Schlumberger

DUAL INDUCTION - LATEROLOG

COUNTY / FIELD or LOCATION / WELL / COMPANY

RECEIVED JUN - 4 1974 DIVISION OF OIL AND GAS ANCHORAGE

COMPANY ATLANTIC RICHFIELD CO

WELL WEST SAK RIVER STATE #2

FIELD WILDCAT

CONFIDENTIAL

COUNTY NORTH SLOPE ALASKA

Location: API Serial No: ______

1500' FNL & 1500' FWL

Sec. 22 Twp. 11N Rge. 10 E UM

Other Services: BHC - GR

Permanent Datum: GROUND LEVEL ; Elev.: 70'

Log Measured From KB , 24.8 Ft. Above Perm. Datum

Drilling Measured From KB

Elev.: K.B. 94.8'
D.F. —
G.L. 70.0'

Date	MAR 21, 1974	3-29-74	4-15-74	
Run No.	ONE	TWO	THREE	
Depth—Driller	2427	3703	6700	
Depth—Logger	2428	3702	6693	
Btm. Log Interval	2422	3696	6687	
Top Log Interval	90	2406	2403	
Casing—Driller	13 3/8 @ 64	9 5/8 @ 2408	9 5/8 @ 2408	@
Casing—Logger	90	2406	2403	
Bit Size	12 1/4	8 1/2 to 3586, 8 11/32 to 3703	8 1/2	
Type Fluid in Hole	AQUAGEL - BEN-EX	Aquagel/Q-Broxin	Q-Broxin	
Fluid Level	SURFACE	FULL	FULL	
Dens. / Visc.	10.0 / 280	9.9 / 46	10.9 / 49	
pH / Fluid Loss	NA / NA ml	9.5 / 5.8 ml	9 / 4 ml	ml
Source of Sample	FLOWLINE	CIRC	FLOWLINE	
R_m @ Meas. Temp.	4.02 @ 53 °F	1.48 @ 55 °F	1.32 @ 65 °F	@ °F
R_{mf} @ Meas. Temp.	3.44 @ 53 °F	1.11 @ 50 °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	4.36 @ 53 °F	2.05 @ 50 °F	@ °F	@ °F
Source: R_{mf} / R_{mc}	M / M	M / M		
R_m @ BHT	— @ — °F	1.21 @ 68 °F	@ °F	@ °F
Time Since Circ.	7 HRS	5 HRS	5 HRS	
Max. Rec. Temp.	LESS THAN 100° °F	68 °F	122 °F	°F
Equip. / Location	3308 / AK	3308 / ANCH		
Recorded By	CHAFFEY	ORR	BYRD	
Witnessed By	BARKER	BAKER	BROWING	

FOLD HERE

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

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		
R_m @ Meas. Temp.	@ °F	@ °F
R_{mf} @ Meas. Temp.	@ °F	@ °F
R_{mc} @ Meas. Temp.	@ °F	@ °F
Source: R_{mf} / R_{mc}		
R_m @ BHT	@ °F	@ °F
R_{mf} @ BHT	@ °F	@ °F
R_{mc} @ BHT	@ °F	@ °F

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

EQUIPMENT DATA

Run No.	ONE	TWO	THREE
Panel No.	136	CB 136	224
Cart. No.	115	B115	227
Sonde No.	165	AB63	165
Mem. Panel No.	335	B-347	338
G.R. Cart. No.	—	—	—
G.R. Panel No.	—	—	—
TTR No.	777	D-777	732
Cent. Device	4 FIN	FINS	4 Fin Rubber
Stand off - Inches	1 1/2	1.5	1.5
Time Const - Sec.	—	—	—
Speed - F.P.M.	100	85	66

REMARKS

Service Order No. - RUN 1 44667

SPENT 20-30 MINUTES TRYING VARIOUS GROUNDS TO ELIMINATE SP NOISE - UNSUCCESSFULLY

RUN 2 45067

RUN 3 44551

☒ Surface determined sonde errors used.
☐ Sonde error corrected for ______ inch borehole signed at R_m = ______ .
☐ 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:						

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

Save

Schlumberger

BOREHOLE COMPENSATED SONIC LOG - GAMMA RAY

(WITH CALIPER)

RECEIVED
JUN - 4 1974
DIVISION OF OIL AND GAS
ANCHORAGE

COMPANY ATLANTIC RICHFIELD CO

WELL WEST SAK RIVER STATE # 2

FIELD WILDCAT

CONFIDENTIAL

COUNTY NORTH SLOPE STATE ALASKA

COUNTY
FIELD or LOCATION
WELL
COMPANY

Location: API Serial No.

1500' FNL & 1500' FWL

Sec. 22 Twp. 11N Rge. 10E UM

Other Services:
DIL
CST

Permanent Datum: GROUND LEVEL ; Elev.: 70
Log Measured From KB , 20 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 94.8
D.F.
G.L. 70

Date	MAR 21, 1974		4/15/74								
Run No.	ONE		TWO								
Depth—Driller	2427		6700								
Depth—Logger	2429		6697								
Btm. Log Interval	2419		6687								
Top Log Interval	90		2413								
Casing—Driller	13 3/8 @ 64		9 5/8 @ 2408		@		@				
Casing—Logger	90		—								
Bit Size	12 1/4		8 1/2								
Type Fluid in Hole	AQUAGEL		BEN-EX | Q-BROXIV								
Fluid Level	SURFACE		FULL								
Dens. | Visc.	10.0	280	10.9	49							
pH | Fluid Loss	NA	NA ml	9	4 ml		ml					ml
Source of Sample	FLOWLINE		FLOWLINE								
R_m @ Meas. Temp.	4.02 @ 53 °F		1.32 @ 65 °F		@ °F		@ °F				
R_{mf} @ Meas. Temp.	3.44 @ 53 °F		@ °F		@ °F		@ °F				
R_{mc} @ Meas. Temp.	4.36 @ 53 °F		@ °F		@ °F		@ °F				
Source: R_{mf} | R_{mc}	M	M									
R_m @ BHT	— @ — °F		@ °F		@ °F		@ °F				
Time Since Circ.	9 HRS		8 HRS								
Max. Rec. Temp.	< 100 °F		125 °F			°F					°F
Equip. | Location	3308 | AK		3308 | 4612								
Recorded By	CHAFFEE		BYRD								
Witnessed By	BARKER		BROWNING								

SWS-1383-H

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

Service Order No. - 47664

RUN 1

RUN 2
44551

SENS. TAP (FOR CAL.) SENS. TAP (RECORD) TIME CONST.

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									
R_m @ Meas. Temp.		@ °F		@ °F		@ °F			
R_{mf} @ Meas. Temp.		@ °F		@ °F		@ °F			
R_{mc} @ Meas. Temp.		@ °F		@ °F		@ °F			
Source: R_{mf}	R_{mc}								
R_m @ BHT		@ °F		@ °F		@ °F			
R_{mf} @ BHT		@ °F		@ °F		@ °F			
R_{mc} @ BHT		@ °F		@ °F		@ °F			

EQUIPMENT DATA

Run No.	ONE	TWO
Sonic Panel No.	422	422
Sonic Cart No.	168	253
Sonic Sonde No.	500	565
Mem. Panel No.	336	338
G.R. Cart. No.	327	
G.R. Panel No.	574	
Caliper No	1080	1080
TTR No.	777	732
Cent. Device	4 FW	4 FW RUBBER
Stand off - Inches	1½"	2
Time Const. - Sec.	2	
Speed - F.R.M.	30	60

CALIBRATION DATA

CALIBRATION:	BACKGND.	SOURCE	GALV. INCR.	SENS.
	CPS.	CPS.	DIVISION	(FOR
GAMMA RAY:				

All interpretations are opinions based on inf