179-039 CONFIDENTIAL

2" TRANSVERSE-O

Schlumberger

DUAL INDUCTION-SFL
WITH LINEAR CORRELATION LOG

CONFIDENTIAL INDEFINITELY

COMPANY MOBIL OIL

WELL #1 GWYDYR BAY STATE (GWYDYR BAY ST. UNIT 1)

FIELD WILDCAT

COUNTY N. SLOPE STATE ALASKA

COUNTY / FIELD / LOCATION / WELL / COMPANY

RECEIVED MAY 8 1980 Alaska Oil & Gas Conservation Commission Anchorage

LOCATION: SUR: 1504' FSL & 2787' FWL; BHL: 1006' FSL & 1531' FWL; UNIAT

API SERIAL NO.	SEC.	TWP	RANGE
50-029-20316	2	12N	12E

Other Services: BHC-GR, LSS-GR, FDC-CNL, HDT, RFT, SWC

Permanent Datum: MSL ; Elev.: 0'
Log Measured From KB Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 40.85' D.F. 38.0 G.L. 20.5

Date	2/12/1980	3/8/80	3/27/80	4/7/80
Run No.	1	2	3	4
Depth—Driller	2761	9366	11,159	11,372
Depth—Logger	2765	—	11,096	11,360
Btm. Log Interval	2758	9097	11,090	11,354
Top Log Interval	804	2770	8900	10,900
Casing—Driller	20" @ 802	13 3/8" @ 2773	13 3/8" @ 2773	13 3/8" @ 2773
Casing—Logger	804	2770	2770	2770
Bit Size	17 1/2"	12 1/4	12 1/4	12 1/4
Type Fluid in Hole	GEL DOUVIS	FGM	GEL DOUVIS	FRESH GEL
Dens. / Visc.	9.7 PPG / 102.0	10.1 PPG / 38	10.8 PPG / 83	10.9 PPG / 70
pH / Fluid Loss	8.5 / 8.0 ml	9.3 / — ml	9.0 / 5.8 ml	9.0 / 5.8 ml
Source of Sample	CIRC	FLOWLINE	CIRC	CIRC
Rm @ Meas. Temp.	3.21 @ 63 °F	3.85 @ 46 °F	2.64 @ 73 °F	2.76 @ 65 °F
Rmf @ Meas. Temp.	2.35 @ 69 °F	3.48 @ 52 °F	3.15 @ 65 °F	2.33 @ 65 °F
Rmc @ Meas. Temp.	— @ — °F	5.77 @ 46 °F	— @ — °F	2.38 @ 65 °F
Source: Rmf / Rmc	MEAS / —	MEAS / CALC	MEAS / —	MEAS / MEAS
Rm @ BHT	2.24 @ <90 °F	1.265 @ 140 °F	1.10 @ 174 °F	.99 @ 181 °F
TIME: Circulation Stopped	0530	2100 3/7	0830	2200 4/6
TIME: Logger on Bottom	0800	0400	1600	0500
Max. Rec. Temp.	<90 °F	140 °F	174 °F	181 °F
Equip. / Location	7856 / Prudhoe	7929 / 4614	7856 / 4614	7856 / 4614
Recorded By	McNaughton	LIGHTNER	McNAUGHTON	LUDLUM
Witnessed By	PRUSS/ZIMBRICK	VANINGEN	MEYER/ZIMBRICK	CARTER

FWS-2514-A

FOLD HERE

The well name, location and borehole reference data were furnished by the customer.

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

REMARKS: RUN 1 - HIGH VISCOSITY MUD COATED DIS & APPEARED TO AFFECT SFL; RUN 2 - DIL & BHC RUN IN COMBO; RUN 3 - DIL & BHC RUN IN COMBO w/4 FIN STANDOFFS; RUN 4 - DIL & BHC RUN IN COMBO w/1.5" RUBBER FIN CENTRALIZERS

Run No.	1	2	3	4
Service Order No.		107449		
Fluid Level		FULL		
Salinity ppm. cl		—		
Speed F.P.M.		60		
EQUIPMENT DATA				
Panel No.		IEM 419		
Cart No.		413		
Sonde No.		501		
Mem. Panel No.		—		
G.R. Panel No.		NLM 506		
G.R. Cart No.		2131		
Tape Recorder - (TTR)				
Depth Encoder - (DRE)				
Pressure Wheel - (CPW)				
Type Centralizers		RUBBER-4 ARM		
Stand Off - Inches		3.0		
CALIBRATION DATA				
SBR		2.0		
Sonde Error - ILM		6.64		
Sonde Error - ILD		5.99		
G.R. BKG. - CPS.				
G.R. Source - CPS.				
S.E. Set In Hole - Depth				
S.E. Corr. - Hole Size				
LOGGING DATA				
SBR		2.0		
S.E. Log - ILM		6.64		
S.E. Log - ILD		5.99		
G.R. Scale per 100 Div.				
G.R. - T.C.				
G.R. Sens.				

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

CONDUCTIVITY — MILLIMHOS/M = 1000 / OHMS M²/M — 0

DEEP INDUCTION — 1000

SPONTANEOUS-POTENTIAL — 10 (−|↔|+) MILLIVOLTS