SCHLUMBERGER INDUCTION ELECTRICAL LOG

Bintliff & Coastal St.,
H. J. L. Stark Est. No. A-1
Artificial Penetration 67

COUNTY ORANGE
FIELD or LOCATION PHOENIX LAKE AREA
WELL H. J. L. STARK ESTATE A-1
COMPANY DAVID C. BINTLIFF & COASTAL STATES GAS PROD.

COMPANY DAVID C. BINTLIFF & COASTAL STATES GAS PRODUCING CO.
WELL H. J. L. STARK ESTATE A-1
FIELD PHOENIX LAKE AREA
COUNTY ORANGE STATE TEXAS
LOCATION NOT AVAILABLE
Other Services: FDC FT
Sec. Twp. Rge.

Permanent Datum: B.H.F., Elev. -
Log Measured From K.B., 21. Ft. Above Perm. Datum
Drilling Measured From K.B.
Elev.: K.B. - D.F. - G.L. -

Date	2-11-70			
Run No.	ONE			
Depth—Driller	8684			
Depth—Logger	8682			
Btm. Log Interval	8681			
Top Log Interval	1000			
Casing—Driller	9 5/8 @ 1000	@	@	@
Casing—Logger	1000			
Bit Size	8 3/4"			
Type Fluid in Hole	LOW PH			
Dens. | Visc.	10.4 | 40			
pH | Fluid Loss	9.0 | 7.2 ml	ml	ml	ml
Source of Sample	PIT			
R_m @ Meas. Temp.	.98 @ 90°F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	.72 @ 90°F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	1.45 @ 90°F	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	M | C			
R_m @ BHT	.55 @ 160°F	@ °F	@ °F	@ °F
Time Since Circ.	4 HOURS			
Max. Rec. Temp.	160 °F	°F	°F	°F

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

REMARKS

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.	Tool Type	Tool Position	Other

Run No.:	ONE
C.D.:	YES
S.O.:	1 1/2"
PANEL No.:	231
CART. No.:	252
SONDE No.:	477
IAP No.:	292
S.B.R.:	.5

Check one, filling in blanks where applicable:
[X] Surface determined sonde errors used for 6FF40.
[ ] 6FF40 sonde error corrected for ___ inch borehole signal at Rm =
[ ] 6FF40 zero set in hole at depth of ___ feet.

SPONTANEOUS POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms - m²/m	CONDUCTIVITY millimhos/m = 1000 / ohms - m²/m
20 − |↔| +		A - 16" - M SHORT NORMAL 0 — 10; 0 — 100	6FF40 INDUCTION 2000 — 0; 4000 — 2000
		INDUCTION 0 — 10; 0 — 100	
		AMP. SHORT NORMAL 0 — 2	