



00243015

RESUME

OPERATOR: C. F. Raymond - Exeter Drilling

WELL: #1 State

LOCATION: C SE NE Section 15-10N-53W, Logan
County, Colorado

ELEVATION: 4170' KB; 4162' GL

CASING: 8-5/8" @ 100' w/80 sxs.

SPUD: September 12, 1964

COMPLETED DRILLING: September 15, 1964

RESULTS: Producer "J" Sand Oil

LOGS: Schlumberger Electric Induction and
Micro

TOTAL DEPTH: 5015' Driller; 5021' Log

CONTRACTOR: Exeter Drilling Company

GEOLOGIST: C. W. Hughes

FORMATION TOPS

Schlumberger Log

<u>Name</u>	<u>Depth</u>	<u>Datum</u>
Niobrara	4000	+170
Fort Hays	4320	-150
Carlile	4372	-202
Greenhorn	4594	-424
Bentonite	4739	-569
"D" Sand	4832	-662
"J" Sand	4950	-780
"J" Pay Interval	4957-4975	-787 -805
Total Depth	5021 Log	

DRILL STEM TEST

DST 4960-4968 Shut in 30 minutes, open 1 hour, shut in 30 minutes, gas to surface in 2 minutes, measured 20# on 3/8" choke. Recovered 1971' oil, 140' muddy water. FP 293-734#, SIP 1000-992#, HP 2706-2620#.

SAMPLE DESCRIPTION

"D" Sand

4832-4856 Sand, fine to medium, dirty, fair to low porosity and permeability, water wet, no shows

4870-4886 Sand, white, medium grained, good porosity and permeability, water wet, no shows

"J" Sand

4850-4857 Sand, very fine grained, silty, dirty, tight, no shows

4857-4875 Sand, medium to coarse grained, very friable, very good porosity and permeability, light even oil stain, good yellow fluorescence

4875-5020 Sand and siltstone, very fine grained, hard, very low porosity and permeability, no shows

BIT RECORD

<u>Run</u>	<u>Size</u>	<u>Type</u>	<u>From</u>	<u>To</u>
1	7-7/8	Reed	0	3383
2	"	CP	3383	4694
3	"	HTC	4694	4941
4	"	HTC	4941	5015

COMMENTS

The #1 State is being completed as a "J" Sand well on the basis of drill stem test results. Structurally the #1 State was 5' low to the #1 Propst, a south offset. Sand development in the #1 State is of excellent character and is 17' in thickness.

The #1 State should make an excellent producer.