

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
<u>"D" Sand</u>	4722	4727	Siltstone, hard, tite, shaly.
	4727	4740	Sand, medium grained, friable, good p&p, water wet, 1 or 2 pieces with very lite staining, poor fluorescence.
	4740	4768	Sand, white, fine to medium grained, fine shale laminae, water wet, no shows.
<u>"J" Sand</u>	4806	4810	Sand, hard, tite, low p&p, very fine grained, no shows. Trip for bit #2 @4810 - poor sample return.
	4810	4822	Sand fine to medium grained, slightly shaly and dirty, poor fluorescence, very lite spotty staining, poor cut, looks water wet.
	4824	4830	Sand, fine grained, hard and tite, poor p&p, possible show, appears water wet.
	4836	4842	Sand, medium to coarse grained, very friable, very good porosity and permeability, fair stain and fluorescence, poor cut.
	4842	4856	Sand, medium to coarse grained, very friable, clay filled, some iron staining, water wet, no shows.
	4856	4876	Sand, gray, salt & pepper, medium grained, water wet, no shows. (Because of hole in drill pipe samples were erratic in upper "J" Sand).

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
<u>Formation</u>	<u>Log Depth</u>	<u>Datum</u>
Niobrara	3910	+ 618
Fort Hays	4244	+ 284
Codell	4286	+ 242
Carlile	4300	+ 228
Greenhorn	4408	+ 120
Bentonite	4630	- 102
"D" Sand	4722	- 194
"J" Sand	4806	- 278
Total Depth	4892	

ROUTING SLIP

Date Permit Received

1/18/78

DVR	<input checked="" type="checkbox"/>
FJP	<input checked="" type="checkbox"/>
HHM	<input checked="" type="checkbox"/>
JAM	<input checked="" type="checkbox"/>
JJD	<input checked="" type="checkbox"/>
RLS	<input checked="" type="checkbox"/>
CGM	<input checked="" type="checkbox"/>

PERMIT NO.

BOND

1/4/79

79-3

Plotted Blanket

Date of Check

Check #

Amt. \$

Name of Company

Maker of Check

Bank Check Issued On

Refund \$

Requested By

Date Refund Request Sent to Accounting

Remarks

1/2/79

75.00

Patrick A. Doherty

Stone

Security Pacific Natl. Bank
Berkeley Hills, Calif.