

14-9W-54W



02496692

RESUME

OPERATOR: Olson & Guida
WELL: #2 Hendricks
LOCATION: C NE SW Section 14-9N-54W
Logan County, Colorado
ELEVATION: 4274' GL; 4283' KB
SPUD: December 8, 1966
COMPLETED DRILLING: December 11, 1966
CASING: 8-5/8" @ 131' w/135 sxs.
TOTAL DEPTH: 5193' Log; 5190' Driller
LOGS: Schlumberger Induction - Electrical
TESTS: Oil in "J"; gas lower "D"; water
upper "D"
CONTRACTOR: Exeter Drilling Company
GEOLOGIST: C. W. Hughes
1014 Patterson Bldg.
Denver, Colorado 80202

FORMATION TOPS
Schlumberger

<u>Name</u>	<u>Depth</u>	<u>Datum</u>
Niobrara	4244	+39
Carlile	4602	-319
Greenhorn	4756	-473
Bentonite	4908	-625
"D" Sand	5000	-717
"D" ² Sand	5025	-742
"J" Sand	5114	-831
Total Depth	5193 Log	

SAMPLE DESCRIPTION

"D" Sand

5000-5012 Sand, white, fine to medium grained, no visible stain, friable, fair to good porosity and permeability, fair cut, good yellow fluorescence

5012-5020 Sand, fine to medium grained, slightly glauconitic, glassy, well cemented, hard, low porosity and permeability, looks wet, no shows

5024-5042 Sand, white, fine grained, slightly silty, fair to good porosity and permeability, popping gas, few pieces with spotty oil stain, good yellow fluorescence

"J" Sand

5114-5120 Sand, very dirty, clayey, water wet, low porosity and permeability, no stain or fluorescence

5120-5132 Sand, grading from shaly, dirty sand in top 6' with spotty stain, low porosity and permeability to a clean, fine to medium grained sand in the lower 6', fair porosity and permeability, light oil stain, fair cut

5140-5146 Sand, very shaly, interbedded, hard, brown shales, no porosity or permeability, no shows

5150-5170 Sand, fine to medium grained, clay filled, very slight spotty stain in upper 2 to 3', poor to fair porosity and permeability, water wet

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DRILL STEM TESTS

DST#1 5118-5140 "J" Sand. Shut in 30 minutes, open 2 hours, shut in 30 minutes. Tool opened with strong blow, gas to surface in 5 minutes. Held 10# for 15 minutes on 1/2" orifice (116,000 CF) 0# in 45 minutes. Recovered 810' oil, 30' OCM (10% oil), 90' MCO (80% oil), 90' MW. FP 146-371, SIP 1114-1058, HP 2854-2842

DST#2 5028-5038 "D" Sand. Shut in 30 minutes, open 1 hour, shut in 30 minutes. Gas to surface immediately. Gauged with 1" plate.

20 minutes, 34#, 1,043,000
30 minutes, 40#, 1,162,000
40 minutes, 43#, 1,226,000
50 minutes, 46#, 1,291,000
55 minutes, 47#, 1,312,000
60 minutes, 48#, 1,333,000

Recovered 90' muddy water with scum of oil.
FP 124-315; SIP 597-586, HP 2830-2810

DST#3 5002-5010 "D" Sand. Shut in 30 minutes, open 2 hours, shut in 30 minutes. Tool opened with strong blow for 5 minutes prior to taking shut in. Re-opened with weak blow and built to good blow throughout test. Recovered 1610' water; 10' oil cut mud. FP 124-698; SIP 1013-980; HP 2784-2772

BIT RECORD

<u>Run</u>	<u>Size</u>	<u>Out At</u>
1	7-7/8	4130
2	"	4905
3	"	5100
4	"	5190

MUD RECORD

<u>Date</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>
12-10-66	9.7	61	5.4
12-11-66	9.9	61	4.2

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JAN - 9 1967

COLO. OIL & GAS CONS. COMM.

OLSON & GUIDA
#2 Hendricks
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Logan County, Colorado

C. W. Hughes
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Geologist