

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. ϕ_s	TOP/BTM (SUBSEA)	THICKNESS	NET Sd/%	Avg. ϕ_s	TOP/BTM (SUBSEA)	THICKNESS	NET Sd/%	Avg. ϕ_s	TOP/BTM (SUBSEA)	THICKNESS	NET Sd/%	Avg. ϕ_s	TOP/BTM (SUBSEA)	THICKNESS	NET Sd/%			Avg. ϕ_s	
FORELAND CHANNEL #1 Sec. 30, T.8N., R.13W.	ABSENT	—	—	—	ABSENT	—	—	—	-1,793' -10,955'	9,962' 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'	8,410'	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 log run through Beluga Fm. Shut-in gas well. (Tyonek Fm.)	
AMOCOBACHATNA Cr. 56446 Sec. 21, T.8N., R.15W.	ABSENT	—	—	—	ABSENT	—	—	—	-1,768' -5,548' Est. 4,900'	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'	8,640'	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'	7560'	456' 61%	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%	7,162'	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%	7,193'	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.	
HALBOUY-KING 1-B 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'	368' 8%	18%	-13,244' TD-13,804'	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	1,411' Est. 1,450'	—	—	Est. 16,550'	TD 15,683' (-15,440') in West Foreland Fm.	
UNION, KASLOF St. #1 Sec. 28, T.3N., R.12W.	-772' -4,539'	3,767'	—	33%	-4,539' -7,528'	2,989'	—	55%	-7,528' -13,188'	5,660'	—	5%	-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'	3,390'	—	—	-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%	-13,638' -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'	4,463'	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.	
STARICKHOF St. U. #1 Sec. 22, T.3S., R.15W.	ABSENT	—	—	—	TL-428' -2,328'	1,900'	—	—	-2,328' -8,148'	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.	
STARICKHOF St. #1 Sec. 33, T.3S., R.15W.	ABSENT	—	—	—	TL-432' -1,628'	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' -11,811'	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%	-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%	-1,593' -3,923'	2,330'	88' 4%	20%	ABSENT	—	—	—	ABSENT	—	—	—	3,780'	TD 4,013' (-3	