Form 38 -

INDUCTION ELECTRIC LOG

COMPANY: Mr. Arco #
WELL: Ft. Sumner Unit
FIELD: Lost Kingdom
County: DeBaca State: N. M.

Permanent Datum: Ground Level
Elevation: 4200
Log Measured From: Ground Level
Drilling Measured From: Ground Level

Date	10-10-72	10-10-72	
Run No.	One	Two	
Depth Driller	2100	2100	
Depth Logger	2100	2100	
Bottom Log Interval	2100	2100	
Top Log Interval	0	0	
Casing Driller	8 5/8 @ 0		
Casing Logger	8 5/8 @ 0		
Bit Size	7 7/8		
Type Fluid in Hole	Gel Chem		
Density	9.0		
Viscosity	50		
Fluid Loss	8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp.	.90 @ 72		
Rmf @ Meas. Temp.	.80 @ 72		
Rmc @ Meas. Temp.	.90 @ 72		
Source Rmf / Rmc	Calc		
Rm @ BHT	.60 @ 98		
Rmf @ BHT	.50 @ 98		
Rmc @ BHT	.60 @ 98		
Max. Rec. Temp.	98		
Equipment No.	3		
Location	Roswell		
Recorded By	Jones		
Witnessed By	Mr. Arco		

Field Office

Service Ticket No. 7 [illegible] Remarks: _____

Change in Mud Type or Additional Samples: Run 1 Samples No. 1 2 3

Type Fluid in Hole: _____

Source of Sample: Flowline

R_m @ Meas. Temp.	.90 @ 72		
R_{mf} @ Meas. Temp.	.80 @ 72		
R_{mc} @ Meas. Temp.	.90 @ 72		
Source R_{mf} / R_{mc}	Calc		
R_m @ BHT	.60 @ 98		
R_{mf} @ BHT	.50 @ 98		
R_{mc} @ BHT	.60 @ 98		

SCALE CHANGES

Type Log	Depth	Scale In Hole	Scale Down Hole

EQUIPMENT DATA

Pad Type	Pad Position	Other

Make does not guarantee the accuracy of any interpretation of log data, accuracy of log data & physical rock parameters, or recommendations which may be given by Mako personnel in which this report or its log is or may be used. Thus, this use of such data, interpretations, estimates, or recommendations shall be Mako's or their agents's sole risk and Mako is not responsible except where due to gross negligence or willful misconduct, for any loss, damages, or expenses resulting from the use thereof.

3" 100'

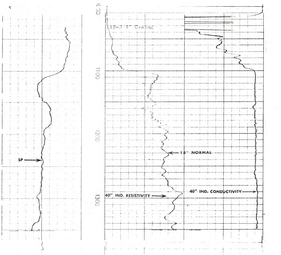
POTENTIAL MILLIVOLTS

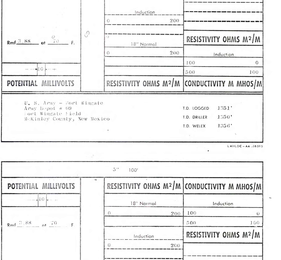
RESISTIVITY OHMS M²/M — 18" Normal

CONDUCTIVITY M MHOS/M — Induction

Bmf .04 at 70 F.

RESISTIVITY OHMS M²/M — Induction





Ft. Sumner - Lost Kingdom
Arco Unit # 1U
Lost Kingdom Field
DeKalb County, New Mexico

T.D. LOGGED 2103'
T.D. DRILLED 2104'
T.D. WELL 2104'

LMILOS-AA-2835

3" 100'

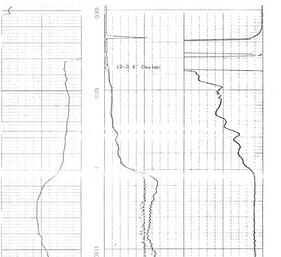
POTENTIAL MILLIVOLTS

RESISTIVITY OHMS M²/M — 18" Normal

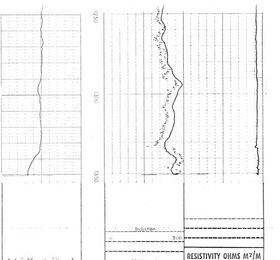
CONDUCTIVITY M MHOS/M — Induction

Bmf .04 at 70 F.

RESISTIVITY OHMS M²/M — Induction



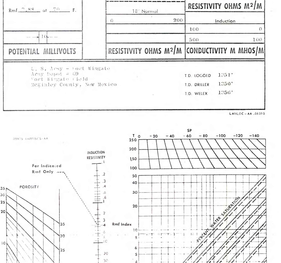
- Repeat Section -.



Ft. Sumner - Lost Kingdom
Arco Unit # 1U
Lost Kingdom Field
DeKalb County, New Mexico

T.D. LOGGED 2103'
T.D. DRILLED 2104'
T.D. WELL 2104'

LMILOS-AA-2835


SP
T.D. 10 20 30 40 50 60 70 80 90 100 110 120 130
Induction Resistivity
Per Inches-of Bmf Only
Bmf Index
Porosity
Formation Factor
Bmf
Bmf Index
Induction Resistivity
Induction Conductivity
Induction Conductivity
Induction Conduct