BOREHOLE COMPENSATED SONIC LOG

Schlumberger

COMPANY ATLANTIC RICHFIELD COMPANY

WELL GULL ISLAND #2

FIELD PRUDHOE BAY

COUNTY NORTH SLOPE STATE ALASKA

LOCATION 59' FWL & 2378' FNL

50-029-20195

API SERIAL NO	SEC	TWP	RANGE
	28	12N	15E

Other Services: DIL, FDC/CNL/GR, HDT TEMP, CNL

COUNTY NORTH SLOPE
FIELD PRUDHOE BAY
LOCATION GULL ISLAND STATE
WELL #2
COMPANY ATLANTIC RICHFIELD

Permanent Datum: SEA LEVEL ; Elev.: 0
Log Measured From KB 29 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 29'
PAN 6'

CONFIDENTIAL

Date	2/2/77	3/18/77		
Run No.	ONE	TWO		
Depth - Driller	10415	12770		
Depth - Logger (Schl.)	10414	12770		
Btm. Log Interval	10408	12764		
Top Log Interval	2734	10180		
Casing - Driller	13 3/8 @ 2728	9 5/8 @10407	@	@
Casing - Logger	2734	10406		
Bit Size	12 1/4	8 1/2		
Type Fluid in Hole	WEIGHTED LIGNO CELLEX GEL			
Dens. / Visc.	11 / 26	10.6 / 39		
pH / Fluid Loss	10.3 / 3.2 ml	10.5 / 5.8 ml	ml	ml
Source of Sample	FLOWLINE	CIRCULATED		
Rm @ Meas. Temp.	2.51 @ 62 °F	1.72 @ 54 °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.07 @ 52 °F	1.16 @ 62 °F	@ °F	@ °F
Rmc @ Meas. Temp.	--- @ --- °F	2.91 @ 58 °F	@ °F	@ °F
Source Rmf / Rmc	M / M	M / M		
Rm @ BHT	1.21 @ 132 °F	@ 178 °F	@ °F	@ °F
TIME Circulation Stopped	1100	3/18 0300		
TIME Logger on Bottom	2130	3/18 1645		
Max. Rec. Temp.	132 °F	178 °F	°F	°F
Equip. / Location	3444 / 4614	3428 / 4614		
Recorded By	HOSEY	FRIDLEY		
Witnessed By Mr.	FORTIER/ERICKSON	BAKER		

FOLD HERE

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

Run No.	ONE	TWO
Service Order No.	84734	87202
Fluid Level		FULL

EQUIPMENT DATA

Sonic Panel No.	151	324
Sonic Cart No.	330	283
Sonic Sonde No.		1634
Mem. Panel No.	265	175
G.R. Cart. No.	600	1040
G.R. Panel No.	265	175
Caliper No.	---	---
TTR No.	987	2895
Centralizers: No.	---	
Type	---	
Standoffs: No.	3	3
Type	GEM 7"	RUBBER
Time Const. Sec.	AUTO	VAN
Speed - F.P.M.	30	60

CALIBRATION DATA

GR	BKG. CPS	30
	Source CPS	260
	Tc Sec	AUTO

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

LOGGING DATA

Porosity Selectors				Depth	
Δt_m	Δt_f	Cp	Ø Scale	From	To

REMARKS

Velocity (ft/sec) = 1,000,000 / Interval Transit Time (microseconds per foot)

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.

5" = 100'

INTERVAL TRANSIT TIME MICROSECONDS PER FOOT T 3 R 2 R

150	100	50
250	200	150

DEPTH

INTEGRATED TRAVEL TIME

GAMMA RAY API UNITS

0 150