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Schlumberger

BOREHOLE COMPENSATED SONIC LOG

COUNTY NORTH SLOPE, ALASKA
FIELD or LOCATION PRUDHOE BAY
WELL EAST BAY STATE 1
COMPANY ATLANTIC RICHFIELD

COMPANY ATLANTIC RICHFIELD COMPANY

CONFIDENTIAL

WELL EAST BAY STATE NO.1

FIELD PRUDHOE BAY

COUNTY NORTH SLOPE STATE ALASKA

LOCATION: API Serial No. 18-0394-11

Sec. 15 Twp. 11N Rge. 15E

Other Services: DIL, FDC-CNL HDT,

Permanent Datum: GL ; Elev.: 17.50
Log Measured From KB 33.42 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 50.92
D.F.
G.L. 17.50

Date	8/9/74	9/21/74		
Run No.	ONE	TWO		
Depth—Driller	9927	12230		
Depth—Logger	9915	12210		
Btm. Log Interval	9913	12203		
Top Log Interval	2697	9901		
*Casing—Driller	13 3/8" @ 2700	9 5/8" @ 9927	@	@
Casing—Logger	2697	9901		
Bit Size	12 1/4"	8 1/2"		
Type Fluid in Hole	Q BROXIN	Q BROXIN		
Dens. / Visc.	11.5 / 49	11.0 / 52	/	/
pH / Fluid Loss	9 / 4 ml	9 / 4 ml	/ ml	/ ml
Source of Sample	FLOWLINE	FLOWLINE		
R_m @ Meas. Temp.	2.12 @ 50 °F	2.2 @ 65 °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	1.66 @ 50 °F	1.88 @ 50 °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	2.45 @ 50 °F	6.2 @ 53 °F	@ °F	@ °F
Source: R_{mf} / R_{mc}	M / M	M / M	/	/
R_m @ BHT	.76 @ 150 °F	.85 @ 170 °F	@ °F	@
TIME Circulation Stopped	8/8 1700	9/21 1200		
ON BOTTOM	8/9 0300	0600		
Max. Rec. Temp.	150 °F	182 °F	°F	°F
Equip. / Location	3311 / 4612	3311 / 4612	/	/
Recorded By	CHAFFEY	BYRD/FRIDLEY		
Witnessed By	MANN/ANDERSON	ANDERSON/BAKER/MANN		

RECEIVED JAN - 9 1975 DIVISION OF OIL AND GAS ANCHORAGE

FOLD HERE

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

Run No.	ONE	TWO
Service Order No.	44923	44554
Fluid Level	FULL	FULL

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole
CAL	9900	8-18	6-16
ΔT	9900	150-50	140-40

LOGGING DATA

Porosity Selectors Δt_m	Δt_f	Cp	Ø Scale	Depth From	To

REMARKS

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

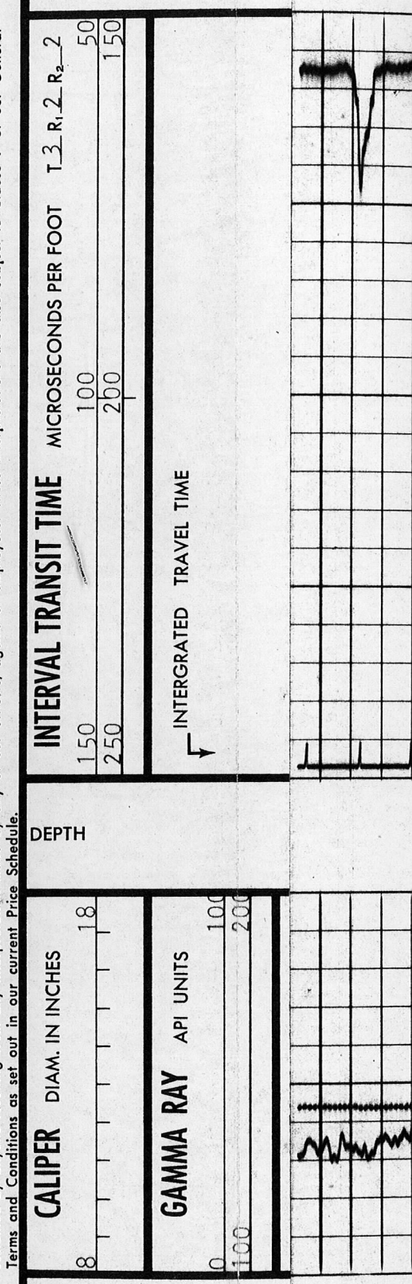
EQUIPMENT DATA

Sonic Panel No.	431	295
Sonic Cart No.	----	250
Sonic Sonde No.	524	500
Mem. Panel No.	175	196
G.R. Cart. No.	73	108
G.R. Panel No.	392	196
Caliper No.	---	1027
TTR No.	958	964
Centralizers: No.	3	4
Type	4 FIN	4 FIN
Standoffs: No.	---	---
Type	---	---
Time Const.-Sec.	1	1
Speed - F.P.M.	60	50

CALIBRATION DATA

GR	BKG. CPS	80	50
	Source CPS	470	450
	Tc Sec	CAL	6

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 7 of our General Terms and Conditions as set out in our current Price Schedule.



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DUAL INDUCTION - LATEROLOG

COUNTY NORTH SLOPE, ALASKA
FIELD or LOCATION PRUDHOE BAY
WELL EAST BAY STATE NO. 1
COMPANY ATLANTIC RICHFIELD

COMPANY ATLANTIC RICHFIELD COMPANY X

CONFIDENTIAL

WELL EAST BAY STATE NO. 1

FIELD PRUDHOE BAY

COUNTY NORTH SLOPE, ALASKA

Location: 18-0394-11

API Serial No.: 5002920133-00

Sec. 15 Twp. 11N Rge. 15

Other Services: BHC, FDC-CNL PML, HDT

Permanent Datum: GL ; Elev.: 17.50
Log Measured From KB 33.42 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 50.92
D.F.
G.L. 17.92

Date	8/9/74	9/21/74		
Run No.	ONE	TWO		
Depth—Driller	9927	12230		
Depth—Logger	9915	12210		
Btm. Log Interval	9909	12204		
Top Log Interval	2698	9901		
Casing—Driller	13 3/8" @ 2700	9 5/8" @ 9927	@	@
Casing—Logger	2698	9901		
Bit Size	12 1/4"	8 1/2"		
Type Fluid in Hole	Q BROXIN	Q BROXIN		
Fluid Level	FULL	FULL		
Dens. / Visc.	11.5 / 49	11.05 / 52		
pH / Fluid Los	9.0 / 4.0 ml	9.0 / 4.0 ml	ml	ml
Source of Sample	FLOWLINE	FLOWLINE		
Rm @ Meas. Temp.	2.12 @ 50 °F	2.2 @ 65 °F	@ °F	@ °F
Rmf @ Meas. Temp.	1.66 @ 50 °F	1.88 @ 56 °F	@ °F	@ °F
Rmc @ Meas. Temp.	2.45 @ 50 °F	6.2 @ 53 °F	@ °F	@ °F
Source: Rmf / Rmc	M / M	M / M		
Rm @ BHT	.76 @ 150 °F	.85 @ 170 °F	@ °F	@ °F
Time Since Circ.	6 HOURS	10 HOURS		
Max. Rec. Temp.	150 °F	170 °F	°F	°F
Equip. / Location	3311 / 4612	3311 / 4612		
Recorded By	CHAFFEY	BYRD/FRIDLEY		
Witnessed By	MANN/ANDERSON	ANDERSON/BAKER/MANN		

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FOLD HERE

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CHANGES IN MUD TYPE OR ADDITIONAL SAMPLES

Date / Sample No.				
Depth - Driller				
Type Fluid in Hole				
Dens. / Visc.				
ph / Fluid Loss		ml		ml
Source of Sample				
Rm @ Meas. Temp.		@ °F	@ °F	
Rmf @ Meas. Temp.		@ °F	@ °F	
Rmc @ Meas. Temp.		@ °F	@ °F	
Source: Rmf / Rmc				
Rm @ BHT		@ °F	@ °F	
Rmf @ BHT		@ °F	@ °F	
Rmc @ BHT		@ °F	@ °F	

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

EQUIPMENT DATA

Run No.	ONE	TWO
Panel No.	277	277
Cart. No.	254	254
Sonde No.	193	193
Mem. Panel No.	175	320
G.R. Cart. No.	---	---
G.R. Panel No.	---	---
TTR No.	958	964
Cent. Device	4 FIN	4 FIN
Stand off - Inches	1 1/2"	1 1/2"
Time Const - Sec.	---	---
Speed - F.P.M.	100	66

REMARKS

Service Order No. - RUN ONE = 44923
RUN TWO = 44554

RUN TWO - NORTHERN LIGHTS VERY ACTIVE RESULTING IN NOISY SP.

☒ Surface determined sonde errors used.
☐ Sonde error corrected for borehole signed at R_m = inch
☐ Induction zero set in hole at depth of feet.

CALIBRATION DATA

CALIBRATION:	BACKGND. CPS.	SOURCE CPS.	GALV. INCR. DIVISION	SENS. TAP (FOR CAL.)	SENS. TAP (RECORD)	TIME CONST.
GAMMA RAY:						

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