



Arctic platform prototype for sale



JUDY PATRICK

Anadarko's Arctic test platform worked well, says Mark Hanley

Anadarko Petroleum's Arctic platform prototype performed "very well," company spokesman Mark Hanley told Petroleum News Aug. 11. "We didn't have any real problems ... it didn't subside, and we left it out over two seasons."

The unit, tested the last two winters on a gas hydrate project on Alaska's North Slope, is up for sale, Hanley said. A larger model will have to be built for conventional North Slope oil and gas wells, incorporating the "lessons learned" from the prototype.

The unit, built for use in remote areas of Alaska's North Slope where water supplies and steep terrain make ice roads and pads impractical and cost-prohibitive, incorporates the concept of an offshore drilling platform.

In an earlier interview Keith Millheim, Anadarko's Houston-based manager of operations technology, said that if you look at old

see PLATFORM page A12



MARK HANLEY

Terasen taking on the big boys

Canada's two lesser-known energy pipelines are making aggressive moves to join the major leagues, occupied by TransCanada and Enbridge.

Already immersed in a large-scale expansion of its Trans Mountain crude oil network from Edmonton to Vancouver and Washington state, Terasen Pipelines is now throwing out a challenge to Enbridge in the pursuit of California and Asian buyers for oil sands production.

Meanwhile, Inter Pipeline Fund is making a big splash only two years after converting the Canadian pipeline business of privately held Koch Industries into a publicly traded trust.

Terasen quietly injected itself into the contest to link the oil sands with British Columbia's deepwater ports at either Prince Rupert or Kitimat by disclosing plans for a possible 550,000 bar-

see TERASEN page A2



RICH BALLANTYNE

BREAKING NEWS

4 Clouds building over energy income trusts: Analyst says trusts shaky; Alberta plans tighter protection for investors

5 Newfield enters Rockies: Independent acquires 110,000 acres in Utah where no major or well-financed independent has worked

9 Discoveries confirming vast ultra-deepwater play: St. Malo well sheds light on deep horizon in ultra-deepwater Gulf

GULF OF MEXICO

Good, but not great

MMS predicts relatively strong Western Gulf lease sale, unlikely to top '03

By RAY TYSON

Petroleum News Houston Correspondent

The upcoming Western Gulf of Mexico Lease Sale 192, given the robust commodity price environment and emerging plays in both deep-water and in shallower waters of the continental shelf, could attract spirited bidding on selected blocks.

But the U.S. Minerals Management Service, which conducts lease sales in the Gulf of Mexico, does not expect the Aug. 18 sale in New Orleans, La., to top last year's nearly \$150 million in high bids.

"Remember the last Western Gulf sale was the best in five years," noted Chris Oynes, Gulf regional director for the MMS. "So I would be thinking this sale would be relatively strong, but it would be very difficult to reach that kind of level again."

see GOOD page A2

Gulf hurricane watch

The U.S. Minerals Management Service said it was closely monitoring hurricane Charley in the Gulf of Mexico.

MMS said it had made no decision to change anything regarding the upcoming Western Gulf of Mexico Sale 192 in New Orleans, La., due to the storm. The sale was still scheduled for Aug. 18, and bids were expected to be filed by the bid receipt deadline on Aug. 17 at 10 a.m., MMS said. MMS said it would follow events as they developed in the Gulf and would make any decisions, if warranted, to delay the sale or change the time of bid receipt at a later point.

CANADA

Irving Oil prepared to lead LNG charge in Canada

Firm receives regulatory green light from Canadian, New Brunswick governments

By GARY PARK

Petroleum News Calgary Correspondent

Irving Oil, part of a giant privately held industrial conglomerate, figures it has stolen a march on its rivals to build Canada's first liquefied natural gas plant.

It received a regulatory green light from the Canadian and New Brunswick governments Aug. 6 to proceed with a C\$750 million facility in the deep-water Irving Canaport in New Brunswick just 65 miles from the U.S. border.

The project has a targeted in-service date of 2007

for three 5.67 million cubic foot LNG tanks, with a throughput capacity of 1 billion cubic feet per day.

The approvals came from New Brunswick's Environment Department, Environment Canada and Fisheries and Oceans Canada under the federal Canadian Environmental Assessment Act.

LNG would arrive at the terminal by tanker, where it would be re-gasified before delivery to the northeastern United States.

Kenneth Irving, who runs the family business, said in a statement that LNG is the next building

see IRVING page A2

NORTH SLOPE, ALASKA

Tundra travel quandary

Alaska seeks to protect both North Slope tundra and winter exploration: field work tests just completed, results will be released in November

By KRISTEN NELSON

Petroleum News Editor-in-Chief

The Alaska Department of Natural Resources is responsible for opening and closing state lands on the North Slope for off-road tundra travel each winter. Since the state began setting a tundra opening date 34 years ago, the window for on-tundra work has shrunk from more than 200 days to around 120.

The department's Division of Land, Mining and Water has just completed field work testing the tundra impact of different vehicles at different times from fall through early winter. Results are expected in



HARRY BADER

November.

The division is also completing a study on how the tundra opening determination has been made over the years, and evaluating the economic impact of the reduction in the number of days the tundra is open.

Results of the field study will provide scientific data.

It will be, says Harry Bader, the division's northern region land manager, the first time the state has ever had a scientific basis for its tundra opening decisions. And it's not an academic exercise. The division has been given a mis-

see QUANDARY page A14

continued from page A1

GOOD

Nonetheless, Gulf lease sales nearly always produce surprises. MMS had a similar prediction going into last year's Central Gulf offering, a sale which exceeded expectations in terms of both participation and high bids.

But Western Gulf Sale 192 will be the 21st sale since the Gulf was opened to areawide leasing in 1983. "The blocks are pretty well picked over," Oynes noted.

Gulf drilling level low

Moreover, despite strong company cash flows driven by high oil and gas prices, companies as a whole are not investing heavily in exploration.

"The drilling level in the Gulf is still very low and it doesn't make any sense," Oynes said. "I don't have a good explanation."

But there could be contributing factors. Companies, particularly independent producers, are using much of their windfall to strengthen balance sheets or to acquire oil and gas properties with proven reserves. Additionally, many companies are still finding it difficult to access wary financial markets.

Still, there are plums to be had in the Western Gulf lease sale, particularly among the 241 so-called "newly available" blocks which have been in company hands and off the market for years. They consist of leases that expired or were relinquished by companies ahead of their expiration dates, as well as leases terminated by MMS.

The newly available leases are among 3,907 blocks covering 21.2-million acres to be offered in the Aug. 18 sale. Slightly less than half of all blocks in the sale are at water

depths ranging from 400 meters to over 1,600 meters. The rest are in shallower waters, mostly on the continental shelf.

More than half of newly available blocks in deepwater

Among the 241 newly available blocks, 135 or about 56 percent are in deepwater, with some on emerging oil plays such as the vast lower tertiary trend believed to extend from Walker Ridge in the Central Gulf to Keathley Canyon in the Western Gulf.

This geologically deep horizon, extending some 30,000 feet below the ocean surface, already has spawned important discoveries, including Cascade and St. Malo in Walker Ridge.

Although blocks in the Walker Ridge portion of the lower tertiary trend will not be offered in the upcoming Western Gulf sale, 24 newly available Keathley Canyon blocks will be included. And a chunk of them are near the closely watched Sardinia exploration well on Block 681. The well is in the process of testing the same deep horizon that produced the St. Malo and Cascade discoveries.

MMS records also show that 27 newly available deepwater blocks will be offered in nearby Alaminos Canyon, which houses another geological trend that has produced the likes of Great White and Trident. Another 45 newly available blocks are in East Breaks and 32 are in Garden Banks, the most heavily explored regions in deepwater Western Gulf.

Some of the 106 newly available blocks in shallow waters of the continental shelf also should draw heavy bidding, given the lure of deep-gas prospects and attractive royalty relief terms on production in the event of a discovery. ●

ATTENTION READERS

Part two of Aug. 8's story, "North Slope likely has 211 tcf undiscovered gas," will appear in the Aug. 22 edition of Petroleum News.

continued from page A1

IRVING

block in a process that started 45 years ago when Irving built a refinery at the Canaport location.

"Our goal is to continue to anticipate and meet the growing energy needs of our customers and to do so early and for the long term," he said, noting that the company is focused on "long-term relationships and value creation" in its U.S. export markets.

Three terminals proposed in Nova Scotia

In neighboring Nova Scotia three other proposed LNG receiving terminals are at various stages of development — a C\$500 million project by privately owned Access Northeast Energy, which is aiming for a 2007 start-up, while Statia Terminals and Keltic Petrochemicals, both of Nova Scotia, have floated separate plans.

Nova Scotia Energy Minister Cecil Clarke said his government should soon complete a regulatory review of those LNG proposals.

He is counting on as much enthusiasm for LNG in Nova Scotia as New Brunswick, believing that competition between the two provinces would be healthy.

For Irving, there was no doubt that being first matters. "We're the first to get the green light ... this is a major milestone,"

said an Irving spokesman.

He said Irving entered the field three years ago because of strong indications that gas supply was lagging behind North American demand.

"We're in a number of discussions with LNG producers — there have been a number of interested parties," he told the Halifax Chronicle Herald, although he declined to identify the likely supply sources.

West Coast, Quebec terminals also proposed

Other LNG proposals are also moving forward across Canada.

WestPac Terminals and Galveston LNG are both eyeing terminals on the British Columbia coast, at the deepwater ports of Prince Rupert and Kitimat, respectively.

WestPac plans a facility to handle 300 million cubic feet per day, while Galveston is working on plans for a C\$300 million terminal to handle 340 million cubic feet per day. Neither would start operations before 2008.

Quebec utility Gaz Metropolitain, Enbridge and Gaz de France are partners in a possible C\$700 million LNG terminal in the Beaumont, Quebec, area that could process 500 million cubic feet per day and start deliveries in 2008.

The plant would be across the St. Lawrence River from New York state and could connect to pipelines in the U.S. Northeast. ●

continued from page A1

TERASEN

rel per day leg, with an in-service date of 2011, as part of a possible 850,000 bpd addition to its system.

If markets in California and possibly Asia open up, Terasen Pipelines President Rich Ballantyne told a conference call in late July, a 570-mile connection is possible from Rearguard, British Columbia, to a northern port, where shippers could take advantage of the lower costs of very large crude carriers.

The current Trans Mountain pipeline to the Vancouver area is scheduled to increase capacity by 30,000 bpd to 225,000 bpd within two months.

So long as firm shipper commitments are received, two more stages of 100,000 bpd are planned — one for 2008 and one for a future date, with each stage costing C\$700 million.

Ballantyne said the key element is Terasen's belief that the markets for Canadian crude on the West Coast are California and Washington.

By moving in stages, Terasen allows production from the oil sands to match the

timing of pipeline capacity and the development of West Coast markets.

If all three projects proceed, Terasen would offer capacity of 850,000 bpd out of Edmonton and should Asian demand become a significant part of oil sands expansion, the northern line could be built.

Enbridge working Gateway project

That would put Terasen head-to-head with Enbridge, which is making headway in talks with potential Asian customers for its C\$2.5 billion Gateway project to Prince Rupert, or Kitimat, with planned initial capacity of 400,000 bpd.

Enbridge President and Chief Executive Officer Pat Daniel said that an April trip by company executives to China "generated some very serious interest" by prospective buyers, who have since sent several delegations to Calgary.

He said the best current guess for an in-state pipeline tariff on Gateway would be \$1.75 per barrel, which would equal or beat a "competing project to Vancouver."

Daniel said the northern port could handle tankers three times the size of those using Vancouver, which would result in unit savings to Asia of \$2 per barrel.

Ballantyne was not prepared to concede any ground to Enbridge, insisting Terasen's expansion phases could be "more competitive than the alternatives that are out there."

Information provided to shippers by Terasen suggests tolls for the second and third phases of its Trans Mountain pipeline would be rolled into the existing system.

Inter Pipeline is staking a large chunk of its future on the oil sands, as well, as it builds on 3,000 miles of pipeline that carries 460,000 bpd of oil sands bitumen, conventional crude and gas plant condensate.

Its pipeline from the Cold Lake heavy oil area of northeastern Alberta moves 245,000 bpd, drawing on EnCana and Imperial Oil projects.

The fund has also just wrapped up a C\$715 million deal to buy interests in three natural gas liquids extraction plants with combined capacity of 137,000 bpd in southern Alberta from Williams Cos., setting it up to become a major player in the NGL extraction business.

Inter Pipeline has assembled a strong web of pipelines from the oil sands region to the Edmonton refinery area and south to the U.S. border.

—GARY PARK

We have what they don't.



Cruz Construction has something no other construction company in Alaska can offer—Dave Cruz.

Founder, hands-on CEO, and 27-year industry veteran, Dave Cruz makes sure every job is completed to his client's specifications, no matter how remote, cold or difficult. His fleet of tundra-approved construction equipment can be transported by aircraft, barge or truck to any location in Alaska.

Call Dave Cruz, and find out what you're missing.

A REPUTATION FROM THE PAST
VISION FOR THE FUTURE



(907) 746-3144

CANADA

Canadian cap-ex to fall 2.2% this year, Lehman Brothers survey predicts

Exploration and production spending will drop 2.2 percent in Canada this year to \$14.02 billion (all figures in U.S. dollars), but the outlook for 2005 is healthy, with half of the firms surveyed planning to hike their budgets by 10 percent or more, a Lehman Brothers survey reports.

The New York-based investment bank said that if the spending target is achieved it will be \$380 million above estimates at the end of 2003, but trail last year's tally because of upward revisions to capital expenditures.

The mid-year survey by Lehman showed cap-ex by the 62 companies that also participated in the December 2003 survey increased by \$383 million. Leading the additions were EnCana, up by \$400 million, Imperial up by \$180 million and Burlington Resources up by \$110 million, but Penn West Petroleum slashed its target by \$194 million.

Current budgets are based on average oil prices of \$28.44 per barrel and \$4.76 per thousand cubic feet of gas at the Henry Hub, compared with \$25.29 and \$4.17 in the year-end 2003 survey.

Of the leading Canadian forecasters, FirstEnergy Capital has boosted its West Texas Intermediate price for 2004 to \$35.50 from \$33 and predicted \$32 for 2005 and \$31 for 2006. Gas prices per million British thermal units are forecast by FirstEnergy to average \$6.10 this year and \$5.50 in 2005 and 2006.

Peters & Co. has also boosted its 2004 goals to \$38 for WTI crude and \$30 for 2005, while its Nymex gas prices are at \$6 per million British thermal units in 2004 and \$5 in 2005. Peters said WTI prices have already topped an average \$37 in 2004, while Nymex gas in running close to \$6.

—GARY PARK

The New York-based investment bank said that if the spending target is achieved it will be \$380 million above estimates at the end of 2003, but trail last year's tally because of upward revisions to capital expenditures.

WASHINGTON, D.C.

EIA sees \$30 floor for oil; natural gas to average \$6.21 in 2004, \$6.60 in 2005

The Department of Energy's Energy Information Administration said Aug. 10 that higher oil output from the Organization of Petroleum Exporting Countries during the second quarter "has so far failed to dampen upward price pressure," with prices for West Texas Intermediate reaching into the \$40s per barrel in early August.

The agency said rising consumption and little global surplus production capacity will continue to make near-term prices "volatile and sensitive to news relating to possible reductions in oil production." There may be some price reduction "if increased production continues to flow and inventories build," but "short of a serious slowdown in demand during the coming months," the floor price for West Texas intermediate will probably remain "above \$30 for the foreseeable future."

Despite increases in production by key OPEC countries, spot prices for West Texas Intermediate were above the \$40-per-barrel mark in early August, and the projected third-quarter price for West Texas Intermediate is now almost \$41 per barrel, about \$4 higher than the agency projected in July. The agency said that current world oil prices "may not entirely reflect pure economic fundamentals of the world oil supply market" because of a world-wide perception of a vulnerable supply situation caused by the Iraqi war and the Russian government's treatment of Yukos. Those factors "may have added a premium to what otherwise might be a lower world crude oil price."

OPEC crude oil production was 29.8 million barrels per day in July, 0.5 million bpd higher than June, and about 0.5 million bpd below total OPEC capacity.

Natural gas prices down on normal storage

U.S. pump prices for gasoline since the third week of June have ranged between the high \$1.80s and low \$1.90s per gallon, and on Aug. 9, the agency said, stood at \$1.88 per gallon, about 18 cents per gallon below the historical week high of \$2.06 for regular, reached in late May. On the natural gas side, prices were down in early August as storage levels remained normal and demand levels manageable. "However, with the economy continuing to expand and supply growth sluggish at best, prices at the Henry Hub (which averaged about \$5.83 per mcf during the first week of August) are expected to rise above \$6 per thousand cubic feet by fall," the agency said.

Coal use for power generation was stronger than estimated during the spring, reducing somewhat the need for natural gas for power, and the 2004 demand growth for natural gas is now estimated to be about 0.4 percent, with 2005 demand increase estimated at 0.7 percent.

"Henry Hub prices averaged \$5.80 per thousand cubic feet in 2003 and are expected to average \$6.21 in 2004 and \$6.60 in 2005," the agency said.

—PETROLEUM NEWS

Issue Index

| | |
|--------------------------------|-----|
| EXPLORATION & PRODUCTION | .9 |
| FINANCE & ECONOMY | .6 |
| INTERNATIONAL | .8 |
| NATURAL GAS | .12 |



North America's source for oil and gas news

| | |
|--|---------------------------------|
| Dan Wilcox | CHIEF EXECUTIVE OFFICER |
| Mary Craig | CHIEF FINANCIAL OFFICER |
| Kay Cashman | PUBLISHER & MANAGING EDITOR |
| Kristen Nelson | EDITOR-IN-CHIEF |
| Gary Park | CALGARY CORRESPONDENT |
| Ray Tyson | HOUSTON CORRESPONDENT |
| Steve Sutherlin | ASSOCIATE EDITOR |
| Wadeen Hepworth | ASSISTANT TO THE PUBLISHER |
| F. Jay Schempf | CONTRIBUTING WRITER (HOUSTON) |
| Alan Bailey | CONTRIBUTING WRITER |
| Allen Baker | CONTRIBUTING WRITER |
| Don Whiteley | CONTRIBUTING WRITER (VANCOUVER) |
| Paula Easley | COLUMNIST |
| Patricia Liles (formerly Jones) | CONTRIBUTING WRITER (FAIRBANKS) |
| Laura Erickson | SPECIAL PROJECTS COORDINATOR |
| Judy Patrick Photography | CONTRACT PHOTOGRAPHER |
| Firestar Media Services | DIRECTORY PROFILES |
| Mapmakers Alaska | CARTOGRAPHY |
| Susan Crane | ADVERTISING DIRECTOR |
| Forrest Crane | CONTRACT PHOTOGRAPHER |
| Steven Merritt | PRODUCTION DIRECTOR |
| Tom Kearney | ADVERTISING DESIGN MANAGER |
| Heather Yates | CIRCULATION MANAGER |
| Tim Kikta | CIRCULATION REPRESENTATIVE |
| Dee Cashman | CIRCULATION REPRESENTATIVE |

| |
|--|
| ADDRESS |
| P.O. Box 231651 Anchorage, AK 99523-1651 |
| EDITORIAL |
| Anchorage 907.522.9469 |
| EDITORIAL EMAIL |
| publisher@petroleumnews.com |
| BOOKKEEPING & CIRCULATION |
| 907.522.9469 Circulation Email circulation@petroleumnews.com |
| ADVERTISING |
| 907.770.5592 Advertising Email scrane@petroleumnews.com |
| CLASSIFIEDS |
| 907.644.4444 |
| FAX FOR ALL DEPARTMENTS |
| 907.522.9583 |
| <small>Petroleum News and its supplement, Petroleum Directory, are owned by Petroleum Newspapers of Alaska LLC. The newspaper is published weekly. Several of the individuals listed above work for independent companies that contract services to Petroleum Newspapers of Alaska LLC or are freelance writers.</small> |

We go to the top of the world for our customers.

Marine Transportation Across the Arctic and Alaska

Now we go around the world with

LOGISTICS MANAGEMENT
AIR, LAND AND SEA



42003 Mackenzie Highway, Hay River, NWT X0E 0R9
Ph: (867) 874-5100 Fax: (867) 874-5102
Visit our website at www.ntcl.com or
e-mail us: ntcl@ntcl.com

Petroleum News (ISSN 1544-3612) Week of August 15, 2004
Vol. 9, No. 33

Published weekly. Address: 5441 Old Seward, #3, Anchorage, AK 99518

(Please mail ALL correspondence to:
P.O. Box 231651, Anchorage, AK 99523-1651)

Subscription prices in U.S. — \$78.00 for 1 year, \$144.00 for 2 years, \$209.00 for 3 years.

Canada / Mexico — \$165.95 for 1 year, \$323.95 for 2 years, \$465.95 for 3 years.

Overseas (sent air mail) — \$200.00 for 1 year, \$380.00 for 2 years, \$545.95 for 3 years.

"Periodicals postage paid at Anchorage, AK 99502-9986."

POSTMASTER: Send address changes to Petroleum News, P.O. Box 231651 • Anchorage, AK 99523-1651.

OIL COMPANY EARNINGS

Earnings from Top 35 North American E&P Capex Spenders

Earnings second quarter 2004 • Change from second quarter 2003

Liquids production second quarter 2004 • Change from second quarter 2003

Natural gas production second quarter 2004 • Change from second quarter 2003

| Company | symbol | earnings | % | liquids | % | gas | % |
|----------------|---|------------------------------------|------|-----------|-----|-------|-----|
| BP | BP | \$3,908 | +23 | 2,518,000 | +32 | 8,425 | 0 |
| RD/Shell | RD | \$4,002 | +54 | 2,238,000 | -5 | 7,773 | -5 |
| EnCana | ECA | \$250 | -69 | 269,718 | +31 | 3,037 | +23 |
| ExxonMobil | XOM | \$5790 | +39 | 2,581,000 | +4 | 9,001 | -3 |
| Can. Natural | CNQ.TO | \$259 | -51 | 275,398 | +15 | 1,452 | +10 |
| ConocoPhillips | COP | \$3,075 | +75 | 1,012,000 | -4 | 3,303 | -5 |
| El Paso | EP | Reports delayed for restatement | | | | | |
| ChevronTexaco | CVX | \$4,125 | +158 | 1,749,999 | -4 | 4,099 | -7 |
| Anadarko | APC | \$405 | +35 | 214,000 | -10 | 1,786 | +3 |
| Devon | DVN | \$502 | +41 | 275,400 | +25 | 2,455 | +4 |
| Dominion | D | \$251 | +5 | 27,274 | +8 | 1,034 | -6 |
| Burlington | BR | \$379 | +36 | 143,200 | +38 | 1,899 | +1 |
| Occidental | OXY | \$581 | +55 | 440,000 | +6 | 642 | +4 |
| Husky | HSE.TO | C\$239 | -46 | 212,200 | +2 | 685 | +13 |
| Newfield | NFX | \$67 | +47 | 15,629 | -10 | 521 | +1 |
| Petro-Canada | PCZ | C\$393 | -33 | 310,600 | -5 | 868 | +2 |
| Unocal | UCL | \$341 | +93 | 151,000 | -7 | 1,516 | -16 |
| Kerr-McGee | KMG | \$110 | +59 | 140,500 | -9 | 740 | +6 |
| EOG | EOG | \$145 | +33 | 32,300 | +28 | 978 | +4 |
| Nexen | NXY.TO | C\$143 | -46 | 193,200 | -15 | 240 | -16 |
| Imperial | IMO | C\$454 | -12 | 251,000 | -4 | 535 | +9 |
| Talisman | TLM | C\$197 | -2 | 229,579 | +22 | 1,244 | +17 |
| Pioneer | PXD | \$70 | -10 | 67,099 | +23 | 722 | +15 |
| Apache | APA | \$373 | +53 | 224,602 | +6 | 1,251 | 0 |
| Marathon | MRO | \$352 | +42 | 178,000 | -12 | 965 | -17 |
| Suncor | SU.TO | C\$203 | +75 | 225,900 | +20 | 209 | +19 |
| Merit | Private company does not report results | | | | | | |
| Williams | WMB | -\$18 | (-) | | | 555* | +11 |
| Chesapeake | CHK | \$86 | +12 | 18,589 | +37 | 850 | +27 |
| Pogo | PPP | \$65 | -18 | 58,423 | -15 | 338 | +12 |
| Penn West | PWT.TO | C\$66 | -66 | 34,624 | -2 | 330 | -4 |
| XTO | XTO | \$99 | +73 | 25,145 | +31 | 803 | +27 |
| Spinnaker | SKE | \$18 | +76 | 6,400 | +68 | 111 | -1 |
| Forest | FST | \$28 | +20 | 28,100 | +13 | 277 | +11 |
| BHP Billiton | BHP | Does not provide quarterly figures | | | | | |

Liquids production in barrels per day.
Natural gas production in millions of cubic feet per day, except as noted.
*millions of cubic feet equivalent per day

NOTE: Top 35 is based on Petroleum News research

• CANADA

Clouds building over energy income trusts

Analyst: Trusts too shaky for those seeking stable income over long period; Alberta government plans tighter protection for investors

By GARY PARK

Petroleum News Calgary Correspondent

Energy income trusts may be entering an uncertain period in Canada, accompanied by warnings from an analyst with Edward Jones, a leading investment and financial services firm.

The concerns are reflected in the unwillingness by directors of Penn West Petroleum to bend to shareholder pressure at the company's annual meeting on Aug. 20 and convert their conventional E&P company, the fifth largest independent producer in Canada, into a possible C\$4 billion trust.

Over the past decade there has been an explosion of oil and gas trusts from five in 1995 with a market value of about C\$600 million to 28 today with a market cap of about C\$30 billion.

Although there is no clear evidence yet that the trust sector is stretched to the limit, Kate Warne, a Canadian market strategist with Edward Jones, said her firm has no trusts on its list of recommended shares to buy.

She told the Edmonton Journal that trusts — despite some suggestions that they are as reliable as bonds — are too risky for investors who need stable income streams for long periods, because cash payouts to unit holders are bound to suffer when oil and natural gas prices drop.

Edward Jones is more enthusiastic about the integrated oil companies that produce, refine and sell, providing them with some cushioning when oil prices drop.

Money still flowing into trusts

Regardless of these warning flags, money is still flowing into the trusts, prompting four more companies — Progress, NAV Energy, Zargon and Espirit — to join the ranks this year.

Whether Penn West joins that movement and creates what could be the biggest trust of any kind in Canada has

become the year's hottest topic of speculation.

Company President Bill Andrew kept his thinking under tight wraps Aug. 6 when Penn West released its second-quarter results, which showed a sharp drop in earnings to C\$65.5 million from C\$192.5 million a year earlier, when a favorable tax ruling and foreign exchange gains gave a sharp lift to results.

Andrew would only say that until a recommendation is made to shareholders Aug. 20 "it is my intention not to discuss any details regarding the strategic review process."

Many trusts reducing cash dividends

In the meantime, many trusts have quietly shifted their strategy, lowering their cash dividends to 70 percent of cash flow from the traditional 90 percent or more, reducing the need to borrow and creating a reserve to maintain distributions if cash flow tapers off.

As well, more trusts are breaking with the past and starting to drill for new reserves rather than just buying at premium prices and exploiting the assets.

By offering a growth component through exploration, the trusts are also seen as improving their market appeal.

Meanwhile, the Alberta government is taking steps to ensure that trust investors are better protected.

Revenue Minister Greg Melchin told the Edmonton Journal the province feels it has a duty to remove the risk of trust unit holders being held legally liable for any wrongdoing by trusts.

Although there has yet to be a court case, Melchin said Alberta wants to "remove the uncertainties," at a time when about half of the 150 trusts listed on the Toronto Stock Exchange are based in Alberta.

He said all the questions related to corporate and securities acts must be reflected in income trusts, covering such matters as registration, insider trading, roles of trustees, directors and officers, appointment of auditors and voting rights.

Alberta has already introduced the Income Trusts Liability Act, which limits the liability of investors to the amount of their investment.

Melchin expects the next phase will fine tune that legislation, depending on the responses from stakeholders by a Sept. 30 deadline. ●



Although there is no clear evidence yet that the trust sector is stretched to the limit, Kate Warne, a Canadian market strategist with Edward Jones, said her firm has no trusts on its list of recommended shares to buy.



Alaska's Underwater Professionals
907-563-9060
Anchorage, AK



OPT-IN TODAY!
GET FREE VOICEMAIL
WITH YOUR CALLING PLAN.

ASTAC
CELLULAR

Anchorage: 563-1931 • Deadhorse: 659-2448 • Barrow: 852-2402

CELLULARONE

*Available only in the Prudhoe Bay coverage area.

PANALPINA
on 6 continents
Integrated Solutions For Supply Chain Management

Domestic and International
Freight Forwarding

Air • Ocean • Ground

Prudhoe Bay • Sakhalin Island • Alberta • Gulf • Texas
West Africa • North Sea • Middle East • Caspian Sea

4305 W International Airport Rd
Anchorage, AK 99502

Anchorage: 907.245.8008 Calgary: 403.291.1137
Houston: 281.446.0600



www.panalpina.com

• HOUSTON, TEXAS

Newfield enters Rockies with \$575M Inland acquisition

Independent acquires 110,000 acres at Monument Butte field in Utah, where no major or well-financed independent has worked and where Newfield plans to invest \$80M per year

By RAY TYSON

Petroleum News Houston Correspondent

Houston-based Newfield Exploration, rounding out its years-long effort to become a more diversified exploration and production company, is entering the Rocky Mountains with a bang.

Newfield is stepping into the region with a negotiated deal to acquire private Inland Resources and its vast 110,000-acre position in the coveted Monument Butte field of Northeast Utah for \$575 million. The transaction is expected to close Sept. 1.

The Inland transaction comes just weeks after acquisition-minded Newfield scooped up Denbury Resources' offshore Gulf of Mexico assets for \$186 million.

"It's a low risk, repeatable exploitation play that offers us the chance to develop thousands of drilling locations over the next decade," David Trice, Newfield's chief executive officer, said of onshore Monument Butte in an Aug. 6 conference call with industry analysts.

Newfield would operate the Monument Butte field with an average 78 percent working interest.

A huge, relatively untapped resource situated in the middle of the prolific Uinta basin, Monument Butte is surrounded by large producing fields and is said to hold estimated overall reserves exceeding 2 billion barrels of oil equivalent.

Only 1.5 percent recovered

The field has never been touched by a major oil company or a large, well-financed independent. To date, only 30 million barrels, or 1.5 percent of in-place oil reserves, have been recovered since Monument Butte was discovered in 1964.

In addition to providing Newfield with a more diversified geographic base of operations, Monument Butte also would put more oil in Newfield's gas-heavy portfolio. When the deal closes, Newfield said it would be 70 percent weighted to gas.

In its effort to diversify, Newfield over the past five years has expanded from its roots on the Gulf of Mexico's continental shelf in the 1980s to South Texas, Louisiana, deepwater Gulf of Mexico, the Midcontinent, East and West Texas, and now the Rockies. The company also has moved into Malaysia, China's Bohai Bay and the North Sea.

Company believes higher oil prices here to stay

Oil prices also have rocketed nearly 40 percent over the past year, another Newfield motive to buy Inland Resources. With continuing unrest in the Middle East, Nigeria and Venezuela, coupled with growing economies in China, India and the United States, Newfield believes higher oil prices are here to stay. The company already has added "some very attractive oil

hedges" for 2005 through 2007 based on the bright outlook for prices.

"The market is clearly indicating things have changed," Trice said. "Instability, unrest and higher demand dictate strong prices. There just isn't a great deal of excess capacity in today's oil markets."

In exchange for the negotiated \$575-million price for Inland Resources, Newfield would receive proved reserves amounting to about 326 billion cubic feet of gas and probable reserves of about 439 billion cubic feet of gas equivalent. The reserves are 85 percent oil and 70 percent proved undeveloped, the company said.

However, the field contains far more potential than is being reported to satisfy strict U.S. Security and Exchange rules governing reserve estimates, including the potential for lucrative deep natural gas discoveries, Newfield said. Also, Monument Butte is said to be 20 to 30 years behind industry in terms of secondary oil recovery, including water flooding.

"In addition to a greater sweep of oil in the identified sections, there's also the potential to explore for deeper gas intervals," said Dick Schaible, Newfield's vice president in charge of acquisitions. This would all be upside above and beyond reserve potential quantified.

Under terms of the deal, Newfield said it would own 40 percent of any natural gas discovered in the lower horizons.

Newfield will invest \$80 million a year

Newfield said it intends to invest \$80 million a year in Monument Butte to drill upward of 3,000 wells, or about 150 wells a year, during the next 10 years, adding that it also plans to double current daily oil production of 7,000 barrels to 14,000 barrels by the end of 2006. Three rigs are currently drilling in the field, a level of drilling activity Newfield plans to maintain for

now.

"We are in a very good neighborhood surrounded by giant fields with access to market," Schaible said, adding that there are four refineries in the region capable of handling Newfield's increasing production at Monument Butte.

Monument Butte wells, given their relatively low daily rates, aren't big producers but remain steady once they reach their plateau. While the average well comes on line at about 65 barrels per day and declines to about 20 barrels before stabilizing, it produces about 75,000 barrels during its lifetime. Moreover, it only takes seven days to drill a well to the shallow producing zone at around 5,500 feet. And drilling expenses average only \$500,000 per well.

"This is not an asset we can grow quickly, but we can grow it for a long time," Schaible said.

"I am confident you will see comparable growth from our Rocky Mountains region as we develop this play in the future," Trice added.

Big Gulf gas wells decline quickly

The long-lived oil reserves of Monument Butte are in stark contrast to gas reserves Newfield holds on Gulf of Mexico's continental shelf, where wells come on line producing at high rates but decline quickly.

"From the high-rate return, shorter-lived fields in the Gulf of Mexico to the long-lived oil and gas plays of the Rockies and the Midcontinent, we have achieved balance," Trice said.

The Inland transaction would lengthen Newfield's reserve life by nearly 20 percent to about seven years, the company said.

The acquisition of steady, low-risk production from the Rockies also would help offset the cost of more risky exploration

see NEWFIELD page A12



David Trice, president, Newfield Exploration

ULTRA-FLOW 360

FIELD-INSTALLED
**SUCKER ROD GUIDES/
PARAFFIN SCRAPERS**

*Full-circle Wiping
of Tubing I.D.*

- More Gripping Force on Rods
- More Fluid Flow-by Volume
- Longer Useful Life from Longer Vanes & Bearing Surfaces
- Positive Wear Indicators
- Amodel or Nylon with Glass Fill

CALL 1-800-LES WEAR
(1-800-537-9327) OR YOUR
Oilfield Supply Store

www.rodguides.com

Oilfield Improvements, Inc.

1902 N. Yellowwood Ave.
Broken Arrow, Oklahoma 74012 U.S.A.
PHO 918-250-5584 • FAX 918-250-4666

**WHEELED ROD GUIDE/
COUPLINGS**

- Sucker Rod Guide/Couplings for Severely-deviated and Directional Wells
- Used Successfully for Over 15 Years by Over 90% of Major Oil & Gas Companies in Over 40 Countries ...Onshore and Offshore
- Wheels are Field-replaceable

Call
1-800-537-9327
or Your Oilfield Supply Store

www.rodguides.com

Oilfield Improvements, Inc.

1902 N. Yellowwood Ave.
Broken Arrow, Oklahoma 74012 U.S.A.
PHO 918-250-5584 • FAX 918-250-4666

OUR BUSINESS IS GETTING YOUR BUSINESS ON THE ROAD!

Delivering fresh ideas in shipping.

When it comes to delivering freshness, nobody matches the speed, volume and care that come with Carlile.

From freeze/chilled products to restaurant ingredients, Carlile's secure and refrigerated containers help shorten the distance between Lower 48 producers and Alaska's consumers.

Carlile

TRANSPORTATION SYSTEMS

www.carlile.biz
1.800.323.2296

ALASKA • EDMONTON • TEXAS • WASHINGTON

CANADA

Engineering firm counting on oil sands

SNC-Lavalin Group, a major Canadian engineering and construction firm, is counting on a wave of oil sands projects moving ahead, so long as oil prices settle above US\$20 per barrel. CEO Jacques Lamarre told analysts Aug. 5 that although crude won't "stay above US\$40 a barrel forever," his firm is confident that strong oil and natural gas prices will keep it on a steady growth path for many years, with the oil sands making a key contribution. He said the company expects to sign a contract for a major oil sands project in the next six weeks.

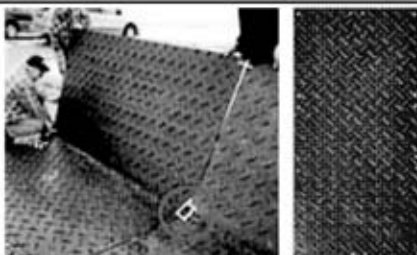
—GARY PARK

AlturnaMATS®

AlturnaMATS are easy to use, they lock into place to form a continuous, solid work roadway or platform, and they last for years. With a low cost and a capacity of up to 60 tons, they may be right for you.



AlturnaMATS provide a long life, low cost alternative to plywood and expensive road systems, and is available in a variety of sizes, from outrigger pads to full sheets. Now distributed in Alaska by TOTEM Equipment & Supply, Call for a custom application consultation and quote today.



AlturnaMATS virtually eliminate damage to lawns and landscaped areas and provide traction for vehicles operating in mud or sand. Made from recycled materials, and designed to protect the environment, these are fast becoming the preferred mats among professionals across the globe.



Totem Equipment & Supply
 2536 Commercial Drive Anchorage, Alaska 99501
 (907) 276 2858 Ph. (907) 258-4623 Fax sales@toteminc.com
 Totem Equipment is an Alaskan owned and operated company, serving you since 1961

• ALBERTA

Suncor Energy takes Alberta to court

Files C\$250 million claim for 'extensive financial losses' stemming from dispute over classification of oil sands project

By GARY PARK

Petroleum News Calgary Correspondent

Suncor Energy has ratcheted up a royalty feud with the Alberta government by suing the province for C\$250 million in damages.

The oil sands powerhouse filed a statement of claim July 29 against the government and Energy Minister Murray Smith, alleging it has suffered "extensive financial losses" stemming from misrepresentations and breaches of fiduciary duties by the government.

At the core of the dispute is Alberta's classification of Suncor's C\$500 million Firebag addition to its northern Alberta operation as a new project rather than just an expansion of the existing complex.

That means Suncor must pay a 25 percent royalty, after operating and maintenance costs, on Firebag production rather than 1 percent until capital costs have been recovered.

The ruling would cost the company C\$200 million in royalties this year if West Texas Intermediate prices averaged US\$34 per barrel this year, compared with C\$33 million last year.

Firebag came on stream in January, is currently producing 11,000 barrels per day and is scheduled to reach 35,000 bpd in 2005 and 140,000 bpd in the 2010-2012 period.

Government's call based on different technology

Alberta Premier Ralph Klein said in April the difference between a new project and one deemed to be an expansion would be about C\$875 million "to the government's bottom line."

He told the legislature that Smith's department was concerned that any change in royalty policy "would have a serious affect on how we treat other oil sands projects."

Although the suit had to be filed by July 31 to preserve Suncor's right to a legal review, the company said it continues to seek a negotiated settlement. The government won't comment on a case that is before the courts.

Smith argued that because Firebag is employing steam-assisted gravity drainage technology to extract raw bitumen it is different from Suncor's long-time open-pit mining operations.

Suncor says it had assurances

A spokesman for Suncor countered that Firebag is connected physically to the existing project for the purpose of providing bitumen for upgrading.

He said Suncor is quite prepared to pay its fair share of royalties, but its concern is that "timing of the royalties and how that affects our growth plans."

That echoed the comments in May of Chief Executive Officer Rick George, who said Suncor might be forced to reassess its choices on the location of heavy-oil upgrading plants if the government insisted on "changing the rules midstream." Suncor has insisted it has assurances dating from 1998 on how Firebag would be treated.

He said Suncor is not threatening to back away from its next expansion phase, which has a price tag of C\$3 billion, but it has "lots of options on how we design future growth." That could include shipping more raw bitumen to the company's Ontario refinery or the 62,000 bpd Denver refinery purchased from ConocoPhillips last year.

Although the suit had to be filed by July 31 to preserve Suncor's right to a legal review, the company said it continues to seek a negotiated settlement. The government won't comment on a case that is before the courts. •

STATE OF ALASKA ANNOUNCES OIL AND GAS LEASE SALES

NORTH SLOPE AREAWIDE 2004 BEAUFORT SEA AREAWIDE 2004

The Alaska Division of Oil and Gas (DO&G), will offer lands for competitive leasing in North Slope Areawide 2004 and Beaufort Sea Areawide 2004 Oil and Gas Lease Sales on October 27, 2004. Sealed bids must be received by DO&G by 4:00 p.m. local time on October 25.

North Slope Areawide 2004

Bidding Method: Cash bonus – minimum bid on all tracts — \$10/acre.
 Fixed Royalty Rate: Leases have a rate of 12.5% or 16-2/3%, depending on location.
 Term: All leases — 7 years.

Beaufort Sea Areawide 2004

Bidding Method: Cash bonus – minimum bid on all tracts — \$10/acre.
 Fixed Royalty Rate: Leases have a rate of 12.5% and 16-2/3%, depending on location.
 Term: 10 years and 7 years, depending on location.
 Tract additions: Tracts 1 – 26, offshore ANWR, which have been deferred from previous areawide sales, will be included in this sale.

Annual Lease Rental

\$1.00/acre for the first year, \$1.50/acre for the second year, \$2.00/acre for the third year, \$2.50/acre for the fourth year, and \$3.00/acre for the fifth and following years.

Bidder's Information

Visit division's website, www.dog.dnr.state.ak.us/oil for sale announcements, instructions to bidders, bid forms, and regional tract maps. If unable to access this information, contact Letha Groom, (907) 269-8814, email at lvj@dnr.state.ak.us.

NORTH SLOPE TELECOM, INC.

Over 20 Years of Arctic experience

Engineering & Design

- ▶ Engineering, Design & Installation
- ▶ EME Surveys
- ▶ FCC Licensing

Installations

- ▶ Telephone Systems
- ▶ Fiber Optics & Structured Cabling
- ▶ CATV
- ▶ Surveillance Systems
- ▶ Communications Facilities & Power
- ▶ Remote Communications

Wireless

- ▶ Microwave Systems
- ▶ Satellite Systems
- ▶ Two-way Radio Systems
- ▶ Paging Systems
- ▶ Radar Systems
- ▶ Cellular Systems
- ▶ SCADA
- ▶ Tower Construction
- ▶ Tower Inspection
- ▶ Aviation Landing Systems
- ▶ Buoy Tracking Systems
- ▶ Differential GPS

Tel: (907) 562-4693

www.nstia.com

Communications At Work in Alaska

INTERNATIONAL

IEA says high oil prices likely to persist

THE ASSOCIATED PRESS

The world oil market is tight and uncertain, the International Energy Agency said Aug. 11, but it questioned whether soaring prices were justified while supply still exceeds demand.

"Limited spare production capacity combined with security warnings and headline news about Russia, Iraq, Venezuela, China and monthly employment, industry activity and confidence statistics are propelling the market," the Paris-based agency said in its monthly report.

"The market is tight, production and infrastructure capacity is less than desired and uncertainties continue to weigh on the market," it added. "But, does this justify US\$45 oil? Current oil prices are a concern and are causing economic damage."

Oil prices remained near record highs Aug. 11. Crude oil for September delivery was at US\$44.55 a barrel in after-hours trade Aug. 11 on the New York Mercantile

Exchange, easing from the Aug. 10 record of US\$45.04 a barrel.

Paris-based IEA, the energy watchdog for wealthy oil-importing countries, said the market is tight, "but the market has been living with greater uncertainties for quite some time now. It has a buffer to cope with potential supply disruptions."

"Yukos is exporting more than it did this time last year and earlier this year. Supply is running ahead of demand. Saudi Arabia has the ability to raise production in the short term," its report said.

However, the agency said the trend in the futures markets suggested it was unlikely that prices would decline significantly in the near term: "Relatively high prices throughout the futures strip suggest that current sentiment leans toward expectations for high prices to continue through the winter and into next year." ●

CARACAS, VENEZUELA

Venezuela: OPEC nearing maximum capacity

Venezuela's oil minister said Aug. 6 that the Organization of Petroleum Exporting Countries is reaching maximum capacity after increasing production quotas earlier this year.

"The capacity of OPEC is reaching the maximum," Rafael Ramirez told reporters at the Miraflores presidential palace.

Asked if OPEC would consider increasing production at its next meeting on Sept. 15, Ramirez said: "We don't see that there are many possibilities. We are going to see how we enter the winter period."

OPEC decided to raise its production ceiling by 2 million barrels a day on July 1 and followed with a 500,000-barrel increase in an effort to keep prices from rising. Its production ceiling is now 26 million barrels.

Venezuela is a founding member of OPEC and the world's No. 5 oil exporter.

Ramirez said high oil prices stemmed in part from "an aggressive foreign policy by the United States in the Middle East."

Crude prices for September delivery on the New York Mercantile Exchange ended Aug. 6 at US\$43.95 a barrel amid concerns about production by the Russian oil company Yukos, which is embroiled in legal problems, and worries that OPEC has no spare capacity.

OPEC decided to raise its production ceiling by 2 million barrels a day on July 1 and followed with a 500,000-barrel increase in an effort to keep prices from rising. Its production ceiling is now 26 million barrels.

—THE ASSOCIATED PRESS

NEWS IN BRIEF

Magnum closes deal

Exploration and production independent Magnum Hunter Resources said Aug. 3 that it has completed its previously announced \$239 million acquisition of oil and gas properties in New Mexico from Tom Brown, a subsidiary of big Canadian independent EnCana.

The acquisition was financed with a combination of stock issued by Magnum Hunter in late June and proceeds from borrowings under the company's recently increased \$480 million senior bank credit facility.

DeGolyer and MacNaughton, an independent reservoir engineering firm, estimated that the Tom Brown properties hold about 115 billion cubic feet of gas equivalent of proved reserves, up from 99 billion cubic feet estimated by the firm in June. DeGolyer and MacNaughton has assigned another 5 bcfe of probable reserves to the properties. In addition to the 465 producing oil and gas wells, Magnum Hunter also acquired roughly 44,000 net acres of undeveloped leasehold mineral interests.

David Johnston joins Armstrong Alaska team

David Johnston has joined Armstrong Alaska's team as manager of engineering. Johnston, former senior vice president of ASRC Energy Services, said he will primarily work for Armstrong Alaska, but he will also do some work outside the state for Denver-based Armstrong Oil and Gas.

Johnston will report to Stu Gustafson, vice president operations for Armstrong Oil. "David ... will be a real asset to Armstrong. He will be working with me to develop and implement the exploration and initial production programs at Two Bits on Alaska's North Slope," Gustafson said Aug. 9.

Gustafson said Johnston's "extensive production and operations experience will be a great asset" in working with Armstrong's North Slope partners, Kerr-McGee and Pioneer Natural Resources, "towards potential production plans."

—RAY TYSON AND KAY CASHMAN

Flying to New Frontiers

As Alaska expands into new frontiers and develops greater opportunities, we'll continue to be the company that gets you wherever you need to go safely. We have a record for safety, a reputation for service, and a name you can depend on.



Scheduled Airline Services • Helicopter/Airplane Contract & Charters

• FAR EAST

Shell subsidiary hits oil in Siberia's Salym field, ConocoPhillips, Talisman sign \$4 billion gas deal

A joint venture of a Shell subsidiary and a unit controlled by London-based Sibir Energy hit oil at an exploration well in Siberia's Upper Salym field.

Salym Petroleum Development N.V., a 50-50 venture, said Aug. 10 that the well hit 16 meters of oil-bearing sand. It was drilled to a depth of 2,316 meters into the Bonus structure. Testing of the well is expected later this year, and executives say it should boost reserve numbers.

The Salym field is in the Ob region in western Siberia. The joint venture is already pumping oil from Upper Salym. West Salym, considered the largest deposit, is expected to start producing by the end of next year and reach 120,000 barrels a day by 2009. A third field, called Vadelyp, is on tap to begin pumping in 2006. Total field development budget is more than \$1 billion.

ConocoPhillips project gets \$4 billion gas deal

THE INDONESIAN state gas transportation company has signed a 17-year deal to buy natural gas worth more than \$4 billion from a joint venture that involves ConocoPhillips and Talisman Energy of Canada.

The deal calls for the sale of 2.3 trillion cubic feet of gas from the Corridor Block PSC in south Sumatra at \$1.91 per thousand cubic feet. Deliveries would start in 2007 at a rate of 170 million cubic feet daily and plateau at 400 million cubic feet a day in 2012.

A pipeline will be built by Perusahaan Gas Negara, the Indonesian company, from existing gas processing facilities at Grissik in south Sumatra to Cilegon in West Java, and another from Grissik to Muara Tawar east of Jakarta.

ConocoPhillips holds 54 percent of the

FAREAST report

Corridor Block PSC, while Talisman has 36 percent and Pertamina, the Indonesian state oil and gas company, has the remaining 10 percent.

Australian LNG pact with CNOOC expected

CHEVRONTEXACO SAYS it's on track to complete a 25-year \$22.5 billion deal to ship LNG from its Gorgon gas project to China, according to Dow Jones. Gorgon is a huge deposit off the coast of western Australia.

ChevronTexaco is operator and controls four-sevenths of the field, while Shell has two-sevenths and ExxonMobil one-seventh. The venture has conditional approval for an LNG facility on remote Barrow Island.

Gorgon, discovered about 30 years ago, is about 80 miles off the coast and has proven reserves of 12.9 trillion cubic feet of natural gas.

When the agreement is completed, the China National Offshore Oil Corp. is expected to contract for up to 100 million metric tons of LNG, with the Chinese company expected to purchase an eighth of the project.

Executives of ChevronTexaco say the deal should be completed by the end of the year.

Total, Mitsui join Bali exploration venture

TOTAL OF FRANCE AND MITSUI OIL EXPLORATION of Japan have farmed into a deepwater exploration block north of Bali, in Indonesia, according to Santos Ltd., which is currently the operator of the project.

Total will take over as operator from Santos after the first three-year exploration period and will take a 39.9 percent interest, with the right to obtain a further 10.1 per-

cent. Mitsui Oil will take 20 percent, and Santos will have 40.1 percent, declining to 30 percent if Total takes on the remaining share.

Santos has done 2D seismic in the block about 130 miles west of Surabaya and six miles north of Bali Island. Water depths range from about 300 feet to 3,000 feet. An exploration well is expected to be drilled by October.

Santos recently signed a deal with ConocoPhillips to explore a gas prospect in the Timor Sea, and another with Devon for an eight-well program in the Gulf of Suez off Egypt. Santos, based in Adelaide, is listed on the Australian Stock Exchange and the NASDAQ.

Kazakhstan expects to reach top five by 2015

KAZAKHSTAN EXPECTS TO PUSH its oil output to more than 3.3 million barrels daily by 2015, making it one of the world's top five producing countries, according to the state oil company KazMunaiGas. That would triple current production.

Most of the growth is expected to come from giant developments being husbanded by Western oil companies, according to Uzakbay Karabalin, the state oil firm's president. ChevronTexaco is the lead company for the TengisChevroil project, BG Group and Eni are working on the Karachaganak field, and Eni head the Kashagan project in the North Caspian Sea.

Parker Drilling completes Turkmenistan well

PARKER DRILLING AND CHALYK ENERGY have completed a second exploratory well in western Turkmenistan at the Korpjeje field.

The well reached 3,930 meters and two more wells of about the same depth are in process using Parker Drilling land rigs.

see FAR EAST page A10

PRUDHOE BAY SHOP & STORAGE

SPACE DESIGNED FOR OILFIELD SERVICES

Conveniently Located 1/2-mile North of Deadhorse Airport

800 sf and 1,200 sf individual or combined units

Rent includes heat, snow removal, maintenance, repairs

LIMITED SPACE NOW AVAILABLE

Satisfaction and Service has been our goal for 20 years

Tel 706-672-0999

Fax 706-672-1188



Captains of Industry

From nuts and bolts to generators and heavy machinery, we move the parts and supplies that keep your industry moving. And with nearly 50 years of experience, we do it better than anyone in Alaska.



Teamwork that Delivers.

800-727-2141 • 907-243-3331

www.nac.aero

Kenworth Alaska

SERVING ALASKA FOR OVER 25 YEARS
YOUR OILFIELD VEHICLE SUPPORT

For higher profits you need productivity. That's where Kenworth performs the best. The trucks work hard and owners appreciate the durable, comfortable cabs. It's said that when you "think success" you succeed.

We say "think Kenworth."

Anchorage

2838 Porcupine Drive
Anchorage, AK 99501

AK Toll-Free: 800-478-0602
Phone: 907-279-0602
Fax: 907-258-6639

Hours:

Mon. - Fri.: 7:00 a.m. - Midnight
Saturday: 8:00 a.m. - 4:30 p.m.



Fairbanks

3730 Braddock Street
Fairbanks, AK 99701

Phone: 907-455-9900
Fax: 907-479-8295

Hours:

Mon. - Fri.: 7:00 a.m. - 6:00 p.m.
Saturday: 9:00 a.m. - 1:00 p.m.

Email: Parts • parts@kenworthalaska.com
Email: New/Used Truck Sales • sales@kenworthalaska.com

NORTH SEA

ConocoPhillips gets approval for Saturn development, says U.K. OCS offers competitive opportunities

ConocoPhillips said July 29 that it has received approval from the U.K. Department of Trade and Industry for development of the Saturn Unit Area in the United Kingdom Southern North Sea.

First gas production from the Saturn Unit Area is expected in the fourth quarter of 2005 with an initial gross rate of approximately 75 million cubic feet per day, the company said, with a maximum rate of some 170 million cubic feet per day expected within a year of startup.

"This project is another step toward our strategy of prolonged and efficient production from the North Sea," Henry McGee, president of ConocoPhillips Europe & Africa, said in a statement. "It is a great example of where we can benefit from strong relationships with our partners, use our technical expertise and extensive experience in the North Sea, and link with our existing infrastructure. It clearly demonstrates that there are competitive opportunities in the U.K. continental shelf."

The Saturn Unit Area lies 23 miles north of the Lincolnshire Offshore Gas Gathering System on the U.K. continental shelf. Initial development will consist of three wells from a normally unattended six-slot wellhead platform at the suspended appraisal well in 82 feet of water. A 27-mile, 14-inch gas export pipeline will tie the platform back to new reception facilities to be added to the Lincolnshire gathering system.

ConocoPhillips (U.K.) Ltd. is the operator of the Saturn Unit Area with a participating interest of 42.9 percent.

CANADA

Canadian Natural set to enter oil sands on its own terms

Canadian Natural Resources wants to start construction on a massive oil sands project this winter and it's ready to tackle the C\$8.5 billion Horizon venture solo.

Steve Laut, chief operating officer of the Calgary-based independent, said Aug. 4 that although finding a partner to share the cost and risk of Horizon remains an option "we're definitely more comfortable taking 100 percent."

A final decision to proceed is expected from the board of directors in the final quarter for a C\$5.2 billion first phase that should come on stream in 2008 at 113,400 barrels per day. Further expansions are designed to boost output to 232,200 bpd by the end of 2012.

Over the last three years, Canadian Natural has indicated several times that it was hoping to line up a partner with more experience than it has in oil sands mining and upgrading, but no takers surfaced.

Horizon, after some delays while the company pondered the impact of the Kyoto climate-change treaty on project economics, was cleared for takeoff in January by the Alberta Energy and Utilities Board and the Canadian Environmental Assessment Agency.

—GARY PARK

NORTH AMERICA

Canada's rig count falls by 39, U.S. up by six rigs

The number of rotary drilling rigs operating in North America during the week ending Aug. 6 totaled 1,619, down by a net 33 compared to the previous week but up by 148 versus the year-ago period, according to rig monitor Baker Hughes.

Canada's rig count in the recent week actually fell by 39 to 384 compared to the prior week and also was down by 13 compared to the same weekly period last year.

The overall loss was partially offset by a six-rig gain in the United States, which ended the recent week with 1,235 rigs, up by 161 rigs compared to the year ago period. Compared to the prior week, the number of land rigs rose by four to 1,118 while inland water rigs increased by two to 19. Offshore rigs remained unchanged at 93.

Of the total number of rigs operating in the United States during the recent week, 1,064 were drilling for natural gas and 170 for oil, while one rig was being used for miscellaneous purposes. Of the total, 775 were vertical wells, 318 directional wells, and 142 horizontal wells.

Among the leading producing U.S. states, Louisiana's rig count increased by six to 168 during the recent week. Texas gained one rig for a total of 515. California remained unchanged with 25 rigs, as well as Oklahoma with 175 rigs and Wyoming with 83 rigs. Alaska's rig count fell by three to eight, while New Mexico's slipped by one to 64.

—RAY TYSON

• NORTH SLOPE, ALASKA

\$500 million West Sak heavy oil project approved

By KRISTEN NELSON

Petroleum News Editor-in-Chief

Commercial development of the heavy oil resource at West Sak in the Kuparuk River unit is finally becoming a reality.

ConocoPhillips Alaska, the field operator, and BP Exploration (Alaska), the other major owner, said Aug. 10 that the first large-scale West Sak development has been approved: a \$500 million two-pad, 44-well program which will increase West Sak oil field production to approximately 45,000 barrels of oil per day by 2007. Construction jobs for the project will peak next year at more than 850, the companies said.

Expansion of Drill Site 1E is expected to add



Darren Jones, ConocoPhillips Alaska

about 10,000 barrels per day, with first production expected this summer, the companies said.

Darren Jones, vice president of ConocoPhillips' Greater Kuparuk Business Unit, told Petroleum News that the fourth West Sak well is being drilled now at Drill Site 1E, an existing Kuparuk drill site. There are already some skids on site at 1E, Jones said, where work involves adding production headers for the West Sak wells and adding crude oil processing and water handling facilities, plus electrical and instrumentation modules.

The work at 1E, he said, just involves bringing in additional modules and the bulk of the West Sak development facilities work will be at that pad this year.

West Sak pilot pad

The other pad, 1J, where the majority of the wells, 31 out of 44, will be drilled, is the West Sak pilot pad, Jones said. The pad was built in 1984

see HEAVY OIL page A12

• GULF OF MEXICO

Discoveries confirming vast lower tertiary oil play

Two Gulf 'ultra-deepwater' discoveries announced, Jack well data under review; Sardinia prospect well spud July 4, drilling ahead at 19,000 feet

By RAY TYSON

Petroleum News Houston Correspondent

A pot load of useful information is said to have come from the St. Malo appraisal well, apparently shedding more light on a far-reaching, geologically deep horizon that's rapidly transforming the remote southern portion of "ultra-deepwater" Gulf of Mexico into one of the hottest oil plays in the region.


Devon Energy and its partners already have scored important lower tertiary discoveries at St. Malo and Cascade and are currently reviewing well data from the Jack well, which Devon said has been temporarily abandoned pending outcome of the

The St. Malo appraisal was a re-entry and deepening of a dry hole drilled in 2001, which was drilled to a shallower objective. The appraisal was deepened about 2,000 feet to a total depth of 28,903 feet. The prospect is located in roughly 7,000 feet of water.

review.

The companies also are in the process of drilling an exploratory well at the Sardinia prospect, another lower tertiary test headed to a target depth of 29,000 feet. The well was spud July 4 and is currently at


see GULF page A10




LCMF LLC



LCMF LLC is a wholly-owned subsidiary of Barrow Technical Services, Inc. (BTSI), which is owned by Ukpeagvik Iñupiat Corporation (UIC)

Providing Architectural, Engineering and Survey Services





2000-2003 Exploration Mapping, Permitting, Logistic and Survey Support (Conoco Phillips and TotalEiffina)

See our Web Page at <http://www.lcmf.com/default.htm>
 Anchorage (800) 955-1830 Toll Free
 Barrow (800) 478-8213 Toll Free

HOUSTON, TEXAS

Hellfighter 'Red' Adair dies

Paul N. "Red" Adair, who earned the nickname "Hellfighter" for having never met an oil well fire he couldn't cap and whose story inspired John Wayne to portray his life on screen, died Aug. 7. He was 89.

He died of natural causes at a Houston hospital, his daughter, Robyn Adair, told The Associated Press Aug. 8.

When an oil well fire raged in the Sahara Desert in 1962, the flames grew so high that astronaut John Glenn said he saw it from space as he orbited Earth. The fire became known as the "Devil's Cigarette Lighter" and burned for six months. Extinguishing it took daring and skill and became one of Adair's most memorable achievements.

Adair is credited with battling more than 2,000 land and offshore oil well fires and was instrumental in capping Kuwaiti oil wells set ablaze by Iraqi soldiers. His death-defying feats included battling the July 1988 explosion of the Piper Alpha platform that killed 167 men in the stormy North Sea, 120 miles off the coast of Scotland.

Adair started the Red Adair Co. Inc. in 1959 and revolutionized the science of snuffing and controlling wells spewing high-pressure jets of oil and gas, using explosives, water cannons, bulldozers, drilling mud and concrete. He was the first to cap an underwater well and the first to cap a floating vessel. He led the industry in developing modern equipment and firefighting techniques, including the semi-submersible firefighting vessel.

Adair's prowess inspired the title of the 1968 John Wayne movie based on his life, "The Hellfighters."

—THE ASSOCIATED PRESS

continued from page A9

GULF

about the 19,000-foot level, Devon said.

Devon's interest in the lower tertiary play alone is impressive, extending some 140 miles from Cascade in Walker Ridge west to Sardinia in Keathley Canyon.

"If this momentum continues to gather in the lower tertiary trend, it will be a very significant growth driver for Devon for many years to come, Larry Nichols, Devon's chief executive officer, declared in an Aug. 5 conference call with industry analysts.

While the partners continue to evaluate data from the St. Malo appraisal well, he added, "our optimism is growing" for the prospect and the region.

"More important is the implication for Devon's prime acreage and prospect position in the emerging lower tertiary trend," Nichols said.

Devon holds interests in more than 200 blocks, or greater than 500,000 net acres, in the Alaminos Canyon, Keathley Canyon and Walker Ridge areas.

St. Malo Devon's third discovery

St. Malo was Devon's third discovery in the area, following Cascade and Trident.

With completion of the Jack well at Walker Ridge Block 759, Devon earned a 25 percent stake in 71 additional deepwater blocks under a previous agreement with owner ChevronTexaco to participate in the drilling of four deepwater exploration wells. Jack was the final well in the program.

Devon holds a 22.5 percent working interest in St. Malo. Unocal is the operator with a 28.75 percent working interest. Petrobras holds a 25 percent stake in the

prospect, followed by ChevronTexaco with 12.5 percent, EnCana with 6.25 percent, ExxonMobil with 3.75 percent and Eni with 1.25 percent.

Devon President John Richels said "a tremendous amount of data" was collected from the St. Malo appraisal well a mile east of the initial discovery on Walker Ridge 678. The discovery logged a robust 450 feet of net oil pay, while the appraisal encountered 400 feet of net.

"The technical teams are reviewing the data and determining what the next move will be," he added. Specific results from the St. Malo appraisal were not disclosed by Devon.

However, Richels said Devon at least expects to participate in an appraisal well at Cascade late this year or early next year, which could shed additional light on the extent of the massive lower tertiary play.

The company said the partners should have a better idea of the region's true oil potential following review of well data from Jack and drilling results from Sardinia.

Nevertheless, Devon is now saying that development of oil discoveries in the area could begin as early as 2008, although the company said the partners continue to weigh development options, including the possible use of a floating production system.

"The pieces of the puzzle are still coming together," a Devon official said. "However, I think a lot of that depends on how many discoveries are out there."

The St. Malo appraisal was a re-entry and deepening of a dry hole drilled in 2001, which was drilled to a shallower objective. The appraisal was deepened about 2,000 feet to a total depth of 28,903 feet. The prospect is located in roughly 7,000 feet of water. ●

continued from page A8

FAR EAST

Gas from the Korpjeje field is already flowing to Iran. The field has about 100 producing gas and oil wells.

Russia plans to cut export tax for CIS countries

RUSSIA'S PARLIAMENT has approved a measure to end the value-added tax on

petroleum exports to countries in the former Soviet Union starting at the first of next year.

The Duma approved the legislation Aug. 5, according to the Prime-Tass news agency. Russia currently levies a VAT of 18 percent on the exports of oil, gas and condensate.

The bill also boosts the royalty tax to 419 rubles per metric ton of oil from 400 and to 135 rubles per thousand cubic meters of natural gas from 107 rubles now.

—ALLEN BAKER




Jobsite Access.

A major problem with a DURA-BASE® solution.

You need access to your drilling location. DURA-BASE® Composite Mat System will take you there over wetlands, frozen tundra, desert or other environmentally sensitive areas. After all, DURA-BASE® is the world's most advanced solution for temporary roads, work sites and staging areas. Protect your personnel and equipment during all your drilling operations. **For information regarding sales or rental of DURA-BASE® Composite Mat System in Alaska, contact COMPOSITECH L.L.C. at (907) 456-4433.**



DURA-BASE®
Composite Mat System
Takes You Where You Want To Go

A Product of SOLOCO®
The Leader In Temporary Road
and Jobsite Technology
For More Than Four Decades

SOLOCO, LLC • 207 Town Center Pkwy. • Lafayette, LA 70506-7524 • 1-877-MAT-ROAD • www.solocollc.com

• HOUSTON, TEXAS

Devon Energy vows no more decline in 2004 at Barnett Shale

Gas volumes slip in huge East Texas field while total daily production jumps 11% to 683,000 barrels of oil equivalent

By RAY TYSON

Petroleum News Houston Correspondent

Devon Energy says it doesn't expect further production declines this year from its huge share of the East Texas Barnett Shale gas field, which at roughly 555 million cubic feet per day accounts for more than a third of the company's 1.65 billion cubic feet of daily U.S. natural gas volumes.

After registering strong quarterly production increases from the unconventional gas play near Dallas, Texas, Devon's Barnett Shale output during the 2004 second quarter slipped from the previous quarter, raising concern among some industry analysts who participated in an Aug. 5 conference call.

Devon, the largest U.S.-based exploration and production independent, by far is the dominant player in the Barnett Shale, which is thought to be among the hottest natural gas plays in the United States.

"We're on track now for an increase in 2004 Barnett Shale production over the actual 2003, and we think the outlook from here is pretty stable to up," Devon spokesman Vince White said.

However, Barnett Shale's production profile all depends on how many dollars the company invests in drilling during 2005 and that corporate decision won't be made until later this year, White said.

"When we finalize our capital budget for 2005, we'll decide whether we're going to take the thing up or down," he added. "But we don't expect additional declines in 2004."

Other production up

Barnett Shale aside, Devon's overall daily oil, gas and natural gas liquids production during the 2004 second quarter climbed a hefty 11 percent to 684,000 barrels of oil equivalent from 615,000 barrels in the year-ago period, largely on the strength of Devon's merger with fellow independent Ocean Energy.

Increased production, coupled with strong commodity prices, also generated a healthy 41 percent increase in Devon's profit during this year's second quarter to \$502 million or \$2.07 per share, compared to a 2003 second-quarter profit of \$356 million or \$1.67 per share. Revenues were \$2.22 billion versus \$1.81 billion in the year-ago period.

Meanwhile, Devon said it completed its 100th horizontal well in the Barnett Shale, and reassured analysts that field

"Between the drilling we see, the additional infill opportunity and the advent of technology, we see a lot of running room both inside and outside the core in the Barnett Shale field." — Devon Energy President

John Richels

work remains on track. Horizontal wells now account for more than 20 percent of Devon's Barnett Shale production, the company said, adding that it plans to drill about 60 horizontals in the field's core area this year alone.

Lots of opportunity

Brad Foster, general manager of Devon's Central Division, said the Barnett Shale represents "a huge resource base" for Devon and that the company is attempting to figure ways to increase recovery rates, which stand at just 10 to 15 percent of in-place hydrocarbons with current technology. At year-end 2003, Devon had booked reserves of 1.3 trillion cubic feet, essentially all in the core area.

"We're looking at longitudinal wells, we're looking horizontal wells," Foster said. "We're also looking at seismic data and simulation models, core data, and a number of different areas to ... really try to increase the recovery out of the core area."

He said the resource is so large inside the core area that a 1 percent increase in the recovery rate yields about 230 billion cubic feet of recoverable reserves, or about 40 million cubic feet per day net to Devon.

"We think we have another two years where we're hoping we can sit there and apply technology and expertise and be able to get more reserves on that vast resource base," Foster said.

He said Devon hopes to boost recovery in the core area by 5 percent over the next five years, "but that's a pure guess right now."

In addition to the more than 100,000 acres that make up the core area, Devon holds title to 390,000 acres of largely exploration area outside the core area, which the company said holds perhaps another 1.3 to 1.8 trillion cubic feet of recoverable gas reserves.

"Between the drilling we see, the additional infill opportunity and the advent of technology, we see a lot of running room both inside and outside the core in the Barnett Shale field," Devon President John Richels said. ●

GULF OF MEXICO

Current Deepwater Activity

| Operator | Area/Block | OCS Lease | Rig Name | Prospect Name | Water Depth (ft) |
|---|------------|-----------|-----------------------------|---------------------|------------------|
| Shell Offshore Inc. | LL 399 | G23480 | R&B FALCON DEEPWATER NAUTIL | Cheyenne | 8,951 |
| Shell Offshore Inc. | AC 857 | G17565 | TRANSOCEAN D.C. DEEP SEAS | Great White | 8,220 |
| BP Exploration & Production Inc. | WR 724 | G17011 | DIAMOND OCEAN CONFIDENCE | Das Bump | 7,591 |
| BP Exploration & Production Inc. | GC 743 | G15605 | TRANSOCEAN D.W. HORIZON | Atlantis(GC) | 6,829 |
| Union Oil Company of California | KC 681 | G20940 | DISCOVERER SPIRIT | East Sardinia | 6,345 |
| BP Exploration & Production Inc. | MC 778 | G09868 | TSF DISCOVERER ENTERPRISE | Thunder Horse South | 6,037 |
| Dominion Exploration & Production, Inc. | MC 773 | G19996 | PRIDE 1503 | Devil's Tower | 5,610 |
| Kerr-McGee Oil & Gas Corporation | GC 767 | G24182 | TRANSOCEAN D.W. MILLENNIUM | Conquest | 5,268 |
| Mariner Energy, Inc. | YK 962 | G15444 | DIAMOND OCEAN AMERICA | Swordfish | 4,673 |
| Nippon Oil Exploration U.S.A. Limited | EB 857 | G20765 | GLOMAR EXPLORER | Kip | 4,512 |
| BHP Billiton Petroleum (GOM) Inc. | GC 653 | G20084 | GLOMAR C. R. LUGS | Shenzi | 4,340 |
| Anadarko Petroleum Corporation | GC 608 | G18402 | NABORS POOL 140 | Genghis Khan | 4,287 |
| Anadarko Petroleum Corporation | GC 518 | G21801 | NOBLE PAUL ROMANO | K2 North | 4,035 |
| Chevron U.S.A. Inc. | GC 640 | G20082 | TRANSOCEAN CAJUN EXPRESS | Tahiti | 4,017 |
| Eri Petroleum Co. Inc. | GC 562 | G11075 | GLOMAR CELTIC SEA | K2 | 3,925 |
| BP Exploration & Production Inc. | YK 915 | G06894 | NOBLE JIM THOMPSON | Dorado | 3,460 |
| Eri Petroleum Co. Inc. | GC 298 | G08010 | DIAMOND OCEAN VALIANT | Allegheny(South) | 3,305 |
| Murphy Exploration & Production Company | GC 338 | G21790 | NOBLE AMOS RUNNER | Front Runner | 3,278 |
| Shell Offshore Inc. | GC 248 | G15565 | NOBLE MAX SMITH | Glider | 3,243 |
| Shell Offshore Inc. | YK 956 | G06896 | H&P 205 | Ram-Powell | 3,214 |
| Kerr-McGee Oil & Gas Corporation | GB 668 | G17408 | NABORS MOOS RIG 150 | Gunnison | 3,152 |
| Kerr-McGee Oil & Gas Corporation | GB 667 | G17407 | DIAMOND OCEAN STAR | Gunnison/Durango | 3,152 |
| Nexen Petroleum U.S.A. Inc. | GC 243 | G20051 | TRANSOCEAN MARIANAS | Aspen | 3,065 |
| Shell Offshore Inc. | GB 426 | G07493 | AUGER | Auger | 2,862 |
| Walter Oil & Gas Corporation | MC 583 | G16624 | DIAMOND OCEAN LEXINGTON | Killer Bee | 2,487 |
| Murphy Exploration & Production Company | MC 582 | G16623 | MOOS 141 | Medusa | 2,215 |
| LLOG Exploration & Production Company | GB 415 | G24491 | DIAMOND OCEAN SARATOGA | | 2,072 |
| Chevron U.S.A. Inc. | YK 786 | G10944 | ENSCO 25 | Petronius | 1,754 |
| El Paso Production GOM Inc. | EW 1003 | G06921 | NABORS SUNDOWNER 11 | Prince | 1,483 |
| BP Exploration & Production Inc. | YK 989 | G09771 | NABORS POOL 143 | Pompano I | 1,295 |
| BP Exploration & Production Inc. | MC 109 | G05825 | H&P 203 | Amberjack | 1,030 |

Total Deep Water Prospects with Drilling/WO Activity 31

New Deepwater Activity

| | | | | |
|---------------------------------------|--------|--------|-------------|-------|
| Shell Offshore Inc. | AC 857 | G17565 | Great White | 8,220 |
| Nexen Petroleum U.S.A. Inc. | GC 243 | G20051 | Aspen | 3,065 |
| LLOG Exploration & Production Company | GB 415 | G24491 | | 2,072 |
| BP Exploration & Production Inc. | YK 989 | G09771 | Pompano I | 1,295 |



Aeromed response: calculated in seconds. Measured by firsts.

Our medical flight teams are your first choice, standing by at the airport 24/7. This means Aeromed is airborne for any emergency in Alaska within minutes.

When Every Second Counts, Count on Aeromed.

Aeromed's on-call rapid deployment by our state-of-the-art fleet of jet aircraft provides a first response that saves precious time...and lives. Every mission includes an experienced flight nurse and certified flight paramedic that provide superior medical service.

For information on contracted services call (907) 677-7501.



A DIVISION OF YUKON KUSKOKWIM HEALTH CORPORATION

For statewide critical care air ambulance service call 1-888-283-7220



1000 hp Turbine Otter

Renew Air
Exploration & Seismic Support Statewide
Wheels • Wheel Skis • Amphibious Floats
Cargo • Fuel • Passenger

1-888-684-0177
renew1@aol.com

1-907-457-7287
www.renewair.com

• ALBERTA

EOG Resources moving into CBM ranks

By GARY PARK

Petroleum News Calgary Correspondent

Coalbed methane is stirring the interest of more operators in Alberta, with Houston-based EOG Resources the latest to signal its intention to follow the lead of others in southern Alberta.

EOG has drilled 17 coalbed methane wells on 120,000 net acres in the area so far this year and now plans another 100 Horseshoe Canyon wells as part of a 1,300-well program in southern Alberta, Chairman and Chief Executive Officer Mark Papa told a conference call Aug. 3.

He said EOG hopes to copy the coalbed methane success of other operators on nearby lands by incorporating coalbed methane into its larger drilling operations.

Papa said EOG estimates it has 375 potential coalbed methane locations in southern Alberta that it views as

“quite economic” based on initial drilling results and the potential for further coalbed methane development.

Meanwhile, MGV Energy, a unit of Quicksilver Resources, boosted its coalbed methane-dominated gas production almost four-fold in the second quarter to 1.84 billion cubic feet from 486 million cubic feet in the same period of 2003 and expects to end 2004 with output as high as 40 million cubic feet per day as more coalbed methane comes on stream.

The company completed 152 net wells in the first half of 2004 and forecasts another 131 for the balance of 2004.

Quicksilver President Glenn Darden told a conference call that the bulk of current production is from wells that



EOG Chairman and CEO Mark Papa

average only 90,000 to 130,000 cubic feet per day, but farther north in the Palliser area rates have gone as high as 400,000 cubic feet per day.

Thunder Energy said it is advancing plans to increase coalbed methane volumes in Alberta now that it is averaging about 70,000 cubic feet per day from 12 wells in the Fenn-Big Valley area of the Horseshoe Canyon formation.

In July it moved to the next stage by launching a 40-well program in the Belly River/Horseshoe Canyon area.

Once those are connected Thunder expects to have 60 producing well bores with an average 75,000-80,000 cubic feet per day, said President and Chief Executive Officer Doug Dafeo.

MGV, along with EnCana and Apache, dominates Canada's fledgling coalbed methane sector, which is expected to achieve combined production of about 150 million cubic feet per day by the end of 2004, just two years after the commercial debut. ●

ALASKA

Alliance continues oil and gas training program for U.S. Foreign Service officers

The Alaska Support Industry Alliance and the Foreign Service Institute have completed a 2004 advanced oil and gas training program for Foreign Service officers. The program, held July 26-30, was based in Anchorage and included trips to the North Slope, Cook Inlet and Valdez, with reviews of North Slope infrastructure, an on-site inspection of a Cook Inlet production platform and a review of the pipeline terminal infrastructure in Valdez. The program also included an inspection of the ConocoPhillips' liquefied natural gas plant at Nikiski and a demonstration of oil spill preparedness by Ship Escort Response Vessel Systems in Valdez.

continued from page A1

PLATFORM

offshore jackup rigs used in the Gulf of Mexico you could get a feel for the dimensions of the Arctic platform, which could be as large as 32 modules, each 50 feet by 12.5 feet. (The prototype has 21 modules, all of which, Hanley said, would have to be modified using “lessons learned” at the gas hydrate project if they were to be part of a larger module for conventional North Slope wells.)

Currently the camp, which rested on the platform so that only the prototype's legs were touching the ground, is being leased by Alyeska Pipeline Service Co. in Alaska. The rest of the prototype is up for sale.

“There are stellar uses for the existing platform in a smaller scale setting,” he said. Designed for a smaller drilling rig, “it can be used in other sensitive environments ... such as swamps.”

So when is Anadarko going to build a full-size platform and begin drilling exploration wells in remote areas of the North Slope, such as the Brooks Range Foothills?

The short answer: The company is still in

the process of evaluating what it learned from the prototype but, more importantly, it needs several drillable prospects to proceed.

“Unlike ice roads and pads, the Arctic platform could be used for multiple wells over a period of many years. So you can spread the cost over more than just one or two wells,” Hanley said.

“We're in the process of putting together a multi-year drilling program,” but a major challenge for Anadarko in Alaska, he said, is the chicken or egg battle regarding the proposed natural gas pipeline from the North Slope to southern markets. The company needs to know it will have access to the gas pipeline before it can commit to drilling a lot of wells in the gas-prone Brooks Range Foothills.

“The next generation platform will be improved and take advantage of the lessons we learned to reduce costs and improve efficiencies,” Hanley said. “We're still evaluating the economics and how it would compete with other exploration options ... but a big part of it is getting the prospects lined up.” Their location and environment, he said, plays into the final design of a full-size platform.

—KAY CASHMAN

continued from page A5

NEWFIELD

drilling in the Gulf of Mexico and abroad, the company said. Newfield said it plans to pay for Inland Resources using a combination of stock and borrowing. On Aug. 9, the company said it would publicly offer 4.7 million shares of its common stock to help pay for the acquisition.

Inland couldn't come up with capital

Denver-based Inland Resources, the product of a merger between Lomax Exploration and Inland Mining Co. in 1994, simply could not come up with the capital to further develop the Monument Butte field, Schaible said.

“They contemplated raising additional

money to fund drilling activity earlier this year and then later decided to sell the company,” he added. “Newfield worked with Inland on a negotiated basis and reached an agreement to acquire this legacy asset.”

However, he said, Newfield intends to keep the Inland staff because of their experience with developing the field and working with the U.S. Bureau of Land Management. Monument Butte is located on federal land.

“With Newfield's financial strength and an infusion of a few key Newfield employees, we think we have the winning combination to better exploit this unique asset,” Schaible said. He said Newfield would use the Inland acquisition to establish a foothold in the Rocky Mountains.

“This acquisition places us squarely in the Rockies, an area where we intend to grow in the future,” Schaible said. ●

continued from page A9

HEAVY OIL

and West Sak pilot vertical wells were drilled there.

“So the gravel is there,” Jones said, “but nothing else we could use.”

A pipeline and power line will be built to Drill Site 1J this winter, a distance of some three to four miles from Kuparuk Central Processing Facility 1, and modules will be installed this time next year.

Now that the project has been approved, Jones said, they can start ordering some of the longer-lead items and start letting contracts for construction.

Jones said they aren't releasing an estimate of original oil in place for the Drill Site 1E and Drill Site 1J areas, but the known accumulation of West Sak oil at Kuparuk is 7 billion barrels of oil in place.

Development of Drill Site 1J will add about 30,000 bpd, with first production expected in late 2005 and peak production in 2007, the companies said.

Production will more than quadruple

The companies said production of West Sak oil is now at about 10,000 barrels per day, and with the Drill Site 1E and 1J project, production is expected to reach approximately 45,000 bpd by 2007.

The West Sak heavy oil accumulation overlies conventional oil over much of the Kuparuk River field, and the accumulation, variously called heavy or viscous, has been known for decades, since wells to conventional oil drill through the West Sak formation.

Producing it has been a challenge, but recently both ConocoPhillips and BP, which produces heavy oil at Milne Point and at western Prudhoe Bay satellite fields, have signaled success with multi-lateral wells: two, three or even four horizontal penetrations into the West Sak from a single well bore.

Greg Leveille, ConocoPhillips' manager of Kuparuk satellites, said in February that ConocoPhillips began to employ new techniques to recover heavy oil in the 2000-2002 timeframe, including lateral wells through producing zones, but results were still “marginally economic.”

But, he said, 2003 was “a big transition year for us” in heavy oil, with “extremely long” lateral sections through the reservoir combined with a less expensive completion technique using slotted liners, a combination which made developing heavy oil an economic proposition.

“Extensive technical cooperation by ConocoPhillips and BP also has contributed to the recent advance in the production and development of heavy oil resources at West Sak and the BP-operated Orion and Milne Point fields,” the companies said.

Forty-four West Sak wells

Plans call for the drilling of 13 West Sak wells at Drill Site 1E and 31 wells at Drill Site 1J, the companies said. Jones said the 1E wells include seven injectors and six producers and the 1J wells include 14 injectors and 17 producers.

First-year average production rates from a typical West Sak well have climbed from a few hundred barrels of oil per day in 1997 to more than 1,500 bpd today, the companies said. The increase in production rates is a result of advanced drilling technologies such as multilateral wells, which have multiple producing well bores, and the use of enhanced oil recovery technologies that make it possible to extract more oil from the reservoir.

“Extensive technical cooperation by ConocoPhillips and BP also has contributed to the recent advance in the production and development of heavy oil resources at West Sak and the BP-operated Orion and Milne Point fields,” the companies said.

Engineering under way

Detailed engineering contracts for the West Sak development program have been awarded to VECO Alaska and NANA/Colt Engineering LLC. Additional contracts for drilling, facility module construction, pipelines and power lines will be awarded once detailed engineering is completed for Drill Site 1J. Companies that have already been awarded contracts for support of development at Drill Site 1E include ASRC Energy Services and Doyon Drilling.

ConocoPhillips Alaska operates the West Sak field, which will be owned by ConocoPhillips (52 percent), BP (37 percent), ExxonMobil (5.8 percent), Unocal (5.0 percent) and ChevronTexaco (0.1 percent).

ConocoPhillips Alaska spokeswoman Dawn Patience told Petroleum News that there have been some changes in ownership that are pending approval from the state of Alaska. Current ownership is ConocoPhillips 55.9 percent; BP 39.7 percent; Unocal 3.96 percent; ExxonMobil 0.36 percent; ChevronTexaco 0.1 percent. ●

Companies involved in North America's oil and gas industry

| ADVERTISER | PAGE AD APPEARS | ADVERTISER | PAGE AD APPEARS |
|--|-----------------|-------------------------------------|-----------------|
| A | | | |
| Aeromap | | Kakivik Asset Management | |
| Aeromed..... | A11 | Kenai Aviation | |
| AES Lynx Enterprises | | Kenworth Alaska..... | A8 |
| Agrium | | Kuukpik Arctic Catering | |
| Air Liquide | | Kuukpik/Veritas | |
| Air Logistics of Alaska | | Kuukpik - LCMF..... | A9 |
| Alaska Airlines Cargo | | Lounsbury & Associates | |
| Alaska Anvil | | Lynden Air Cargo | |
| Alaska Coverall | | Lynden Air Freight | |
| Alaska Dreams | | Lynden Inc. | |
| Alaska Interstate Construction | | Lynden International | |
| Alaska Marine Lines | | Lynden Logistics | |
| Alaska Massage & Body Works..... | B13 | Lynden Transport | |
| Alaska Railroad Corp. | | Mapmakers of Alaska | |
| Alaska Steel | | Marathon Oil | |
| Alaska Tent & Tarp | | Marketing Solutions | |
| Alaska Terminals | | Mayflower Catering | |
| Alaska Textiles | | MEDC International | |
| Alaska West Express | | MI Swaco | |
| Alliance, The | | Michael Baker Jr. | |
| Alpine-Meadow | | Millennium Hotel | |
| American Marine..... | A14 | MWH | |
| Anchorage Hilton | | MRO Sales | |
| Arctic Controls | | | |
| Arctic Fire & Safety | | N-P | |
| Arctic Foundations | | Nabors Alaska Drilling | |
| Arctic Slope Telephone Assoc. Co-op..... | A4 | NANA/Colt Engineering | |
| Arctic Structures..... | A15 | Natco Canada | |
| ArrowHealth | | Nature Conservancy, The | |
| ASRC Energy Services | | NEI Fluid Technology | |
| ASRC Energy Services | | NIED LLC | |
| Engineering & Technology | | Nordic Calista | |
| ASRC Energy Services | | North Slope Telecom..... | A6 |
| Operations & Maintenance | | Northern Air Cargo..... | A8 |
| ASRC Energy Service | | Northern Transportation Co..... | A3 |
| Pipeline Power & Communications | | Northwestern Arctic Air | |
| Avalon Development | | Offshore Divers..... | A4 |
| | | Oilfield Improvements..... | A5 |
| B-F | | | |
| Badger Productions | | Oilfield Transport | |
| Baker Hughes | | Pacific Rim Institute | |
| Brooks Range Supply | | of Safety and Management (PRISM) | |
| Capital Office Systems | | Panalpina..... | A4 |
| Carlile Transportation Services..... | A5 | PDC/Harris Group | |
| Carolina Mat | | Peak Oilfield Service Co. | |
| CH2M Hill | | Penco | |
| Chiulista Camp Services | | Perkins Coie | |
| CN Aquatrain | | Petroleum Equipment & Services | |
| Colville | | Petrotechnical Resources of Alaska | |
| Conam Construction | | PGS Onshore | |
| ConocoPhillips Alaska | | Prudhoe Bay Shop & Storage..... | A8 |
| Craig Taylor Equipment | | | |
| Crowley Alaska | | Q-Z | |
| Cruz Construction..... | A2 | QUADCO | |
| Dowland - Bach Corp. | | Renew Air Taxi..... | A11 |
| Doyon Drilling | | Salt + Light Creative | |
| Doyon LTD | | Schlumberger | |
| Dynamic Capital Management | | Security Aviation | |
| Engineered Fire and Safety | | Seekins Ford | |
| ENSR Alaska | | Smith Consulting Services | |
| Epoch Well Services | | Span-Alaska Consolidator..... | A15 |
| Era Aviation..... | A7 | Spenard Builders Supply | |
| Evergreen Helicopters of Alaska | | STEELFAB | |
| Fairweather Companies, The | | Storm Chasers Marine Services | |
| FMC Energy Systems | | Taiga Ventures | |
| Friends of Pets | | Thrifty Car Rental | |
| Frontier Flying Service | | TOTE | |
| F.S. Air | | Totem Equipment & Supply..... | A6 |
| | | Travco Industrial Housing | |
| G-M | | | |
| Golder Associates | | UBS Financial Services Inc. | |
| Great Northern Engineering | | Udelhoven Oilfield Systems Services | |
| Great Northwest | | Umiat Commercial | |
| Hanover Canada | | Unique Machine | |
| Hawk Consultants..... | A14 | Unitech of Alaska | |
| H.C. Price | | Univar USA | |
| Hunter 3D | | U.S. Bearings and Drives | |
| Industrial Project Services | | Usibelli Coal Mine | |
| Inspirations..... | B6 | VECO | |
| Jackovich Industrial | | Weaver Brothers..... | A14 |
| & Construction Supply | | Worksafe | |
| Judy Patrick Photography | | Well Safe | |
| | | XTO Energy | |

All of the companies listed above advertise on a regular basis with Petroleum News



Business Spotlight

By PAULA EASLEY



FORREST CRANE

Lyle Madsen, senior account manager

Alaska Railroad Corp.

Added to the Alaska Railroad Corp.'s fleet this year are eight new locomotives, 25 hopper cars, and 10 TOFC flatcars to handle increased freight demands. An updated fleet plan is also under way. The railroad offers trailer-on-flatcar service daily between Anchorage and Fairbanks and specializes in heavy loads.

Before joining the Alaska Railroad nine years ago, Lyle Madsen was employed in marine and rail transportation sales and marketing. He worked for Northland Services and Crowley Marine Services for a total of 11 years. Today he enjoys the interaction between customers and operations once marketing has committed the railroad to a move. Lyle is active in the Alaska Miners Association, the Alliance and Resource Development Council. His and wife Nita's four sons are grown and living Outside.



FORREST CRANE

Mark L. Susich, senior pipeline specialist

Marathon Oil Co.

Marathon Oil Co. continues building on its natural gas exploration successes. In 2000, Marathon commissioned Glacier Drilling Rig No. 1, which recently surpassed 250,000 feet drilled. The company remains committed to providing natural gas to Southcentral Alaska. Since 1961, Marathon and other Cook Inlet producers have delivered some 7 trillion cubic feet of natural gas to local markets without compromising public safety or the environment.

Mark Susich joined Marathon in 1988 and oversees pipeline regulatory requirements and various drilling support operations. Claiming no responsibility, he oversaw Mount Redoubt's 1990 eruption from the Dolly Varden platform. Mark is an avid outdoorsman and enjoys coaching a girls' soccer team. (What could be more fun than watching 4 and 5-year-olds play soccer?) Mom, the two girls and the dog all love camping and fishing.

continued from page A1

QUANDARY

sion, he said: to extend the on-tundra work season while maintaining — or exceeding — the current level of tundra protection.

The number of days allowed for winter tundra work has dropped significantly since the state began to set the tundra opening date in 1969, and a chart of that decline, Bader said Aug. 1, prior to a tour of some of the division's tundra test plots, has been widely used to illustrate climate change.

And "part of this project is to tease out how much of this graph is a result of climate change and how much is the result of management choice."

Bader said he hopes to find that a fraction of the changes in the tundra opening dates are due to management choice, "because if it's entirely climate driven, I'm going to have a hard time opening up the season."

The \$1 million study

The tundra study is collaborative, Bader said, involving the Department of Natural Resources, the Alaska Oil and Gas Association, the U.S. Department of Energy, Yale University and the University of British Columbia. Costs of the study will come to about \$1 million, he said: the Department of Energy provided \$270,000 in startup money; the Alaska Oil and Gas Association coordinated personnel and equipment time valued at \$80,000; and Yale University computing time is valued at about \$700,000.

The division is studying a number of things in what is, Bader said, "the first-ever test on the tundra in a controlled environment."

One question being asked is "what is the level of disturbance under our current standard?" Public consensus seems to be, he

Tundra opening tools have changed

Part of the work for the Alaska Department of Natural Resources' Division of Mining, Land and Water's analysis of tundra opening dates took place on the North Slope. Part of the work was done in the division's Fairbanks' offices, studying how tundra-opening decisions were made in the past.

When Harry Bader took over as northern region land manager for the division in 2002, he had a study done of the division's decision-making processes. One outcome of that study was a recommendation for further analysis of the decision making behind the tundra opening.

As with the tundra plot work, Bader wanted people working on the project who don't, as he put it "have a dog in the fight." He chose academic interns: University of Oregon law student Patricia Bradwell; University of Alaska Fairbanks graduate student Sherri Wall, a Ph.D. candidate in economics; and Alison Macalady, a master's degree student at Yale University School of Forestry.

They studied how the state made tundra opening decisions in the past, and what the economic cost is to the state of a shorter tundra opening.

Institutional history, transparency

The first thing they found, Patricia Bradwell said, was a lack of documentation of the decision-making process, so they had to discover what went on by interviewing present and past staff, as well as personnel from local, state and federal agencies who had some involvement, and then checking recollections against documents from the time.

Tundra opening, Bradwell said, "is a product of a variety of factors including climate variability, the measure techniques that DNR has used to determine the frost level and ground hardness of the tundra, and also changes in the way that DNR decision makers have valued the tundra ecosystem over the years."

The assumption at the beginning of the study was that the state had always used the 12 inches of hard ground and six inches of snow standard for determining tundra opening. What they discovered was "that that standard was applied in a number of different ways over the years, and in some cases it wasn't applied at all."

General guidelines have changed a lot.

The 12 and six guidelines were developed by Max Brewer, formerly director of the Naval Arctic Research Laboratory in Barrow, in advising the U.S. Geological Survey and the U.S. Navy on construction of airplane landing strips, roads and drilling pads

see **TOOLS** page A15

said, that the current level is acceptable. Measuring that level of disturbance is significant, because the division has been asked to change how it opens the tundra so the season

will be longer, while maintaining — or enhancing — the present level of tundra protection.

Bader said he wanted people outside the system for the study, and chose to go with academic interns, most of them graduate students, from the University of Alaska Fairbanks, the University of Oregon Law School, McGill University in Canada and Yale University.

Two test areas

Two test areas were selected, one four miles south of Deadhorse on the coastal plain of the North Slope, and one in the Brooks Range Foothills some 60 miles south of Deadhorse. Selection criteria included: road access; a pullout for staging; no previous activity; and a good representation of the major ecology systems on the North Slope. Given the requirements, there were really only two spots, Bader said, and they weren't perfect: a helicopter over flight found an old seismic trail — invisible from the ground — at one site, and that "green" trail had to be marked from the helicopter so that the test plots wouldn't overlay the old

disturbance.

The Foothills site is dominated by tussock shrubs, he said, while the coastal plain site is 90 percent wet sedge meadow.

The test work was done over the fall and winter season, and included five treatments on six dates, for a total of 30 plots at each site.

In the treatments vehicles were driven in a figure eight pattern on the plot. The ground was staked to indicate the pattern. Treatments were: a trucker, a wheeled front-end loader, a D-7 cat tractor, a challenger (a rubber-tracked vehicle) and a "no-treatment" treatment.

The "no-treatment treatment" is not the control, Bader said. The control was the baseline ecological data that he and interns working on the project collected the summer before the tests.

The "no-treatment" treatment "is to calibrate the natural variation in change that occurred in the tundra" Bader said. To be significant, any change in the area driven over by, for example, the D-7 Cat, compared to the baseline, "has to be statistically significantly different than the change that occurred in the no-treatment treatments for the same time period."

Measurements crucial to study

Baseline ecological data was collected prior to the tests.

Before the driving tests, measurements were made of snow depth, snow slab thickness, hoar frost thickness and ground hardness.

Ground hardness is measured with a drop hammer. One person lifts a weight and drops it; a second person is on the ground, recording how many drops it takes for each inch of penetration by the probe to a depth of 12 inches.

For the vehicle treatments, each was driven over a figure-eight course, marked by stakes.

Bader said the tests, which included 10 passes through the cross "gate" marked by stakes in the center of the figure eight, exceeded anything the division would allow companies to do on the tundra in terms of repeated driving over a single spot.

For each test date, each vehicle was driven in a figure eight pattern on a separate plot; then the plots were left alone. For the next test date, vehicles were driven over different plots.

This enables the division to compare both the date of the test (and the snow and ground hardness conditions on the test date) and the results from different vehicles.

October represents "worst case"

The test included a late October date, requested by the North Slope Borough to represent a "worst case" scenario. Bader,

see **QUANDARY** page A15

WEAVER BROS INC.

Kenai
(907) 283-7975

Anchorage
(907) 278-4526

Fairbanks
(907) 456-7704



Safety and service is our commitment to you.

Hawk

CONSULTANTS, INC



People and Resources that get the job done

Hawk works with clients to understand their business; help plan their goals; work their plan; and support their needs.

- Project Management
- Construction Management
- Project Controls
- Business planning and analysis
- Contract Compliance / Management
- Materials Management
- Quality Assurance • Audit / Surveillance
- Quality engineering and consulting
- Engineering Management Consulting
- Safety Consulting / Audits
- Environmental Consulting
- Management Consulting Services

TEST OUR COMMITMENT

Please Submit Resumes By Email
info@hawkpros.com

Phone: (907) 278-1877 Fax: (907) 278-1889



American Marine
Services Group

6000 A Street, Anchorage, AK 99518

907-562-5420

www.amshg.com • alaska@amarinecorp.com

AMERICAN
MARINE
CORPORATION

- COMMERCIAL DIVING
- MARINE CONSTRUCTION SERVICES
- PLATFORM INSTALLATION, MAINTENANCE AND REPAIR
- PIPELINE INSTALLATION, MAINTENANCE AND REPAIR
- UNDERWATER CERTIFIED WELDING
- NDT SERVICES
- SALVAGE OPERATIONS
- VESSEL SUPPORT AND OPERATIONS

PENCO
PACIFIC ENVIRONMENTAL
CORPORATION

- OIL-SPILL RESPONSE, CONTAINMENT AND CLEAN-UP
- HAZARDOUS WASTES AND CONTAMINATED SITE CLEAN-UP AND REMEDIATION
- ASBESTOS AND LEAD ABATEMENT
- PETROLEUM VESSEL SERVICES, E.G. FUEL TRANSFER
- BULK FUEL OIL FACILITY AND STORAGE TANK MAINTENANCE, MANAGEMENT, AND OPERATIONS

Anchorage

Honolulu

Los Angeles

continued from page A14

TOOLS

on permafrost. In conversations with Brewer, Bradwell said, "it became clear that the 12 and six standard was less of a scientific standard than it was an engineering rule of thumb."

What the state actually relied on, however, has varied a lot: from 1969-82, air temperatures at Barrow and Barter Island were the basis for tundra opening. From 1982-84, the state also measured the thickness of ice on rivers, or asked oil companies working in the area to measure it. In these early years, Bradwell said, there wasn't a budget for state staff to go to the North Slope to take measurements.

In 1985, however, the state started directly measuring tundra hardness: driving a graduated steel rod into the frozen ground with a sledgehammer. In 1993, the state began to experiment with different techniques to take measurements, and in 1995 began using a slide hammer: as the hammer was dropped down the weight would push the point into the ground.

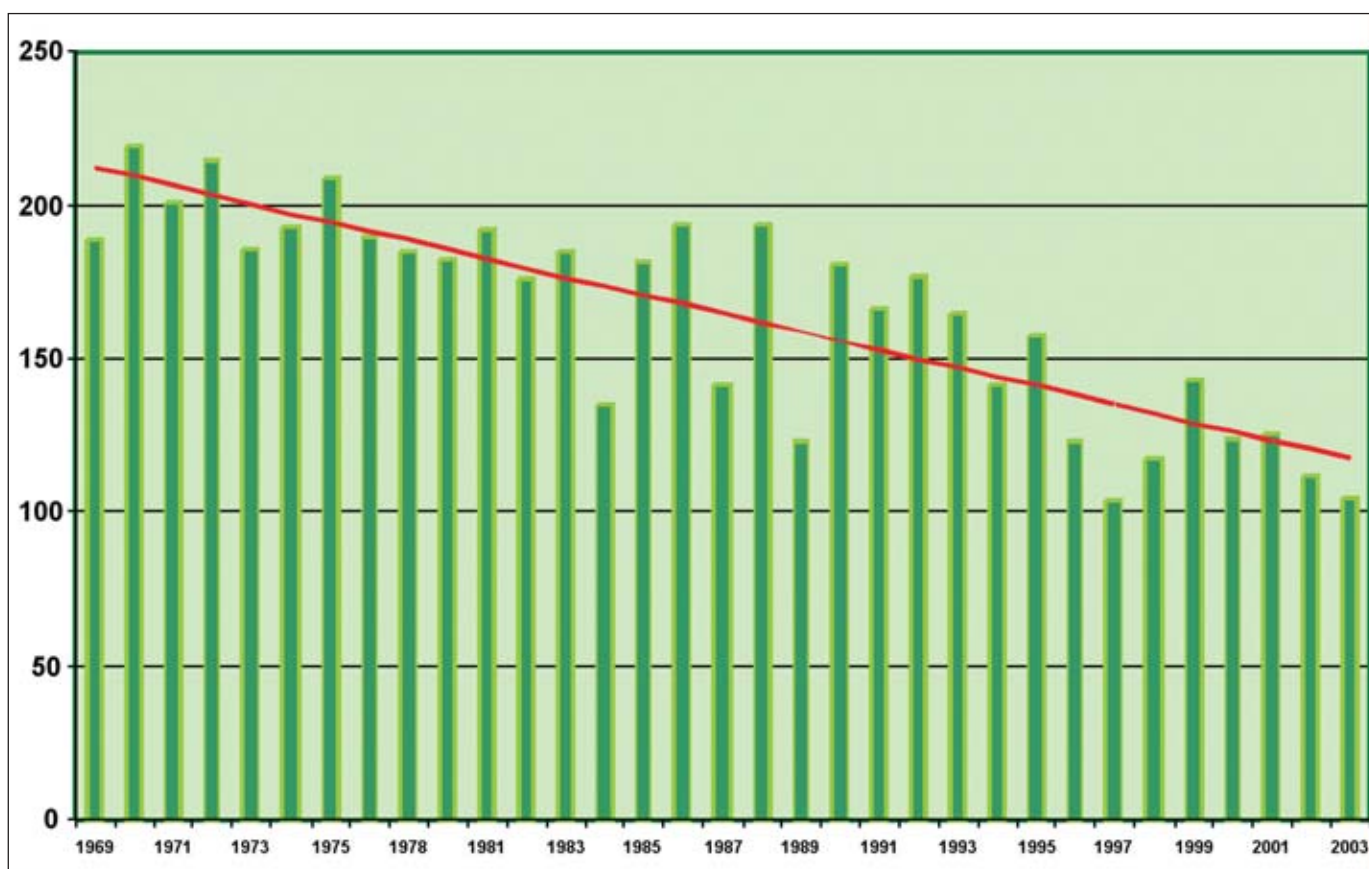
There were problems with both the sledgehammer and the slide hammer, however, because the number of sledgehammer strokes — or the number of drops of the slide hammer — depended on the strength of the person doing the measuring, and the slide hammer often required application of additional pressure to drive it into the ground. And that affected the measurement of how hard the tundra was.

Bader helped develop the drop hammer, in use since 2002. The drop hammer has a probe which is both harder and slimmer than that used on the slide hammer, so it can penetrate the ground service without additional pressure, so the strength of the person operating the equipment doesn't affect the measurements.

Economic implications of tundra season

Sherri Wall found a significant economic impact on oil and gas exploration from a shorter tundra season, especially since onshore exploration targets have gotten farther away — now as far as the National Petroleum Reserve-Alaska — as the tundra season has gotten shorter.

Most exploration is done from ice roads and ice pads: they take time and cost money to build. Wall said she was told that \$100,000 a mile is a good estimate for ice road costs. Taking 60 miles as an example, that's \$6 million just to put in the ice road, and then you have to drill. If you can only drill one well from that ice road, because of the shorter tundra season, that adds \$6 mil-



Number of days of tundra travel per year.

lion in cost to a single well, whereas if you had time to drill two or three wells the cost could be split between the projects, she said.

And what are the oil companies saying? Anadarko Petroleum told Wall: "Alaska's a difficult place to do business, given the lack of access to infrastructure and cold weather. The shortened season is considered for fund allocation. There is no doubt that there have been many decisions that our dollars are better spent taken elsewhere."

And ConocoPhillips, in recent years the most active North Slope explorer, said: "We have more projects than money and we must consider where we can most efficiently spend our money. So Alaska is in a disadvantaged position to compete, given the seasonal operations. Exploration is teetering on the brink of extinction."

If there is no exploration, then production declines as existing reserves are produced.

Oil royalties and taxes account for 84 percent of the state's general fund revenues. In 2003, royalties were \$1.2 billion and tax, severance and other payments by the industry were \$800 million, Wall said. Alaska provides 19 percent of U.S. oil production, so as the tundra season shortens, "there are economic implications not only to the oil companies themselves, but also to Alaska's fiscal stability and national energy security."

—KRISTEN NELSON

continued from page A14

QUANDARY

showing a photo from that test, noted that while there was snow on the ground, the ground was not frozen. "You see a lot of mud and torn-up grass." While the study results aren't in yet, he said he doesn't think October will be an opening date for tundra travel, "because without measuring it, that does look like there's probably some disturbance."

This summer Bader and interns Jacynthe Guimond, a graduate of McGill University, in Montreal, Quebec, and University of Alaska Fairbanks undergraduate Jonathan Fiely, returned to the test plots. They took measurements of tussock frequency and disturbance; shrub frequency and disturbance; vegetative cover; depth of active layer; soil temperature at depth; soil volumetric water at depth; and microthermography.

One test, measuring plant stress, used a device developed to measure plant stress on golf courses.

This project will wrap up with modeling, but Yale has applied to the Department of Energy for money to monitor the plots over a 20-year period.

Bader said just entering the data for computer analysis will take 175 to 200 hours.

Has he found a way to increase on-tundra time? Bader says he doesn't know: look for results in November. ●

In 1978..
Who was governor of Alaska?
Who coached the Seahawks?
Who played In-A-Gadda-Da-Uida?
Who delivered freight to Alaska?

Answers: J.S. Hammond, Jack Patera, Iron Butterfly and SPAN-ALASKA Consolidators. Of these four only one original remains today, Span-Alaska. In 1978 Span-Alaska set the standard for surface transportation to and from Alaska.

Timely delivery, customer service and fair pricing was as important then as it is now. So when you need to get things to or from Alaska call the company that has been doing it better and longer. Even longer than the drummer with Iron Butterfly, Span-Alaska.



SPAN-ALASKA
 CONSOLIDATORS, INC.

Anchorage 907-349-3606
 Fairbanks 907-451-1184
 Kenai 907-262-5444
 Kent 800-257-7726



CAMP AVAILABLE FOR SALE OR LEASE

Manufactured in Alaska in 2002 — excellent condition
 Available in whole or part — competitively priced
~~Nine~~ Eight 52 bed dormitory wings
 5200 sq. ft. kitchen and dining complex
 5200 sq. ft. recreation complex
 Located in Alaska



9312 Vanguard Dr., Ste. 200
 Anchorage, AK 99507
 info@arcticstructures.com

907-522-2425

A Global Footprint



If you're looking for an oilfield service company that is truly global, look no further than Nabors Industries. The Nabors footprint is on every continent in every major oil and gas production area. We deliver drilling and workover rigs, land and offshore, combined with a worldwide infrastructure of facilities and around-the-clock technical support. We also offer a broad range of subsidiary products and services that improve our wellsite content.

From Canada to Chile, from Mexico to Malaysia, Nabors has developed a reputation for providing unparalleled service to the oil and gas industry. That's some pretty big shoes to fill every day. Fortunately, we're accustomed to measuring success in feet.

Nabors Industries: Anytime. Anywhere.

Nabors Alaska Drilling, Inc.
Nabors Canada L.P.
Nabors Drilling USA, LP
Pool Well Services Co. and Pool Company Texas, Ltd.
Ryan Energy Technologies
Nabors Management Ltd.
Nabors Drilling International Limited

Nabors Drilling International II Limited
Sundowner Offshore International (Bermuda) Limited
Nabors Offshore Corporation
Canrig Drilling Technology Ltd.
Epoch Well Services, Inc.
Peak Oilfield Service Company
Sea Mar, a division of Pool Well Services Co.

 **NABORS INDUSTRIES LTD.**
www.nabors.com

Petroleum

DIRECTORY

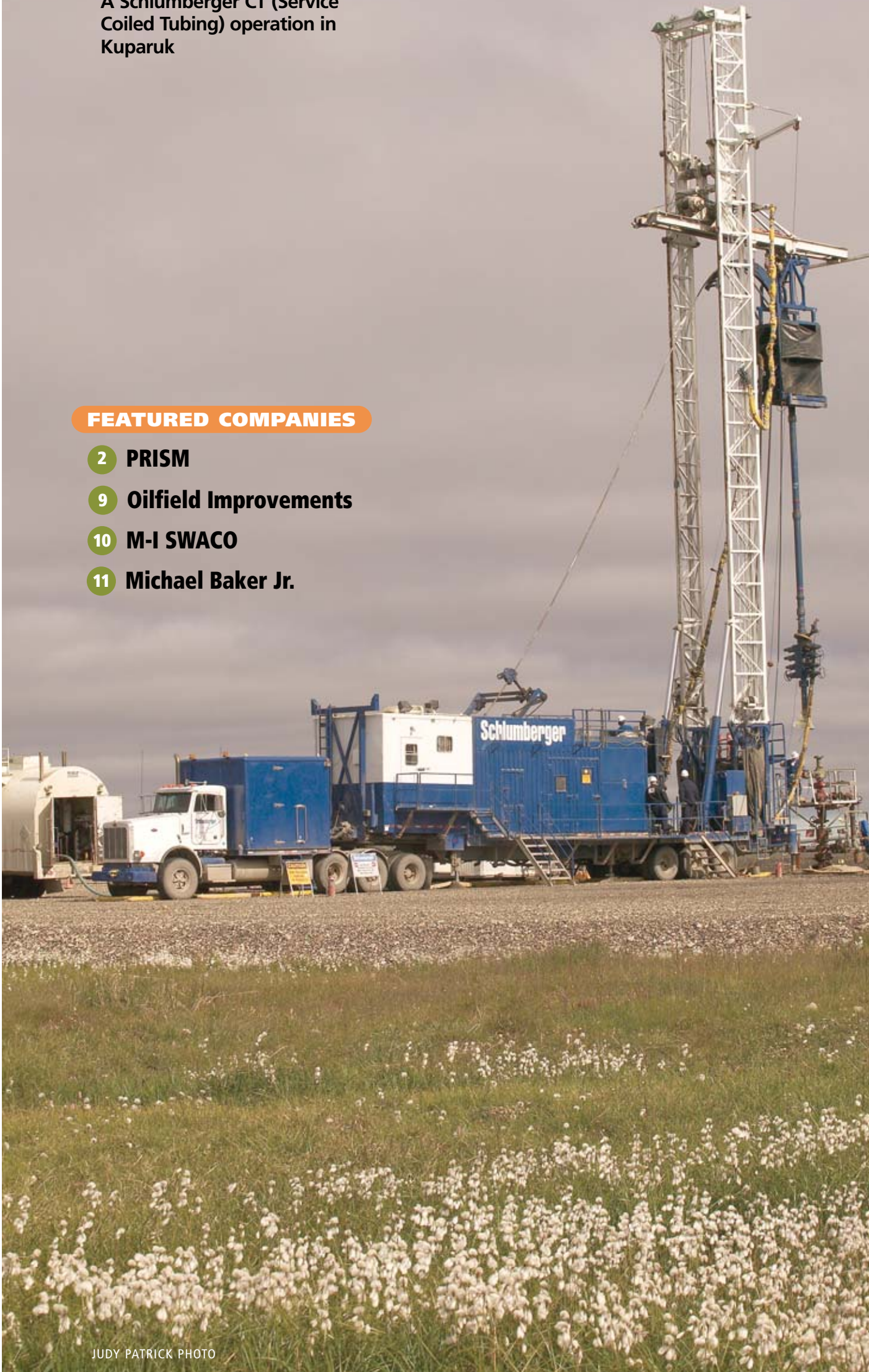
Providing information about companies that serve North America's oil and gas industry

UpFront

A Schlumberger CT (Service Coiled Tubing) operation in Kuparuk

FEATURED COMPANIES

- 2 PRISM
- 9 Oilfield Improvements
- 10 M-I SWACO
- 11 Michael Baker Jr.



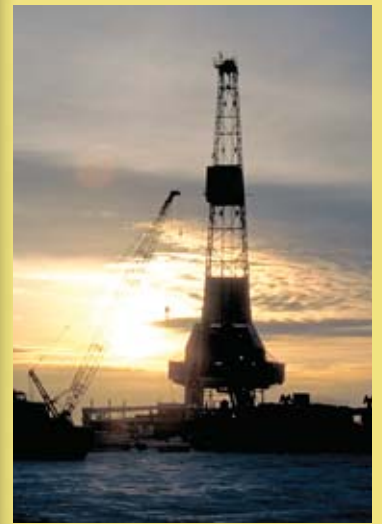
JUDY PATRICK PHOTO

B

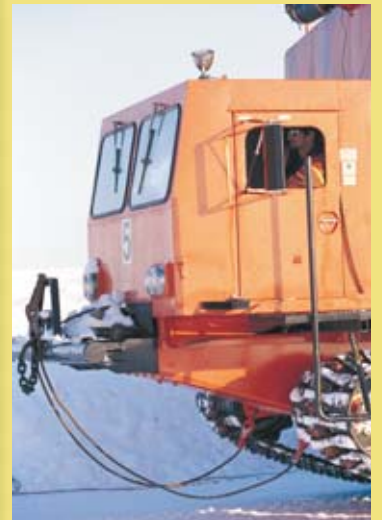
section

www.PetroleumNews.com

ALASKA



CANADA



CONTINENTAL U.S.



Petroleum
news

Volume 9, No. 33
August 2004

A wide spectrum of safety-related training

PRISM's high-tech campus has established a role well beyond aircraft fire fighting

By **ALAN BAILEY**

Petroleum Directory Contributing Writer

Quickly and efficiently rescuing people from a major fire and extinguishing the flames requires courage, skill and a high degree of professionalism. In fact the response to any kind of emergency depends on qualified people who know exactly what they're doing.

That's the underlying philosophy behind the safety-related training that the Pacific Rim Institute of Safety and Management, known as PRISM, provides in its state-of-the-art training center in Kenai, Alaska. PRISM offers a wide range of courses and accredited certifications ranging from aircraft rescue fire fighting to health and safety. The training center's location near the Kenai airport enables convenient access from elsewhere in Alaska and around the Pacific Rim.

"(The PRISM Training Center) is a public/private partnership between AAI Engineering Support Inc. and the City of Kenai," Patrick Truitt, director of logistics programs at AAI Engineering Support Inc. told Petroleum News. "It has been jointly funded by the federal government, the State of Alaska, the City of Kenai and AAI Engineering Support Inc."

AAI Engineering Support Inc. is a major worldwide provider of technical and training services for government and industry. It is headquartered in Hunt Valley, Md. David Burnett of Kenai is the onsite director of the PRISM facility.

Opened in 1998

The PRISM Training Center opened in 1998 in response to a federal directive to start using so-called hot-fire trainers for mandated airport fire training, Truitt said. Hot-fire trainers use propane fueled burners to simulate aircraft and industrial fires, instead of the traditional practice of creating a fire by burning various fossil fuels.

"Alaska was one of the 13 states that was selected to host one of these (hot-fire) sites," Truitt said. The hot-fire



The PRISM Training Center in Kenai, Alaska, opened in 1998 in response to a federal directive to start using so-called hot-fire trainers for mandated airport fire training.

The other airplane mock-up sits at the center of a fire pit that uses liquid propane to simulate a fuel spill fire from a crashed airplane.

"The fire pit itself is 125 feet in diameter and uses 800 gallons a minute of liquid propane," Burnett said. "The liquid propane can reach temperatures in excess of 1,800 degrees — it all depends on how you apply your (fire fighting) agent."

PRISM's outdoor industrial structure simulates the type of fire emergencies that you would find in oil fields.

"If there's a fuel spill they might come in with foam," Truitt said. "We use a training foam that's very realistic but that's not harmful to the environment."

Sensors in the mock-ups measure the direction and proximity of the foam or water so that the computer can determine when to turn off the flames.

"That allows the computer to sense that the students are applying the agent the correct way," Truitt said. "If they are doing it incorrectly, the fire will not go out or it will re-flash."

Industrial interior fires

A building with natural gas burners enables instructors to create many types of interior fires.

"The industrial interior building is three stories in height," Burnett said. "It houses three props — a bilge pump, a generator fire and a commercial kitchen."

The props can represent different types of rooms. For example, the kitchen can simulate a domestic kitchen or a kitchen on a boat, as well as an industrial situation, Truitt said. Instructors can also set up a smoke maze in the building, so that people can practice confined space rescues in poor visibility — smoke generators create artificial smoke that's not dirty or toxic.

Although the fire simulators can produce some spectacular blazes, the use of gas burners ensures the safety of all participants in the training.

"If anything goes wrong we can instantly shut it down," Truitt said. "If someone panics there are buttons (throughout the facilities) that they can push within an arms length to shut it down."

Broad range of courses

The training center's schoolhouse with its high-tech classrooms supplements the fire fighting facilities and supports a huge range of safety-related courses — the scope of the training extends a long way beyond just aircraft fire

fighting.

"We have a fully accredited firefighter 1 and firefighter 2 academy," Truitt said. "It's (also) fully certified on basic safety training. We do full seafarer's (safety) training. We have a lot of courses that are geared for petroleum, mining and other general industry ... right down to 'how do you drive a forklift truck?'"

The complete range of courses includes topics such as hazardous materials, hazardous painting, emergency medical technician, first aid and the use of the incident command system. PRISM offers a U.S. Coast Guard approved marine safety curriculum.

The training center provides many practical training classes as well as national and Alaska state certifications.

"We do all the safety management courses," Truitt said. "(People) have to have certifications in first aid and in fire fighting." Other certifications for industrial environments include forklift operation, rigging and hazardous material handling, he said.

In fact PRISM has teamed up with Beacon Occupational Health and Safety Services Inc. to provide a complete suite of work-related health screening and safety training services.

The Training Center provides student record management, so that their training and certification status can be determined.

Expanding customer base

Presently the training center serves municipal fire departments and most of the airports in Alaska. The military has also trained at the PRISM facility.

"The Air Force actually brings in their staff and their fire equipment in a C-130 ... and use our burn facilities," Truitt said.

PRISM provides safety training and certification for personnel from several major companies in the Alaska oil industry. PRISM plans to continue growing its business by expanding its curricula to include those associated with new areas of industrial training such as issues involved with homeland security.

The center is also anxious to build on its public/private ownership by continuing its excellent relationship with the City of Kenai and forging closer relationships with both the State of Alaska and the federal government — marine safety and homeland security seem obvious areas in which PRISM could help.

It's all a question of equipping people with the skills for dealing with safety issues.

"Safety and Safety Management Training — that's what we do," Truitt said. ●

Editor's note: Alan Bailey owns Badger Productions in Anchorage, Alaska.



The hot-fire trainer facility at the PRISM campus uses propane from a large tank in an underground bunker. The propane flows through nozzles distributed in two aircraft mock-ups

trainer facility at the PRISM campus uses propane from a large tank in an underground bunker. The propane flows through nozzles distributed in two aircraft mock-ups, a mock-up of an outdoor industrial facility and a building for interior structure fires.

"It's all computer controlled — all electronic valving for the propane," Truitt said. "We have a set of computer controls that control all the different burners completely across all of the facilities."

An operator in the facility's control center manages the fires from a computer console. The computer has been programmed to trigger the appropriate propane valves for many different fire scenarios. One airplane mock-up, for example, consists of a simulated Boeing 737, configured to create 10 types of airplane fire, including engine and cabin fires.

"(Let's say) I'm in the airplane and I'm going to have an aircraft engine fire," Truitt said. "We just program the engine fire, where we want it and when to start it."

Companies involved in North America's oil and gas industry

A

Aeromap
 Aeromed
 AES Lynx Enterprises
 Agrium
 Air Liquide
 Air Logistics of Alaska
 Alaska Airlines Cargo
 Alaska Anvil
 Alaska Coverall
 Alaska Dreams
 Alaska Interstate Construction
 Alaska Marine Lines
 Alaska Massage & Body Works
 Alaska Railroad Corp.
 Alaska Steel
 Alaska Tent & Tarp
 Alaska Terminals
 Alaska Textiles
 Alaska West Express
 Alliance, The
 Alpine-Meadow
 American Marine
 Anchorage Hilton
 Arctic Controls
 Arctic Fire & Safety
 Arctic Foundations
 Arctic Slope Telephone Assoc. Co-op
 Arctic Structures
 ASRC Energy Services
 ASRC Energy Services
 Engineering & Technology
 ASRC Energy Services
 Operations & Maintenance
 ASRC Energy Service
 Pipeline Power & Communications
 Avalon Development

B-F

Badger Productions
 Baker Hughes
 Brooks Range Supply
 Capital Office Systems
 Carlile Transportation Services
 Carolina Mat
 CH2M Hill
 Chiulista Camp Services
 CN Aquatrain
 Colville
 Conam Construction
 ConocoPhillips Alaska
 Craig Taylor Equipment
 Crowley Alaska
 Cruz Construction
 Dowland - Bach Corp.

Doyon Drilling
 Doyon LTD
 Doyon Universal
 Dynamic Capital Management
 Engineered Fire and Safety
 ENSR Alaska
 Epoch Well Services
 Era Aviation
 Evergreen Helicopters of Alaska
 Fairweather Companies, The
 FMC Energy Systems
 Friends of Pets
 Frontier Flying Service
 F.S. Air

G-M

Golder Associates
 Great Northern Engineering
 Great Northwest
 Hanover Canada
 Hawk Consultants
 H.C. Price
 Hunter 3D
 Industrial Project Services
 Inspirations
 Jackovich Industrial
 & Construction Supply
 Judy Patrick Photography
 Kakivik Asset Management
 Kenai Aviation
 Kenworth Alaska
 Kuukpik Arctic Catering
 Kuukpik/Veritas
 Kuukpik - LCMF
 Lounsbury & Associates
 Lynden Air Cargo
 Lynden Air Freight
 Lynden Inc.
 Lynden International
 Lynden Logistics
 Lynden Transport
 Mapmakers of Alaska
 Marathon Oil
 Marketing Solutions
 Mayflower Catering
 MEDC International
 MI Swaco
 Michael Baker Jr.
 MWH
 MRO Sales

N-P

Nabors Alaska Drilling
 Nabors Industries
 NANA/Colt Engineering

Natco Canada
 Nature Conservancy, The
 NEI Fluid Technology
 NIED LLC
 Nordic Calista
 North Slope Telecom
 Northern Air Cargo
 Northern Transportation Co.
 Northwestern Arctic Air
 Offshore Divers
 Oilfield Improvements
 Oilfield Transport
 Pacific Rim Institute
 of Safety and Management
 (PRISM)
 Panalpina
 PDC/Harris Group
 Peak Oilfield Service Co.
 Penco
 Perkins Coie
 Petroleum Equipment & Services
 Petrotechnical Resources of Alaska
 PGS Onshore
 Prudhoe Bay Shop & Storage

Q-Z

QUADCO
 Renew Air Taxi
 Salt + Light Creative
 Schlumberger
 Security Aviation
 Seekins Ford
 Smith Consulting Services
 Span-Alaska Consolidator
 Spenard Builders Supply
 STEELFAB
 Storm Chasers Marine Services
 Taiga Ventures
 Thrifty Car Rental
 TOTE
 Totem Equipment & Supply
 Travco Industrial Housing
 UBS Financial Services Inc.
 Udelhoven Oilfield Systems Services
 Umiat Commercial
 Unique Machine
 Unitech of Alaska
 Univar USA
 U.S. Bearings and Drives
 Usibelli Coal Mine
 VECO
 Weaver Brothers
 Worksafe
 Well Safe
 XTO Energy

Air Passenger/Charter & Support

Air Logistics of Alaska

1915 Donald Ave.
Fairbanks, AK 99701
Phone: (907) 452-1197
Fax: (907) 452-4539
Contact: Dave Scarbrough
Phone: Anchorage: (907) 248-3335
Email: dscarbrough@airlogak.com
Helicopter contract and charter services.

ERA Aviation

6160 Carl Brady Drive
Anchorage, AK 99502
Contact: Bryan Blixhavn
Phone: (907) 248-4422
Fax: (907) 266-8383
Email: info@eraaviation.com
Web site: www.eraaviation.com
Helicopter and fixed wing contract and charter services; scheduled airline service.

Evergreen Helicopters of Alaska

1936 Merrill Field Drive
Anchorage, AK 99501
Contact: Joy Journeay, marketing mgr.
Phone: (907) 257-1519
Fax: (907) 257-1535
Email: joy@evergreenak.com
Contact: Greg Thies, director, marketing
Phone: (907) 257-1504
Email: g.thies@evergreenak.com
Contact: Christina Wallace, director, sales
Phone: (907) 257-1513
Email: christina.wallace@evergreenaviation.com
Nome office: (907) 443-5334
Airlines office: (907) 257-1500
Website: evergreenaviation.com
Evergreen's diverse fleet has provided award-winning safety to Alaskans since 1960 in petroleum exploration & production, firefighting, forestry, construction, search & rescue, cargo transport, and utility transmission.

F.S. Air

6121 S. Airpark Place
Anchorage, AK 99502
Contact: Sandra Butler
Phone: (907) 248-9595
Fax: (907) 243-1247
Email: subtler@fsair.com
Web site: www.fsair.com
Part 135 D.O.D. approved. Member of Medallion Foundation.

Kenai Aviation

P.O. Box 46
Kenai, AK 99611
Contact: Bob or Jim Bielefeld
Phone: (907) 283-4124
Phone: (800) 478-4124 (within Alaska)
Fax: (907) 283-5267
Email: kb@chugach.net
Air taxi services provided since 1961 state wide, mostly Cook Inlet. Single engine and twin Bonanza.

Lynden

Alaska Marine Lines
Alaska Railbelt Marine
Alaska West Express
Lynden Air Cargo
Lynden Air Freight
Lynden International
Lynden Logistics
Lynden Transport
6441 S. Airpark Pl.
Anchorage, AK 99502
Contact: Jeanine St. John
Phone: (907) 245-1544
Fax: (907) 245-1744
Email: custsvc@lynden.com
The combined scope of the Lynden companies includes truckload and less-than-truckload highway connections, scheduled barges, intermodal bulk chemical hauls, scheduled and chartered air freighters, domestic and international air forwarding and international sea forwarding services.

Northern Air Cargo

3900 W. International Airport Rd.
Anchorage, AK 99502
Contact: Nick Karnos, acct. mgr. Anch./Prudhoe Bay
Phone: (907) 249-5161
Fax: (907) 249-5194
Email: nkarnos@nac.aero
Web site: www.nac.aero

Serving the aviation needs of rural Alaska for almost 50 years, NAC is the states largest all cargo carrier moving nearly 100 million pounds of cargo on scheduled flights to 17 of Alaska's busiest airports. NAC's fleet of DC-6, B-727, and ATR-42 aircraft are available for charters to remote sites and flag stops to 44 additional communities.

Northwestern Arctic Air

6231 S. Airpark Pl.
Anchorage, AK 99502
Contact: Judy McClellan, office mgr.
Phone: (907) 245-4566

Directory Categories

SERVICES, EQUIPMENT & SUPPLIES

| | |
|--|------|
| Air Passenger/Charter & Support | .B4 |
| Architecture | .B4 |
| Arctic Engineering | .B4 |
| Arctic Gear | .B5 |
| Aviation Fuel Sales | .B5 |
| Bearings | .B5 |
| Buildings – Lease Space | .B5 |
| Buildings – Modular | .B5 |
| Camps, Catering & Lodging | .B5 |
| Cash Management | .B5 |
| Cellular Communications | .B5 |
| Chemicals | .B5 |
| Chemical Analytical Lab | .B5 |
| Civil & Hazardous Waste | .B5 |
| Coal – Export | .B5 |
| Commercial Diving | .B6 |
| Communications | .B6 |
| Construction Equipment & Materials | .B6 |
| Construction Project Management | .B6 |
| Consulting | .B7 |
| Contractors - General | .B7 |
| Contractors - Pipeline | .B7 |
| Control Systems | .B7 |
| Corrosion Analysis | .B7 |
| Drilling & Well Services | .B7 |
| Drug Testing | .B8 |
| Electrical | .B8 |
| Employee Services | .B8 |
| Energy Services | .B8 |
| Engineering Services | .B8 |
| Environmental Engineering & Consulting | .B12 |
| Environmental Response & Cleanup | .B12 |
| Environmental Supplies | .B12 |
| Equipment & Heavy Hauling | .B12 |
| Equipment Sales/Rental | .B13 |
| Expeditor/Clerk Services | .B13 |
| Fertilizer | .B13 |
| Financial Services | .B13 |
| Fire Protection | .B13 |
| Freight/Shipping & Cargo | .B13 |
| Fueling Services | .B14 |
| General Oilfield Supplies | .B14 |
| Geophysical & Geological Services | .B14 |
| Health Care Professionals | .B15 |
| Helicopter Contract/Charter Services | .B15 |
| Industrial Gases | .B15 |
| Industrial Parts & Supply | .B15 |
| Inspection Services | .B15 |
| Instrumentation Systems | .B15 |
| Laboratory Services | .B15 |
| Legal Services | .B15 |
| Lodging | .B15 |

Fax: (907) 245-4567
Email: pugslic@pobox.alaska.net
Web site: www.NWArcticAirAK.com
On-demand, worldwide, air charter service, Russia Far-East experience, medical transports, express package delivery, secure convenient, cost-effective, 24/7. Member Medallion Foundation.

Renew Air Taxi

P.O. Box 61230
Fairbanks, AK 99706
Contact: Bob Wener
Phone: (907) 457-7287
Fax: (907) 457-7288
Email: renew1@aol.com
Web site: www.RenewAir.com
Other Office:

Dillingham, AK 99576
Phone: (907) 842-3440
Turbine Otter air support for remote seismic exploration, mining and construction sites. Cargo, fuel and passengers on wheels, wheel skis and amphibian floats.

Security Aviation

3600 International Airport Rd.
Anchorage, AK 99502
Contact: S. Joe Kapper
Phone: (907) 248-2677 – 24 hour service
Fax: (907) 248-6911
Email: admin@securityaviation.biz
Website: www.securityaviation.biz
All twin engine aircraft including Citation-II business jet. Crew changes, hot freight-worldwide, VIP tours, emergency response. Approved by all oil companies, Alyeska & DOD.

Architecture

Kuukpik-LCMF

139 E. 51st Ave.
Anchorage, AK 99503
Contact: Richard Rearick, architectural mgr.

| | |
|---|------|
| Logistics | .B15 |
| Machining | .B16 |
| Maintenance | .B16 |
| Management Consulting | .B16 |
| Maps | .B16 |
| Marine Services & Construction | .B16 |
| Mat Systems | .B16 |
| Mechanical & Electrical Inspection | .B16 |
| Medical Facilities & Emergency Response | .B16 |
| Meetings & Conventions | .B16 |
| Metal Distributors | .B16 |
| Mining | .B16 |
| Movers/Relocation | .B17 |
| Mud & Mudlogging | .B17 |
| Office Furniture | .B17 |
| Oilfield Service & Rig Up | .B17 |
| On-site Medical Services | .B17 |
| Photography | .B17 |
| Pipe & Fittings | .B17 |
| Pipeline Maintenance | .B17 |
| Plumbing | .B17 |
| Process Equipment | .B17 |
| Procurement Services | .B17 |
| Production Equipment | .B17 |
| Real Estate | .B17 |
| Recycling Waste Management | .B17 |
| Reporting Software | .B18 |
| Right of Way Maintenance | .B18 |
| Safety Equipment & Supplies | .B18 |
| Security | .B18 |
| Seismic & Geophysical | .B18 |
| Shops/Storage Space | .B18 |
| Soil Stabilization | .B18 |
| Space Design/Planning | .B18 |
| Steel Fabrication | .B18 |
| Steel Sales | .B18 |
| Surveying & Mapping | .B18 |
| Tank Fabrication | .B19 |
| Telephone Equipment & Sales | .B19 |
| Temporary Placement Services | .B19 |
| Training | .B19 |
| Underwater NDT & Photography | .B19 |
| Underwater Welding | .B19 |
| Vehicle Repair | .B19 |
| Vehicle Sales/Rental | .B19 |
| Welding | .B19 |
| Weld Repairs/Manufacturing | .B19 |

OIL COMPANIES

| | |
|-----------|------|
| Operators | .B19 |
|-----------|------|

Contact: Willey Wilhelm, engineering mgr.

Contact: Tony Hoffman, survey mgr.

Phone: (907) 273-1830

Phone: (800) 955-1830

Fax: (907) 273-1831

Email: lcmfan@alaska.net

Other Offices:

Barrow: (800) 478-8213

Email: ktoovak@lcmf.com

Alpine: (907) 670-4739

Email: alp1035@ppco.com

Arctic specialized architectural and engineering design for all structures; water/sewer, fuel and transportation systems design; contractor support surveying and permitting for oil and gas development; dredging operations, remote site land and hydrographic surveying.

Arctic Engineering

ASRC Energy Services

3900 C St., Ste. 701
Anchorage, AK 99503
Contact: Jack Laasch, exec. vp strategic dev. and external affairs
Phone: (907) 339-6200
Fax: (907) 339-6212
Email: jack.laasch@asrcenergy.com
Web site: www.asrcenergy.com
Oil and gas services, engineering, construction, operations, maintenance, pipeline construction and maintenance, project management, geological and geophysical, drilling and completion engineering, well stimulation, exploration services.

ASRC Energy Services – Engineering and Technology

3900 C St.
Anchorage, AK 99503
Contact: John Lewis, vp operations
Phone: (907) 339-6200
Fax: (907) 339-6212
Email: john.lewis@asrcenergy.com

Web site: www.asrcenergy.com
Drilling and completion engineering, well stimulation, facilities engineering, upstream exploration and production services, geological and geophysical services, automation, electrical and instrumentation, platform renovation and construction.

Golder Associates

1750 Abbott Rd., Ste. 200
 Anchorage, AK 99507
 Contact: Bob Dugan, mgr., Tom Krzewinski, Mark Musial, Bucky Tart
 Phone: (907) 344-6001
 Fax: (907) 344-6011
 Website: www.golder.com
Providing geotechnical engineering, water resource, and geosciences services in support of resource development projects in Alaska and the Arctic. Other offices worldwide.

Great Northern Engineering

137 E. Arctic Ave.
 Palmer, AK 99645
 Contact: John H. Riggs, general mgr.
 Phone: (907) 745-6988
 Fax: (907) 745-0591
 Email: gne@mtaonline.net
 Website: www.greatnorthernengineering.com
 Anchorage office: 561-0200
 Kenai office: 283-5199
Great Northern Engineering (GNE) is a full-service engineering firm specializing in industrial power and petro-chemical engineering. Complete engineering services in mechanical, electrical, civil, structural, rotating equipment, and corrosion engineering. Consulting services in project design, preparation of project documents, bid assistance, project management, cost estimating and inspection services.

Arctic Gear

PGS Onshore

341 W. Tudor Rd., Ste. 206
 Anchorage, AK 99503
 Contact: Larry Watt, Alaska area mgr.
 Phone: (907) 569-4049
 Fax: (907) 569-4047
 Email: larry.watt@pgsonshore.com
 Houston Office
 738 Hwy 6 South, Ste 900
 Houston, TX 77079
 Contact: Gehrig Schultz
 Phone: (281) 589-6732
 Fax: (281) 589-6685
 Email: gehrig.schultz@pgsonshore.com
Geophysical acquisition and processing for the petroleum industry. PGS Onshore provides fully rubber tracked Arctic geophysical crews to acquire the highest density data with the softest environmental footprint on the North Slope.

Aviation Fuel Sales

Umiat Commercial

2700 S. Cushman St.
 Fairbanks, AK 99701
 Contact: Mike Tolbert
 Phone: (907) 452-6631
 Fax: (907) 451-8632
 Email: mike@taigaventures.com
UCC provides lodging and fuel sales at Umiat located on the Colville River. We are open 24 hours a day everyday of the year.

Bearings

U.S. Bearings & Drives

611 E. International Airport Rd.
 Anchorage, AK 99518
 Contact: Dena Kelley, operations mgr.
 Phone: 563-3000
 Fax: 563-1003
 Email: dkelley@bearings.com
 Web site: www.bearings.com
U.S. Bearings & Drives, formerly BESCO has been providing bearings and drive components to our Alaskan customers since 1952. We offer quality components and experienced personnel.

Buildings — Lease Space

Prudhoe Bay Shop & Storage

Deadhorse Airport
 Deadhorse, AK 99734
 Contact: J. Harper Gaston, president
 P.O. Box 670
 Greenville, GA 30222
 Phone: (706) 672-0999

Notice to advertisers

Companies contracted to advertise in Petroleum News are invited to supply color or black and white photos for this directory. Contact Wadeen Hepworth for details: Call (907) 770-3506, email wheworth@PetroleumNews.com or submit photos or slides by mail to Wadeen's attention at Petroleum News, P.O. Box 231651, Anchorage, AK 99523. All photos should be accompanied by a caption explaining when the picture was taken and describing what's in it.

Fax: (706) 672-1188
 Email: jrlcr@numail.org
Space designed for oilfield services. Located one-half mile north of Deadhorse airport. 800 sf.-1,200 sf. individual or combined units. Rent includes heat, snow removal, maintenance and repairs.

Buildings — Modular

Alaska Cover-All LLC

6740 Jollipan Crt.
 Anchorage, AK 99507
 Contact: Paul Nelson, mgr.
 Phone: (907) 346-1319
 Fax: (907) 346-4400
 Email: paul@alaskacoverall.com
 Contact: Henry Brown
 Phone: (907) 646-1219
We are the Alaska dealers for Cover-All Building Systems. Steel framed, fully engineered, LDPE fabric covered, portable buildings in 18 to 270 foot widths and any length.

Alaska Dreams

522 Goldstreak Rd.
 Fairbanks, AK 99712
 Contact: M. Huser, president
 Phone: (907) 455-7712
 Fax: (907) 455-7713
 Email: AlaskaDreams@att.net
Specialized in design, sales and construction of fabric covered steel buildings, a cost efficient building solution for many applications. We offer our worldwide, longtime experience for your future project.

Arctic Structures

9312 Vanguard Dr., Ste. 200
 Anchorage, AK 99507
 Contact: Ray Gipson
 Phone: (907) 522-2425
 Fax: (907) 522-2426
 Email: raygipson@arcticstructures.com
Camps, offices, classrooms, clinics, etc. — large inventory of modular buildings for rent/sale or custom build — MANUFACTURED IN ALASKA. Supply/erect pre-engineered metal buildings.

Travco Industrial Housing, Ltd.

1507 8 St.
 Nisku, Alberta, Canada
 Contact: Stewart Orange, sales rep.
 Phone: (888) 387-2826
 Fax: (780) 955-8938
 Email: sorange@ptigroup.com
 Web site: www.travco.ca
Travco is a world-class manufacturer of industrial and commercial modular structures. Our modular structures are used around the world as work camps, offices, wellsites, resorts, schools, etc.

Camps, Catering & Lodging

Alaska Tent & Tarp

529 Front St.
 Fairbanks, AK 99701
 Contact: Jim Haselberger
 Phone: (907) 456-6328
 Fax: (907) 452-5260
 Email: aktent@ptialaska.net
 Web site: www.ptialaska.net/~aktent

Arctic Structures

9312 Vanguard Dr., Ste. 200
 Anchorage, AK 99507
 Contact: Ray Gipson
 Phone: (907) 522-2425
 Fax: (907) 522-2426
 Email: raygipson@arcticstructures.com
Camps, offices, classrooms, clinics, etc. — large inventory of modular buildings for rent/sale or custom build — MANUFACTURED IN ALASKA. Supply/erect pre-engineered metal buildings.

Chiulista Camp Services/Mayflower Catering

6613 Brayton Dr., Ste. C
 Anchorage, AK 99507
 Contact: George B. Gardner, pres/gm
 Phone: (907) 278-2208

Fax: (907) 677-7261
 Email: ggardner@calistacorp.com
The 100 percent Alaska Native owned and operated catering company on the North Slope, catering and housekeeping to your tastes, not ours.

Doyon Ltd. Doyon Universal Services

101 W. Benson Blvd., Ste. 503
 Anchorage, AK 99503
 Contact: Mark Huber, general mgr.
 Phone: (907) 522-1300
 Fax: (907) 522-3531
 Website: www.doyon.com
Doyon Universal Services provides remote site catering and camp services throughout Alaska. They also provide security service for the Trans Alaska Pipeline and other prominent locations.

Kuukpik Arctic Catering

5761 Silverado Way, Ste P
 Anchorage, AK 99518
 Contact: Rick MacMillan
 Phone: (907) 562-5588
 Fax: (907) 562-5898
 Email: rickkac@aol.com

Travco Industrial Housing, Ltd.

1507 8 St.
 Nisku, Alberta, Canada
 Contact: Stewart Orange, sales rep.
 Phone: (888) 387-2826
 Fax: (780) 955-8938
 Email: sorange@ptigroup.com
 Web site: www.travco.ca
Travco is a world-class manufacturer of industrial and commercial modular structures. Our modular structures are used around the world as work camps, offices, wellsites, resorts, schools, etc.

Umiat Commercial

2700 S. Cushman St.
 Fairbanks, AK 99701
 Contact: Mike Tolbert
 Phone: (907) 452-6631
 Fax: (907) 451-8632
 Email: mike@taigaventures.com
UCC provides lodging and fuel sales at Umiat located on the Colville River. We are open 24 hours a day everyday of the year.

Cash Management

UBS Financial Services, Inc.

3000 A St., Ste 100
 Anchorage, AK 99503
 Contact: Steven Lukshin, financial adviser
 Phone: (907) 261-5914
 Toll Free: (866) 261-5914
 Fax: (907) 261-5990
 Email: steven.lukshin@ubs.com
 Web site: www.ubs.com/fa/stevenlukshin
UBS Financial Services is a leading U.S. financial service firm serving individuals, corporations and institutions offering investments, cash management and 401(k) services

Cellular Communications

ASTAC

4300 B St., Ste. 501
 Anchorage, AK 99503
 Contact: Erin Ealum
 Phone: (907) 563-3989
 Phone: 1-800-478-6409
 Fax: (907) 563-1932
 Email: info@astac.net
Full service cellular company providing cellular and wireless solutions, including equipment sales and service, wireless Internet, maintenance and installation to the North Slope region of Alaska.

Chemicals

Agrium

P.O. Box 575
 Kenai, AK 99611
 Contact: Lisa Parker, govt. relations
 Phone: (907) 776-3275

Fax: (907) 776-5579
 Email: lparker@agrium.com
 Web site: www.agrium.com
Value added manufacturer of fertilizer products.

MI SWACO

721 W. First Ave.
 Anchorage, AK 99501 &
 225 W. 92nd Ave.
 Anchorage, AK 99515
 Contact: Craig Bieber
 Phone: (907) 274-5564
 Email: mialaska@alaska.net or dsr@alaska.net
MI SWACO DSR combines Alaska know-how and global strength to provide the oil industry with a full-service drilling partner

Univar USA

590 E. 100th Ave.
 Anchorage, AK 990515
 Contact: Ken Lambertsen
 Phone: (907) 344-7444
 Fax: (907) 522-1486
 Email: Ken.Lambertsen@univarusa.com
 Web site: www.univarusa.com
World's largest industrial chemical distributor serving Alaskans since 1924. Industrial emphasis in oil and gas refining, procuring and gas treating.

U.S. Bearings & Drives

611 E. International Airport Rd.
 Anchorage, AK 99518
 Contact: Dena Kelley, operations mgr.
 Phone: 563-3000
 Fax: 563-1003
 Email: dkelley@bearings.com
 Web site: www.bearings.com
U.S. Bearings & Drives, formerly BESCO has been providing bearings and drive components to our Alaskan customers since 1952. We offer quality components and experienced personnel.

Chemical Analytical Lab

Univar USA

590 E. 100th Ave.
 Anchorage, AK 990515
 Contact: Ken Lambertsen
 Phone: (907) 344-7444
 Fax: (907) 522-1486
 Email: Ken.Lambertsen@univarusa.com
 Web site: www.univarusa.com
World's largest industrial chemical distributor serving Alaskans since 1924. Industrial emphasis in oil and gas refining, procuring and gas treating.

Civil & Hazardous Waste

MWH

1835 S. Bragaw St., Ste. 350
 Anchorage, AK 99508
 Contact: Brett Jokela
 Phone: (907) 248-8883
 Fax: (907) 248-8884
 Email: Brett.Jokela@mwhglobal.com
The engineers, scientists, and constructors of MWH provide innovative projects and solutions for clients throughout Alaska and Worldwide.

Univar USA

590 E. 100th Ave.
 Anchorage, AK 990515
 Contact: Ken Lambertsen
 Phone: (907) 344-7444
 Fax: (907) 522-1486
 Email: Ken.Lambertsen@univarusa.com
 Web site: www.univarusa.com
World's largest industrial chemical distributor serving Alaskans since 1924. Industrial emphasis in oil and gas refining, procuring and gas treating.

Coal — Export

Usibelli Coal Mine

100 Cushman St., Ste. 210
 Fairbanks, AK 99701
 Contact: Bill Brophy, vp cust. relations
 Phone: (907) 452-2625
 Fax: (907) 451-6543
 Email: info@usibelli.com
 Web site: www.usibelli.com
 Other Office
 P. O. Box 1000
 Healy, AK 99743
 Phone: (907) 683-2226
Usibelli Coal Mine is headquartered in Healy, Alaska and has 200 million tons of proven coal reserves. Usibelli produced one million tons of sub-bituminous coal this year.

Commercial Diving

American Marine Corp.

6000 A St.
Anchorage, AK 99518
Contact: Tom Ulrich, reg. mgr. svc. group
Phone: (907) 562-5420
Fax: (907) 562-5426
Email: alaska@amsghq.com
Web site: www.amsghq.com
American Marine Corp. provides full service marine construction and diving services throughout Alaska and the Pacific Basin.

Offshore Divers

5400 Eielson St.
Anchorage, AK 99518
Contact: Don Ingraham, owner/mgr.
Contact: Leif Simcox, owner/oper. mgr.
Phone: (907) 563-9060
Fax: (907) 563-9061
Email: don@offshoredivers.com
Web site: http://www.offshoredivers.com
Offshore Divers is an Alaska owned diving contractor specializing in sub-sea oil-field work on mooring systems, pipelines, platforms and docks in Cook Inlet, on the North Slope and in Valdez.

Storm Chasers Marine Services

P.O. Box 757
Seward, AK 99664
Contact: Mica Van Buskirk
Phone: (907) 224-3536
Fax: (907) 224-6080
Email: sci@seward.net
Providing quality marine services in Alaska for over 15 years. Commercial diving, underwater welding, underwater inspection with video, vessel repair, marine construction and marine salvage services.

Communications

ASRC Energy Services – Pipeline, Power & Communications

3900 C St.,
Anchorage, AK 99503
Contact: Wade Blasingame
Phone: (907) 339-6400
Fax: (907) 339-6444
Email: wade.blasingame@asrcenergy.com
Web site: www.asrcenergy.com
Pipeline construction and maintenance, fiber optic cable installation.

ASTAC

4300 B St., Ste. 501
Anchorage, AK 99503
Contact: Erin Ealum
Phone: (907) 563-3989
Phone: 1-800-478-6409
Fax: (907) 563-1932
Email: info@astac.net
Providing local and long distance service, Internet, maintenance and training, consultation, installation, engineering, Centrex, custom calling features, digital cross connect service, and digital data service to the North Slope region of Alaska.

Marketing Solutions

3330 C. St., Ste. 101
Anchorage, AK 99503
Contact: Laurie Fagnani,

president/owner
Phone: (907) 569-7070
Fax: (907) 569-7090
Email: lfagnani@marketingsol.net
Web site: www.marketingsol.net
Marketing Solutions is a full-service award-winning advertising and public relations firm that promotes clients in the industries statewide.

MEDC International

5829 West Sam Houston Pkwy, North, Ste. 1005
Houston, TX 77041
Contact: Phil Hausman, sales mgr. - Americas
Phone: (713) 937-9772
Fax: (713) 937-9773
Cell: (713) 410-1144
Email: phausman@medcint.com
Other Office: MEDC Ltd. - UK
Web site: www.medc.com
MEDC design, manufacture and sell a range of UL/CSA/ATEX-NEC/IEC approved field devices for fire & gas and communications systems for use in potentially explosive atmospheres.

Michael Baker Jr.

4601 Business Park Blvd., Ste. 42
Anchorage, AK 99503
Contact: Bud Alto, business unit mgr.
Phone: (907) 273-1600
Fax: (907) 273-1699
Email: jalto@mbakercorp.com
Web site: www.mbakercorp.com
Juneau office: 175 Franklin St., Ste. 420
Juneau, AK 99801
Contact: McKie Campbell, Sr. environmental mgr.
Phone: (907) 463-3171
Fax: (907) 463-3107
Email: mckie@gci.net
Multi-discipline firm with project management, permitting, fiber optic, civil, structural, mechanical, electrical, and instrumentation services. Established offices in Anchorage and Juneau provide diversified staff accepting the challenges, delivering excellence.

North Slope Telecom

2020 E. Dowling, Ste. 3
Anchorage, AK 99507
Contact: Bill Laxson, president
Phone: (907) 562-4693
Fax: (907) 562-0818
Email: info@nstiak.com
Web site: www.nstiak.com
Twenty years of arctic experience in design and installation of microwave, satellite, fiber optic, radio, paging, telephone equipment and systems. Tower construction, inspection and maintenance.

Construction Equipment & Materials

Alaska Dreams

522 Goldstreak Rd.
Fairbanks, AK 99712
Contact: M. Huser, president
Phone: (907) 455-7712
Fax: (907) 455-7713
Email: AlaskaDreams@att.net
As an independent Rockford steel build-

ing dealer we provide full service, industry leading hi-tech durable steel construction. The fully engineered and complete buildings guarantee fast and economical on site erection.

Brooks Range Supply

Pouch 340008
1 Old Spine Road
Prudhoe Bay, AK 99734
Contact: Mike Kunkel/Craig Welch, general managers
Phone: (907) 659-2550
Toll Free: (866) 659-2550
Fax: (907) 659-2650
Email: brooks@astacalaska.com
Your source on the Slope for safety supplies, welding supplies, automotive and truck parts, hardware, tools, steel, building materials, glass, propane, hydraulic hoses and fittings, paint and chemicals. Napa and True Value Hardware distribution.

Great Northwest

P.O. Box 74646
Fairbanks, AK 99704-4646
Contact: Buzz Otis
Phone: (907) 452-5617
Fax: (907) 456-7779
Email: info@grtnw.com
Web site: www.grtnw.com
Specializing in cold weather and heavy civil construction, gravel and rock products, site-work, petroleum industry construction, erosion control, underground utilities and reclamation services.

Jackovich Industrial & Construction Supply

Fairbanks: 1600 Wells St.
Attn: Buz Jackovich
Phone: (907) 456-4414
Fax: (907) 452-4846
Anchorage: 1716 Post Road
Attn: Steve Slone
Phone: (907) 277-1406
Fax: (907) 258-1700
24 hour emergency service. With 30 years of experience, we're experts on arctic conditions and extreme weather.

Spenard Builders Supply

4412 Lois Drive
Anchorage, AK 99517
Contact: Sean Langton
Phone: (907) 563-3141
Fax: (907) 261-9140
Email: slangton@sbsalaska.com
SBS is Alaska's largest source of building materials with 14 locations throughout the state. Specialized oil-field support provided through our Commercial Sales division.

Construction Project Management

Alaska Anvil

509 W. 3rd Ave.
Anchorage, AK 99501-2237
Contact: Frank Weiss
Phone: (907) 276-2747
Fax: (907) 279-4088
Web site: anvilcorp.com
Other office: Kenai
50720 Kenai Spur Hwy, Mile 24.5
Kenai, AK 99611

Phone: (907) 776-5870
Fax: (907) 770-5871
Multi-discipline engineering and design services including construction management for petro-chemical and heavy industrial client projects.

Doyon Ltd.

Doyon Universal Services
101 W. Benson Blvd., Ste. 503
Anchorage, AK 99503
Contact: Mark Huber, general mgr.
Phone: (907) 522-1300
Fax: (907) 522-3531
Website: www.doyon.com
Doyon Universal Services provides remote site catering and camp services throughout Alaska. They also provide security service for the Trans Alaska Pipeline and other prominent locations.

Great Northern Engineering

137 E. Arctic Ave.
Palmer, AK 99645
Contact: John H. Riggs, general mgr.
Phone: (907) 745-6988
Fax: (907) 745-0591
Email: gne@mtaonline.net
Website: www.greatnorthernengineering.com
Anchorage office: 561-0200
Kenai office: 283-5199
Great Northern Engineering (GNE) is a full-service engineering firm specializing in industrial power and petro-chemical engineering. Complete engineering services in mechanical, electrical, civil, structural, rotating equipment, and corrosion engineering. Consulting services in project design, preparation of project documents, bid assistance, project management, cost estimating and inspection services.

Great Northwest

P.O. Box 74646
Fairbanks, AK 99704-4646
Contact: Buzz Otis
Phone: (907) 452-5617
Fax: (907) 456-7779
Email: info@grtnw.com
Web site: www.grtnw.com
Specializing in cold weather and heavy civil construction, gravel and rock products, site-work, petroleum industry construction, erosion control, underground utilities and reclamation services.

Hawk Consultants

200 W. 34th Ave., Ste. 809
Anchorage, AK 99503
Contact: Maynard Tapp, president
Phone: (907) 278-1877
Fax: (907) 278-1889
Email: info@hawkpros.com
Providing people and resources to the oil, gas, power, telecommunication and public works industries. Services include strategic planning, full service project management team consulting/outourcing, supplemental professionals, professionals, management consulting services.

Lounsbury and Associates

723 W. 6th Ave.
Anchorage, AK 99501
Contact: Craig L. Savage, president
E-mail: csavage@lounsburyinc.com
Contact: Jim Sawhill, vp
Email: jsawhill@lounsburyinc.com



INSPIRATIONS

Hair & Nail Salon

We offer personalized service,
catering to the busy professional business person.

- 11am - 7pm (Late night appointments by pre-arrangement only)
- Each stylist has a separate, enclosed work area for your privacy and comfort



Deana and Beth

700 W. Northern Lights Blvd Anchorage, Alaska 99503

• Call for appointments • 561-9499

Mention this ad and receive a 10% discount on hair services!

Phone: (907) 272-5451
 Fax: (907) 272-9065
 Toll Free: (800) 478-5451
 Website: www.lounsburyinc.com
Provides civil engineering and project management services for oilfield development. Recent projects include: Tarn, Pam and Colville Delta North.

Michael Baker Jr.
 4601 Business Park Blvd., Ste. 42
 Anchorage, AK 99503
 Contact: John M. Eldred, business unit mgr.
 Phone: (907) 273-1115
 Fax: (907) 273-1699
 Email: jeldred@mbakercorp.com
 Website: www.mbakercorp.com
 Juneau office: 175 Franklin St., Ste. 420
 Juneau, AK 99801
 Contact: McKie Campbell, sr. environmental mgr.
 Phone: (907) 463-3171
 Fax: (907) 463-3107
 Email: mckie@gci.net
Engineering skills include civil, structural, mechanical, electrical, project management, GIS, and hydrology. Energy services include CMMS (computerized maintenance management), managed operation and maintenance, training/competency services, and other related energy services.

NANA/Colt Engineering
 700 G Street, 5th floor
 Anchorage, AK 99501
 Phone: (907) 273-3900
 Fax: (907) 273-3990
 Contact: John Minier
NANA/Colt offers project management, engineering, design, construction management, and procurement services to the oil industry.

VECO
 949 E. 36th Ave., Ste. 500
 Anchorage, AK 99508
 Contact: Emily Cross
 Phone: (907) 762-1510
 Fax: (907) 762-1001
 Email: emily.cross@veco.com
 Web site: www.VECO.com
VECO is a multi-national corporation that provides services, project management, engineering, procurement, construction, operations and maintenance – to the energy, resource and process industries and the public sector.

Consulting

CH2M HILL
 301 W. Northern Lights Blvd., Ste. 601
 Anchorage, AK 99516
 Contact: Kelly Sobczek
 Phone: (907) 646-0214
 Fax: (907) 257-2016
 Email: ksobczak@ch2m.com
 Website: www.ch2m.com
 Other Offices: World Wide
CH2M Hill is a global project delivery firm with services that span production, environmental permitting, treatment processes, technology and engineering, security, and operations and maintenance.

Kuukpik/Veritas
 2000 E. 88th Ave.
 Anchorage, AK 99507
 Contact: Jeff Hastings
 Phone: (907) 276-6037
 Fax: (907) 279-5740
 Email: Jeff_Hastings@VeritasDGC.com

Contractors — General

Alaska Interstate Construction
 P.O. Box 233769
 Anchorage, AK 99523
 Contact: John Ellsworth
 Phone: (907) 562-2792
 Fax: (907) 562-4179
 Email: info@aiclcl.com
 Website: www.aiclcl.com
AIC provides cost-effective solutions to resource development industries. We provide innovative ideas to meet each requirement through the provision of best-in-class people and equipment coupled with exceptional performance.

American Marine Corp.
 6000 A St.
 Anchorage, AK 99518
 Contact: Tom Ulrich, reg. mgr. svc. group
 Phone: (907) 562-5420
 Fax: (907) 562-5426

Email: alaska@amsghq.com
 Web site: www.amsghq.com
American Marine Corp. provides full service marine construction and diving services throughout Alaska and the Pacific Basin.

Arctic Structures
 9312 Vanguard Dr., Ste. 200
 Anchorage, AK 99507
 Contact: Ray Gipson
 Phone: (907) 522-2425
 Fax: (907) 522-2426
 Email: raygipson@arcticstructures.com
Camps, offices, classrooms, clinics, etc. – large inventory of modular buildings for rent/sale or custom build – MANUFACTURED IN ALASKA. Supply erect pre-engineered metal buildings.

ASRC Energy Services
 3900 C St., Ste. 701
 Anchorage, AK 99503
 Contact: Jack Laasch, exec. vp strategic dev. and external affairs
 Phone: (907) 339-6200
 Fax: (907) 339-6212
 Email: jack.laasch@asrcenergy.com
 Web site: www.asrcenergy.com
Oil and gas services, engineering, construction, operations, maintenance, pipeline construction and maintenance, project management, geological and geophysical, drilling and completion engineering, well stimulation, exploration services.

ASRC Energy Services – Operations and Maintenance
 3900 C St.
 Anchorage, AK 99503
 Contact: Mark Nelson, exec. vp
 Phone: (907) 339-6200
 Fax: (907) 339-6212
 Email: mark.nelson@asrcenergy.com
 Web site: www.asrcenergy.com
Oil and gas services, industrial construction, operations and maintenance, module fabrication and assembly, project management and non-destructive testing.

CONAM Construction
 301 W. Northern Lights Blvd., Ste 300
 Anchorage, AK 99503
 Contact: Bob Stinson
 Phone: (907) 278-6600
 Fax: (907) 278-3255
 Email: bstinson@conamco.com
Oil, gas, and mining facility; pipeline, civil, and commercial construction.

Cruz Construction
 HC04 Box 9323
 Palmer, AK 99645
 Contact: Dave or Dana Cruz
 Phone: (907) 746-3144
 Fax: (907) 746-5557
 Email: cruzco@alaska.net
General contractor specializing in heavy civil construction, horizontal direction drilling for utilities. Ice road and ice bridge construction throughout Alaska in support of resource development.

Great Northwest
 P.O. Box 74646
 Fairbanks, AK 99704-4646
 Contact: Buzz Otis
 Phone: (907) 452-5617
 Fax: (907) 456-7779
 Email: info@grtnw.com
 Web site: www.grtnw.com
Specializing in cold weather and heavy civil construction, gravel and rock products, site-work, petroleum industry construction, erosion control, underground utilities and reclamation services.

H.C. Price
 301 W. Northern Lights Blvd., #300
 Anchorage, AK 99503
 Contact: David L. Matthews
 Phone: (907) 278-4400
 Fax: (907) 278-3255
 Other offices: Dallas, Texas, and international.
 Email: dmatthews@hcpriceco.com
EPC contractor performing oilfield support construction projects and other heavy industrial projects statewide.

MWH
 1835 S. Bragaw St., Ste. 350
 Anchorage, AK 99508
 Contact: Brett Jokela
 Phone: (907) 248-8883
 Fax: (907) 248-8884
 Email: Brett.Jokela@mwhglobal.com
The engineers, scientists, and constructors of MWH provide innovative projects

and solutions for clients throughout Alaska and Worldwide.

Peak Oilfield Service
 2525 C St., Ste. 201
 Anchorage, AK 99503
 Contact: Bill Stamps, business development/ex. affairs
 Phone: (907) 263-7000
 Fax: (907) 263-7070
 Email: billstamps@peakalaska.com
 Web site: www.peakalaska.com
Alaska based general contractors.

Udelhoven Oilfield System Services
 Anchorage office:
 184 E. 53rd Ave.
 Anchorage, AK 99518
 Phone: (907) 344-1577
 Fax: (907) 522-2541
 Nikiski office:
 P.O. Box 8349
 Nikiski, AK 99635
 Phone: (907) 776-5185
 Fax: (907) 776-8105
 Prudhoe office:
 Pouch 340103
 Prudhoe Bay, AK 99734
 Phone: (907) 659-8093
 Fax: (907) 659-8489
Serving Alaska for more than 25 years.

Contractors — Pipeline

ASRC Energy Services – Pipeline, Power & Communications
 3900 C St.,
 Anchorage, AK 99503
 Contact: Wade Blasingame
 Phone: (907) 339-6400
 Fax: (907) 339-6444
 Email: wade.blasingame@asrcenergy.com
 Web site: www.asrcenergy.com
Pipeline construction and maintenance, fiber optic cable installation.

CONAM Construction
 301 W. Northern Lights Blvd., Ste 300
 Anchorage, AK 99503
 Contact: Bob Stinson
 Phone: (907) 278-6600
 Fax: (907) 278-3255
 Email: bstinson@conamco.com
Oil, gas, and mining facility; pipeline, civil, and commercial construction.

H.C. Price
 301 W. Northern Lights Blvd., #300
 Anchorage, AK 99503
 Contact: David L. Matthews
 Phone: (907) 278-4400
 Fax: (907) 278-3255
 Other offices: Dallas, Texas, and international.
 Email: dmatthews@hcpriceco.com
EPC contractor performing oilfield support construction projects and other heavy industrial projects statewide.

Peak Oilfield Service
 2525 C St., Ste. 201
 Anchorage, AK 99503
 Contact: Bill Stamps, business development/ex. affairs
 Phone: (907) 263-7000
 Fax: (907) 263-7070
 Email: billstamps@peakalaska.com
 Web site: www.peakalaska.com
Alaska based general contractors.

Control Systems

Arctic Controls
 1120 E. 5th Ave.
 Anchorage, AK 99501
 Contact: Scott Stewart, president
 Phone: (907) 277-7555
 Fax: (907) 277-9295
 Email: sstewart@arcticcontrols.com
 Website: www.arcticcontrols.com
An Alaskan owned and operated company since 1985, Arctic Controls, Inc. has been highly successful as manufacturer representatives for the state of Alaska in the Process Control and Instrumentation field. Selling equipment to the oil and gas markets, mining and water wastewater/municipal markets.

Dowland-Bach
 6130 Tuttle Pl.
 P.O. Box 230126
 Anchorage, AK 99523
 Contact: Lynn Johnson, president
 Phone: (907) 562-5818
 Fax: (907) 563-4721
 Email: lynn@dowlandbach.com
 Web site: www.dowlandbach.com

North Slope Telecom
 2020 E. Dowling, Ste. 3
 Anchorage, AK 99507
 Contact: Bill Laxson, president
 Phone: (907) 562-4693
 Fax: (907) 562-0818
 Email: info@nstiak.com
 Web site: www.nstiak.com
Design, installation and maintenance of SCADA, CATV, surveillance, power generation and remote communication systems. Twenty years of arctic experience.

Corrosion Analysis

Kakivik Asset Management
 5401 Fairbanks St., Ste. 3
 Anchorage, AK 99518
 Phone: (907) 770-9400
 Fax: (907) 770-9450
 Contact: Mark Hylen, president/CEO
 Email: mhylen@kakivik.com
 Web site: www.kakivik.com
 Fairbanks Office
 Phone: (907) 451-4898
 Fax: (907) 451-4897
 Valdez Office
 Phone: (907) 831-1390
Offering all elements of nondestructive testing, inspection services, quality control and asset management

Drilling & Well Services

ASRC Energy Services – Engineering and Technology
 3900 C St.
 Anchorage, AK 99503
 Contact: John Lewis, vp operations
 Phone: (907) 339-6200
 Fax: (907) 339-6212
 Email: john.lewis@asrcenergy.com
 Web site: www.asrcenergy.com
Drilling and completion engineering, well stimulation, facilities engineering, upstream exploration and production services, geological and geophysical services, automation, electrical and instrumentation, platform renovation and construction.

Baker Hughes Inteq
 7260 Homer Dr.
 Anchorage, AK 99518
 Contact: Dave Reimer, AK mgr.
 Phone: (907) 267-6600
 Cell Phone: (907) 250-6420
 Fax: (907) 267-6623
 Email: dave.reimer@inteq.com
 Web site: www.bakerhughes.com
Baker Hughes Inteq delivers advanced drilling technologies and services that deliver efficiency and precise well placement. Major capabilities include directional drilling, measurement-while-drilling (MWD), logging-while-drilling (LWD), drilling fluids, and well-site information management services.

Doyon Ltd.
Doyon Drilling, Inc.
 101 W. Benson Blvd., Ste. 503
 Anchorage, AK 99503
 Contact: Ron Wilson
 Phone: (907) 563-5530
 Fax: (907) 561-8986
 Email: rwilson@doyondrilling.com
 Web site: www.doyon.com
Doyon Drilling, a leader in Arctic drilling, provides drilling and casing services on Alaska's North Slope.

The Fairweather Companies
 2000 E. 88th Ave.
 Anchorage, AK 99507
 Contact: Bill Penrose
 Phone: (907) 258-3446
 Fax: (907) 279-5740
 Website: www.fairweather.com
The Fairweather Companies provide project management, engineering, drilling, permitting, logistics, and operational services to the exploration and production sectors of the petroleum industry.

FMC Energy Systems
 700 W. International Airport Rd.
 Anchorage, AK 99518-1122
 Contact: Alan McArthur, area mgr.
 Phone: (907) 563-3990
 Fax: (907) 563-5810
 Email: alan.mcarthur@fmcti.com
Supplier of wellheads and Christmas trees, to API specifications, with repair facility and service organization to support all North Slope and Cook Inlet locations.

MI SWACO

721 W. First Ave.
Anchorage, AK 99501
Contact: Brad Billon
Phone: (907) 274-5526
Fax: (907) 279-6729
Email: bbillon@miswaco.com
SWACO
Anchorage, AK 99501
Contact: Dana Rhodes
Phone: (907) 274-5541
Email: danarhodes@midf.com
MI SWACO combines Alaska know-how and global strength to provide the oil industry with a full-service drilling partner

Nabors Alaska Drilling

2525 C St., Ste. 200
Anchorage, AK 99503
Contact: Leslie Adams
Phone: (907) 263-6000
Fax: (907) 563-3734
Email: leslie.adams@nabors.com

NIED

341 W. Tudor Rd., Ste. 206
Anchorage, AK 99503
Contact: Conrad Perry
Phone: (907) 561-0650
Fax: (907) 561-0763
Email: cperry@niedi.com
Web site: www.NIEDI.com

Nordic-Calista Services

4700 Business Park Blvd., Bldg. E, #19
Anchorage, AK 99503
Phone: (907) 561-7458
Fax: (907) 563-8347
Contact: Phil Snisarenko, Operations Mgr.
Email: Nordic@gci.net
Nordic-Calista Services provides innovative, reliable workover/drilling rigs specifically designed for arctic conditions. We strive to maximize productivity and efficiency while promoting safety and environmentally-conscious drill practices.

Petroleum Equipment & Services

5631 Silverado Way, Ste G
Anchorage, AK 99518
Contact: Kevin Durling/Donald Parker
Phone: (907) 248-0066
Fax: (907) 248-4429
Email: sales@pesiak.com
Web site: www.pesiak.com
P.E.S.I. provides both conventional and specialty products and services for the Alaska oil industry. Regardless of your location, you will receive products and service that is guaranteed to meet your requirements.

Quadco

6116 Nielson Way
Anchorage, AK 99518
Contact: David Baggett, vp, AK mgr.
Phone: (907) 563-8999
Fax: (907) 563-8985
Email: dbaggett@quadcoinc.com
Other offices: Farmington NM, Denver CO, Casper WY
Quadco has supplied services to the Alaska oilfield since 1976. We have trained personnel to help with instrumentation, solids control, pipe handling and Top Drive drilling equipment. 24 hour on call

Schlumberger Oilfield Services

2525 Gambell St.
Anchorage, AK 99503
Contact: Daniel Palmer
Phone: (907) 273-1700
Fax: (907) 561-8317
Email: Palmer2@slb.com
Web site: www.slb.com
Schlumberger Oilfield Services provides people and technology, working together to offer exploration and production solutions for the life of oil and gas reservoirs.

Unique Machine

5839 Old Seward Hwy
Anchorage, AK 99518
Contact: Pat Hanley, COO
Phone: (907) 563-3012
Fax: (907) 562-1376
Email: office@uniquemachineinc.com
Web site: www.uniquemachineinc.com
The design, development, manufacture and distribution of oilfield construction, mining, fishing and government parts to industry quality standards.

Drug Testing**Worksafe**

300 W. 36th Ave., Ste. A
Anchorage, AK 99503
Phone: (907) 563-8378
Fax: (907) 563-8380
Web site: www.worksafeinc.com
Worksafe works to keep your employees from getting hurt on the job if they are using drugs or alcohol. Worksafe Drug Testing increases productivity, reduces liability with fewer injuries and accidents and provides insurance cost savings.

Electrical**Dowland-Bach**

6130 Tuttle Pl.
Anchorage, AK 99507
Contact: Lynn Johnson
Phone: (907) 562-5818
Fax: (907) 563-4721
Web site: www.dowlandbach.com
Industrial control and panel fabrication

Udelhoven Oilfield System Services

Anchorage office:
184 E. 53rd Ave.
Anchorage, AK 99518
Phone: (907) 344-1577
Fax: (907) 522-2541
Nikiski office:
P.O. Box 8349
Nikiski, AK 99635
Phone: (907) 776-5185
Fax: (907) 776-8105
Prudhoe office:
Pouch 340103
Prudhoe Bay, AK 99734
Phone: (907) 659-8093
Fax: (907) 659-8489
Serving Alaska for more than 25 years.

Employee Services**Hawk Consultants**

200 W. 34th Ave., Ste. 809
Anchorage, AK 99503
Contact: Maynard Tapp, president
Phone: (907) 278-1877
Fax: (907) 278-1889
Email: info@hawkpros.com
Providing people and resources to the oil, gas, power, telecommunication and public works industries. Services include strategic planning, full service project management team consulting/outourcing, supplemental professionals, professionals, management consulting services.

Worksafe

300 W. 36th Ave., Ste. A
Anchorage, AK 99503
Phone: (907) 563-8378
Fax: (907) 563-8380
Web site: www.worksafeinc.com
Worksafe works to keep your employees from getting hurt on the job if they are using drugs or alcohol. Worksafe Drug Testing increases productivity, reduces liability with fewer injuries and accidents and provides insurance cost savings.

Energy Services**ASRC Energy Services**

3900 C St., Ste. 701
Anchorage, AK 99503
Contact: Jack Laasch, exec. vp strategic dev. and external affairs
Phone: (907) 339-6200
Fax: (907) 339-6212
Email: jack.laasch@asrcenergy.com
Web site: www.asrcenergy.com
Oil and gas services, engineering, construction, operations, maintenance, pipeline construction and maintenance, project management, geological and geophysical, drilling and completion engineering, well stimulation, exploration services.

ASRC Energy Services – Operations and Maintenance

3900 C St.
Anchorage, AK 99503
Contact: Mark Nelson, exec. vp
Phone: (907) 339-6200
Fax: (907) 339-6212
Email: mark.nelson@asrcenergy.com
Web site: www.asrcenergy.com
Oil and gas services, industrial construction, operations and maintenance, module fabrication and assembly, project

management and non-destructive testing.

Hunter 3-D

9898 Bissonnet St., Ste. 362
Houston, TX 77036
Contact: Dan Huston, vice president
Phone: (713) 981-4650
Fax: (713) 981-4650
Email: hunter3d@wt.net
Web site: www.hunter3dinc.com
Hunter 3-D is a geophysical consulting company based in Houston, Texas. We interpret seismic, gravity and magnetic data for projects in Alaska and worldwide.

Michael Baker Jr.

4601 Business Park Blvd., Ste. 42
Anchorage, AK 99503
Contact: John M. Eldred, business unit mgr.
Phone: (907) 273-1115
Fax: (907) 273-1699
Email: jeldred@mbakercorp.com
Website: www.mbakercorp.com
Juneau office: 175 Franklin St., Ste. 420
Juneau, AK 99801
Contact: McKie Campbell, sr. environmental mgr.
Phone: (907) 463-3171
Fax: (907) 463-3107
Email: mckie@gci.net
Engineering skills include civil, structural, mechanical, electrical, project management, GIS, and hydrology. Energy services include CMMS (computerized maintenance management), managed operation and maintenance, training/competency services, and other related energy services.

Engineering Services**AES Lynx Enterprises**

1029 W. 3rd Ave., Ste.400
Anchorage, AK 99501
Contact: Mark Schindler, president & CEO
Contact: Diane Fleisher, office mgr.
Phone: (907) 277-4611
Fax: (907) 277-4717
Email: mschindler@lynxalaska.com
Lynx professionals offer the following services: major project strategic planning and project management; onshore and offshore projects, exploration and development phases, permits and right-of-way acquisition, National Environmental Policy Act (NEPA) documentation, Environmental Assessment (EA) and Environmental Impact Statement (EIS) preparation.

Alaska Anvil

509 W. 3rd Ave.
Anchorage, AK 99501-2237
Contact: Frank Weiss
Phone: (907) 276-2747
Fax: (907) 279-4088
Web site: anvilcorp.com
Other office: Kenai
50720 Kenai Spur Hwy, Mile 24.5
Kenai, AK 99611
Phone: (907) 776-5870
Fax: (907) 770-5871
Multi-discipline engineering and design services including construction management for petro-chemical and heavy industrial client projects.

Alpine-Meadow

11043 Tsusena Circle
Eagle River, AK 99577
Contact: George Snodgrass, president
Phone: (907) 694-7423
Fax: (907) 694-7423
Email: grsnodgrass@alpine-meadow.com
Website: www.alpine-meadow.com
We are a small, low-cost, professional, personal company with 18 years engineering and environmental experience in Alaska with major oil companies. We offer permitting and compliance, strategic planning, incident investigations, crisis management services.

CH2M HILL

301 W. Northern Lights Blvd., Ste. 601
Anchorage, AK 99516
Contact: Kelly Sobczek
Phone: (907) 646-0214
Fax: (907) 257-2016
Email: ksobczak@ch2m.com
Website: www.ch2m.com
Other Offices: World Wide
CH2M Hill is a global project delivery firm with services that span production, environmental permitting, treatment

processes, technology and engineering, security, and operations and maintenance.

Engineered Fire & Safety

3138 Commercial Dr.
Anchorage, AK 99501
Contact: Don Maupin, gen. mgr.
Phone: (907) 274-7973 ext. 123
Fax: (907) 274-6265
Email: d.maupin@efs-fire.com
Web site: www.efs-fire.com
An industry leader in the design, integration and testing of safety solutions for high value risks. UL system certifications and panel fabrication.

ENSR International

1835 S. Bragaw St., Ste. 490
Anchorage, AK 99512
Contact: Chris L. Humphrey, P.E.
Phone: (907) 561-5700
Fax: (907) 273-4555
Email: chumphrey@ensr.com
Serving Alaska since 1977. ENSR is an environmental engineering and consulting firm with more than 70 offices worldwide providing environmental planning, assessment, permitting, compliance management and contamination cleanup.

The Fairweather Companies

2000 E. 88th Ave.
Anchorage, AK 99507
Contact: Bill Penrose
Phone: (907) 258-3446
Fax: (907) 279-5740
Website: www.fairweather.com
The Fairweather Companies provide project management, engineering, drilling, permitting, logistics, and operational services to the exploration and production sectors of the petroleum industry.

Great Northern Engineering

137 E. Arctic Ave.
Palmer, AK 99645
Contact: John H. Riggs, general mgr.
Phone: (907) 745-6988
Fax: (907) 745-0591
Email: gne@mtaonline.net
Website: www.greatnorthernengineering.com
Anchorage office: 561-0200
Kenai office: 283-5199
Great Northern Engineering (GNE) is a full-service engineering firm specializing in industrial power and petro-chemical engineering. Complete engineering services in mechanical, electrical, civil, structural, rotating equipment, and corrosion engineering. Consulting services in project design, preparation of project documents, bid assistance, project management, cost estimating and inspection services.

Kakivik Asset Management

5401 Fairbanks St., Ste. 3
Anchorage, AK 99518
Phone: (907) 770-9400
Fax: (907) 770-9450
Contact: Mark Hysten, president/CEO
Email: mhysten@kakivik.com
Web site: www.kakivik.com
Fairbanks Office
Phone: (907) 451-4898
Fax: (907) 451-4897
Valdez Office
Phone: (907) 831-1390
Offering all elements of nondestructive testing, inspection services, quality control and asset management.

Kuukpik-LCMF

139 E. 51st Ave.
Anchorage, AK 99503
Contact: Richard Rearick, architectural mgr.
Contact: Willey Wilhelm, engineering mgr.
Contact: Tony Hoffman, survey mgr.
Phone: (907) 273-1830
Phone: (800) 955-1830
Fax: (907) 273-1831
Email: lcmfanch@alaska.net
Other Offices:
Barrow: (800) 478-8213
Email: ktoovak@lcmf.com
Alpine: (907) 670-4739
Email: alp1035@ppco.com
Arctic specialized architectural and engineering design for all structures; water/sewer, fuel and transportation systems design; contractor support surveying and permitting for oil and gas development; dredging operations, remote site land and hydrographic surveying.

Keeping the wells pumping

Oilfield Improvements' products bring major cost benefits for well operators

By **ALAN BAILEY**

Petroleum Directory Contributing Writer

Sometimes a simple invention can solve an expensive problem — and provide an inventor with a great business opportunity. Take for example the wheeled rod guide, a device that steers the sucker rods that pass down the tubing of a rod-pumped oil well.

Hughes Coston, president of Oilfield Improvements Inc. and inventor of the wheeled rod guide, told Petroleum News that he started in the oil business by drilling an oil well in north-eastern Oklahoma in the late 1970s.

“The way that I got into business was that I had my own (oil) production,” Coston said. “I borrowed a drilling rig to drill my first well.”

As Coston’s oil production business grew, he encountered problems with wear in oil wells where the well sucker rods rubbed against the well tubing.

“I kept wearing a hole in the tubing at a certain depth in one particular well and I tried different types of rod guide and they didn’t help,” Coston said. “I came up with the idea of a wheeled rod guide at night — I woke up and said ‘I’m going to try this’.”

When Coston implemented his innovative rod guide design he found that time between well servicing increased from one month to six months.

In fact the wheeled design proved so successful that in 1982 someone approached Coston to form a partnership to manufacture and sell the guides. The new business, called Oilfield Improvements, flourished — eventually Coston bought out his partner and became the sole owner of the company.

Replace rod couplings

Oilfield Improvements’ wheeled rod guides consist of 27 to 29-inch rods with polyethylene wheels slotted in. The wheels enable the guides to roll along the inside of the well tubing. The guides fit into a string of sucker rods.

“They replace the couplings that normally would hold the sucker rods together,” Coston said.

The alignment of the wheels along the length of the guides enables the guides to support reciprocating well pumps. The guides come in a variety of sizes, to support all combinations of tubing and sucker rod diameters.

Because the guides replace rod couplings, it’s easy to fit the guides on-site. In addition, people can easily and cheaply replace worn wheels.

UltraFlow guides

In addition to manufacturing its hallmark wheeled rod guides, Oilfield Improvements manufactures UltraFlow guides. This type of guide consists of a plastic tube that slides onto a sucker rod. Plastic vanes project outwards from the tube to deflect the rod away from the well tubing. Gaps between the vanes enable oil to flow up the well tubing.

Typically a well operator will place several guides on each rod — the number of guides required depends on the length of the sucker rods and the stroke of the pump.

As well as reducing rod and tubing wear, UltraFlow guides prove effective in preventing rod or tubing stacking near the bottom of a well during the upstroke and downstroke actions of a reciprocating pump. The guides can also scrape out paraffin deposits in the upper parts of a well.

And UltraFlow guides work with any type of rod pumping system.

“Our (rod guides) can be used in reciprocating wells and they can be used in wells where they spin the sucker rods to produce the oil,” Coston said.

Unlike other types of plastic guide, UltraFlow guides can be fitted in the field — a major advantage in reducing installation costs.

“Most (types of rod guide) are molded on (to the sucker rods),” Coston said. “You take your sucker rod to a plastic place ... they injection mold guides onto the



Hughes Coston, president of Oilfield Improvements Inc., displays the company’s rod guides. The big rod is for 6 5/8-inch tubing, while the smaller rod is for 1.9-inch tubing. The rod guides were manufactured for Amoco Canada. Coston is standing in front of the company’s 12,000 square foot plant in Broken Arrow, Okla.

rod.”

Reduce steel costs

With the recent escalation in the price of steel, many people are seeing major cost benefits in using Oilfield Improvements’ products.

“Rods have become so expensive — the price of steel has almost doubled,” Coston said. “... so we’re saving people thousands of dollars in ... the cost of rods and tubing.”

Reduced rod and tubing wear can also have a dramatic impact on the cost of servicing wells.

“To service a well that’s 10,000 feet deep you’re talking sometimes \$15,000 to \$25,000,” Coston said. “... if you can prevent (the well) from going down twice a year you’ve saved \$30,000 to \$40,000 ... our guides cost pennies compared to those kinds of costs.”

And Oilfield Improvements minimizes costs by contracting out the manufacture of the parts for the guides.

“I have different suppliers that supply the parts and we assemble them,” Coston said. “Business-wise it’s been a smart decision because other people can make things cheaper than we can.”

Also, because customers can fit both the wheeled guides and the UltraFlow guides themselves, Oilfield Improvements can ship the guides to anywhere in the world for on-site installation.

“If a guy’s in Australia (for example) he can buy our guides, put them in his pickup truck and when he gets to his well put them on,” Coston said.

Types of application

The well characteristics determine what type of rod guide to use in a particular application — the cost of the guides needs to be balanced against the potential savings in well maintenance.

The wheeled guides cost more than the UltraFlow guides but last much longer. So wheeled guides prove especially cost-effective in demanding situations such as the bottom of a deep well or around the bends of a deviated well. A sharp bend in a well, for example, may require relatively short sucker rods coupled together

Oilfield Improvements’ wheeled rod guides consist of 27 to 29-inch rods with polyethylene wheels slotted in. The wheels enable the guides to roll along the inside of the well tubing. The guides fit into a string of sucker rods.

using wheeled guides.

“In deeper wells you don’t want to have to go in there and spend that \$20,000 (on servicing), so you’re willing to spend \$5,000 on wheeled rod guides,” Coston said.

The cheaper UltraFlow guides can supplement the wheeled guides or, in a simple application, work by themselves to keep the sucker rods clear of the well tubing.

Computer analysis

With something of a science around determining the type of rod guide to use and the placement of the guides, Oilfield Improvements offers a free computer analysis of a customer’s rod guide requirements. A computer program uses a well’s directional survey together with information such as the pump stroke length to calculate the interaction between the sucker rods and the well tubing.

“If (the customer) has a directional well and they’re wanting to figure out how to run that most efficiently, we put their data ... from the directional survey ... through the computer,” Coston said. “It gives us how much side load there is in each section of that well that they’ve surveyed.”

The calculated side loads enable Oilfield Improvements assess whether rod guides are needed and, if so, what type to use and where to place them, to minimize well operating costs.

“We actually have some places where there’s 1,000 pounds for every 25 feet (of well), and then you need a wheeled rod guide,” Coston said.

So, Oilfield Improvements has established a flourishing niche business that helps customers reduce their well operating costs. And with a continuing need to minimize the cost of producing oil, Coston sees a bright future for his company.

“We work with people who have production with rod-pumped wells,” Coston said. “They can do without our product, but it’s gonna be expensive.” ●

Editor’s note: Alan Bailey owns Badger Productions in Anchorage, Alaska.



COURTESY OF OILFIELD IMPROVEMENTS

M-I SWACO delivers complete fluids, drilling waste management package

More than 1 million barrels of slurry have been injected at Alpine with near-zero downtime

By **JIM REDDEN**

For *Petroleum Directory*

In the spring of 1999, industry, government and media representatives assembled at what is now

ConocoPhillips' Alpine field for the unveiling of an Alaska first: a three-story oilfield module designed to dramatically reduce the environmental impact of drilling on the North Slope.

Five years later, the handiwork of M-I SWACO has eclipsed even the most optimistic projections. The so-called G.I.S. drill cuttings grind and injection unit has injected more than 1 million barrels of slurry with an astounding record of near-zero downtime, says M-I SWACO Anchorage-based Project Engineer John Murphy.

The high-profile project is but one of a string of milestones Houston-based M-I SWACO has realized in the nearly four decades it has served the Alaska oil and gas industry. The world's leading provider of drilling, reservoir drill-in and completion fluids and drilling waste management equipment and associated services is owned 60 percent by Smith International and 40 percent by Schlumberger.

Complementing the grind and inject module is a dry bulk handling facility and a liquid drilling and completion fluid plant, which to date has mixed and delivered well over 310,000 barrels. The Alpine project also showcases another M-I SWACO innovation that is helping operators throughout Alaska achieve all their economic and technical objectives, while simultaneously attaining the highest level of environmental performance. The M-I SWACO Integrated Fluids Engineering*, or IFE, program is a cradle-to-grave approach designed to lower production costs, maximize drilling efficiency, increase production, while dramatically reducing environmental impact.

Associated products and services a natural grouping

The unique fluids engineering concept is rooted in the conviction that the associated products and services represent a natural grouping at the well site. Accordingly, it was perceived that the holistic management of these activities and the better team-working and overall enhanced wellsite efficacy it would foster could not only improve drilling efficiency and costs, but also health, safety and environmental performance.

This natural grouping includes drilling, reservoir drill-in and completion fluids; solids control and filtration equipment; and waste treatment and remediation equipment and services. This grouping is natural to the extent that the performance of individual components is interdependent. Consequently, the joint management and execution of these processes with combined resources increases the opportunities for improved results.

The process begins in the well planning stages and extends through completion, including the ultimate disposal of solid and liquid waste. The total fluids management approach goes well beyond shared infrastructure and personnel to



The M-I SWACO cuttings grinding and injection unit at the Alpine field continues to roll up milestones.

Regional Manager Billon said M-I SWACO over the years has made a concerted effort to position itself as the one company in Alaska that can provide operators the complete package of fluids, drilling waste management and associated engineering services.

exploit synergies in technology and delivery inherent in this natural grouping of products and services.

The program was employed on 30 onshore and offshore wells in Alaska in 2003 — a total that is forecast to double this year. The advantage of the Integrated Fluids Engineering program is clearly reflected in the Alpine project, which thus far has helped drill more than 80 wells totaling more than 1 million feet of hole, says Alpine IFE Coordinator Rob Reinhardt.

"Despite the logistical complexities of a roadless development, the drilling efficiency and productivity shown by M-I SWACO and the Alpine rig teams is unmatched in all of Alaskan drilling operations," he said.

Alpine also augments the distinction of M-I SWACO as the industry's recognized leader in the introduction and application of new fluid technologies. Regional Manager Brad Billon specifically points to the FloPro* rheologically engineered reservoir drill-in fluid and the VersaPro* mineral oil-base reservoir

drill-in fluid. The latter has been employed in the production intervals of Alpine wells, resulting in a two- to three-fold increase in production over earlier wells drilled with water-base fluid systems. The success of the system led ConocoPhillips to acknowledge it with a 2003 "Mark of Excellence" award.

Elsewhere on the North Slope, the VersaPro system established two state records for the longest liner and footage drilled. Formulated specifically for the Schrader Bluff area, the system was used in Alaska's first quad-lateral. The four intervals ranged from 3,843 to 7,249 feet in length with a cumulative footage of 27,743 feet. Total footage for the well was 34,798 feet.

That project also highlighted another new M-I SWACO innovation: the proprietary OptiBridge* bridging agent selection software package. "The program was used to select the optimum size and concentration of bridging agents and a modified high-temperature, high-pressure test was employed to maintain adequate bridging," said M-I SWACO

Project Engineer Mark Dick.

Company's goal a complete package of services

Regional Manager Billon said M-I SWACO over the years has made a concerted effort to position itself as the one company in Alaska that can provide operators the complete package of fluids, drilling waste management and associated engineering services.

"We have developed an infrastructure in Alaska that is second to none. Complementing our comprehensive portfolio of drilling, reservoir drill-in and completion fluids are some of the most highly trained and accomplished wellsite engineers in the industry. When you add our drilling waste management resources and capabilities and our emphasis on new, cost-effective technologies, M-I SWACO is well positioned to deliver solutions to all our clients' drilling, production and waste management needs," he said.

One such solution can be found in the Cook Inlet where the IFE program and a fit-for-purpose cuttings re-injection unit, or CRI, reduced disposal costs some 37 percent while dramatically minimizing environmental impact. Installed in 2000, the CRI system reduced waste management costs by more than \$137 per barrel when compared to the economics associated with the traditional method of transporting cuttings to shore for disposal. It marked the first total zero discharge application in the Cook Inlet.

New drilling waste management and solids control

Drilling and Waste Management Operations Manager Dana Rhodes said M-I SWACO remains Alaska's leading company for cuttings grinding and injection. In addition, the company has introduced to the Alaskan industry a number of new drilling waste management and solids control technologies, including its revolutionary Verti-G* cuttings dryer, the 5500 and MagnaDrive* centrifuges and the Super Auto Choke*.

"We also provide a rather unique service with our solids-control vans. These are 40-ft tractor trailers equipped with a centrifuge, shaker and pumps designed for processing drilling fluids. This is a much more mobile system than the typical fluid processing system configuration," said Rhodes.

Unique to the M-I SWACO approach to drilling waste management is looking at wastes not as a commodity to be treated and disposed of, but rather one that could be transformed into a beneficial resource. That methodology has taken hold in Alaska where treated drill cuttings now are being converted into something useful.

"In Alaska, beneficial reuse normally is what we call gravel wash. The cuttings generated during the drilling of a well are rinsed with fresh water over a 20 to 50-mesh screen and stored until a TCLP and paint filter test are performed. Once the cuttings are deemed non-hazardous they are used for pad and road maintenance," said Rhodes. ●

*mark of M-I L.L.C.

COURTESY OF M-I SWACO

Michael Baker Jr. Inc.: Energy and Engineering

Complex challenges are invitation to innovate

By **SUSAN BRAUND**

Petroleum Directory Contributing Writer

Michael Baker Jr. Inc. left cheechako status behind long ago; after 60 years of cold regions engineering in Alaska, it has certainly attained the rank of sourdough and could be closing in on the title of full-fledged pioneer.

Starting up in 1940 as a surveying and engineering consulting firm, the parent company, Michael Baker Corp., has its roots in civil infrastructure and transportation systems support, later expanding into civil, structural and mechanical engineering. Post-World War II, the company gained momentum and notoriety in pipeline, highway, tunnel and bridge design. Headquartered in Pittsburgh, Pa., Michael Baker Corp. has 4,500 employees in 30 states and 14 countries. It ranks in the top 10 percent among the nation's top 500 design firms.

"Michael Baker Jr. Inc. is a wholly owned subsidiary of the Michael Baker Corporation," says Alaska Operations Manager John Eldred, "Over the years, Baker engineers have designed and managed diverse and innovative projects throughout the nation."

According to Eldred, the company has two focused markets: energy and engineering. Baker Engineering serves infrastructure clients through its transportation, architectural, environmental and civil groups; Baker Energy performs operations and maintenance related services for energy clients.

Energy

With an emphasis on efficiency through technology, Baker Energy's Applied Technologies group deals with the more technical aspects of maintenance and operations. "We bridge the gap between the commissioning and start-up efforts through various kinds of training and technology. Before systems-go, we do walkthroughs and provide operations manuals and videos," says Eldred. "This is valuable to the client. Some clients are very proactive, and receive savings up front and on the back end. Others treat projects as major inventory events and start up is an after thought."

Additional Applied Technology services are comprehensive spare parts and maintenance reviews. A key Baker service is Computer Maintenance Management Systems, or CMMS. Baker performs the data build, develops the deep database

for spare parts and maintenance scheduling and provides reports and daily schedules of maintenance and parts needs, from major equipment down to nuts and bolts. "CMMS is very sophisticated and becoming more so. In fact, we are a global hoster, sort of the Yahoo for CMMS! We build the data base, maintain it, provide the data input and server, order reports and schedules," says Eldred. "CMMS in general allows you to operate, plan and maintain your operation in an orderly fashion, cutting out the peaks and valleys of maintenance swings and avoiding dangerous run-to-failure. The reliability increases the cost effectiveness of your operation. It works especially well for a smaller operator who does not want in-house IT people, server or data input."

COURTESY OF MICHAEL BAKER JR.



Developed at Michael Baker Jr. for the Alpine project, the innovative vertical loop concept sets up artificial terrain breaks that create a spill isolation function superior to valves.

The question, however, is, how deep is too deep into parts replacement and placement monitoring? When is it overkill? "Criticality and consequences of failure are good measures," he explains. "If you are going to do it right, you have to look at the individual pieces."

Operations

The operations end of the energy sector uses various models: "One model is basically an expert service provider. We provide experts — highly skilled manpower," says Eldred. "This usually comes into play when the operators want to retain control, but doesn't want to directly employ the resources."

The other model — Managed Services — involves variations of control, from operating specific areas to running the entire operation.

"Running the entire operation is our preferred model for the oilfield. We are the second largest operator in the Gulf of Mexico, but not an owner. As property managers we run it all: operations, maintenance, logistics and drilling. This model provides cost sharing, which brings everyone's costs down." Baker Energy has also taken this model onshore in the Texas Panhandle and the Powder River basin, and has full operational responsibility for a particular customer's producing fields in those regions.

Engineering

Although Baker has been busy integrating its energy services expertise into the Alaska mix, it continues to offer its traditional buffet of engineering services but now concentrating more on fine-tuning engineering, design, and construction.

"Our technical expertise is in high-level specialty end engineering services, not straightforward design. We look at a lot of factors, and capability and years of experience go into it," says Eldred. "We know what's practical. There's value in knowing where to stop and not over-design. People inherently over-design."

An example of the expertise available is the service provided when the trans-Alaska pipeline shut down after a 7.9 earthquake south of Delta Junction in November

2003. Baker was called within hours to assess the damage. "The design worked; it performed as expected. The pipeline moved in both horizontal and vertical directions, but within the limits of the design. The earthquake shifts and associated ground shaking did cause damage to the TAPS aboveground support system. We are now completing corrective redesign." The work will be implemented this summer.

Hydrology

A large part of Baker's recent engineering work has focused on hydrology. Baker water resources professionals provide all types of water resources related services, from river engineering to environmental assessments.

Baker currently plays a key role in the hydrologic work for ConocoPhillips Alaska's North Slope Alpine field, performing yearly spring breakup assessments.

When ARCO Alaska (now

ConocoPhillips) began development of the Alpine field, Baker addressed several key civil engineering issues. As the Alpine pipeline crosses the Colville River Delta, siting was a particular challenge. Topography along the very flat pipeline route ranges from common tundra to a flooded and shallow lake ecosystem. The available meteorologic or hydrologic data was limited.

Baker engineers developed a two-dimensional surface water model using data collected through hydrologic survey techniques. The study included cross-section surveys of the floodplain, channel cross-sections surveyed at two-mile intervals, and other factors. Regulatory agencies readily accepted the model's findings. Baker continues to use this cost-effective surface water model using information collected over the last four years.

Pipeline expertise

"We're not a large pipeline designer; we tend to the technical details to make sure of design modeling, soil interactions and other leveraging design issues," says Eldred.

For designing the first horizontal, directionally drilled pipeline in the Arctic, Baker received the Alaska and Northwest District Civil Engineering achievement of the Year award in 1999 for the section of the Alpine pipeline that passes under the Colville River. Another Alpine pipeline innovation was the vertical loop concept. The loops create artificial terrain breaks, creating a spill isolation function superior to valves.

During trans-Alaska pipeline construction in the 1970s the company provided mile-by-mile pipeline design north of the Yukon and the haul road. Baker was also the pipeline and arctic civil infrastructure engineer the ConocoPhillips Alpine project. On the Kenai-Kachemak Gas Pipeline, the company also performed conceptual engineering, route alternative studies, and final design, including GIS development, creating a series of layers using background satellite imagery, local and state highways, topography, wetlands, streams, land ownership status and locations of gas prospects. Baker created hard and soft copy maps to support further analysis, public meetings, and permit applications for the project and documents to supplement permit applications.

Ask the pioneers

Baker is sought after for its experience and expertise. It is the newly selected technical consultant for the Office of Pipeline Safety in the Office of Homeland Security "Baker's current role is providing technical guidance on specialized issues. It's good exposure for us," says Eldred. "Baker brings a great deal of expertise to the table. If clients invest in our services early on, they experience value downstream. Our depth of experience adds value." ●

Editor's note: Susan Braund owns Firestar Media Services in Anchorage, Alaska.

COURTESY OF MICHAEL BAKER JR.



For designing the first horizontal, directionally drilled pipeline in the Arctic, Michael Baker Jr. received the Alaska and Northwest District Civil Engineering achievement of the Year award in 1999 for the section of the Alpine pipeline that passes under the Colville River.

NANA/Colt Engineering

700 G Street, 5th floor
Anchorage, AK 99501
Phone: (907) 273-3900
Fax: (907) 273-3990
Contact: John Minier
NANA/Colt offers project management, engineering, design, construction management, and procurement services to the oil industry.

Natco Canada

P.O. Box 850, Stn. T
Calgary, Alberta T2H2H3
Contact: Kevin Baird, bus. dev. mgr.
Phone: (403) 203-2103
Fax: (403) 236-0488
Email: kbaird@natco-ca.com
Web site: www.natco-ca.com
Natco Group engineers, designs and manufactures process, wellhead and water treatment equipment and systems used in the production of oil and gas worldwide.

PDC Harris Group

1231 Gambell St.
Anchorage, AK 99501
Contact: Steve Theno
Phone: (907) 644-4716
Fax: (907) 561-7028
Email: stevetheno@pdceng.com
Contact: Mike Moora
Phone: same as above
Fax: same as above
Email: mike.moora@harrisgroup.com
Web site: www.harrisgroup.com
PDC-Harris Group provides front-end engineering design, detailed design, and environmental permitting services to the oil, gas, and power generation markets.

Petrotechnical Resources of Alaska (PRA)

3601 C St., Ste. 1378
Anchorage, AK 99503
Contact: Tom Walsh
Phone: (907) 272-1232
Fax: (907) 272-1344
Email: info@petroak.com
Our multidisciplinary staff of qualified and experienced professionals possess a diverse array of technical capabilities to provide our clients with a full spectrum of geoscience and engineering consulting services.

VECO

949 E. 36th Ave., Ste. 500
Anchorage, AK 99508
Contact: Emily Cross
Phone: (907) 762-1510
Fax: (907) 762-1001
Email: emily.cross@veco.com
Web site: www.VECO.com
VECO is a multi-national corporation that provides services, project management, engineering, procurement, construction, operations and maintenance – to the energy, resource and process industries and the public sector.

Environmental Engineering & Consulting**AES Lynx Enterprises**

1029 W. 3rd Ave., Ste.400
Anchorage, AK 99501
Contact: Mark Schindler, President & CEO
Contact: Diane Fleisher, office mgr.
Phone: (907) 277-4611
Fax: (907) 277-4717
Email: mschindler@lynxalaska.com
Lynx professionals offer the following services: major project strategic planning and project management; onshore and offshore projects, exploration and development phases, permits and right-of-way acquisition, National Environmental Policy Act (NEPA) documentation, Environmental Assessment (EA) and Environmental Impact Statement (EIS) preparation.

Alaska Anvil

509 W. 3rd Ave.
Anchorage, AK 99501-2237
Contact: Frank Weiss
Phone: (907) 276-2747
Fax: (907) 279-4088
Web site: anvilcorp.com
Other office: Kenai
50720 Kenai Spur Hwy, Mile 24.5
Kenai, AK 99611
Phone: (907) 776-5870
Fax: (907) 770-5871
Multi-discipline engineering and design

services including construction management for petro-chemical and heavy industrial client projects.

Alpine-Meadow

11043 Tsusena Circle
Eagle River, AK 99577
Contact: George Snodgrass, president
Phone: (907) 694-7423
Fax: (907) 694-7423
Email: grsnodgrass@alpine-meadow.com
Website: www.alpine-meadow.com
We are a small, low-cost, professional, personal company with 18 years engineering and environmental experience in Alaska with major oil companies. We offer permitting and compliance, strategic planning, incident investigations, crisis management services.

CH2M HILL

301 W. Northern Lights Blvd., Ste. 601
Anchorage, AK 99516
Contact: Kelly Sobczek
Phone: (907) 646-0214
Fax: (907) 257-2016
Email: ksobczak@ch2m.com
Website: www.ch2m.com
Other Offices: World Wide
CH2M Hill is a global project delivery firm with services that span production, environmental permitting, treatment processes, technology and engineering, security, and operations and maintenance.

ENSR International

1835 S. Bragaw St., Ste. 490
Anchorage, AK 99512
Contact: Chris L. Humphrey, P.E.
Phone: (907) 561-5700
Fax: (907) 273-4555
Email: chumphrey@ensr.com
Serving Alaska since 1977. ENSR is an environmental engineering and consulting firm with more than 70 offices worldwide providing environmental planning, assessment, permitting, compliance management and contamination cleanup.

Golder Associates

1750 Abbott Rd., Ste. 200
Anchorage, AK 99507
Contact: Bob Dugan, mgr., Tom Krzewinski, Mark Musial, Bucky Tart
Phone: (907) 344-6001
Fax: (907) 344-6011
Website: www.golder.com
Providing geotechnical engineering, water resource, and geosciences services in support of resource development projects in Alaska and the Arctic. Other offices worldwide.

MWH

1835 S. Bragaw St., Ste. 350
Anchorage, AK 99508
Contact: Brett Jokela
Phone: (907) 248-8883
Fax: (907) 248-8884
Email: Brett.Jokela@mwhglobal.com
The engineers, scientists, and constructors of MWH provide innovative projects and solutions for clients throughout Alaska and Worldwide.

Pacific Environmental (PENCO)

6000 A St.
Anchorage, AK 99518
Contact: Tom Ulrich, reg. mgr. American Maine svc. group
Phone: (907) 562-5420
Fax: (907) 562-5426
Email: alaska@amsghq.com
Web site: www.amsghq.com
PENCO provides environmental response, containment and clean up. Hazardous wastes and contaminated site clean up and remediation. Asbestos and lead abatement. Petroleum vessel services and bulk fuel oil facility and storage tank maintenance, management and operations.

PDC Harris Group

1231 Gambell St.
Anchorage, AK 99501
Contact: Steve Theno
Phone: (907) 644-4716
Fax: (907) 561-7028
Email: stevetheno@pdceng.com
Contact: Mike Moora
Phone: same as above
Fax: same as above
Email: mike.moora@harrisgroup.com
Web site: www.harrisgroup.com
PDC-Harris Group provides front-end engineering design, detailed design, and environmental permitting services to the

oil, gas, and power generation markets.

Quadco

6116 Nielson Way
Anchorage, AK 99518
Contact: David Baggett, vp, AK mgr.
Phone: (907) 563-8999
Fax: (907) 563-8985
Email: dbaggett@quadcoinc.com
Other offices: Farmington NM, Denver CO, Casper WY
Quadco has supplied services to the Alaska oilfield since 1976. We have trained personnel to help with instrumentation, solids control, pipe handling and Top Drive drilling equipment. 24 hour on call

Environmental Response & Cleanup**Alaska Interstate Construction**

P.O. Box 233769
Anchorage, AK 99523
Contact: John Ellsworth
Phone: (907) 562-2792
Fax: (907) 562-4179
Email: info@aicl.com
Website: www.aicl.com
AIC provides cost-effective solutions to resource development industries. We provide innovative ideas to meet each requirement through the provision of best-in-class people and equipment coupled with exceptional performance.

ENSR International

1835 S. Bragaw St., Ste. 490
Anchorage, AK 99512
Contact: Chris L. Humphrey, P.E.
Phone: (907) 561-5700
Fax: (907) 273-4555
Email: chumphrey@ensr.com
Serving Alaska since 1977. ENSR is an environmental engineering and consulting firm with more than 70 offices worldwide providing environmental planning, assessment, permitting, compliance management and contamination cleanup.

Great Northwest

P.O. Box 74646
Fairbanks, AK 99704-4646
Contact: Buzz Otis
Phone: (907) 452-5617
Fax: (907) 456-7779
Email: info@grtnw.com
Web site: www.grtnw.com
Specializing in cold weather and heavy civil construction, gravel and rock products, site-work, petroleum industry construction, erosion control, underground utilities and reclamation services.

Pacific Environmental (PENCO)

6000 A St.
Anchorage, AK 99518
Contact: Tom Ulrich, reg. mgr. American Maine svc. group
Phone: (907) 562-5420
Fax: (907) 562-5426
Email: alaska@amsghq.com
Web site: www.amsghq.com
PENCO provides environmental response, containment and clean up. Hazardous wastes and contaminated site clean up and remediation. Asbestos and lead abatement. Petroleum vessel services and bulk fuel oil facility and storage tank maintenance, management and operations.

Unitech of Alaska

2130 E. Dimond Blvd.
Anchorage, AK 99507
Contact: Debbie Hawley
Phone: (907) 349-5142
Phone: (800) 649-5859
Fax: (907) 349-2733
Email: unitech@alaska.com
Email: dhawley@unitechofalaska.com
UOA is Alaska's only 24-hour oil spill remediation, environmental and industrial supply company. Specialty areas include sorbents, geotextile, containment berms, drums and ice melt.

Environmental Supplies**Arctic Fire & Safety**

702 30th Ave.
Fairbanks, AK 99701
Contact: Bobby, Shane, Gigi
Phone: (907) 378-2116
Fax: (907) 452-7876

Email: arcfire@yahoo.com
Your Alaskan owned safety specialist since 1975. Gas detection, sales/rentals, containments, U.N. shipping boxes, barrels, P.P.E. material handling, totes, spill kits, all absorbents. We stock.

Pacific Environmental (PENCO)

6000 A St.
Anchorage, AK 99518
Contact: Tom Ulrich, reg. mgr. American Maine svc. group
Phone: (907) 562-5420
Fax: (907) 562-5426
Email: alaska@amsghq.com
Web site: www.amsghq.com
PENCO provides environmental response, containment and clean up. Hazardous wastes and contaminated site clean up and remediation. Asbestos and lead abatement. Petroleum vessel services and bulk fuel oil facility and storage tank maintenance, management and operations.

Unitech of Alaska

2130 E. Dimond Blvd.
Anchorage, AK 99507
Contact: Debbie Hawley
Phone: (907) 349-5142
Phone: (800) 649-5859
Fax: (907) 349-2733
Email: unitech@alaska.com
Email: dhawley@unitechofalaska.com
UOA is Alaska's only 24-hour oil spill remediation, environmental and industrial supply company. Specialty areas include sorbents, geotextile, containment berms, drums and ice melt.

Equipment & Heavy Hauling**Alaska Interstate Construction**

P.O. Box 233769
Anchorage, AK 99523
Contact: John Ellsworth
Phone: (907) 562-2792
Fax: (907) 562-4179
Email: info@aicl.com
Website: www.aicl.com
AIC provides cost-effective solutions to resource development industries. We provide innovative ideas to meet each requirement through the provision of best-in-class people and equipment coupled with exceptional performance.

Carlile Transportation Systems

1800 E. 1st Ave.
Anchorage, AK 99501
Contact: Linda Leary
Ph: (907) 267-7797
Fax: (907) 276-6786
Email: lleary@carlilekw.com
Other Offices: Fairbanks, Prudhoe Bay, Kenai, Seward, Federal Way, WA, Houston, TX, Edomontion, ALTA
Alaska owned and operated, full service, multi-modal, transportation and logistics company.

Crowley Alaska

2525 C St., Ste. 303
Anchorage, AK 99503
Contact: Craig Tornga
Phone: (907) 278-4978
Fax: (907) 257-2828
Email: cms@crowley.com
Marine transportation throughout Alaska. North Slope heavy hauling with CATCO all-terrain vehicles.

Northern Transportation

310 K St., Ste. 200
Anchorage, AK 99501
Contact: John Marshall, Lynette Storoz
Phone: (907) 264-6682
Fax: (907) 264-6602
Email: email@ntcl.com
Marine transportation along Alaska's North Slope via Mackenzie River route.

TOTE-Totem Ocean Trailer Express

2511 Tidewater Road
Anchorage, AK 99501
Contact: Curt Stoner
Phone: (907) 265-7215
Phone: (800) 234-8683
Fax: (907) 278-9689
Email: cstoner@totemocean.com
Web site: www.totemocean.com
TOTE's roll on/roll off ships sail two times per week between the Port of Tacoma and the Port of Anchorage. Transit time is a fast 66 hours.

Weaver Brothers

14223 Kenai Spur Hwy.
Kenai, AK 99611
Contact: Glen Dye, terminal mgr.

Phone: (907) 283-7975
 Fax: (907) 283-3677
 Email: glend@wbiialaska.com
 Other Offices:
 Anchorage, Alaska
 Fairbanks, Alaska
Trucking company specializing in oil field winch truck services. Bed tandems & loaders plus rig moving capabilities. Petroleum and chemical trailers, low-boys, bulk trailers, vans and flats.

Equipment Sales/Rental

Air Liquide
 6415 Arctic Blvd.
 Anchorage, AK 99518
 Contact: Brian Benson, tech sales rep
 Phone: (907) 273-9762
 Fax: (907) 561-8364
 Email: brian.benson@airliquide.com
Air Liquide is the dealer and warranty station for Lincoln, Miller, Milwaukee, Victor and most other welding equipment manufacturers

Colville
 Pouch 340012
 Prudhoe Bay, AK 99734
 Contact: Rick Hofreiter or John Daly
 Phone: (907) 659-3197
 Fax: (907) 659-3190
Diesel, gasoline, jet fuel, aviation gasoline in bulk and small quantity deliveries, electronic card-lock fleet management, solid waste and recycling, steel, industrial gases and solid waste.

CONAM Construction
 301 W. Northern Lights Blvd., Ste 300
 Anchorage, AK 99503
 Contact: Bob Stinson
 Phone: (907) 278-6600
 Fax: (907) 278-3255
 Email: bstinson@conamco.com
Oil, gas, and mining facility; pipeline, civil, and commercial construction.

Hanover Canada
 500, 101-6 Ave. SW
 Calgary, AB, T2P 3P4 Canada
 Contact: Rod Saville, Country Mgr.
 Canada
 Phone: (403) 261-6801
 Fax: (403) 266-1066
 Email: info@hanover-co.com
 Web site: www.hanover-canada.com
Hanover Canada is the leading provider of natural gas compression services and equipment in Canada. We maintain an 85,000 horsepower rental compression fleet in Canada and over 3.6 million horsepower rental fleet worldwide. Hanover custom designs production equipment in accordance with customer's specifications using strict internal engineering standards. We have the capability to provide process, mechanical and instrument design engineering for any production equipment project worldwide.

Kenworth Alaska
 2838 Porcupine Dr.
 Anchorage, AK 99501
 Contact: Jim Scherieble, branch mgr.
 Phone: (907) 279-0602
 Phone: (800) 478-0602

Fax: (907) 258-6639
 Email: parts@kenworthalaska.com
 Email: sales@kenworthalaska.com
 Website: www.kenworthalaska.com
 Fairbanks office:
 3730 Braddock St.
 Fairbanks, AK 99701
 Contact: Ed Lewis, branch mgr.
 Phone: (907) 455-9900
 Fax: (907) 479-8295
Kenworth Alaska is a full service truck dealership in two locations – Anchorage and Fairbanks. New and used truck sales, parts and service.

NEI Fluid Technology
 3408 Arctic Blvd.
 Anchorage, AK 99503
 Contact: Kathryn Russell, president
 Phone: (907) 561-4820
 Fax: (907) 562-2316
 Email: sales@neifluid.com
Suppliers of petrochemical refueling and testing equipment, meters and valve systems for the oil and gas industry and portable measurement for petroleum, chemicals and bulk liquids. We also supply refrigerant recovery and recycling equipment.

Peak Oilfield Service
 2525 C St., Ste. 201
 Anchorage, AK 99503
 Contact: Bill Stamps, business development/ex. affairs
 Phone: (907) 263-7000
 Fax: (907) 263-7070
 Email: billstamps@peakalaska.com
 Web site: www.peakalaska.com
Alaska based general contractors.

Petroleum Equipment & Services
 5631 Silverado Way, Ste G
 Anchorage, AK 99518
 Contact: Kevin Durling/Donald Parker
 Phone: (907) 248-0066
 Fax: (907) 248-4429
 Email: sales@pesiak.com
 Web site: www.pesiak.com
P.E.S.I. provides both conventional and specialty products and services for the Alaska oil industry. Regardless of your location, you will receive products and service that is guaranteed to meet your requirements. for Alaska oil industry.

Quadco
 6116 Nielson Way
 Anchorage, AK 99518
 Contact: David Baggett, vp, AK mgr.
 Phone: (907) 563-8999
 Fax: (907) 563-8985
 Email: dbaggett@quadcoinc.com
 Other offices: Farmington NM, Denver CO, Casper WY
Quadco maintains a fleet of oil field instrumentation, solids control and other equipment for oilfield and industrial needs. We represent Varco Oil Tools, MD Totco, Texas Oil Tools, SPM, Derrick Equipment and various other manufacturers. 24 hours on call

Totem Equipment & Supply
 2536 Commercial Dr.
 Anchorage, AK 99501
 Contact: Mike Huston, vp
 Phone: (907) 276-2858
 Fax: (907) 258-4623

Email: sales@toteminc.com
 Web site: www.toteminc.com
Totem Equipment & Supply Inc. locally owned and operated since 1961. Supplies light, medium and heavy equipment. Specializing in temporary and permanent heating solutions.

Travco Industrial Housing, Ltd.
 1507 8 St.
 Nisku, Alberta, Canada
 Contact: Stewart Orange, sales rep.
 Phone: (888) 387-2826
 Fax: (780) 955-8938
 Email: sorange@ptigroup.com
 Web site: www.travco.ca
Travco is a world-class manufacturer of industrial and commercial modular structures. Our modular structures are used around the world as work camps, offices, wellsites, resorts, schools, etc.

Expeditor/Clerk Services

Chiulista Camp Services/Mayflower Catering
 6613 Brayton Dr., Ste. C
 Anchorage, AK 99507
 Contact: George B. Gardner, pres/gm
 Phone: (907) 278-2208
 Fax: (907) 677-7261
 Email: ggardner@calistacorp.com
The 100 percent Alaska Native owned and operated catering company on the North Slope, catering and housekeeping to your tastes, not ours.

Well Safe Inc.
 209 E. 51st Ave.
 Anchorage, AK 99503
 Contact: Ken Carroll, district mgr.
 Phone: (907) 743-9871
 Fax: (907) 743-9872
 Email: kcarroll@wellsafe.com
 Web site: www.wellsafe.com
A full service safety company specializing in remote medical support, expeditors, confined space rescue teams, H2S and safety consultants, OSHA training and rentals/sales of gas detection and breathing air systems.

Fertilizer

Agrium
 P.O. Box 575
 Kenai, AK 99611
 Contact: Lisa Parker, govt. relations
 Phone: (907) 776-3275
 Fax: (907) 776-5579
 Email: lparker@agrium.com
 Web site: www.agrium.com
Value added manufacturer of fertilizer products.

Financial Services

Dynamic Capital Management
 471 W. 36th Ave., Ste. 201
 Anchorage, AK 99503
 Contact: David Gottstein
 Phone: (907) 562-6374
 Toll free: (800) 280-3962 (DYNA)
 Fax: (907) 563-9502
Alaska money management firm, offering experienced professional judgement, leading edge technology, and customized portfolios. Individual and cor-

porate clients.
UBS Financial Services, Inc.
 3000 A St., Ste 100
 Anchorage, AK 99503
 Contact: Steven Lukshin, financial adviser
 Phone: (907) 261-5914
 Toll Free: (866) 261-5914
 Fax: (907) 261-5990
 Email: steven.lukshin@ubs.com
 Web site: www.ubs.com/fa/stevenlukshin
UBS Financial Services is a leading U.S. financial service firm serving individuals, corporations and institutions offering investments, cash management and 401(k) services

Fire Protection

Arctic Fire & Safety
 702 30th Ave.
 Fairbanks, AK 99701
 Contact: Bobby, Shane, Gigi
 Phone: (907) 378-2116
 Fax: (907) 452-7876
 Email: arcfire@yahoo.com
Your Alaskan owned safety specialist since 1975. Extinguisher recharging and sales, alarm/system service, NFPA P.P.E., clothing, MSA airpacks, hydro testing, fire vehicles and accessories, TIC's.

MEDC International
 5829 West Sam Houston Pkwy, North, Ste.1005
 Houston, TX 77041
 Contact: Phil Hausman, sales mgr. - Americas
 Phone: (713) 937-9772
 Fax: (713) 937-9773
 Cell: (713) 410-1144
 Email: phausman@medcint.com
 Other Office: MEDC Ltd. – UK
 Web site: www.medc.com
MEDC design, manufacture and sell a range of UL/CSA/ATEX-NEC/IEC approved field devices for fire & gas and communications systems for use in potentially explosive atmospheres.

Freight/Shipping & Cargo

Air Logistics of Alaska
 1915 Donald Ave.
 Fairbanks, AK 99701
 Phone: (907) 452-1197
 Fax: (907) 452-4539
 Contact: Dave Scarbrough
 Phone: Anchorage: (907) 248-3335
 Email: dscarbrough@airlogak.com
Helicopter contract and charter services.

Alaska Airlines Cargo
 P.O. Box 68900
 Seattle, WA 98168
 Contact: Keola Pang-Ching, director, cargo sales
 Phone: (206) 433-3122
 Fax: (206) 433-3225
 Email: Keola.pang-ching@alaskaair.com
Award winning cargo services to more places, more often, with more lift to, from, and within the state of Alaska.

Alaska Railroad Corp.
 P.O. Box 107500
 Anchorage, AK 99510
 Contact: Katie Bender, Marketing and

Alaska Massage & Bodyworks



*Rejuvenate your vitality!
 Escape to a tranquil respite of five-star service and expertise.*

Professional Massage Therapy for the Executive and the Traveler

*Jet Lag Treatments * Travel Fatigue Solutions
 Corporate Stress Relief Sessions * Lunch Break Escapes*

Hilton Anchorage Fitness Center, 500 W 3rd Ave, Anchorage, Alaska
 (907) 240-6880
 www.akmassage.com

Logistics Technician
Phone: (907) 265-2485
Fax: (907) 265-2597
Email: benderk@akrr.com
The Alaska Railroad Corporation offers real estate, passenger and freight services – including complete services to move your freight between Alaska, the Lower 48 and Canada.

Alaska Terminals
400 W 70th Ave., Ste. 3
Anchorage, AK 99518
Contact: Calista Wood
Phone: (907) 349-6657
Fax: (907) 349-2045
Email: akbestmove@akterminals.com
Web site: www.akterminals.com
Other Offices:
Mitchell Moving & Storage, Seattle
Glacier State Moving & Storage, Fairbanks
Alaska Terminals provides full service household goods relocation services to, from, and within Alaska. International, and local residential and office moves; heated, and secured storage.

Brooks Range Supply
Pouch 340008
1 Old Spine Road
Prudhoe Bay, AK 99734
Contact: Mike Kunkel/Craig Welch, general managers
Phone: (907) 659-2550
Toll Free: (866) 659-2550
Fax: (907) 659-2650
Email: brooks@astacalaska.com
Expediting and delivery of hardware and more throughout oilfield and North Slope villages. Open 24 hours, 365 days a year. Toll free number 866-659-2550.

CN Aquatrain
3015 Madison Way
Anchorage, AK 99508
Contact: Laurie A. Gray, agent
Phone: (907) 279-3131
Toll free: (800) 999-0541
Fax: (907) 272-3963
CN Aquatrain has provided Alaska with dependable access to Canadian and Lower 48 markets for 38 years.

Carlile Transportation Systems
1800 E. 1st Ave.
Anchorage, AK 99501
Contact: Linda Leary
Ph: (907) 267-7797
Fax: (907) 276-6786
Email: lleary@carlilekw.com
Other Offices: Fairbanks, Prudhoe Bay, Kenai, Seward, Federal Way, WA, Houston, TX, Edomonton, ALTA
Alaska owned and operated, full service, multi-modal, transportation and logistics company.

Crowley Alaska
2525 C St., Ste. 303
Anchorage, AK 99503
Contact: Craig Tornga
Phone: (907) 278-4978
Fax: (907) 257-2828
Email: cms@crowley.com
Marine transportation throughout Alaska. North Slope heavy hauling with CATCO all-terrain vehicles.

ERA Aviation
6160 Carl Brady Drive
Anchorage, AK 99502
Contact: Bryan Blixhavn
Phone: (907) 248-4422
Fax: (907) 266-8383
Email: info@eraaviation.com
Web site: www.eraaviation.com
Helicopter and fixed wing contract and charter services; scheduled airline service.

F.S. Air
6121 S. Airpark Place
Anchorage, AK 99502
Contact: Sandra Butler
Phone: (907) 248-9595
Fax: (907) 243-1247

Kenai Aviation
P. O. Box 46
Kenai, AK 99611
Contact: Bob or Jim Bielefeld
Phone: (907) 283-4124
Phone: (800) 478-4124 (within Alaska)
Fax: (907) 283-5267
Email: kb@chugach.net
Air taxi services provided since 1961 state wide, mostly Cook Inlet. Single engine and twin Bonanza.

Lynden
Alaska Marine Lines
Alaska Railbelt Marine
Alaska West Express
Lynden Air Cargo
Lynden Air Freight
Lynden International
Lynden Logistics
Lynden Transport
6441 S. Airpark Pl.
Anchorage, AK 99502
Contact: Jeanine St. John
Phone: (907) 245-1544
Fax: (907) 245-1744
Email: custsvc@lynden.com
The combined scope of the Lynden companies includes truckload and less-than-truckload highway connections, scheduled barges, intermodal bulk chemical hauls, scheduled and chartered air freighters, domestic and international air forwarding and international sea forwarding services.

Northern Air Cargo
3900 W. International Airport Rd.
Anchorage, AK 99502
Contact: Nick Karnos, acct. mgr.
Anch./Prudhoe Bay
Phone: (907) 249-5161
Fax: (907) 249-5194
Email: nkarnos@nac.aero
Web site: www.nac.aero
Serving the aviation needs of rural Alaska for almost 50 years, NAC is the states largest all cargo carrier moving nearly 100 million pounds of cargo on scheduled flights to 17 of Alaska's busiest airports. NAC's fleet of DC-6, B-727, and ATR-42 aircraft are available for charters to remote sites and flag stops to 44 additional communities.

Northern Transportation
310 K St., Ste. 200
Anchorage, AK 99501
42003 McKenzie Hwy.
Hay River, NWT X0E0R9
Contact: John Marshall
Phone: (867) 874-5167
Fax: (867) 874-5179
Email: jmarshall@ntcl.com
Web site: www.ntcl.com
Marine transportation along the McKenzie River to the Beaufort Sea and Alaska's North Slope.

Northwestern Arctic Air
6231 S. Airpark Pl.
Anchorage, AK 99502
Contact: Judy McClellan, office mgr.
Phone: (907) 245-4566
Fax: (907) 245-4567
Email: pugslic@pobox.alaska.net
Web site: www.NWArcticAirAK.com
All jet fleet 24/7. Large cargo doors accommodate long drilling equipment. HAZMAT and express package delivery services provided. Member Medallion Foundation.

Oilfield Transport
6816 Lowell Cir.
Anchorage, AK 99502
Contact: Henry Minich
Phone: (907) 229-9647
Fax: (907) 245-8930
Email: henryminich@aol.com
Complete on-site rig service and logistics since 1975. Highway and remote transportation of equipment via barge or air, for mining or oilfield projects, to any location in Alaska.

Panalpina
4305 W. International Airport Rd.
Anchorage, AK 99502
Contact: John Hodel, branch mgr.
Phone: (907) 245-8008
Fax: (907) 245-8018
Email: john.hodel@panalpina.com
Web site: www.panalpina.com
Other offices:
Houston: (281) 446-0600
Calgary: (403) 291-1137
International and domestic freight forwarding and logistics services. Integrated solutions for supply chain management. Specialists in oil and energy projects.

Renew Air Taxi
P.O. Box 61230
Fairbanks, AK 99706
Contact: Bob Wener
Phone: (907) 457-7287
Fax: (907) 457-7288
Email: renew1@aol.com
Web site: www.RenewAir.com
Other Office:
Dillingham, AK 99576

Phone: (907) 842-3440
Turbine Otter air support for remote seismic exploration, mining and construction sites. Cargo, fuel and passengers on wheels, wheel skis and amphibian floats.

Span-Alaska Consolidators
8130 S. 216th St.
Kent, WA 98032
Contact: Tom Landry, executive v. p.
Phone: (800) 257-7726
Phone: (907) 349-3606 (Anchorage)
Fax: (253) 395-7986
Email: toml@spanalaska.com
Website: www.spanalaska.com
Alaskan freight consolidator/forwarder serving all of Alaska with timely and friendly service. Inbound service from the Lower 48 to Alaska. "Promises Made, Promises Delivered"

TOTE-Totem Ocean Trailer Express
2511 Tidewater Road
Anchorage, AK 99501
Contact: Curt Stoner
Phone: (907) 265-7215
Phone: (800) 234-8683
Fax: (907) 278-9689
Email: cstoner@totemocean.com
Web site: www.totemocean.com
TOTE's roll on/roll off ships sail two times per week between the Port of Tacoma and the Port of Anchorage. Transit time is a fast 66 hours.

Fueling Services

Colville
Pouch 340012
Prudhoe Bay, AK 99734
Contact: John Daly, Kevin Cilk
Phone: (907) 659-3197
Fax: (907) 659-3190
Email: prudhoe1@aol.com
Diesel, gasoline, jet fuel, aviation gasoline in bulk and small quantity deliveries, electronic card-lock fleet management, solid waste and recycling, industrial gases and solid waste. Tesoro fuel station.

General Oilfield Supplies

Alaska Tent & Tarp
529 Front St.
Fairbanks, AK 99701
Contact: Jim Haselberger
Phone: (907) 456-6328
Phone: (800) 478-8368
Fax: (907) 452-5260
Email: aktent@ptialaska.net
We are a commercial and industrial fabric business. We make covers.

MRO Sales
5631 Silverado Way, Unit G
Anchorage, AK 99518
Contact: Don Powell
Phone: (907) 248-8808
Fax: (907) 248-8878
Email: Sales1@mrosalesinc.com
Web site: www.mrosalesinc.com
Other offices:
Kenai: Al Hull (907) 335-2782
MRO Sales offers products and services that are special to the Alaskan market. MRO can help solve the time problem on hard to find items.

NEI Fluid Technology
3408 Arctic Blvd.
Anchorage, AK 99503
Contact: Kathryn Russell, president
Phone: (907) 561-4820
Fax: (907) 562-2316
Email: sales@neifluid.com
Suppliers of petrochemical refueling and testing equipment, meters and valve systems for the oil and gas industry and portable measurement for petroleum, chemicals and bulk liquids. We also supply refrigerant recovery and recycling equipment.

Geophysical & Geological Services

ASRC Energy Services – Engineering and Technology
3900 C St.
Anchorage, AK 99503
Contact: John Lewis, vp operations
Phone: (907) 339-6200
Fax: (907) 339-6212
Email: john.lewis@ascrcenergy.com
Web site: www.ascrcenergy.com

Drilling and completion engineering, well stimulation, facilities engineering, upstream exploration and production services, geological and geophysical services, automation, electrical and instrumentation, platform renovation and construction.

ENSR International
1835 S. Bragaw St., Ste. 490
Anchorage, AK 99512
Contact: Chris L. Humphrey, P.E.
Phone: (907) 561-5700
Fax: (907) 273-4555
Email: chumphrey@ensr.com
Serving Alaska since 1977. ENSR is an environmental engineering and consulting firm with more than 70 offices worldwide providing environmental planning, assessment, permitting, compliance management and contamination cleanup.

Golder Associates
1750 Abbott Rd., Ste. 200
Anchorage, AK 99507
Contact: Bob Dugan, mgr., Tom Krzewinski, Mark Musial, Bucky Tart
Phone: (907) 344-6001
Fax: (907) 344-6011
Website: www.golder.com
Providing geotechnical engineering, water resource, and geosciences services in support of resource development projects in Alaska and the Arctic. Other offices worldwide.

Hunter 3-D
9898 Bissonnet St., Ste. 362
Houston, TX 77036
Contact: Dan Huston, vice president
Phone: (713) 981-4650
Fax: (713) 981-4650
Email: hunter3d@wt.net
Web site: www.hunter3dinc.com
Hunter 3-D is a geophysical consulting company based in Houston, Texas. We interpret seismic, gravity and magnetic data for projects in Alaska and worldwide.

Petrotechnical Resources of Alaska (PRA)
3601 C St., Ste. 1378
Anchorage, AK 99503
Contact: Tom Walsh
Phone: (907) 272-1232
Fax: (907) 272-1344
Email: info@petroak.com
Our multidisciplinary staff of qualified and experienced professionals possess a diverse array of technical capabilities to provide our clients with a full spectrum of geoscience and engineering consulting services.

PGS Onshore
341 W. Tudor Rd., Ste. 206
Anchorage, AK 99503
Contact: Larry Watt, Alaska area mgr.
Phone: (907) 569-4049
Fax: (907) 569-4047
Email: larry.watt@pgsonshore.com
Houston Office
738 Hwy 6 South, Ste 900
Houston, TX 77079
Contact: Gehrig Schultz
Phone: (281) 589-6732
Fax: (281) 589-6685
Email: gehrig.schultz@pgsonshore.com
Geophysical acquisition and processing for the petroleum industry. PGS Onshore provides fully rubber tracked Arctic geophysical crews to acquire the highest density data with the softest environmental footprint on the North Slope.

Schlumberger Oilfield Services
2525 Gambell St.
Anchorage, AK 99503
Contact: Daniel Palmer
Phone: (907) 273-1700
Fax: (907) 561-8317
Email: Palmer2@slb.com
Web site: www.slb.com
Schlumberger Oilfield Services provides people and technology, working together to offer exploration and production solutions for the life of oil and gas reservoirs.

Smith Consulting Services
16467 Noble Point Drive
Anchorage, AK 99516
Contact: Larry Smith
Phone: (907) 345-3250
Fax: (907) 345-3250
Email: ljsmith@gci.net
Providing geophysical consulting services including seismic acquisition planning and field QC as well as interpreta-

tion, mapping and GIS data integration using Kingdom Suite and ArcGIS software.

Health Care Professionals

Aeromed International
4700 Business Park Blvd., Ste. E25
Anchorage, AK 99503
Contact: Brooks Wall, director
Phone: (907) 677-7501
Fax: (907) 677-7502
Email: brooks_wall@ykhc.org
Web site: www.ykhc.org
Aeromed International is an all jet critical care air ambulance fleet based in Anchorage. Medical crews are certified Flight Nurses and certified Flight Paramedics.

Alaska Massage & Bodyworks
Hilton Anchorage Fitness Center
500 W. 3rd Ave.
Anchorage, AK 99501
Contact: Patricia Main
Phone: (907) 240-6880
Email: amb@akmassage.com
Web site: www.akmassage.com
Alaska Massage & Bodyworks is the in-house professional massage therapy service at the Hilton Anchorage Hotel. Sessions are available for hotel guests and Anchorage residents. The service is available seven days a week on the fifth floor of the hotel. Patricia Main, a certified massage therapist, owns and operates the service. The staff has specialized training in Swedish, deep tissue, injury treatment and trigger point massage.

Worksafe
300 W. 36th Ave., Ste. A
Anchorage, AK 99503
Phone: (907) 563-8378
Fax: (907) 563-8380
Web site: www.worksafeinc.com
Worksafe works to keep your employees from getting hurt on the job if they are using drugs or alcohol. Worksafe Drug Testing increases productivity, reduces liability with fewer injuries and accidents and provides insurance cost savings.

Helicopter Contract & Charter Services

Air Logistics of Alaska
1915 Donald Ave.
Fairbanks, AK 99701
Phone: (907) 452-1197
Fax: (907) 452-4539
Contact: Dave Scarbrough
Phone: Anchorage: (907) 248-3335
Email: dscarbrough@airlogak.com
Helicopter contract and charter services.

Era Aviation
6160 Carl Brady Dr.
Anchorage, AK 99502
Contact: John Holland
Phone: (907) 248-4422
Fax: (907) 266-8383
Helicopter and fixed wing contract and charter services; scheduled airline service.

Evergreen Helicopters of Alaska
1936 Merrill Field Drive
Anchorage, AK 99501
Contact: Joy Journeay, marketing mgr.
Phone: (907) 257-1519
Fax: (907) 257-1535
Email: joy@evergreenak.com
Contact: Greg Thies, director, marketing
Phone: (907) 257-1504
Email: g.thies@evergreenak.com
Contact: Christina Wallace, director, sales
Phone: (907) 257-1513
Email: christina.wallace@evergreenaviation.com
Nome office: (907) 443-5334
Airlines office: (907) 257-1500
Website: evergreenaviation.com
Evergreen's diverse fleet has provided award-winning safety to Alaskans since 1960 in petroleum exploration & production, firefighting, forestry, construction, search & rescue, cargo transport, and utility transmission.

Industrial Gases

Air Liquide
6415 Arctic Blvd.

Anchorage, AK 99518
Contact: Brian Benson, tech sales rep
Phone: (907) 273-9762
Fax: (907) 561-8364
Email: brian.benson@airliquide.com
Air Liquide is your local manufacturer and supplier of industrial, medical, and scientific gas in Alaska. We also supply bulk gases and dry ice statewide.

Colville
Pouch 340012
Prudhoe Bay, AK 99734
Contact: John Daly, Kevin Cilk
Phone: (907) 659-3197
Fax: (907) 659-3190
Email: prudhoe1@aol.com
Diesel, gasoline, jet fuel, aviation gasoline in bulk and small quantity deliveries, electronic card-lock fleet management, solid waste and recycling, industrial gases and solid waste. Tesoro fuel station.

Industrial Parts & Supply

Air Liquide
6415 Arctic Blvd.
Anchorage, AK 99518
Contact: Brian Benson, tech sales rep
Phone: (907) 273-9762
Fax: (907) 561-8364
Email: brian.benson@airliquide.com
Air Liquide is the dealer and warranty station for Lincoln, Miller, Milwaukee, Victor and most other welding equipment manufacturers

Brooks Range Supply
Pouch 340008
1 Old Spine Road
Prudhoe Bay, AK 99734
Contact: Mike Kunkel/Craig Welch, general managers
Phone: (907) 659-2550
Toll Free: (866) 659-2550
Fax: (907) 659-2650
Email: brooks@astacalaska.com
Your source on the Slope for safety supplies, welding supplies, automotive and truck parts, hardware, tools, steel, building materials, glass, propane, hydraulic hoses and fittings, paint and chemicals. Napa and True Value Hardware distributor.

Unique Machine
5839 Old Seward Hwy
Anchorage, AK 99518
Contact: Pat Hanley, COO
Phone: (907) 563-3012
Fax: (907) 562-1376
Email: office@uniquemachineinc.com
Website: www.uniquemachineinc.com
Connections; API 5CT, API 7B, Grant Prideco H-Series, Hydril, Hunting, Atlas Bradford, NS Technology Co, Inc., Vallourec and Vam PTS proprietary connections.

U.S. Bearings & Drives
611 E. International Airport Rd.
Anchorage, AK 99518
Contact: Dena Kelley, operations mgr.
Phone: 563-3000
Fax: 563-1003
Email: dkelley@bearings.com
Web site: www.bearings.com
U.S. Bearings & Drives, formerly BESCO has been providing bearings and drive components to our Alaskan customers since 1952. We offer quality components and experienced personnel.

Inspection Services

Engineered Fire & Safety
3138 Commercial Dr.
Anchorage, AK 99501
Contact: Don Maupin, gen. mgr.
Phone: (907) 274-7973 ext. 123
Fax: (907) 274-6265
Email: d.maupin@efs-fire.com
Web site: www.efs-fire.com
An industry leader in the design, integration and testing of safety solutions for high value risks. UL system certifications and panel fabrication.

Kakivik Asset Management
5401 Fairbanks St., Ste. 3
Anchorage, AK 99518
Phone: (907) 770-9400
Fax: (907) 770-9450
Contact: Mark Hysten, president/CEO
Email: mhysten@kakivik.com
Web site: www.kakivik.com
Fairbanks Office
Phone: (907) 451-4898

Fax: (907) 451-4897
Valdez Office
Phone: (907) 831-1390
Offering all elements of nondestructive testing, inspection services, quality control and asset management.

Udelhoven Oilfield System Services
Anchorage office:
184 E. 53rd Ave.
Anchorage, AK 99518
Phone: (907) 344-1577
Fax: (907) 522-2541
Nikiski office:
P.O. Box 8349
Nikiski, AK 99635
Phone: (907) 776-5185
Fax: (907) 776-8105
Prudhoe office:
Pouch 340103
Prudhoe Bay, AK 99734
Phone: (907) 659-8093
Fax: (907) 659-8489
Serving Alaska for more than 25 years.

Instrumentation Systems

Arctic Controls
1120 E. 5th Ave.
Anchorage, AK 99501
Contact: Scott Stewart, president
Phone: (907) 277-7555
Fax: (907) 277-9295
Email: sstewart@arcticcontrols.com
Website: www.arcticcontrols.com
An Alaskan owned and operated company since 1985, Arctic Controls, Inc. has been highly successful as manufacturer representatives for the state of Alaska in the Process Control and Instrumentation field. Selling equipment to the oil and gas markets, mining and water wastewater/municipal markets.

Epoch Well Services
5801 Silverado Way
Anchorage, AK 99518
Contact: James R. Carson, AK div. mgr.
Phone: (907) 561-2465
Fax: (907) 561-2474
Email: jcarson@nabors.com
RIGWATCH is a complete digital drilling instrumentation system that monitors all drill floor and mud system parameters. Critical data is displayed and archived on workstations located at key points on the rig.

Quadco
6116 Nielson Way
Anchorage, AK 99518
Contact: David Baggett, vp, AK mgr.
Phone: (907) 563-8999
Fax: (907) 563-8985
Email: dbaggett@quadcoinc.com
Other offices: Farmington NM, Denver CO, Casper WY
Quadco maintains a fleet of oil field instrumentation, solids control and other equipment for oilfield and industrial needs. We represent Varco Oil Tools, MD Totco, Texas Oil Tools, SPM, Derrick Equipment and various other manufacturers. 24 hours on call

Laboratory Services

Kakivik Asset Management
5401 Fairbanks St., Ste. 3
Anchorage, AK 99518
Phone: (907) 770-9400
Fax: (907) 770-9450
Contact: Mark Hysten, president/CEO
Email: mhysten@kakivik.com
Web site: www.kakivik.com
Fairbanks Office
Phone: (907) 451-4898
Fax: (907) 451-4897
Valdez Office
Phone: (907) 831-1390
Offering all elements of nondestructive testing, inspection services, quality control and asset management.

Legal Services

Perkins Coie
1029 W. 3rd Ave., Ste. 300
Anchorage, AK 99501
Contact: Eric Fjelstad, attorney
Email: E.fjelstad@perkinscoie.com
Contact: Teresa Berwick, attorney
Email: Tberwick@perkinscoie.com
Phone: (907) 279-8561
Fax: (907) 276-3108
Other Offices:
Beijing, Bellevue, Boise, Chicago, Denver,

Hong Kong, Los Angeles, Menlo Park, Olympia, Portland, San Francisco, Seattle, Washington D.C.
Website: www.perkinscoie.com
Perkins Coie law firm handles oil spill planning, air emissions, NPDES permits, hazardous waste, CERCLA, wetlands permits, NEPA, and other environmental and natural resources issues.

Lodging

Hilton Anchorage Hotel
500 West Third Ave.
Anchorage, AK 99501
Contact: Karen Boshell
Phone: (907) 272-7411
Phone: 1-800-445-8667
Fax: (907) 265-7042
Web site: www.anchorage.hilton.com
At the Hilton, guests discover unexpected luxury. We are just steps away from shopping, day tours, fishing and the convention center. The Hilton's 600 guest rooms and suites, three restaurants, indoor pool, and native art collection will make your stay complete.

Logistics

Alaska Railroad Corp.
P.O. Box 107500
Anchorage, AK 99510
Contact: Katie Bender, Marketing and Logistics Technician
Phone: (907) 265-2485
Fax: (907) 265-2597
Email: benderk@akrr.com
The Alaska Railroad Corporation offers real estate, passenger and freight services – including complete services to move your freight between Alaska, the Lower 48 and Canada.

Carlile Transportation Systems
1800 E. 1st Ave.
Anchorage, AK 99501
Contact: Linda Leary
Ph: (907) 267-7797
Fax: (907) 276-6786
Email: lleary@carlilekw.com
Other Offices: Fairbanks, Prudhoe Bay, Kenai, Seward, Federal Way, WA, Houston, TX, Edomonton, ALTA
Alaska owned and operated, full service, multi-modal, transportation and logistics company.

Crowley Alaska
2525 C St., Ste. 303
Anchorage, AK 99503
Contact: Craig Tornga
Phone: (907) 278-4978
Fax: (907) 257-2828
Email: cms@crowley.com
Complete materials supply services to remote locations. Marine transport throughout Alaska. Oil field services including heavy hauling with all-terrain vehicles on North Slope.

The Fairweather Companies
2000 E. 88th Ave.
Anchorage, AK 99507
Contact: Bill Penrose
Phone: (907) 258-3446
Fax: (907) 279-5740
Website: www.fairweather.com
The Fairweather Companies provide project management, engineering, drilling, permitting, logistics, and operational services to the exploration and production sectors of the petroleum industry.

Lynden
Alaska Marine Lines
Alaska Railbelt Marine
Alaska West Express
Lynden Air Cargo
Lynden Air Freight
Lynden International
Lynden Logistics
Lynden Transport
6441 S. Airpark Pl.
Anchorage, AK 99502
Contact: Jeanine St. John
Phone: (907) 245-1544
Fax: (907) 245-1744
Email: custsvc@lynden.com
The combined scope of the Lynden companies includes truckload and less-than-truckload highway connections, scheduled barges, intermodal bulk chemical hauls, scheduled and chartered air freighters, domestic and international air forwarding and international sea forwarding services.

MRO Sales

5631 Silverado Way, Unit G
Anchorage, AK 99518
Contact: Don Powell
Phone: (907) 248-8808
Fax: (907) 248-8878
Email: Sales1@mrosalesinc.com
Web site: www.mrosalesinc.com
Other offices:
Kenai: Al Hull (907) 335-2782
Prudhoe Bay: Joe Bob Bruster (907) 659-2868
We provide Professional Procurement Service for hard-to-find supplies, parts and equipment. Regardless of your location, you will receive service that is guaranteed to meet your requirements. From Anchorage to Siberia, from ship-ping to communications, you receive service from the experts that have 'Been There, Done That'

Northern Air Cargo

3900 W. International Airport Rd.
Anchorage, AK 99502
Contact: Nick Karnos, acct. mgr.
Anch./Prudhoe Bay
Phone: (907) 249-5161
Fax: (907) 249-5194
Email: nkarnos@nac.aero
Web site: www.nac.aero
Serving the aviation needs of rural Alaska for almost 50 years, NAC is the states largest all cargo carrier moving nearly 100 million pounds of cargo on scheduled flights to 17 of Alaska's busiest airports. NAC's fleet of DC-6, B-727, and ATR-42 aircraft are available for charters to remote sites and flag stops to 44 additional communities.

Northern Transportation

310 K St., Ste. 200
Anchorage, AK 99501
42003 McKenzie Hwy.
Hay River, NWT X0E0R9
Contact: John Marshall
Phone: (867) 874-5167
Fax: (867) 874-5179
Email: jmarshall@ntcl.com
Web site: www.ntcl.com
Marine transportation along the McKenzie River to the Beaufort Sea and Alaska's North Slope.

Northwestern Arctic Air

6231 S. Airpark Pl.
Anchorage, AK 99502
Contact: Judy McClellan, office mgr.
Phone: (907) 245-4566
Fax: (907) 245-4567
Email: pugslic@pobox.alaska.net
Web site: www.NWArcticAirAK.com
On-demand, worldwide, air charter service, Russia Far-East experience, medical transports, express package delivery, secure convenient, cost-effective, 24/7. Member Medallion Foundation.

Panalpina

4305 W. International Airport Rd.
Anchorage, AK 99502
Contact: John Hodel, branch mgr.
Phone: (907) 245-8008
Fax: (907) 245-8018
Email: john.hodel@panalpina.com
Web site: www.panalpina.com
Other offices:

Houston: (281) 446-0600
Calgary: (403) 291-1137
International and domestic freight forwarding and logistics services. Integrated solutions for supply chain management. Specialists in oil and energy projects.

Span-Alaska Consolidators

8130 S. 216th St.
Kent, WA 98032
Contact: Tom Landry, executive v. p.
Phone: (800) 257-7726
Phone: (907) 349-3606 (Anchorage)
Fax: (253) 395-7986
Email: toml@spanalaska.com
Website: www.spanalaska.com
Alaskan freight consolidator/forwarder serving all of Alaska with timely and friendly service. Inbound service from the Lower 48 to Alaska. "Promises Made, Promises Delivered."

Umiat Commercial

2700 S. Cushman St.
Fairbanks, AK 99701
Contact: Mike Tolbert
Phone: (907) 452-6631
Fax: (907) 451-8632
Email: mike@taigaventures.com
UCC provides lodging and fuel sales at Umiat located on the Colville River. We

are open 24 hours a day everyday of the year.

Machining

Unique Machine
5839 Old Seward Hwy
Anchorage, AK 99518
Contact: Pat Hanley, COO
Phone: (907) 563-3012
Fax: (907) 562-1376
Email: office@uniquemachineinc.com
Web site: www.uniquemachineinc.com
The design, development, manufacture and distribution of oilfield, construction, mining, fishing, and government parts to industry quality standards.

Maintenance

Alaska Tent & Tarp
529 Front St.
Fairbanks, AK 99701
Contact: Jim Haselberger
Phone: (907) 456-6328
Phone: (800) 478-8368
Fax: (907) 452-5260
Email: aktent@ptialaska.net
We are a commercial and industrial fabric business. We make covers.

Arctic Controls

1120 E. 5th Ave.
Anchorage, AK 99501
Contact: Scott Stewart, president
Phone: (907) 277-7555
Fax: (907) 277-9295
Email: sstewart@arcticcontrols.com
Website: www.arcticcontrols.com
An Alaskan owned and operated company since 1985, Arctic Controls, Inc. has been highly successful as manufacturer representatives for the state of Alaska in the Process Control and Instrumentation field. Selling equipment to the oil and gas markets, mining and water waste-water/municipal markets.

ASRC Energy Services - Operations and Maintenance

3900 C St.
Anchorage, AK 99503
Contact: Mark Nelson, exec. vp
Phone: (907) 339-6200
Fax: (907) 339-6212
Email: mark.nelson@asrcenergy.com
Web site: www.asrcenergy.com
Oil and gas services, industrial construction, operations and maintenance, module fabrication and assembly, project management and non-destructive testing.

Engineered Fire & Safety

3138 Commercial Dr.
Anchorage, AK 99501
Contact: Don Maupin, gen. mgr.
Phone: (907) 274-7973 ext. 123
Fax: (907) 274-6265
Email: d.maupin@efs-fire.com
Web site: www.efs-fire.com
An industry leader in the design, integration and testing of safety solutions for high value risks. UL system certifications and panel fabrication.

MRO Sales

5631 Silverado Way, Unit G
Anchorage, AK 99518
Contact: Don Powell
Phone: (907) 248-8808
Fax: (907) 248-8878
Email: Sales1@mrosalesinc.com
Web site: www.mrosalesinc.com
Other offices:
Kenai: Al Hull (907) 335-2782
We are a stocking distributor for top-of-the-line waste oil heaters (Reznor), waste water flocculants (Waterclear), environmentally friendly solvents for your parts washer (PT Technology), corrosion and erosion repair and maintenance polymers (Belzona), Vapor phase (VpCI™) and Migrating Corrosion Inhibitors (MCI) (Cortec) and valve lubricants and sealants (Chemola).

Management Consultant

Hawk Consultants
200 W. 34th Ave., Ste. 809
Anchorage, AK 99503
Contact: Maynard Tapp, president
Phone: (907) 278-1877
Fax: (907) 278-1889
Email: info@hawkpros.com
Providing people and resources to the oil, gas, power, telecommunication and

public works industries. Services include strategic planning, full service project management team consulting/outourcing, supplemental professionals, professionals, management consulting services.

Maps

AeroMap U.S.
2014 Merrill Field Dr.
Anchorage, AK 99501
Contact: Holly Holmes, Marketing
Phone: (907) 272-4495
Fax: (907) 274-3265
Email: hholmes@aeromap.com
Web site: www.aeromap.com
AeroMap provides geospatial information about the earth utilizing land, airborne and satellite sensors. We define its topography, measure its features, and chronicle its condition.

Mapmakers Alaska

259 S. Alaska St.
Palmer, AK 99645
Contact: Brit Lively, manager
Phone: (907) 745-3398
Fax: (907) 745-6733
Maps for oil and gas industry and custom map work

Marketing Solutions

3330 C. St., Ste. 101
Anchorage, AK 99503
Contact: Laurie Fagnani, president/owner
Phone: (907) 569-7070
Fax: (907) 569-7090
Email: lfagnani@marketingsol.net
Web site: www.marketingsol.net
Marketing Solutions a full-service award-winning advertising and public relations firm also designs and produces full-scale custom maps.

Smith Consulting Services

16467 Noble Point Drive
Anchorage, AK 99516
Contact: Larry Smith
Phone: (907) 345-3250
Fax: (907) 345-3250
Email: ljsmith@gci.net
Providing geophysical consulting services including seismic acquisition planning and field QC as well as interpretation, mapping and GIS data integration using Kingdom Suite and ArcGIS software.

Marine Services & Construction

American Marine Corp.
6000 A St.
Anchorage, AK 99518
Contact: Tom Ulrich, reg. mgr. svc. group
Phone: (907) 562-5420
Fax: (907) 562-5426
Email: alaska@amsghq.com
Web site: www.amsghq.com
American Marine Corp. provides full service marine construction and diving services throughout Alaska and the Pacific Basin.

Offshore Divers

5400 Eielson St.
Anchorage, AK 99518
Contact: Don Ingraham, owner/mgr.
Contact: Leif Simcox, owner/oper. mgr.
Phone: (907) 563-9060
Fax: (907) 563-9061
Email: don@offshoredivers.com
Web site: http://www.offshoredivers.com
Offshore Divers is an Alaska owned diving contractor specializing in sub-sea oil-field work on mooring systems, pipelines, platforms and docks in Cook Inlet, on the North Slope and in Valdez.

Peak Oilfield Service

2525 C St., Ste. 201
Anchorage, AK 99503
Contact: Bill Stamps, business development/ex. affairs
Phone: (907) 263-7000
Fax: (907) 263-7070
Email: billstamps@peakalaska.com
Web site: www.peakalaska.com
Alaska based general contractors.

Storm Chasers Marine Services

P.O. Box 757
Seward, AK 99664
Contact: Mica Van Buskirk
Phone: (907) 224-3536
Fax: (907) 224-6080
Email: sci@seward.net

Providing quality marine services in Alaska for over 15 years. Commercial diving, underwater welding, underwater inspection with video, vessel repair, marine construction and marine salvage services.

Mat Systems

Alaska Dreams
522 Goldstreak Rd.
Fairbanks, AK 99712
Contact: M. Huser, president
Phone: (907) 455-7712
Fax: (907) 455-7713
Email: AlaskaDreams@att.net
Custom fabrication of timber or timber with steel combination heavy-duty equipment or road mats, prefabricated retaining walls, containment enclosures or helicopter landing platforms.

Carolina Mat Co.

P.O. Box 339
Plymouth, NC 27962
Contact: Susan Harrison, owner
Phone: (252) 793-4045
Fax: (252) 793-5187
Email: carolinamat@earthlink.net
Website: www.carolinamat.com
Company established in 1985. Manufacture 3-ply patented, bolted, portable, reusable, solid oak construction mats. Guaranteed to hold up to 50 tons, the mats are interlocking and non-interlocking, countersunk or non-countersunk.

Mechanical & Electrical Inspection**Udelhoven Oilfield System Services**

Anchorage office:
184 E. 53rd Ave.
Anchorage, AK 99518
Phone: (907) 344-1577
Fax: (907) 522-2541
Nikiski office:
P.O. Box 8349
Nikiski, AK 99635
Phone: (907) 776-5185
Fax: (907) 776-8105
Prudhoe office:
Pouch 340103
Prudhoe Bay, AK 99734
Phone: (907) 659-8093
Fax: (907) 659-8489
Serving Alaska for more than 25 years.

Meetings & Conventions**Hilton Anchorage Hotel**

500 West Third Ave.
Anchorage, AK 99501
Contact: Karen Boshell
Phone: (907) 272-7411
Phone: 1-800-445-8667
Fax: (907) 265-7042
Web site: www.anchorage.hilton.com
At the Hilton, guests discover unexpected luxury. We are just steps away from shopping, day tours, fishing and the convention center. The Hilton's 600 guest rooms and suites, three restaurants, indoor pool, and native art collection will make your stay complete.

Metal Distributors**Alaska Steel Co.**

1200 W. Dowling
Anchorage, AK 99518
Contact: Joe Lombardo, vice president
Phone: (907) 561-1188
Toll free: (800) 770-0969 (AK only)
Fax: (907) 561-2935
Email: j.lombardo@alaskasteel.com
Fairbanks office:
2800 S. Cushman
Contact: Dan Socha, branch mgr.
Phone: (907) 456-2719
Fax: (907) 451-0449
Kenai office:
205 Trading Bay Rd.
Contact: Will Bolz, branch mgr.
Phone: (907) 283-3880
Fax: (907) 283-3759
Full-line steel and aluminum distributor. Complete processing capabilities, statewide service. Specializing in low temperature steel.

Mining

Usibelli Coal Mine
 100 Cushman St., Ste. 210
 Fairbanks, AK 99701
 Contact: Bill Brophy, vp cust. relations
 Phone: (907) 452-2625
 Fax: (907) 451-6543
 Email: info@usibelli.com
 Web site: www.usibelli.com
 Other Office
 P. O. Box 1000
 Healy, AK 99743
 Phone: (907) 683-2226
Usibelli Coal Mine is headquartered in Healy, Alaska and has 200 million tons of proven coal reserves. Usibelli produced one million tons of sub-bituminous coal this year.

Movers/Relocation

Alaska Terminals
 400 W 70th Ave., Ste.3
 Anchorage, AK 99518
 Contact: Calista Wood
 Phone: (907) 349-6657
 Fax: (907) 349-2045
 Email: akbestmove@akterminals.com
 Web site: www.akterminals.com
 Other Offices:
 Mitchell Moving & Storage, Seattle
 Glacier State Moving & Storage, Fairbanks
Alaska Terminals provides full service household goods relocation services to, from, and within Alaska. International, and local residential and office moves; heated, and secured storage.

Capital Office Systems
 1120 E, 35th Ave.
 Anchorage, AK 99508
 Contact: Leslye Langla, managing direct.
 Phone: (907) 777-1501
 Fax: (907) 777-1515
 Email: llangla@capital-office.com
Asset management, systems furniture, project coordination, space planning, systems delivery/installation, furniture refurbishing, and relocation/remodel services. Authorized Steelcase dealer for Alaska.

Mud & Mudlogging

Epoch Well Services
 5801 Silverado Way
 Anchorage, AK 99518
 Contact: James R. Carson, AK div. mgr.
 Phone: (907) 561-2465
 Fax: (907) 561-2474
 Email: jcarson@nabors.com
With over 250 wells logged since 1989, Epoch is the leading provider of advanced mudlogging services in Alaska. Our DML 2000 software assimilates a comprehensive database of geological and drilling information with presentations available in a variety of hardcopy and digital formats.

Office Furniture

Capital Office Systems
 1120 E, 35th Ave.
 Anchorage, AK 99508
 Contact: Leslye Langla, managing direct.
 Phone: (907) 777-1501
 Fax: (907) 777-1515
 Email: llangla@capital-office.com
Asset management, systems furniture, project coordination, space planning, systems delivery/installation, furniture refurbishing, and relocation/remodel services. Authorized Steelcase dealer for Alaska.

Oilfield Service & Rig Up

Weaver Brothers
 14223 Kenai Spur Hwy.
 Kenai, AK 99611
 Contact: Glen Dye, terminal mgr.
 Phone: (907) 283-7975
 Fax: (907) 283-3677
 Email: glend@wbialaska.com
 Other Offices:
 Anchorage, Alaska
 Fairbanks, Alaska
Trucking company specializing in oil field winch truck services. Bed tandems & loaders plus rig moving capabilities. Petroleum and chemical trailers, low-boys, bulk trailers, vans and flats.

On-site Medical Services

Kuukpik Arctic Catering
 5761 Silverado Way, Ste P
 Anchorage, AK 99518
 Contact: Rick MacMillan
 Phone: (907) 562-5588
 Fax: (907) 562-5898
 Email: rickkac@aol.com

Well Safe Inc.
 209 E. 51st Ave.
 Anchorage, AK 99503
 Contact: Ken Carroll, district mgr.
 Phone: (907) 743-9871
 Fax: (907) 743-9872
 Email: kcarroll@wellsafe.com
 Web site: www.wellsafe.com
A full service safety company specializing in remote medical support, expeditors, confined space rescue teams, H2S and safety consultants, OSHA training and rentals/sales of gas detection and breathing air systems.

Photography

AeroMap U.S.
 2014 Merrill Field Dr.
 Anchorage, AK 99501
 Contact: Holly Holmes, Marketing
 Phone: (907) 272-4495
 Fax: (907) 274-3265
 Email: hholmes@aeromap.com
 Web site: www.aeromap.com
AeroMap provides geospatial information about the earth utilizing land, airborne and satellite sensors. We define its topography, measure its features, and chronicle its condition.

Judy Patrick Photography
 430 W. 7th Ave., Ste. 220
 Anchorage, AK 99501
 Contact: Judy Patrick
 Phone: (907) 258-4704
 Fax: (907) 258-4706
 Email: jpphoto@mtaonline.net
 Web site: JudyPatrickPhotography.com
Creative images for the resource development industry.

Pipe & Fittings

Petroleum Equipment & Services
 5631 Silverado Way, Ste G
 Anchorage, AK 99518
 Contact: Kevin Durling/Donald Parker
 Phone: (907) 248-0066
 Fax: (907) 248-4429
 Email: sales@pesiak.com
 Web site: www.pesiak.com
P.E.S.I. provides both conventional and specialty products and services for the Alaska oil industry. Regardless of your location, you will receive products and service that is guaranteed to meet your requirements.

Pipeline Maintenance

American Marine Corp.
 6000 A St.
 Anchorage, AK 99518
 Contact: Tom Ulrich, reg. mgr. svc. group
 Phone: (907) 562-5420
 Fax: (907) 562-5426
 Email: alaska@amsghq.com
 Web site: www.amsghq.com
American Marine Corp. provides full service marine construction and diving services throughout Alaska and the Pacific Basin.

ASRC Energy Services – Pipeline, Power & Communications
 3900 C St.,
 Anchorage, AK 99503
 Contact: Wade Blasingame
 Phone: (907) 339-6400
 Fax: (907) 339-6444
 Email: wade.blasingame@asrcenergy.com
 Web site: www.asrcenergy.com
Pipeline construction and maintenance, fiber optic cable installation.

Offshore Divers
 5400 Eielson St.
 Anchorage, AK 99518
 Contact: Don Ingraham, owner/mgr.
 Contact: Leif Simcox, owner/oper. mgr.
 Phone: (907) 563-9060
 Fax: (907) 563-9061
 Email: don@offshoredivers.com
 Web site: http://www.offshoredivers.com

Offshore Divers is an Alaska owned diving contractor specializing in sub-sea oil-field work on mooring systems, pipelines, platforms and docks in Cook Inlet, on the North Slope and in Valdez.

Peak Oilfield Service
 2525 C St., Ste. 201
 Anchorage, AK 99503
 Contact: Bill Stamps, business development/ex. affairs
 Phone: (907) 263-7000
 Fax: (907) 263-7070
 Email: billstamps@peakalaska.com
 Web site: www.peakalaska.com
Alaska based general contractors.

VECO
 949 E. 36th Ave., Ste. 500
 Anchorage, AK 99508
 Contact: Emily Cross
 Phone: (907) 762-1510
 Fax: (907) 762-1001
 Email: emily.cross@veco.com
 Web site: www.VECO.com
VECO is a multi-national corporation that provides services, project management, engineering, procurement, construction, operations and maintenance – to the energy, resource and process industries and the public sector.

Plumbing

Udelhoven Oilfield System Services
 Anchorage office:
 184 E. 53rd Ave.
 Anchorage, AK 99518
 Phone: (907) 344-1577
 Fax: (907) 522-2541
 Nikiski office:
 P.O. Box 8349
 Nikiski, AK 99635
 Phone: (907) 776-5185
 Fax: (907) 776-8105
 Prudhoe office:
 Pouch 340103
 Prudhoe Bay, AK 99734
 Phone: (907) 659-8093
 Fax: (907) 659-8489
Serving Alaska for more than 25 years.

Process Equipment

Hanover Canada
 500, 101-6 Ave. SW
 Calgary, AB, T2P 3P4 Canada
 Contact: Rod Saville, Country Mgr.
 Canada
 Phone: (403) 261-6801
 Fax: (403) 266-1066
 Email: info@hanover-co.com
 Web site: www.hanover-canada.com
Hanover Canada is the leading provider of natural gas compression services and equipment in Canada. We maintain an 85,000 horsepower rental compression fleet in Canada and over 3.6 million horsepower rental fleet worldwide. Hanover custom designs production equipment in accordance with customer's specifications using strict internal engineering standards. We have the capability to provide process, mechanical and instrument design engineering for any production equipment project worldwide.

Natco Group
 P.O. Box 850, Stn. T
 Calgary, Alberta T2H2H3
 Contact: Kevin Baird, bus. dev. mgr.
 Phone: (403) 203-2103
 Fax: (403) 236-0488
 Email: kbaird@natco-ca.com
 Web site: www.natco-ca.com
Natco Group engineers, designs and manufactures process, wellhead and water treatment equipment and systems used in the production of oil and gas worldwide.

Procurement Services

Alaska Anvil
 509 W. 3rd Ave.
 Anchorage, AK 99501-2237
 Contact: Frank Weiss
 Phone: (907) 276-2747
 Fax: (907) 279-4088
 Web site: anvilcorp.com
 Other office: Kenai
 50720 Kenai Spur Hwy, Mile 24.5
 Kenai, AK 99611
 Phone: (907) 776-5870
 Fax: (907) 770-5871
Multi-discipline engineering and design services including construction manage-

ment for petro-chemical and heavy industrial client projects.

MRO Sales
 5631 Silverado Way, Unit G
 Anchorage, AK 99518
 Contact: Don Powell
 Phone: (907) 248-8808
 Fax: (907) 248-8878
 Email: Sales1@mrosalesinc.com
 Web site: www.mrosalesinc.com
 Other offices:
 Kenai: Al Hull (907) 335-2782
We provide Professional Procurement Service for hard-to-find supplies, parts and equipment. Regardless of your location, you will receive service that is guaranteed to meet your requirements. From Anchorage to Siberia, from shipping to communications, you receive service from the experts that have 'Been There, Done That'

NANA/Colt Engineering
 700 G Street, 5th floor
 Anchorage, AK 99501
 Phone: (907) 273-3900
 Fax: (907) 273-3990
 Contact: John Minier
NANA/Colt offers project management, engineering, design, construction management, and procurement services to the oil industry.

Production Equipment

Oilfield Improvements
 1902 North Yellowwood Ave.
 Broken Arrow, OK 74145
 Contact: Hughes Coston SR
 Phone: (918) 250-5584
 Phone: (800) 537-9327
 Fax: (918) 250-4666
 Email: info@rodguides.com
 Website: www.rodguides.com
Sucker rod guides – The Ultra Flow field installed guide, The Wheeled Rod Guide

Real Estate

Alaska Railroad Corp.
 P.O. Box 107500
 Anchorage, AK 99510
 Contact: Katie Bender, Marketing and Logistics Technician
 Phone: (907) 265-2485
 Fax: (907) 265-2597
 Email: benderk@akrr.com
The Alaska Railroad Corporation offers real estate, passenger and freight services – including complete services to move your freight between Alaska, the Lower 48 and Canada.

Prudhoe Bay Shop & Storage
 Deadhorse Airport
 Deadhorse, AK 99734
 Contact: J. Harper Gaston, president
 P.O. Box 670
 Greenville, GA 30222
 Phone: (706) 672-0999
 Fax: (706) 672-1188
 Email: jrlcr@numail.org
Space designed for oilfield services. Located one-half mile north of Deadhorse airport. 800 sf.–1,200 sf. individual or combined units. Rent includes heat, snow removal, maintenance and repairs.

Recycling Waste Management

Colville
 Pouch 340012
 Prudhoe Bay, AK 99734
 Contact: John Daly, Kevin Cilk
 Phone: (907) 659-3197
 Fax: (907) 659-3190
 Email: prudhoe1@aol.com
Diesel, gasoline, jet fuel, aviation gasoline in bulk and small quantity deliveries, electronic card-lock fleet management, solid waste and recycling, industrial gases and solid waste. Tesoro fuel station.

NEI Fluid Technology
 3408 Arctic Blvd.
 Anchorage, AK 99503
 Contact: Kathryn Russell, president
 Phone: (907) 561-4820
 Fax: (907) 562-2316
 Email: sales@neifluid.com
Suppliers of petrochemical refueling and testing equipment, meters and valve systems for the oil and gas industry and portable measurement for petroleum, chemicals and bulk liquids. We also supply refrigerant recovery and recycling equipment.

Pacific Environmental (PENCO)

6000 A St.
Anchorage, AK 99518
Contact: Tom Ulrich, reg. mgr. American
Maine svc. group
Phone: (907) 562-5420
Fax: (907) 562-5426
Email: alaska@amsghq.com
Web site: www.amsghq.com
PENCO provides environmental response, containment and clean up. Hazardous wastes and contaminated site clean up and remediation. Asbestos and lead abatement. Petroleum vessel services and bulk fuel oil facility and storage tank maintenance, management and operations.

Quadco

6116 Nielson Way
Anchorage, AK 99518
Contact: David Baggett, VP, Alaska manager
Phone: (907) 563-8999
Fax: (907) 563-8985
Email: dbaggett@quadcoinc.com
Other offices: Farmington NM, Denver CO, Casper WY
Quadco has supplied services to the Alaska oilfield since 1976. We have trained personnel to help with instrumentation, solids control, pipe handling and Top Drive drilling equipment. 24 hour on call

Reporting Software**Epoch Well Services**

5801 Silverado Way
Anchorage, AK 99518
Contact: James R. Carson, AK div. mgr.
Phone: (907) 561-2465
Fax: (907) 561-2474
Email: jcarson@nabors.com
PERC is a Windows based relational database program for morning reports, well planning, drilling, completion and workover reports. RIGREPORT provides contractors with an electronic tour sheet for morning reports and payroll reporting.

Right of Way Maintenance**Carolina Mat Co.**

P.O. Box 339
Plymouth, NC 27962
Contact: Susan Harrison, owner
Phone: (252) 793-4045
Fax: (252) 793-5187
Email: carolinamat@earthlink.net
Website: www.carolinamat.com
Company established in 1985. Manufacture 3-ply patented, bolted, portable, reusable, solid oak construction mats. Guaranteed to hold up to 50 tons, the mats are interlocking and non-interlocking, countersunk or non-countersunk.

Cruz Construction

HC04 Box 9323
Palmer, AK 99645
Contact: Dave or Dana Cruz
Phone: (907) 746-3144
Fax: (907) 746-5557
Email: cruzco@alaska.net
General contractor specializing in heavy civil construction, horizontal direction drilling for utilities. Ice road and ice bridge construction throughout Alaska in support of resource development.

Safety Equipment & Supplies**Arctic Fire & Safety**

702 30th Ave.
Fairbanks, AK 99701
Contact: Bobby, Shane, Gigi
Phone: (907) 378-2116
Fax: (907) 452-7876
Email: arcfire@yahoo.com
Your Alaskan owned safety specialist since 1975. Barricades, barrels, all PPE, gas detection marine and FAA related, extinguisher services, fit testing, signs, we stock heavy.

Brooks Range Supply

Pouch 340008
1 Old Spine Road
Prudhoe Bay, AK 99734
Contact: Mike Kunkel/Craig Welch, general managers
Phone: (907) 659-2550
Toll Free: (866) 659-2550
Fax: (907) 659-2650
Email: brooks@astacalaska.com

Your source on the Slope for safety supplies, welding supplies, automotive and truck parts, hardware, tools, steel, building materials, glass, propane, hydraulic hoses and fittings, paint and chemicals. Napa and True Value Hardware distribution.

Jackovich Industrial & Construction Supply

Fairbanks: 1600 Wells St.
Attn: Buz Jackovich
Phone: (907) 456-4414
Fax: (907) 452-4846
Anchorage: 1716 Post Road
Attn: Steve Slone
Phone: (907) 277-1406
Fax: (907) 258-1700
24 hour emergency service. With 30 years of experience, we're experts on Arctic conditions and extreme weather.

MEDC International

5829 West Sam Houston Pkwy, North, Ste.1005
Houston, TX 77041
Contact: Phil Hausman, sales mgr. - Americas
Phone: (713) 937-9772
Fax: (713) 937-9773
Cell: (713) 410-1144
Email: phausman@medcint.com
Other Office: MEDC Ltd. - UK
Web site: www.medc.com
MEDC design, manufacture and sell a range of UL/CSA/ATEX-NEC/IEC approved field devices for fire & gas and communications systems for use in potentially explosive atmospheres.

Unitech of Alaska

2130 E. Dimond Blvd.
Anchorage, AK 99507
Contact: Debbie Hawley
Phone: (907) 349-5142
Phone: (800) 649-5859
Fax: (907) 349-2733
Email: unitech@alaska.com
Email: dhawley@unitechofalaska.com
UOA is Alaska's only 24-hour oil spill remediation, environmental and industrial supply company. Specialty areas include sorbents, geotextile, containment berms, drums and ice melt.

Well Safe Inc.

209 E. 51st Ave.
Anchorage, AK 99503
Contact: Ken Carroll, district mgr.
Phone: (907) 743-9871
Fax: (907) 743-9872
Email: kcarroll@wellsafe.com
Web site: www.wellsafe.com
A full service safety company specializing in remote medical support, expeditors, confined space rescue teams, H2S and safety consultants, OSHA training and rentals/sales of gas detection and breathing air systems.

Security**Kuukpik Arctic Catering**

5761 Silverado Way, Ste P
Anchorage, AK 99518
Contact: Rick MacMillan
Phone: (907) 562-5588
Fax: (907) 562-5898
Email: rickkac@aol.com

Seismic & Geophysical**Hunter 3-D**

9898 Bissonnet St., Ste. 362
Houston, TX 77036
Contact: Dan Huston, vice president
Phone: (713) 981-4650
Fax: (713) 981-4650
Email: hunter3d@wt.net
Web site: www.hunter3dinc.com
Hunter 3-D is a geophysical consulting company based in Houston, Texas. We interpret seismic, gravity and magnetic data for projects in Alaska and worldwide.

Kuukpik/Veritas

2000 E. 88th Ave.
Anchorage, AK 99507
Contact: Jeff Hastings
Phone: (907) 276-6037
Fax: (907) 279-5740
Email: Jeff_Hastings@VeritasDGC.com

PGS Onshore

341 W. Tudor Rd., Ste. 206
Anchorage, AK 99503
Contact: Larry Watt, Alaska area mgr.
Phone: (907) 569-4049
Fax: (907) 569-4047

Email: larry.watt@pgsonshore.com

Houston Office
738 Hwy 6 South, Ste 900
Houston, TX 77079
Contact: Gehrig Schultz
Phone: (281) 589-6732
Fax: (281) 589-6685
Email: gehrig.schultz@pgsonshore.com
Geophysical acquisition and processing for the petroleum industry. PGS Onshore provides fully rubber tracked Arctic geophysical crews to acquire the highest density data with the softest environmental footprint on the North Slope.

Smith Consulting Services

16467 Noble Point Drive
Anchorage, AK 99516
Contact: Larry Smith
Phone: (907) 345-3250
Fax: (907) 345-3250
Email: ljsmith@gci.net
Providing geophysical consulting services including seismic acquisition planning and field QC as well as interpretation, mapping and GIS data integration using Kingdom Suite and ArcGIS software.

Shops/Storage Space**Prudhoe Bay Shop & Storage**

Deadhorse Airport
Deadhorse, AK 99734
Contact: J. Harper Gaston, president
P.O. Box 670
Greenville, GA 30222
Phone: (706) 672-0999
Fax: (706) 672-1188
Email: jrclcr@numail.org
Space designed for oilfield services. Located one-half mile north of Deadhorse airport. 800 sf.-1,200 sf. individual or combined units. Rent includes heat, snow removal, maintenance and repairs.

Soil Stabilization**Arctic Foundations**

5621 Arctic Blvd.
Anchorage, AK 99518-1667
Contact: Ed Yarmak
Phone: (907) 562-2741
Fax: (907) 562-0153
Email: info@arcticfoundations.com
Web site: www.arcticfoundations.com
Soil stabilization - frozen barrier and frozen core dams to control hazardous waste and water movement. Foundations - maintain permafrost for durable high capacity foundations.

Space Design/Planning**Capital Office Systems**

1120 E. 35th Ave.
Anchorage, AK 99508
Contact: Leslye Langla, managing direct.
Phone: (907) 777-1501
Fax: (907) 777-1515
Email: llangla@capital-office.com
Asset management, systems furniture, project coordination, space planning, systems delivery/installation, furniture refurbishing, and relocation/remodel services. Authorized Steelcase dealer for Alaska.

Steel Fabrication**Alaska Steel Co.**

1200 W. Dowling
Anchorage, AK 99518
Contact: Joe Lombardo, vice president
Phone: (907) 561-1188
Toll free: (800) 770-0969 (AK only)
Fax: (907) 561-2935
Email: j.lombardo@alaskasteel.com
Fairbanks office:
2800 S. Cushman
Contact: Dan Socha, branch mgr.
Phone: (907) 456-2719
Fax: (907) 451-0449
Kenai office:
205 Trading Bay Rd.
Contact: Will Bolz, branch mgr.
Phone: (907) 283-3880
Fax: (907) 283-3759
Rebar fabrication full service with in house estimating and detailing.

Peak Oilfield Service

2525 C St., Ste. 201
Anchorage, AK 99503
Contact: Bill Stamps, business develop-

ment/ex. affairs
Phone: (907) 263-7000
Fax: (907) 263-7070
Email: billstamps@peakalaska.com
Web site: www.peakalaska.com
Alaska based general contractors.

STEELFAB

2132 Railroad Ave.
Anchorage, AK 99501
Contact: Janet Faulkner, vice president
Phone: (907) 264-2819
Fax: (907) 276-3448
Email: jfaulkner@steelfabak.com
STEELFAB is the largest Alaskan-owned steel service center in the state. It provides pressure vessels, modules, special design items and raw steel products.

Totem Equipment & Supply

2536 Commercial Dr.
Anchorage, AK 99501
Contact: Mike Huston, vp
Phone: (907) 276-2858
Fax: (907) 258-4623
Email: sales@toteminc.com
Web site: www.toteminc.com
Totem Equipment & Supply Inc. locally owned and operated since 1961. Supplies light, medium and heavy equipment. Specializing in temporary and permanent heating solutions.

Udelhoven Oilfield System Services

Anchorage office:
184 E. 53rd Ave.
Anchorage, AK 99518
Phone: (907) 344-1577
Fax: (907) 522-2541
Nikiski office:
P.O. Box 8349
Nikiski, AK 99635
Phone: (907) 776-5185
Fax: (907) 776-8105
Prudhoe office:
Pouch 340103
Prudhoe Bay, AK 99734
Phone: (907) 659-8093
Fax: (907) 659-8489
Serving Alaska for more than 25 years.

Steel Sales**Alaska Steel Co.**

1200 W. Dowling
Anchorage, AK 99518
Contact: Joe Lombardo, vice president
Phone: (907) 561-1188
Toll free: (800) 770-0969 (AK only)
Fax: (907) 561-2935
Email: j.lombardo@alaskasteel.com
Fairbanks office:
2800 S. Cushman
Contact: Dan Socha, branch mgr.
Phone: (907) 456-2719
Fax: (907) 451-0449
Kenai office:
205 Trading Bay Rd.
Contact: Will Bolz, branch mgr.
Phone: (907) 283-3880
Fax: (907) 283-3759
Full-line steel and aluminum distributor. Complete processing capabilities, statewide service. Specializing in low temperature steel.

Colville

Pouch 340012
Prudhoe Bay, AK 99734
Contact: John Daly
Phone: (907) 659-3197
Fax: (907) 659-3190
Diesel, gasoline, jet fuel, aviation gasoline in bulk and small quantity deliveries, electronic card-lock fleet management, solid waste and recycling, steel, industrial gases and solid waste.

STEELFAB

2132 Railroad Ave.
Anchorage, AK 99501
Contact: Janet Faulkner, vice president
Phone: (907) 264-2819
Fax: (907) 276-3448
Email: jfaulkner@steelfabak.com
STEELFAB is the largest Alaskan-owned steel service center in the state. It provides pressure vessels, modules, special design items and raw steel products.

Surveying & Mapping**AeroMap U.S.**

2014 Merrill Field Dr.
Anchorage, AK 99501
Contact: Holly Holmes, Marketing
Phone: (907) 272-4495
Fax: (907) 274-3265

Email: hholmes@aeromap.com
 Web site: www.aeromap.com
AeroMap provides geospatial information about the earth utilizing land, airborne and satellite sensors. We define its topography, measure its features, and chronicle its condition.

ASTAC/fm, a division of ASTAC
 4300 B St., Ste. 501
 Anchorage, AK 99503
 Contact: Don Nelson
 Phone: (907) 563-3989
 Phone: 1-800-478-6409
 Fax: (907) 563-1932
 Email: don@astac.net
Provides expertise in implementing GIS technology whether it be data conversions or a complete turnkey solution.

Kuukpik-LCMF
 139 E. 51st Ave.
 Anchorage, AK 99503
 Contact: Richard Rearick, architectural mgr.
 Contact: Willey Wilhelm, engineering mgr.
 Contact: Tony Hoffman, survey mgr.
 Phone: (907) 273-1830
 Phone: (800) 955-1830
 Fax: (907) 273-1831
 Email: lcmfanch@alaska.net
 Other Offices:
 Barrow: (800) 478-8213
 Email: ktoovak@lcmf.com
 Alpine: (907) 670-4739
 Email: alp1035@ppco.com
Statewide contractor project support surveyors; remote site land and hydrographic surveys for government and private; oil and gas development surveying, mapping, and permitting.

Lounsbury and Associates
 723 W. 6th Ave.
 Anchorage, AK 99501
 Contact: Craig L. Savage, president
 E-mail: csavage@lounsburyinc.com
 Contact: Jim Sawhill, vp
 Email: jsawhill@lounsburyinc.com
 Phone: (907) 272-5451
 Fax: (907) 272-9065
 Toll Free: (800) 478-5451
 Website: www.lounsburyinc.com
Specializing in surveying for Alaska oil and gas exploration, oilfield development and transportation systems, conventional and GPS surveying, and mapping.

Tank Fabrication

Northern Transportation
 310 K St., Ste. 200
 Anchorage, AK 99501
 42003 McKenzie Hwy.
 Hay River, NWT X0E0R9
 Contact: John Marshall
 Phone: (867) 874-5167
 Fax: (867) 874-5179
 Email: jmarshall@ntcl.com
 Web site: www.ntcl.com
Marine transportation along the McKenzie River to the Beaufort Sea and Alaska's North Slope.

Telephone Equipment & Sales

ASTAC
 4300 B St., Ste. 501
 Anchorage, AK 99503
 Contact: Erin Ealum
 Phone: (907) 563-3989
 Phone: 1-800-478-6409
 Fax: (907) 563-1932
 Email: info@astac.net
Providing local and long distance service, Internet, maintenance and training, consultation, installation, engineering, Centrex, custom calling features, digital cross connect service, and digital data service to the North Slope region of Alaska.

North Slope Telecom
 2020 E. Dowling, Ste. 3
 Anchorage, AK 99507
 Contact: Bill Laxson, president
 Phone: (907) 562-4693
 Fax: (907) 562-0818
 Email: info@nstiak.com
 Web site: www.nstiak.com
Design, installation and maintenance of telephone, cable plant, fiber optics, data network, VOIP, paging and cellular systems. Twenty years of arctic experience.

Temporary Placement Services

Chiulista Camp Services/Mayflower Catering
 6613 Brayton Dr., Ste. C
 Anchorage, AK 99507
 Contact: George B. Gardner, pres/gm
 Phone: (907) 278-2208
 Fax: (907) 677-7261
 Email: ggardner@calistacorp.com
The 100 percent Alaska Native owned and operated catering company on the North Slope, catering and housekeeping to your tastes, not ours.

Training

Pacific Rim Institute of Safety & Management (PRISM)
 P.O. Box 3670
 Kenai, AK 99611
 Contact: David C. Burnett, program mgr.
 Phone: (907) 283-3054
 Fax: (907) 283-1853
 Email: PRISM@Alaska.net
 Web site: www.AAICorp.com
Providing a full spectrum of compliance based training for workers in the field of health, safety and emergency response, all in one location. Basic rigging, forklift and manlift operations, confined space rescue, hazardous materials, maritime (BST, STCW certified), industrial fire fighting (NFPA 600).

Well Safe Inc.
 209 E. 51st Ave.
 Anchorage, AK 99503
 Contact: Ken Carroll, district mgr.
 Phone: (907) 743-9871
 Fax: (907) 743-9872
 Email: kcarroll@wellsafe.com
 Web site: www.wellsafe.com
A full service safety company specializing in remote medical support, expeditions, confined space rescue teams, H2S and safety consultants, OSHA training and rentals/sales of gas detection and breathing air systems.

Underwater NDT & Photography

American Marine Corp.
 6000 A St.
 Anchorage, AK 99518
 Contact: Tom Ulrich, reg. mgr. svc. group
 Phone: (907) 562-5420
 Fax: (907) 562-5426
 Email: alaska@amsghq.com
 Web site: www.amsghq.com
American Marine Corp. provides full service marine construction and diving services throughout Alaska and the Pacific Basin.

Offshore Divers
 5400 Eielson St.
 Anchorage, AK 99518
 Contact: Don Ingraham, owner/mgr.
 Contact: Leif Simcox, owner/oper. mgr.
 Phone: (907) 563-9060
 Fax: (907) 563-9061
 Email: don@offshoredivers.com
 Web site: http://www.offshoredivers.com
Offshore Divers is an Alaska owned diving contractor specializing in sub-sea oilfield work on mooring systems, pipelines, platforms and docks in Cook Inlet, on the North Slope and in Valdez.

Storm Chasers Marine Services
 P.O. Box 757
 Seward, AK 99664
 Contact: Mica Van Buskirk
 Phone: (907) 224-3536
 Fax: (907) 224-6080
 Email: sci@seward.net
Providing quality marine services in Alaska for over 15 years. Commercial diving, underwater welding, underwater inspection with video, vessel repair, marine construction and marine salvage services.

Underwater Welding

American Marine Corp.
 6000 A St.
 Anchorage, AK 99518
 Contact: Tom Ulrich, reg. mgr. svc. group
 Phone: (907) 562-5420
 Fax: (907) 562-5426
 Email: alaska@amsghq.com
 Web site: www.amsghq.com

American Marine Corp. provides full service marine construction and diving services throughout Alaska and the Pacific Basin.

Offshore Divers
 5400 Eielson St.
 Anchorage, AK 99518
 Contact: Don Ingraham, owner/mgr.
 Contact: Leif Simcox, owner/oper. mgr.
 Phone: (907) 563-9060
 Fax: (907) 563-9061
 Email: don@offshoredivers.com
 Web site: http://www.offshoredivers.com
Offshore Divers is an Alaska owned diving contractor specializing in sub-sea oilfield work on mooring systems, pipelines, platforms and docks in Cook Inlet, on the North Slope and in Valdez.

Storm Chasers Marine Services
 P.O. Box 757
 Seward, AK 99664
 Contact: Mica Van Buskirk
 Phone: (907) 224-3536
 Fax: (907) 224-6080
 Email: sci@seward.net
Providing quality marine services in Alaska for over 15 years. Commercial diving, underwater welding, underwater inspection with video, vessel repair, marine construction and marine salvage services.

Vehicle Repair

Kenworth Alaska
 2838 Porcupine Dr.
 Anchorage, AK 99501
 Contact: Jim Scherieble, branch mgr.
 Phone: (907) 279-0602
 Phone: (800) 478-0602
 Fax: (907) 258-6639
 Email: parts@kenworthalaska.com
 Email: sales@kenworthalaska.com
 Website: www.kenworthalaska.com
 Fairbanks office:
 3730 Braddock St.
 Fairbanks, AK 99701
 Contact: Ed Lewis, branch mgr.
 Phone: (907) 455-9900
 Fax: (907) 479-8295
Kenworth Alaska is a full service truck dealership in two locations – Anchorage and Fairbanks. New and used truck sales, parts and service.

Seekins Ford Lincoln Mercury
 1625 Old Steese Hwy.
 Fairbanks, AK 99701
 Contact: Steven Angel, fleet sales mgr.
 Phone: (907) 459-4044
 Fax: (907) 450-4007
 Email: fleetsales@seekins.com
 Web site: www.seekins.com
Ford Lincoln Mercury dealer located in Fairbanks Alaska providing solutions to your transportation needs. Parts and service support in Fairbanks and Prudhoe Bay.

Vehicle Sales/Rental

Seekins Ford Lincoln Mercury
 1625 Old Steese Hwy.
 Fairbanks, AK 99701
 Contact: Steven Angel, fleet sales mgr.
 Phone: (907) 459-4044
 Fax: (907) 450-4007
 Email: fleetsales@seekins.com
 Web site: www.seekins.com
Ford Lincoln Mercury dealer located in Fairbanks Alaska providing solutions to your transportation needs. Parts and service support in Fairbanks and Prudhoe Bay.

Welding

Udelhoven Oilfield System Services
 Anchorage office:
 184 E. 53rd Ave.
 Anchorage, AK 99518
 Phone: (907) 344-1577
 Fax: (907) 522-2541
 Nikiski office:
 P.O. Box 8349
 Nikiski, AK 99635
 Phone: (907) 776-5185
 Fax: (907) 776-8105
 Prudhoe office:
 Pouch 340103
 Prudhoe Bay, AK 99734
 Phone: (907) 659-8093
 Fax: (907) 659-8489
Serving Alaska for more than 25 years.

Weld Repairs/Manufacturing

Hanover Canada
 500, 101-6 Ave. SW
 Calgary, AB, T2P 3P4 Canada

Contact: Rod Saville, Country Mgr.
 Canada
 Phone: (403) 261-6801
 Fax: (403) 266-1066
 Email: info@hanover-co.com
 Web site: www.hanover-canada.com
Hanover Canada is the leading provider of natural gas compression services and equipment in Canada. We maintain an 85,000 horsepower rental compression fleet in Canada and over 3.6 million horsepower rental fleet worldwide. Hanover custom designs production equipment in accordance with customer's specifications using strict internal engineering standards. We have the capability to provide process, mechanical and instrument design engineering for any production equipment project worldwide.

Natco Canada
 P.O. Box 850, Stn. T
 Calgary, Alberta T2H2H3
 Contact: Kevin Baird, bus. dev. mgr.
 Phone: (403) 203-2103
 Fax: (403) 236-0488
 Email: kbaird@natco-ca.com
 Web site: www.natco-ca.com
Natco Group engineers, designs and manufactures process, wellhead and water treatment equipment and systems used in the production of oil and gas worldwide.

Peak Oilfield Service
 2525 C St., Ste. 201
 Anchorage, AK 99503
 Contact: Bill Stamps, business development/ex. affairs
 Phone: (907) 263-7000
 Fax: (907) 263-7070
 Email: billstamps@peakalaska.com
 Web site: www.peakalaska.com
Alaska based general contractors.

STEELFAB
 2132 Railroad Ave.
 Anchorage, AK 99501
 Contact: Janet Faulkner, vice president
 Phone: (907) 264-2819
 Fax: (907) 276-3448
 Email: jfaulkner@steelfabak.com
STEELFAB is the largest Alaskan-owned steel service center in the state. It provides pressure vessels, modules, special design items and raw steel products.

Unique Machine
 5839 Old Seward Hwy
 Anchorage, AK 99518
 Contact: Pat Hanley, COO
 Phone: (907) 563-3012
 Fax: (907) 562-1376
 Email: office@uniquemachineinc.com
 Web site: www.uniquemachineinc.com
The design, development, manufacture and distribution of oilfield construction, mining, fishing and government parts to industry quality standards.

OIL COMPANIES

Operators

ConocoPhillips Alaska
 700 G St.
 P.O. Box 100360
 Anchorage, AK 99510-0360
 Contact: Kevin O. Meyers, president & CEO
 Phone: (907) 265-6134
 Fax: (907) 265-1502

Marathon Oil
 3201 C St., Ste 800
 Anchorage, AK 99503
 Contact: John A. Barnes, regional mgr.
 Phone: (907) 561-5311
 Fax: (907) 564-6489
 Website: www.marathon.com

XTO Energy
 810 Houston St., Ste. 2000
 Fort Worth, TX 76102
 Contact: Vaughn O. Vennerberg, II
 Phone: (817) 870-2800
 Fax: (817) 870-0379
 Other Office: XTO Energy, 52260 Shell Road, Kenai, AK 99611, Doug Marshall, production superintendent
XTO Energy, established in 1986, is engaged in the acquisition and development of quality, long-lived producing oil and gas properties and exploration for oil and gas.

company snapshots



COURTESY OF PRISM

The PRISM Training Center in Kenai, Alaska, supplies students with the equipment and materials appropriate to a particular training scenario.

COURTESY OF MICHAEL BAKER JR.



Michael Baker's pipeline expertise was called upon within hours of the November 2003 earthquake near Delta Junction, Alaska. Although the Trans-Alaska Pipeline performed as designed, it did sustain some damage to the above ground support system. The company is completing a corrective redesign to be implemented this summer.



COURTESY OF PRISM

Hot-fire trainers at the PRISM Training Center use propane fueled burners to simulate aircraft fires.



COURTESY OF MICHAEL BAKER JR.

With an emphasis on efficiency through technology, Baker Energy's Applied Technologies group deals with the more technical aspects of maintenance and operations.