Case No.
7660

Large Exhibits

W.P.M.C.F. MICROGRAPHICS

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J.K. Co. Inc.

Schlumberger

COMPENSATED NEUTRON-LITHO DENSITY

COMPANY PAULEY PETROLEUM INC.

WELL PAULEY-WHOA ST. NO. 1

FIELD SUCKER RANCH

COUNTY ROOSEVELT STATE NEW MEXICO

LOCATION: 1980' FSL X 1980' FEL

Other Services: DIL

SEC 16 TWP 7S RGE 33E

Permanent Datum: GROUND LEVEL Elev.: 4411

Log Measured From: KB 13 Ft. Above Perm. Datum

Drilling Measured From: KB

Date: 01/11/91

Run Number: ONE

Depth-Driller: 4100

Depth-Logger: 4100

Bottom Logged Interval: 4100

Top Log Interval: 3000

Casing-Driller: 8 5/8 @ 3990

Casing-Logger: 3990

Bit Size: 7 7/8

Type Fluid in Hole: WATER

Dens.: 8.4

Visc.: 28

pH: 10

Fluid Loss: 10

Source of Sample: FLOWLINE

Rm @ Meas. Temp.: .700 @ 70

Rmf @ Meas. Temp.: .700 @ 70

Rmc @ Meas. Temp.: .700 @ 70

Source: Rmf Rmc: MEASURED

Rm @ BHT: .700 @ 100

Time Since Circulation: 3 HRS

Time Since Last Log: 1 HRS

Max. Rec. Temp.: 100 DEGF

Equipment Number: 2283

Location: HOBBS

Recorded By: D. HUNTER

Witnessed By: MR. PAULEY

BOREHOLE RECORD

Bit No.	From	To	Size	Wgt.	Type
1	0	3990	7 7/8		

BOREHOLE CONDITIONS

Equipment: NONE

Hours: NONE

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

UNIT NO. 145681

Service Order No. 145681

Surf Level FULL

Salinity, PPM Cl. 120,000

Fluid - F/X 50

Type Log | Depth

EQUIPMENT DATA

Dens. Panel MODULE CNTH-DA 2404

Dens. Carr. 995

Dens. Skid POWL 995

Dens. Sonde DSS-D 917

Dens. Source GSR-T 6257

Dens. Calibrator

Neut. Panel MODULE CNTH-DA 2404

Neut. Carr. CNS-H 99

Neut. Source NSR-CA 2147

Neut. Calibrator CUB-AB 3331

Gr Carr. ECH-KA 2180

Memorizer Panel

Tape Recorder (TTR)

Depth Encoder (DRE)

Pressure Wheel (CPW) IDW

Sensitivers: Type FOW SPRING

Inner Spring: No.

Sensitivity: No. 1

Pressure Meas. O.D. — Inches

REMARKS: VERSION 29.7
CALC.LIM. 5200 PPM
- DIL 4 1/2 27 VOLUME
- NO FINTA PRESS not 2.

CALIBRATION DATA SEE CAL BRATION LISTING

GR	BKG. CPS	
	Source CPS	
	Sens. - Cal	
	F.C. - Cal	
Short Spacing - Before Log		
Long Spacing - Before Log		
Short Spacing - After Log		
Long Spacing - After Log		
P — Before Log		
P' — Before Log		
P — After Log		
P' — After Log		

LOGGING DATA

Top	Bottom	Porosity Scale	Matrix	Hole Corr. or Hole Size Setting	Porosity Scale	Grain Density	Liquid Density	Hole Fluid	Scale Logged	T.C.	Zero Pt.	Pt. Inc.
		TOP			TOP					TOP		
0	3990	-1.2-3	LIME	AUTO	-1.2-3	2.71	1.0	WATER	100	0	0	100

All conclusions and opinions (which are based on inferences from electrical or other measurements, data, or information which we do not guarantee the accuracy or completeness of) are rendered in accordance with our charges and terms and conditions, 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 our General Terms and Conditions as set out in our current Price Schedule.

AFTER SURVEY TOOL CHECK SUMMARY

PERFORMED: 01/11/15
PROGRAM FILE: LEP (VERSION 19.484 80/12/18)

CNTH TOOL CHECK

JIG

	BEFORE	AFTER
NRAT	2.103	2.040

POROSITY CHANGE (LIME): -0.007

LDTC TOOL CHECK

LDT TOOL SERIAL NUMBER : 895

BACKGROUND MEASURED

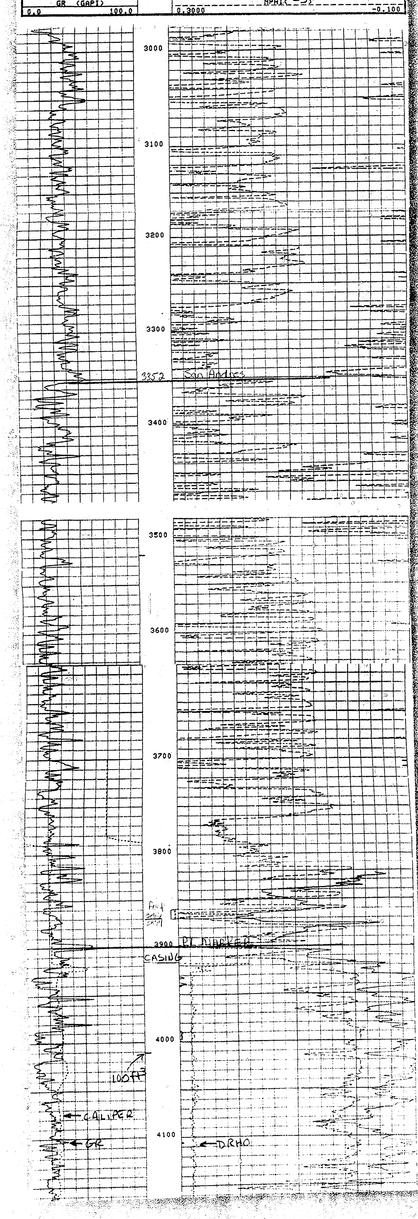
	BEFORE	AFTER	UNITS
LL	18.92	18.85	CPS
LU	74.90	75.37	CPS
LS	55.90	55.29	CPS
LITH	5.644	5.53	CPS
SS1	15.87	15.70	CPS
SS2	11.00	10.99	CPS

FILE

10

CHANGED PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
BHS	CASE				

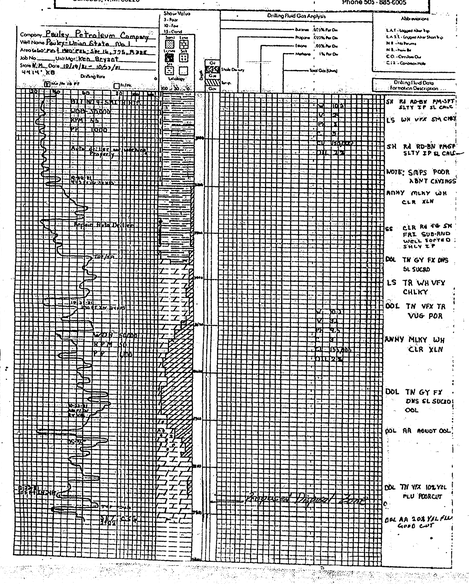


BRYLOGGING Geological Services

Complete Hydrocarbon Wall Logging — Well Consultants — Sample Cut Service

105 N. Crawn Co.
Carlsbad, N.M. 88220

Phone 505 - 885-6005



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