64-1716

Run # 20910

WELLINE SERVICE, INC.

COMPENSATED NEUTRON-DENSITY POROSITY

COMPANY ROXANNA OIL COMPANY

WELL RUTH STEIN NO. 1

FIELD WILDCAT

COUNTY BATES STATE MISSOURI

Other Services: DIL

SEC.	TWP.	RGE.
32	42N	32W

Permanent Datum: GL Elev.: K.B. 0 ft. Above Perm. Datum

Log Measured From: KB 0 ft. Above Perm. Datum

Drilling Measured From: GL

Run Number	Bottom Driller	Top Logged	Casing Driller	Size	Weight	Type Fluid in Hole	Density	Viscosity	Fluid Loss	Source of Sample	Rm @ Meas. Temp.	Rmf @ Meas. Temp.	Rmc @ Meas. Temp.	Source Rmf / Rmc	Rm @ BHT	Time Since Circ.	Max. Rec. Temp.	Equip. Location	Recorded By	Witnessed By
ONE	320	20.00	321	7	20	WATER				FLOWLINE	.82 @ 68				.51 @ 68		210	MONTIEL	J. SANDERSON	MICHAEL LLOYD

Bit Size: 6.25 in. From 20.00 To 321

Type Log: COMPENSATED NEUTRON-DENSITY POROSITY

Date: JULY 26, 1990

Time: 1:00 PM

Recorded By: J. SANDERSON

Witnessed By: MICHAEL LLOYD

Run No.: ONE

Depth Driller: 320

Depth Logger: 321

Bottom Logged Interval: 320

Top Log Interval: 20.00

Type Fluid in Hole: WATER

Salinity: -

Density: -

Level: FULL

Max. Rec. Temp.: 210

Equipment Location: MONTIEL

Recorded By: J. SANDERSON

Witnessed By: MICHAEL LLOYD

Equipment	Serial No.	Size
DIL	3-1-2-0-0	
Base Recording	3-0-1-1-1	
Auxiliary Recording	3-0-1-1-1	
Amplifier	3-0-1-1-1	
Power Supply	3-0-1-1-1	
Cable	3-0-1-1-1	7"
Sheave	3-0-1-1-1	
Depth Wheel	3-0-1-1-1	
Other		

Cable Type: 7" Cable Length: 2,000 ft.

Cable Number: 3-0-1-1-1

Cable Condition: GOOD

Cable Head Type: 3-0-1-1-1

Cable Head Condition: GOOD

Cable Head Length: 2'

Remarks: 1st Run Service Order #

Drilling Stopped: Circulation Stopped: Tool on Bottom: A.M. P.M.

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 4 of our General Terms and Conditions as set forth in our current Price Schedule.

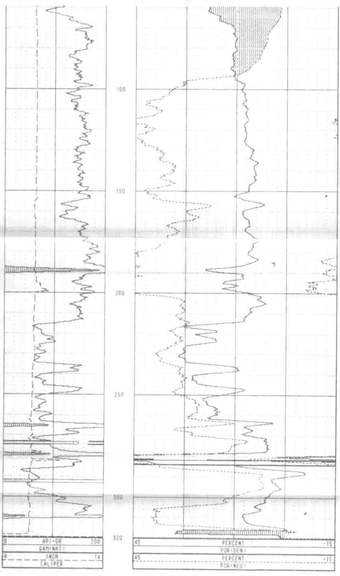
COMPANY	: ROXANNA OIL CO.
WELL	: RUTH STEIN #1
LOCATION/FIELD	: NE-SE
COUNTY	: BATES
STATE	: MO.
SECTION	: 32

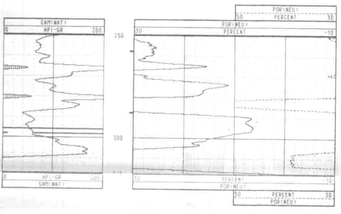
OTHER SERVICES:

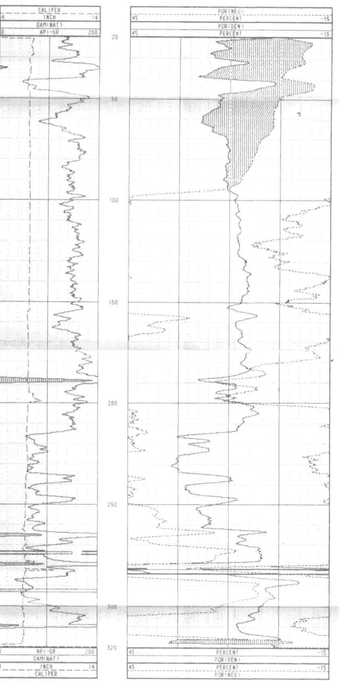
TOWNSHIP	: 42N	RANGE	: 32W
DATE	: 07/26/90	ELEVATIONS	
DEPTH DRILLER	: 320	KB	:
LOG BOTTOM	: 320.20	DF	:
LOG TOP	: 20.00	GL	:

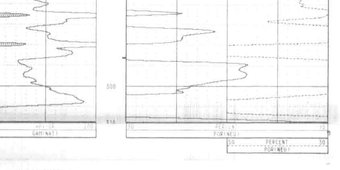
PERMANENT DATUM	: GL		
ELEV. PERM. DATUM	:		
LOG MEASURED FROM	: GL		
DRL MEASURED FROM	: GL		
CASING DRILLER	: 21	LOGGING UNIT	: 201
CASING TYPE	: STEEL	FIELD OFFICE	: CHANUTE
CASING THICKNESS	: 7	RECORDED BY	: SANDERSON
BIT SIZE	: 6.25	BOREHOLE FLUID	: WATER
MAGNETIC DECL.	: 00	RM	: 10
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 82
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 55
NEUTRON MATRIX	: SANDSTONE	FLUID DELTA T	: 210
REMARKS	:		
WITNESS DR. & MICHEAL LLOYD			

FILE	: PROCESSED		
TYPE	: 9036AA		
LOG	: 4		
PLOT	: DG 21		
THRESH:	10000		









RUTH STEIN NO. 1

ROXANNA OIL COMPANY

BATES COUNTY, MISSOURI

JULY 26, 1990

COMPENSATED NEUTRON-DENSITY-POROSITY

32/42N/32W

RECEIVED
SEP 4 - 1991
MO. Oil & Gas Council