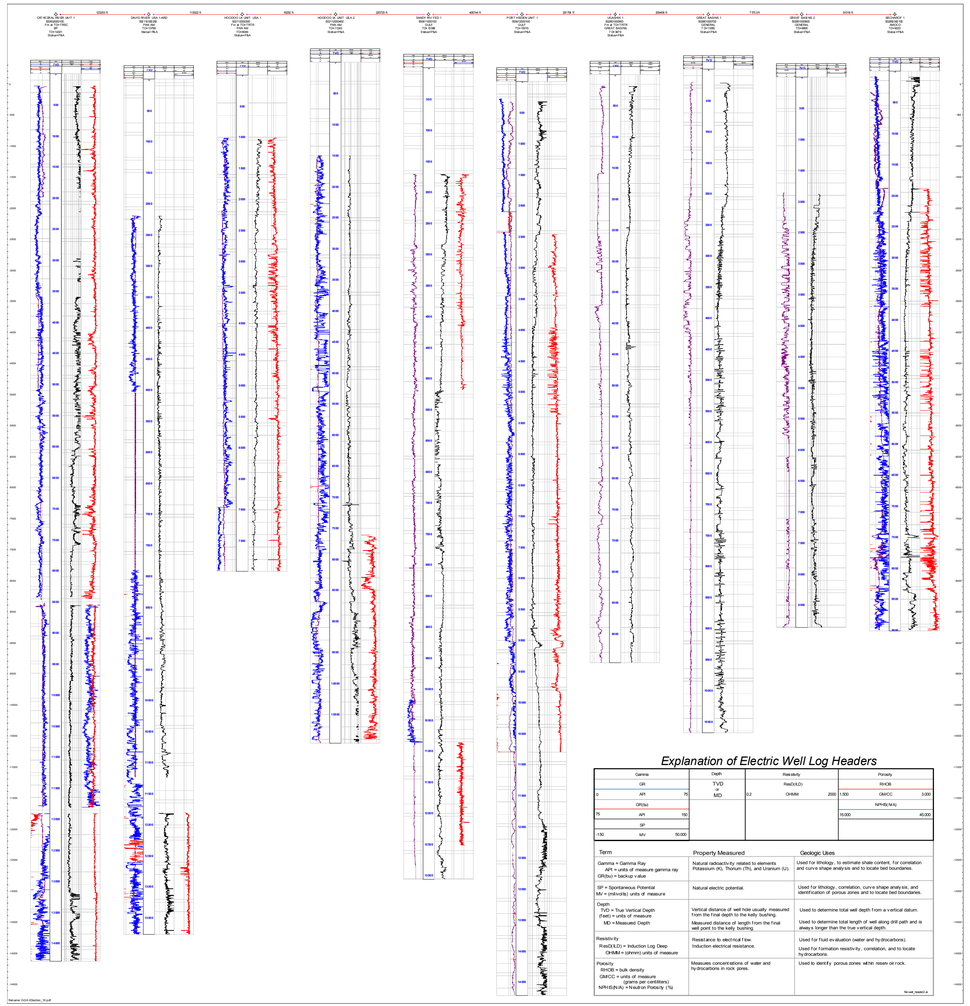
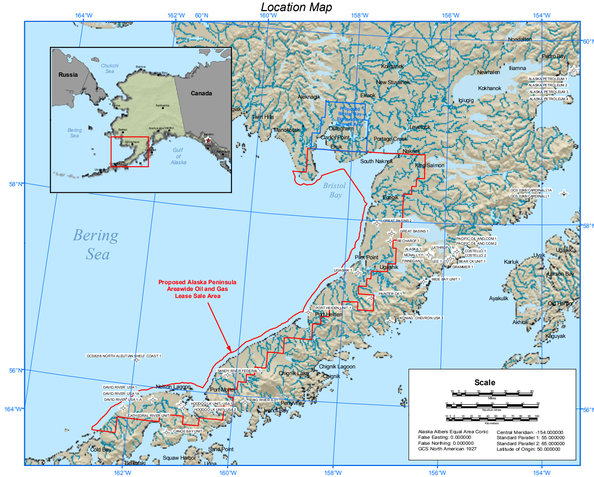
State of Alaska
Department of Natural Resources
Division of Oil and Gas

Oil and Gas Well Data for the Alaska Peninsula and Bristol Bay Region

Digital Well Data for the Alaska Peninsula Lease Sale Area



Location Map



Principal Facts for Well Data

Well Name	API Number	Well Number	Operator Name	Initial Class	Final Status	Current Status	Completion Date	Spud Date	Area	Surface Latitude	Surface Longitude	Bottom Latitude	Bottom Longitude	Total Depth (ft)	True Vertical Depth (ft)	Operator Elevation (ft)	Ground Elevation (ft)	Total Elevation (ft)
FRANCESCA	50281005400	1	ASSOCIATED OIL CO	EXP	P&A	P&A	8/3/1969	4/8/1969	ALASKA PENINSULA SE	57.4583	-158.3153	57.4583	-158.3153	480	0	485	OP	485
ALASKA	50281005500	1	ASSOCIATED OIL CO	EXP	P&A	P&A		1/8/1970	ALASKA PENINSULA SE	57.6564	-158.3137	57.6564	-158.3137	3033	0	494	OP	494
SONGAC CHEVRON USA	50281006100	1	CHEVRON USA INC	EXP	P&A	P&A	7/4/1981	3/11/1981	ALASKA PENINSULA SE	57.1667	-157.0667	57.1667	-157.0667	13007	13006	0	OP	0
PANTER OIL	50281005300	1	COTES SERVICE OIL CO	EXP	P&A	P&A	7/16/1967	2/20/1967	ALASKA PENINSULA SE	57.1667	-157.4333	57.1667	-157.4333	7012	3913	KB	OP	KB
PANTER OIL	50281005400	1	COTES SERVICE OIL CO	EXP	P&A	P&A	8/12/1967	5/1/1967	ALASKA PENINSULA SE	57.1667	-157.4333	57.1667	-157.4333	7012	0	KB	OP	KB
COSTELLO	50281005200	1	COSTELLO, J.H.	EXP	P&A	P&A	1/1/1968	1/1/1968	ALASKA PENINSULA SE	57.0667	-156.7833	57.0667	-156.7833	18	0	18	OP	18
BEAR CK UNIT	50281005700	1	HUMBLE OIL AND REFINING	EXP	P&A	P&A	3/4/1969	8/23/1967	ALASKA PENINSULA SE	57.6278	-158.8639	57.6278	-158.8639	14375	0	312	OP	312
PACIFIC OIL AND COM	50281005900	1	PACIFIC OIL AND COM	EXP	P&A	P&A	1/1/1984	1/1/1984	ALASKA PENINSULA SE	57.7333	-158.7667	57.7333	-158.7667	1421	580	OP	OP	OP
PACIFIC OIL AND COM	50281005400	2	PACIFIC OIL AND COM	EXP	P&A	P&A	1/1/1984	1/1/1984	ALASKA PENINSULA SE	57.7024	-158.7334	57.7024	-158.7334	1524	0	580	OP	580
PURU PK	50281006000	1	PURU PK	EXP	P&A	P&A	10/28/1974	8/26/1974	ALASKA PENINSULA SE	56.6333	-159.2667	56.6333	-159.2667	2023	1908	KB	OP	KB
CARVER BAY UNIT	50281006100	1	PURU PK	EXP	P&A	P&A	10/28/1974	8/26/1974	ALASKA PENINSULA SE	56.6333	-159.2667	56.6333	-159.2667	1840	0	127	KB	127
MOE BAY UNIT	50281005800	1	SCHUFELDT-OLSON	EXP	P&A	P&A	10/11/1961	3/11/1961	ALASKA PENINSULA SE	57.8875	-158.4139	57.8875	-158.4139	1709	1709	45	KB	45
GRUBBER	50281005500	1	STANDARD OIL CO OF CALIFORNIA	EXP	P&A	P&A	3/10/1948	1/11/1948	ALASKA PENINSULA SE	57.6711	-158.3333	57.6711	-158.3333	7508	0	375	KB	375
LATHROP	50281005100	1	STANDARD OIL CO OF CALIFORNIA	EXP	P&A	P&A	1/1/1923	1/1/1923	ALASKA PENINSULA SE	57.6711	-158.2917	57.6711	-158.2917	10	0	400	OP	400
DETHLEFS	50281005200	1	STANDARD OIL CO OF CALIFORNIA	EXP	P&A	P&A	1/1/1925	1/1/1925	ALASKA PENINSULA SE	57.6542	-158.2078	57.6542	-158.2078	81	0	300	OP	300
LEE	50281005300	1	STANDARD OIL CO OF CALIFORNIA	EXP	P&A	P&A	1/16/1926	3/19/1923	ALASKA PENINSULA SE	57.6625	-158.2875	57.6625	-158.2875	5034	0	0	OP	154
BEAVER CK	50281005600	1	SHELL OIL CO	EXP	P&A	P&A	10/1/1952	8/14/1952	ALASKA PENINSULA SE	57.7667	-158.4667	57.7667	-158.4667	5000	0	0	OP	0
NAPATOLI OCS CORE	50413100100	2	PAN AMERICAN	STR	P&A	P&A	4/7/1982	3/8/1982	BETHEL BASIN	60.7500	-162.7133	60.7500	-162.7133	1423	0	58	OP	58
NAPOGAK OCS CORE	50413100300	2,3	PAN AMERICAN	STR	P&A	P&A	3/26/1982	3/4/1982	BETHEL BASIN	60.7833	-162.7833	60.7833	-162.7833	2042	0	41	OP	41
JOHNSON RV CORE	50413100400	1	PAN AMERICAN	STR	P&A	P&A	3/22/1982		BETHEL BASIN	60.7333	-162.2167	60.7333	-162.2167	1305	0	0	OP	0
CATHEDRAL RIVER UNIT	50283200100	1	AMOCO PRODUCTION CO	EXP	P&A	P&A	8/13/1974	6/23/1973	BRISTOL BAY BASIN	59.7334	-160.1217	59.7334	-160.1217	14301	14301	150	OP	150
WEST FORK	50283200200	1	AMOCO PRODUCTION CO	EXP	P&A	P&A	3/14/1975	10/7/1974	BRISTOL BAY BASIN	59.7667	-160.3667	59.7667	-160.3667	10000	10000	KB	OP	KB
GREAT SITKALIDAK	50283100100	1	GENERAL PETROLEUM CORP	EXP	P&A	P&A	5/7/1964	3/16/1964	BRISTOL BAY BASIN	57.8556	-157.5667	57.8556	-157.5667	1340	1340	21	KB	21
GREAT MAGNET	50283100200	2	GENERAL PETROLEUM CORP	EXP	P&A	P&A	11/25/1966	10/12/1966	BRISTOL BAY BASIN	57.6778	-157.4544	57.6778	-157.4544	3878	3878	KB	KB	KB
CAVERN	50283100300	1	GREAT SMOKY PETROLEUM CO	EXP	P&A	P&A	8/24/1968	6/11/1968	BRISTOL BAY BASIN	57.4267	-157.7178	57.4267	-157.7178	9476	9476	KB	KB	KB
SANDY RIV FED	50811900100	1	GULF OIL CORP	EXP	P&A	P&A	12/3/1963	8/4/1963	BRISTOL BAY BASIN	59.2148	-160.1172	59.2148	-160.1172	13088	13088	250	KB	241
FORT KELSON UNIT	50283200300	1	GULF OIL CORP	EXP	P&A	P&A	8/14/1972	6/18/1972	BRISTOL BAY BASIN	58.8667	-158.6667	58.8667	-158.6667	10315	10315	37	KB	37
DAVID RIVER USA	50283200100	1	PAN AMERICAN	EXP	P&A	P&A	11/19/1968	11/2/1968	BRISTOL BAY BASIN	58.8667	-161.5767	58.8667	-161.5767	2300	0	37	OP	37
HOOODOO USA	50281200100	1-A	PAN AMERICAN	EXP	P&A	P&A	12/1/1970	10/11/1970	BRISTOL BAY BASIN	58.4667	-161.3167	58.4667	-161.3167	10108	10108	70	KB	70
HOODOO DUA UNIT USA	50281200200	1	PAN AMERICAN	EXP	P&A	P&A	12/1/1972	12/17/1971	BRISTOL BAY BASIN	58.4667	-161.3217	58.4667	-161.3217	4344	0	141	KB	141
HOODOO DUA UNIT USA	50281200400	2	PAN AMERICAN	EXP	P&A	P&A	4/28/1975	2/13/1975	BRISTOL BAY BASIN	58.4583	-161.0136	58.4583	-161.0136	11242	0	145	KB	124
INGRAM UNIT BRA	50281100300	1	ALASKA CONSOLIDATED OIL	EXP	P&A	SUSP	10/27/1980	8/4/1954	COOK INLET BASIN	59.7183	-151.2133	59.7183	-151.2133	8746	0	0	OP	0
INGRAM UNIT ZAPPA	50281100300	1	ALASKA CONSOLIDATED OIL	EXP	P&A	SUSP	12/18/1956	10/25/1956	COOK INLET BASIN	59.7183	-151.2133	59.7183	-151.2133	11231	0	0	OP	0
ALASKA	50281100100	1	ALASKA OIL CO	EXP	P&A	P&A	1/1/1955	8/1/1955	COOK INLET BASIN	59.5833	-151.7333	59.5833	-151.7333	0	0	0	OP	0
ALASKA	50281100200	1	ALASKA OIL CO	EXP	P&A	P&A	1/1/1955	8/1/1955	COOK INLET BASIN	59.5833	-151.7333	59.5833	-151.7333	0	0	0	OP	0
ALASKA PETROLEUM	50281100100	1	ALASKA PETROLEUM CO	EXP	P&A	P&A	1/1/1953	1/1/1953	COOK INLET BASIN	59.6219	-151.2133	59.6219	-151.2133	1003	0	0		150
ALASKA PETROLEUM	50281100200	2	ALASKA PETROLEUM CO	EXP	P&A	P&A	1/1/1954	1/1/1954	COOK INLET BASIN	59.6219	-151.2133	59.6219	-151.2133	455	0	0		150
ALASKA PETROLEUM	50281100300	3	ALASKA PETROLEUM CO	EXP	P&A	P&A	1/1/1954	1/1/1954	COOK INLET BASIN	59.6219	-151.2133	59.6219	-151.2133	550	0	0		150
ALASKA PETROLEUM	50281100400	4	ALASKA PETROLEUM CO	EXP	P&A	P&A	1/1/1955	1/1/1955	COOK INLET BASIN	59.6219	-151.2133	59.6219	-151.2133	0	0	0		150
STURGEON	50133204800	1	ARCO ALASKA INC	EXP	P&A	P&A	10/23/1986	8/23/1986	COOK INLET BASIN	60.4946	-152.1833	60.4946	-152.1833	7208	7208	61	KB	0
BEAVER CREEK	50133205900	1	UNION OIL CO OF CALIFORNIA	EXP	P&A	P&A	3/12/1989	2/14/1989	COOK INLET BASIN	60.4667	-151.3667	60.4667	-151.3667	12000	0			0
BEARS UT	50133205400	1-A	CHAMPLIN PETROLEUM CO	EXP	P&A	P&A	11/20/1984	9/18/1984	COOK INLET BASIN	60.4522	-151.6167	60.4522	-151.6167	11300	11300			0
OCS D(846) (ARENAL)	50283100100	1-1	CHEVRON	EXP	P&A	P&A	9/16/1984	11/24/1984	COOK INLET BASIN	59.3414	-151.9167	59.3414	-151.9167	1882	0	92	KB	0
OCS D(846) (ARENAL)	50283100200	1-2	CHEVRON	EXP	P&A	P&A	3/12/1985	12/18/1984	COOK INLET BASIN	59.3414	-151.9167	59.3414	-151.9167	10130	0	92	KB	0
ALAMAR D (BIG ST	50283100300	1	HUNT OIL	EXP	P&A	P&A	8/18/1985	6/2/1985	COOK INLET BASIN	60.3667	-152.8667	60.3667	-152.8667	12460	0	46	KB	0
OCS D(846) (ARENAL)	50283100400	1-3	CHEVRON	EXP	P&A	P&A	3/12/1985	12/18/1984	COOK INLET BASIN	59.3414	-151.9167	59.3414	-151.9167	10000	0	205	KB	0
SACHATTAN DU UNIT	50133205400	1	UNION OIL CO OF CALIFORNIA	EXP	P&A	P&A	1/4/1987	5/25/1981	COOK INLET BASIN	60.7125	-152.0917	60.7125	-152.0917	3900	3900	40	KB	0
SACHATTAN DU UNIT	50133205500	1	UNION OIL CO OF CALIFORNIA	EXP	P&A	P&A	2/10/1982	12/9/1982	COOK INLET BASIN	60.7125	-152.0917	60.7125	-152.0917	2655	2655			0
BEVERLY UNIT	50133205300	1	UNION OIL CO OF CALIFORNIA	EXP	P&A	P&A	1/10/1978	3/29/1978	COOK INLET BASIN	60.7833	-152.6333	60.7833	-152.6333	2775	2775			0
OTTER CST, LIMIT OCN	50283100100	1	ARCO	STR	P&A	P&A	9/26/1977	8/10/1977	COOK INLET BASIN-LOWER	59.5194	-152.6436	59.5194	-152.6436	12387	0	91	KB	0
OCS D(BERKLING)	50283100200	1	ARCO	STR	P&A	P&A	5/24/1980	8/4/1979	COOK INLET BASIN-LOWER	59.6033	-152.3833	59.6033	-152.3833	1441	0	75	KB	0
OCS D(1)(BIRD)	50283100300	1	ARCO	STR	P&A	P&A	8/28/1980	5/9/1980	COOK INLET BASIN-LOWER	59.4143	-152.9836	59.4143	-152.9836	7026	0	75	KB	0
OCS D(1)(BIRD)	50283100400	2	ARCO	STR	P&A	P&A	12/12/1980	8/18/1980	COOK INLET BASIN-LOWER	59.4143	-152.9836	59.4143	-152.9836	10000	0	75	KB	0
OCS D(BATHURA)	50283100500	1	CHEVRON	STR	P&A	P&A	11/27/1981	8/18/1981	COOK INLET BASIN-LOWER	59.7148	-152.6833	59.7148	-152.6833	2974	0	111	KB	0
OCS D(BLOWER)	50283100600	1	MARATHON	STR	P&A	P&A	4/27/1979	1/13/1979	COOK INLET BASIN-LOWER	59.9198	-152.9121	59.9198	-152.9121	2767	0	92	KB	0
OCS D(BLOWER)	50283100700	1	MARATHON	STR	P&A	P&A	8/21/1979	4/26/1979	COOK INLET BASIN-LOWER	59.9198	-152.9121	59.9198	-152.9121	8487	0	92	KB	0
OCS D(BIBULAPPY)	50283100300	1	MARATHON	STR	P&A-DO	P&A-DO	12/22/1978	7/31/1978	COOK INLET BASIN-LOWER	59.7490	-152.1583	59.7490	-152.1583	12016	0	42	KB	0
OCS D(BIBULAPPY)	50283100400	2	MARATHON	STR	P&A	P&A	3/16/1979	10/31/1978	COOK INLET BASIN-LOWER	59.7490	-152.1583	59.7490	-152.1583	12000	0	42	KB	0
OCS D(CABEZA)	50283100500	1	PHILLIPS	STR	P&A	P&A	3/16/1979	10/31/1978	COOK INLET BASIN-LOWER	59.3131	-152.5278	59.3131	-152.5278	5334	0	78	KB	0
OCS D(SEBONNEAU)	50283100600	1	PHILLIPS	STR	P&A	P&A	4/21/1982	9/26/1979	COOK INLET BASIN-LOWER	59.0004	-152.9417	59.0004	-152.9417	11226	0	76	KB	0
OCS D(ALA WHON)	50283100700	1-B	PHILLIPS	STR	P&A-DO	P&A-DO	3/16/1978	10/9/1978	COOK INLET BASIN-LOWER	59.3667	-153.3333	59.3667	-153.3333	11204	11203	75.25	KB	0
OCS 76 (BASSET-KOD)	50281500100	1	EXPL SERV	EXP	P&A	P&A	8/1/1976	7/13/1976	KODIAK	56.5641	-152.9647	56.5641	-152.9647	4225	0	52	RT	0
OCS(B)1 (LOST N ALTN)	50281500100	1-A	ARCO	STR	P&A	P&A	1/1/1981	9/4/1980	NORTH ALEUTIAN	56.2733	-161.6733	56.2733	-161.6733	11195	0	85	KB	0
OCS(B)1 (LOST ST GEOR	50281500200	1-B	ARCO	STR	P&A	P&A	1/1/1979	7/3/1979	ST GEORGE	55.9425	-169.8583	55.9425	-169.8583	13771	0	38	RT	0
OCS(B)1 (LOST ST GEOR	50281500300	1-C	ARCO	STR	P&A	P&A	1/1/1980	10/10/1979	ST GEORGE	55.9425	-169.8583	55.9425	-169.8583	13000	0	38	RT	0
OCS D(SEDAN)	50281500400	1	ARCO	EXP	P&A	P&A	10/24/1984	8/4/1984	ST GEORGE	56.0167	-167.7667	56.0167	-167.7667	12406	0	48	KB	0
OCS D(1)(BOULAR)	50281500400	1	ARCO	EXP	P&A	P&A	2/10/1986	11/9/1984	ST GEORGE	56.3425	-167.3250	56.3425	-167.3250	13007	0	48	KB	0
OCS D(1)(BOULAR)	50281500500	1	ARCO	EXP	P&A	P&A	2/10/1986		ST GEORGE	56.3425	-167.3250	56.3425	-167.3250	0	0	48	KB	0
OCS D(RIBATREPECA	50281500200	1	CHEVRON	EXP	P&A	P&A	8/24/1984	7/22/1984	ST GEORGE	56.2463	-167.6667	56.2463	-167.6667	11564	0	60	KB	0
OCS D(ST LUKE)(ARNA)	50281500300	1	EXXON	EXP	P&A	P&A	11/16/1984	8/17/1984	ST GEORGE	56.3275	-167.9167	56.3275	-167.9167	12000	0	60	KB	0
OCS D(ST LUKE)(ARNA)	50281500400	1-A	EXXON	EXP	P&A	P&A	11/16/1984	8/17/1984	ST GEORGE	56.3275	-167.9167	56.3275	-167.9167	12012	0	60	KB	0
OCS D(ST LUKE)(ARNA)	50281500500	1-B	EXXON	EXP	P&A	P&A	11/16/1984	8/17/1984	ST GEORGE	56.3275	-167.9167	56.3275	-167.9167	12000	0	60	KB	0
OCS D(ARTEMIS)	50281500600	1	GULF	EXP	P&A	P&A	12/3/1985	11/27/1984	ST GEORGE	55.9333	-169.4833	55.9333	-169.4833	9389	0	38	KB	0
OCS D(ATHENA)	50281500400	1	SHELL	EXP	P&A	P&A	12/4/1985	11/25/1984	ST GEORGE	55.9564	-169.3278	55.9564	-169.3278	10207	0	38	KB	0
OCS D(ZEUS)(PADOCI)	50281500100	1	SHELL	EXP	P&A	P&A	2/21/1986	12/9/1985	ST GEORGE	55.6364	-167.0139	55.6364	-167.0139	8315	0	38	KB	0

About Alaska Peninsula Well Data

The Division of Oil and Gas database contains approximately 83 electric well logs and 250 electric log scans of 27 wells located in the Alaska Peninsula area. Well log quality is highly variable due to the wide ranging vintage (1960s to mid-1980s) of log data. The completeness of log suites is also highly variable.

The Alaska Oil and Gas Conservation Commission (AOGCC) is an excellent source for all well information. Available data includes: well history files, wireline data, mudlogs and surveys. The AOGCC is located at:
333 W. 7th Avenue, Suite 100
Anchorage, Alaska 99501
(907-279-1433)

Core materials, limited petrographic thin sections and palynologic slides are available at the Alaska Geologic Materials Center.
The Alaska Geologic Materials Center is located at:
P.O. Box 772305,
18205 Fish Hatchery Road
Eagle River, Alaska 99577-2805
(907) 696-0079

Numerous publications have been written regarding the geology of the Alaska Peninsula. The following bibliography is incomplete but lists publications critical to understanding regional geology and its relationship to subsurface well data:

Detterman, R.L., Case, J.E., Miller, J.W., Wilson, F.H., and Yount M.E., 1969, *Stratigraphic Framework of the Alaska Peninsula*; U.S. Geological Survey Bulletin 1969-A, 74 p.

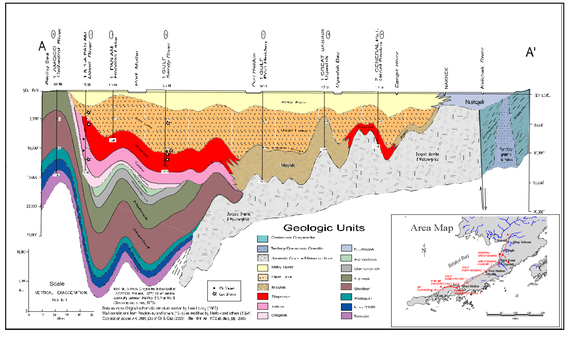
Turner, R.F., McCarthy, C.M., Lynch, M.B., Hoose, P.J., Martin, G.C., Larson, J.A., Fleet, T.O., Sherwood, K.W. and Adams, A.I., 1988, *Geological and Operational Summary, North Aleutian Shelf COST No. 1 Well, Bering Sea, Alaska*; OCS Report MMS 88-0089, 256 p.

Burk, C.A., *Geology of the Alaska Peninsula-Island Arc and Continental Margin*, 1965: The Geological Society of America Memoir 99, 250 p.

Division of Geological and Geophysical Surveys Oil and Gas Section, 1985, *Summary of Existing Data and Potential for Commercial Hydrocarbon Accumulations, Bristol Bay, Alaska*, 17 p.

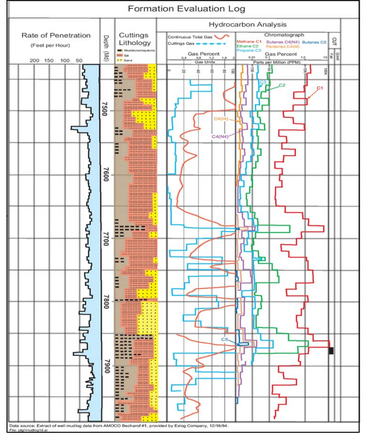
Bancle, R., Evans, D., Seidlitz, A., and Borkowski, J, 1987, *Alaska Peninsula/Becharof National Wildlife Refuges Oil and Gas Assessment*: U.S. Department of the Interior, BLM-Alaska, Division of Mineral Resources, 57 p.

Northwestern Side of Alaska Peninsula - Schematic Structural Section



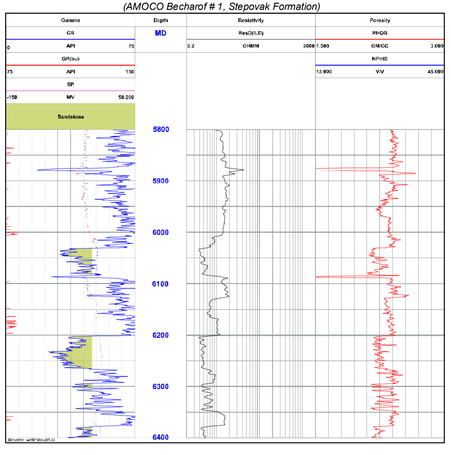
Typical Mudlog Gas Show

(AMOCO Becharof # 1, Stepovak Formation)



Typical Reservoir Quality

(AMOCO Becharof # 1, Stepovak Formation)



Explanation of Electric Well Log Headers

Gamma	Depth	Resistivity	Porosity
GR	TVD or MD	Res(LLD)	RHOB
0 API 75		0.2 OHMM 2000	1.500 GMCC 3.000
GR(bu)			NPHI(MA)
75 API 150			15.000 40.000
SP			
-150 MV 50.000			

Term	Property Measured	Geologic Uses
Gamma = Gamma Ray API = units of measure gamma ray GR(bu) = backup value	Natural radioactivity related to elements Potassium (K), Thorium (Th), and Uranium (U).	Used for lithology, to estimate shale content, for correlation and curve shape analysis and to locate bed boundaries.
SP = Spontaneous Potential MV = (millivolts) units of measure	Natural electric potential.	Used for lithology, correlation, curve shape analysis, and identification of porous zones and to locate bed boundaries.
Depth TVD = True Vertical Depth (feet) = units of measure MD = Measured Depth	Vertical distance of well hole usually measured from the final depth to the kelly bushing. Measured distance of length from the final well point to the kelly bushing.	Used to determine total well depth from a vertical datum. Used to determine total length of well along drill path and is always longer than the true vertical depth.
Resistivity Res(LLD) = Induction Log Deep OHMM = (ohmm) units of measure	Resistance to electrical flow. Induction electrical resistance.	Used for Fluid evaluation (water and hydrocarbons). Used for formation resistivity, correlation, and to locate hydrocarbons.
Porosity RHOB = bulk density GMCC = units of measure (grams per centiliter) NPHI(MA) = Neutron Porosity (1%)	Measures concentrations of water and hydrocarbons in rock pores.	Used to identify porous zones within reservoir rock.

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Map Data Sources:
Bathymetry data including hydrologic data, village and town locations, glaciers and wetlands, land status and boundaries, etc. from State of Alaska Statewide Core GIS database.

Shaded relief based on 300 meter digital elevation model (DEM) published by USGS 05/12/1997. Oil and gas wells from Alaska Division of Oil and Gas database as adapted from Alaska Oil and Gas Conservation Commission dataset.

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Discrepancies in boundary alignments are the result of merging multiple data sets from a number of different sources.