Schlumberger

INDUCTION ELECTRICAL LOG

WIRELINE SERVICE, INC.

2650' FNL, 1250' FEL

Sec	Twp	Rge
32	54N	28W

COMPANY LAYNE-WESTERN CO., INC. - DEPT. OF NATURAL RESOURCES

WELL RAY FS NO. 1

FIELD WILDCAT

COUNTY RAY

STATE MISSOURI

OTHER SERVICES

CDL/DIL/SNL T-1-84

Permanent Datum:	Elev.
Log Measured From:	9107'
Drilling Measured From:	9107'

Elev.: K.B. 9107' G.L. 9107'

Date	7-13-84
Run Number	ONE
Depth-Driller	7100'
Depth-Logger	7100'
Bottom Logged Interval	7100'
Top Logged Interval	2800'
Type Fluid in Hole	FRESH
Salinity, PPM Cl	2100
Density	8.8
Level	FULL
Max. Recorded Temp.	115°F
Estimated Cement Top	2800'
Time Well Ready	1:00
Time Logger on Bottom	3:00
Equipment No.	5-1-84
Location	WILLIAMS, N.
Recorded By	C.J.
Witnessed By	WILLIAMS, N.

Bit No.	1	2	3	4
Size	7 7/8"			
From	0			
To	7100'			
Hours	4			

Casing No.	1	2	3	4
Size	8 5/8"			
Wgt.	24#			
Grade	K-55			
From	0			
To	2800'			

REMARKS: MUD RESISTIVITY WAS UNCHANGED FROM 1ST - M

Drilling Stopped: Circulation Stopped: 1st Bus Service Order #: Tool on Bottom: R.M.T. -0

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

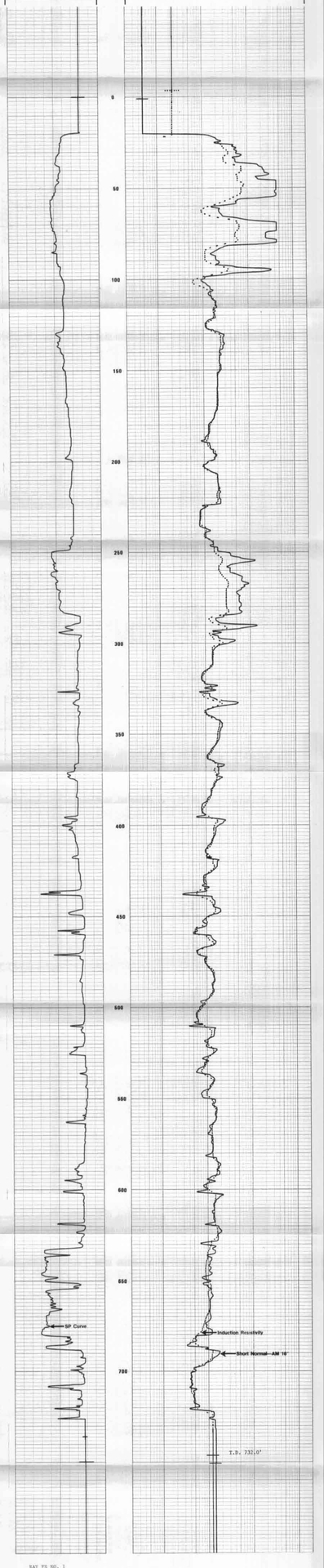
S.P. -||+ 20 m V

RESISTIVITY - Ω M

DEEP INDUCTION 1 10 100 1000

SHORT NORMAL 1 10 100 1000

DEPTH FEET



RAY FS NO. 1

LAYNE-WESTERN CO., INC. - DEPT. OF NATURAL RESOURCES

RAY COUNTY, MISSOURI

JULY 13, 1984

IES

32/54N/28E