LOWER COOK INLET AREA, ALASKA
WELL DATA CHART

1976

WELL LOCATION	STERLING FORMATION				BELUGA FORMATION				TYONEK FORMATION				HEMLOCK FORMATION				WEST FORELAND Fm.				TOTAL KENAI Gp.	REMARKS
	TOP/BTM. (SUBSEA)	THICKNESS	NET Sd./%	Avg. Øs	TOP/BTM. (SUBSEA)	THICKNESS	NET Sd./%	Avg. Øs	TOP/BTM. (SUBSEA)	THICKNESS	NET Sd./%	Avg. Øs	TOP/BTM. (SUBSEA)	THICKNESS	NET Sd./%	Avg. Øs	TOP/BTM. (SUBSEA)	THICKNESS	NET Sd./%	Avg. Øs		
FORELAND CHANNEL #1 Sec. 30, T.8N., R.13W.	ABSENT	—	—	—	ABSENT	—	—	—	-1,793'/-10,955'	>9,162' Est. 9,955'	2,584'/28%	22%	-10,423'/-10,955'	532'	305'/57%	11%	-10,955'/TD	>758' Est. 1,050'	113'/15%	14%	Est. 11,005'	TD 11,786' (-11,879') in West Foreland Fm. Note: This log measured from ocean floor, 93' below Mean Lower Low Water.
WEST FORELAND #1 Sec. 21, T.8N., R.14W.	ABSENT	—	—	—	-260'/-1,600'	1,340'	—	—	-1,600'/-10,010	8410'	2,626'/33%	24%	-10,010'/-10,535'	525'	345'/66%	17%	-10,535'/-11,400'	865'	146'/16%	16%	11,140'	TD 13,500' (-13,410') in Jurassic Volcanics. Sonic not run through Beluga Fm. Shut-in gas well. (Tyonek Fm.)
AMOCO BACHATNA Cr. 56446 Sec. 21, T.8N., R.15W.	ABSENT	—	—	—	ABSENT	—	—	—	-1,768'/-5,548'	>3,780' Est. 4,900'	1,130'/30%	25%	-5,548'/-5,858'	310'	172'/55%	20%	-5,858'/-6,168	310'	48'/15%	25%	Est. 5,500'	TD 6,132' (-6,100') in Jurassic Volcanics.
NORTH KUSTATAN #1 Sec. 35, T.8N., R.15W.	ABSENT	—	—	—	344'/-784'	440'	—	—	-784'/-9,424'	8640	2,835'/33%	21%	-9,424'/-9,762'	338'	223'/66%	16%	-9,762'/TD	>421' Est. 800'	88'/21%	15%	Est. 10,220'	TD 10,229' (-10,173') in West Foreland Fm. Incomplete Beluga Fm. section at top of log only.
UNION, BACHATNA Cr. #1 Sec. 21, T.8N., R.16W.	ABSENT	—	—	—	ABSENT	—	—	—	-1,040'/-2,335'	1,295'	461'/36%	32%	-2,335'/-2,650'	315	102'/32%	24%	-2,650'/-2,990'	340	138'/41%	24%	1,950'	TD 3,085' (-3,045') in Jurassic Volcanics. Correlations questionable.
JOHNSON SLOUGH #1 Sec. 36, T.8N., R.16W.	ABSENT	—	—	—	ABSENT	—	—	—	-635'/-5,445'	4,810'	1,669'/35%	24%	-5,445'/-5,825'	380'	114'/30%	13%	-5,825'/-6,105'	280'	11'/4%	10%	5,470'	TD 6,296' (-6,291') in Jurassic Volcanics. Correlations questionable.
FORELAND ST. 29691 #1 Sec. 22, T.7N., R.13W.	-598'/-1,158'	>560'	456'/81%	OFF SCALE	-1,158'/-2,253'	1,095'	383'/35%	36%	-2,253'/-10,501'	8,248'	1,291'/16%	18%	-10,501'/-11,298'	797	548'/69%	13%	-11,298'/TD	>921'	53'/6%	15%	>11,621'	TD 12,302' (-12,280') in West Foreland Fm.
REDOUBT SHOAL 22064 #1 Sec. 26, T.7N., R.14W.	ABSENT	—	—	—	-1,024'/-3,344'	2,320'	1,061'/46%	34%	-3,344'/-12,402'	9,058'	2,450'/27%	20%	-12,402'/-13,009'	607'	285'/47%	12%	-13,009'/TD	>1,208'	44'/4%	10%	>13,193'	TD 14,267' (-14,221') in West Foreland Fm. Discovery well, Redoubt Shoal oil field.
TENNECO 36465 #1 Sec. 34, T.7N., R.14W.	ABSENT	—	—	—	TL-2,430'/-4,000'	>1,570' Est. 2,975'	805'/51%	32%	-4,000'/-12,310'	8,310'	1,949'/23%	18%	-12,310'/-12,880'	570'	226'/40%	12%	-12,880'/TD	>1,020' Est. 1,200'	168'/16%	12%	Est. 13,060'	TD 13,963' (-13,893') in West Foreland Fm.
KUSTATAN 43-30 Sec. 30, T.7N., R.15W.	ABSENT	—	—	—	ABSENT	—	—	—	TL-557'/-9,100'	>8,543' Est. 8,600'	2,699'/32%	23%	-9,100'/-9,640'	540'	296'/55%	17%	-9,640'/-10,370'	730'	120'/16%	16%	Est. 9,870'	TD 10,597' (-10,537') in Jurassic Volcanics.
UNION, BACHATNA Cr. #7 Sec. 9, T.7N., R.16W.	ABSENT	—	—	—	ABSENT	—	—	—	TL-760'/-1,575'	>815' Est. 940'	374'/46%	30%	-1,575'/-1,850'	275'	161'/58%	26%	-1,850'/2,360'	510'	34'/7%	16%	Est. 1,725'	TD 2,655' (-2,615') in Jurassic Volcanics.
HALBOUTY-KING 1-8 Sec. 21, T.6N., R.9W.	-708'/-4,941'	4,233'	2,613'/62%	36%	-4,941'/-7,460'	2,519'	607'/24%	18%	-7,460'/-12,796'	5,336'	131'/2%	19%	-12,796'/-13,581'	785'	350'/45%	19%	-13,581'/TD	Est. 1,200	—	—	Est. 14,073'	TD 14,019' (-13,695') in West Foreland Fm. Discovery well, West Fork gas field.
HOMESTEADERS #1 Sec. 15, T.5N., R.9W.	-1,614'/-6,109	4,495'	2,736'/61%	30%	-6,109'/-8,444'	2,335'	351'/15%	17%	-8,444'/-13,244'	4,800'	369'/8%	18%	-13,244'/TD-13,604'	>360' Est. 775'	166'/46%	19%	—	Est. 1,400'	—	—	Est. 13,800'	TD 13,890' (-13,604') in Hemlock Fm.
STERLING UNIT 23-15 Sec. 15, T.5N., R.10W.	-819'/-5,379'	4,560'	2,745'/60%	36%	-5,379'/-8,274'	2,895'	1,352'/47%	16%	-8,274'/-13,899'	5,625'	164'/3%	11%	-13,899'/-14,419'	520'	286'/55%	14%	-14,419'/TD	>192' Est. 1,700'	—	—	Est. 15,300'	TD 14,832' (-14,611') in West Foreland Fm. Discovery well, Sterling gas field.
KALGIN ISLAND St. #1 Sec. 22, T.5N., R.15W.	-541'/-3,281'	2,740'	—	31%	-3,281'/-6,016'	2,825'	1,194'/42%	27%	-6,016'/-12,391'	6,285'	2,059'/33%	15%	-12,391'/-12,911'	520'	257'/49%	13%	-12,911'/-14,061'	1,150'	76'/6%	12%	13,520'	TD 14,509' (-14,470') in Jurassic sedimentary rocks. No porosity log above 2,100'. S.P. reversed above 2,100'.
DRIFT RIVER St. #1 Sec. 11, T.5N., R.17W.	ABSENT	—	—	—	ABSENT	—	—	—	-629'/-3,239'	2,610'	524'/20%	27%	-3,239'/-3,854'	615'	368'/60%	22%	-3,854'/-5,075'	1,221'	192'/16%	16%	4,446'	TD 5,394' (-5,333) in Jurassic Volcanics. Hemlock correlation questionable.
KENAI UNIT 14-6 Sec. 6, T.4N., R.11W.	-285'/-4,595'	4,310'	2,818'/65%	35%	-4,595'/-7,158'	2,563'	1,508'/59%	17%	-7,158'/-13,296'	6,138'	670'/11%	15%	-13,296'/-13,910'	614'	264'/43%	14%	-13,910'/TD	>788' Est. 1,700'	219'/28%	23%	Est. 15,325'	TD 15,047' (-14,955') in West Foreland Fm. Discovery well, Kenai gas field.
COHOE UNIT #1 Sec. 8, T.3N., R.11W.	-181'/-5,536'	5,355'	3,544'/66%	35%	-5,536'/-8,666'	3,130'	1,239'/40%	18%	-8,666'/-14,656'	5,990'	150'/2%	10%	-14,656'/-15,278'	622'	267'/43%	12%	-15,278'/TD	>141' Est. 1,450'	—	—	Est. 16,550'	TD 15,683' (-15,440') in West Foreland Fm.
UNION, KASILOF St. #1 Sec. 28, T.3N., R.12W.	-772'/-4,539'	3,767'	—/57%	33%	-4,539'/-7,528'	2,989'	—/55%	17%	-7,528'/-13,188'	5,660'	—/5%	15%	-13,188'/-13,689'	501	—	—	-13,689'/TD	>194' Est. 1,600'	—	—	Est. 14,500'	TD 16,121' (-13,884') in West Foreland Fm. No sonic log through Hemlock & West Foreland Fm. Directed hole, survey not available.
OLD MANS BAY St. #1 Sec. 2, T.3N., R.16W.	TL-481'/-871'	>390'	—	—	-871'/-3,861'	2,990'	1,460'/49%	31%	-3,861'/-9,981'	6,120'	1,494'/24%	18%	-9,981'/-10,524'	543'	293'/54%	18%	-10,524'/-11,601'	1,077'	183'/17%	16%	11,120'	TD 12,486' (-12,447') in Jurassic sedimentary rocks.
FALLS CREEK #1 Sec. 6, T.1N., R.12W.	-264'/-1,916'	1,652'	661'/40%	OFF SCALE	-1,916'/-4,956'	3,040'	1,303'/43%	19%	-4,956'/-11,273'	6,317'	528'/8%	15%	-11,273'/-11,781'	508'	265'/52%	14%	-11,781'/TD	>1,326' Est. 1,650'	33'/2%	9%	Est. 13,100'	TD 13,795' (-13,107') in West Foreland Fm. Shut-in gas well. (Tyonek Fm.)
CLAM GULCH St. #1 Sec. 3, T.1N., R.13W.	TL-667'/-4,120'	>3,453' Est. 3,870'	1,979'/57%	35%	-4,120'/-7,023'	2,903'	687'/24%	21%	-7,023'/-13,638'	6,615'	704'/11%	15%	-13,665'/-14,135'	470'	273'/58%	15%	-14,135'/TD	—	—	—	Est. 15,535'	TD 15,011' (-14,949') in West Foreland Fm.
EDNA MAE WALKER #1 Sec. 35, T.1S., R.12W.	+659'/-5,011'	5,670'	1,805'/32%	33%	-5,011'/-10,121'	5,110'	2,146'/42%	12%	-10,121'/-14,406'	4,285'	91'/2%	11%	-14,406'/TD	635'	202'/32%	12%	—	Est. 1,100'(?)	—	—	Est. 16,786'	TD 16,300' (-15,041') near base of Hemlock Fm.
UNION, NINILCHIK #1 Sec. 6, T.1S., R.13W.	-400'/-770'	370'	—	—	-770'/-3,774'	3,004'	1,343'/45%	25%	-3,774'/-10,237'	6,463'	517'/8%	17%	-10,237'/-10,746'	509'	318'/62%	15%	-10,746'/-12,398'	1,652'	134'/8%	17%	11,998'	TD 14,940' (-14,800') in Cretaceous sedimentary rocks.
MOBIL NINILCHIK #1 Sec. 24, T.1S., R.14W.	-23'/-1,133'	1,110'	—	—	-1,133'/-3,663'	2,530'	1,303'/51%	22%	-3,663'/-10,190'	6,527	775'/12%	18%	-10,190'/-10,623'	433'	164'/38%	16%	-10,623'/-11,483'	860'	97'/11%	16%	11,460'	TD 12,724' (-12,487') in Cretaceous sedimentary rocks.
DEEP CREEK U. #1 Sec. 15, T.2S., R.13W.	+600'/-1,802'	2,402'	693'/55%	—	-1,802'/-5,332'	3,530'	1,337'/38%	—	-5,332'/-11,520'	6,188'	382'/6%	—	-11,520'/-12,062'	542'	—	—	-12,062'/-13,187'	1,125'	136'/12%	—	13,787'	TD 14,221' (-13,583') in Cretaceous sedimentary rocks. No porosity log.
HAPPY VALLEY #31-22 Sec. 22, T.2S., R.13W.	+334'/-1,547'	1,881'	927'/49%	OFF SCALE	-1,547'/-5,051'	3,504'	1,295'/37%	19%	-5,051'/-11,206'	6,155'	368'/6%	15%	-11,206'/-11,731'	525'	255'/49%	14%	-11,731'/-12,541'	810'	51'/6%	16%	12,875'	TD 13,550' (-12,921') in Cretaceous sedimentary rocks.
STARICHKOF St. U. #1 Sec. 22, T.3S., R.15W.	ABSENT	—	—	—	TL-428'/-2,328'	>1,900'	—	—	-2,328'/-7,728'	5,400'	—	—	-7,728'/-8,148'	420'	254'/60%	17%	-8,148'/TD	>340' Est. 1,200'	—	—	Est. 8,920'	TD 8,775' (-8,703') in West Foreland Fm. No S.P. over most of well. Tested noncommercial oil from Hemlock Fm.
STARICHKOF St. #1 Sec. 33, T.3S., R.15W.	ABSENT	—	—	—	TL-432'/-1628'	>1,196'	—	—	-1,628'/-7,082'	5,454'	990'/18%	22%	-7,082'/-7,492'	410'	Est. 265'/65%	18%	-7,492'/-8,717'	1,225'	102'/8%	—	8,285'	TD 12,112' (-12,044) in Cretaceous sedimentary rocks.
ANCHOR RIVER #1 Sec. 29, T.4S., R.11W.	+762'/-761'	1,523'	600'/39%	OFF SCALE	-761'/-3,608'	2,847'	542'/19%	22%	-3,608'/-5,250'	1,642'	279'/17%	19%	ABSENT	—	—	—	ABSENT	—	—	—	6,012'	TD 6,886' (-5,384') in undifferentiated Mesozoic metasedimentary rocks.
So. CARIBOU HILLS #1 Sec. 24, T.4S., R.12W.	+1,097'/-1,798'	2,895'	1,425'/49%	OFF SCALE	-1,798'/5,233'	3,435'	586'/17%	19%	-5,233'/-7,811'	2,578'	184'/7%	15%	-7,811'/-8,011'	200'	77'/39%	13%	-8,011'/TD	>163'	—	—	>9,271'	TD 10,091' (-8,174') in West Foreland Fm.
NORTH FORK #11-4 Sec. 4, T.4S., R.13W.	TL+869'/-1,407'	>2,276' Est. 2,500'	—	—	-1,407'/-5,057'	3,650'	—/28%	18%	-5,057'/-9,311'	4,254'	355'/8%	16%	-9,311'/-9,792'	481'	—	21%	-9,792'/-11,017'	1,225'	—/Est. 10%	—	Est. 12,100'	TD 12,462' (-11,349') in Cretaceous sedimentary rocks. Sonic log complete only through Tyonek Fm.
NORTH FORK #41-35 Sec. 35, T.4S., R.14W.	+780'/-763'	1,543'	—/42%	OFF SCALE	-763'/-4,060'	3,297'	1,048'/32%	22%	-4,060'/-8,982'	4,922'	506'/10%	16%	-8,982'/-9,425'	443'	98'/22%	14%	-9,425'/-10,260'	835'	87'/10%	15%	11,040'	TD 12,812' (-12,032') in Cretaceous sedimentary rocks. Shut-in gas well (Tyonek Fm.)
ANCHOR POINT #1 Sec. 10, T.5S., R.15W.	ABSENT	—	—	—	+15'/-1,655'	1,670'	544'/33%	32%	-1,655'/-7,765'	6,110'	950'/16%	21%	-7,765'/-8,012'	247'	97'/39%	22%	-8,012'/-8,755'	743'	46'/6%	16%	8,770'	TD 14,688' (-14,463') in Cretaceous sedimentary rocks.
FRITZ CREEK #1 Sec. 4, T.6S., R.12W.	ABSENT	—	—	—	+140'/-1,415'	1,555'	530'/48%	21%	-1,415'/-3,420'	2,005'	102'/5%	29%	ABSENT	—	—	—	ABSENT	—	—	—	3,560'	TD 3,793' (-3,638') in undifferentiated Mesozoic metasedimentary rocks.
COAL BAY St. #1 Sec. 8, T.6S., R.12W.	ABSENT	—	—	—	-143'/1,593'	1,593'	—/22%	31%	-1,593'/-3,923'	2,330'	88'/4%	20%	ABSENT	—	—	—	ABSENT(?)	—	—	—	3,780'	TD 4,013' (-3,956') in sandy, conglomeratic, tuffaceous volcanic rocks of unknown age.
So. DIAMOND GULCH #1 Sec. 6, T.6S., R.14W.	ABSENT	—	—	—	+37'/-2,483'	2,520'	—/24%	24%	-2,483'/-8,843'	6,360'	518'/8%	18%	-8,843'/-9,103'	260'	79'/30%	12%	-9,103'/-9,568'	465'	87'/19%	16%	9,605	TD 10,568 (-10,181') in Cretaceous sedimentary rocks.

This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature. It has not been updated since its original compilation.