

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>	4784	4792	Sand, very fine grained, dirty white, cemented, poor p&p, no shows.
	4794	4807	Sand, fine grained, heavily cemented, white, poor p&p, no shows.
<u>"J" Sand</u>	4838	4854	Sand, very fine to fine grained, mostly cemented, but few clean sand clusters, poor to fair p&p, carrying dark minerals, no shows.
	4858	4889	Sand, fine to medium grained, fairly clean in upper 12 feet grading to cemented sand toward base, good p&p in upper sand grading to poor p&p in lower sand, carrying white clay material, no shows.
	4889	4896	Sand, fine to medium grained, clean, soft, fair p&p, white, no shows except for 3 sand clusters with slight fluorescence, questionable stain.
	4902	4922	Sand, fine to medium grained, tight top 8 feet to fair p&p at bottom, cemented, white, no shows.
	4922	4938	Silty sand and shale.
	4938	4975	Sand, very fine to fine grained, well cemented, poor p&p, white, no shows, carrying white clay material.

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
<u>Formation</u>	<u>Log Depth</u>	<u>Datum</u>
Niobrara	3824	+ 961
Ft. Hays	4310	+ 475
Carlile	4364	+ 421
Greenhorn	4464	+ 322
Bentonite	4690	+ 95
"D" Sand	4784	+ 1
"J" Sand	4838	- 53
Total Depth	4975	
	4970 (Driller)	