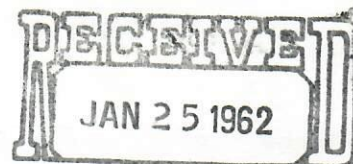




DUANE S. LARSON
 PETROLEUM GEOLOGIST
 406 PATTERSON BLDG. PHONE AL 5-2749
 DENVER, COLORADO



OIL & GAS
 CONSERVATION COMMISSION

January 16, 1962

GEOLOGICAL REPORT

S. D. JOHNSON #1 MILLER

- I. LOCATION C SE NW of Section 34- 3S - 49W
Washington County, Colorado
- II. CONTRACTOR: S. D. Johnson
Denver, Colorado
- III. TYPE WELL: Wildcat
- IV. CASING: Surface - Set 294 ft. of 8 5/8" casing at
305 KB with 160 sacks of cement.
- V. ELEVATION: 4412 Ground 4422 K. B.

VI. TOPS;	<u>Electric Log</u>	<u>Sub-C Datum</u>
Niobrara	2714	
Ft. Hays	3190	
Base Codell	3251	
Greenhorn	3355	
Bentonite	3540	
"D"	3627	f795
"J"	3679	f743
Total Depth	3802	

VII. Cores

- Core #1 3670 - 3707 drillers depth
3672 - 3709 Electric log depth
- 7' Black shale
- 2' Reworked sand and shale
- 2' Lt gray silty sandstone clay filled
No shows.
- 17½' Lt gray medium grained sandstone with
occasional thin shale streaks, good
porosity and permeability, no shows,
wet.

VIII. Core Analysis - None

IX. Drill Stem Tests: None

X. Daily Report:

Jan 3 - Set Surface
4 - Drilling 320 - 2208
5 - Drilling 2308 - 3413
6 - Drilling 3413 - 3670 - Coring 3670-3707
Drilling 3707 - 3800
7 - Ran Electric log - Plugged and Abandoned

XI. CORING TIME:

Depth from - to	Minutes per one foot interval
3670 - 80	18-22-27-21-27-26-26-2-1-2
3680 - 90	4-4-4-4-4-5-4-5-4-4
3690 - 00	4-4-4-4-4-4-4-4-4-4-
3700 - 07	4-5-2-2-2-1-3

XII. SAMPLE DESCRIPTION

3600 - 3627 - Black shale
3627 - 3633 - Lt gray medium grained sandstone slight show
of oil, wet.
3633 - 3639 - Lt gray fine grained shaley sandstone
no shows.
3639 - 3648 - Lt gray fine grained sandstone, no shows
3648 - 3663 - Brown fine grained sandstone (siderite)
3663 - 3672 - Black shale
3672 - 3709 - Core #1
3709 - 3802 - Lt gray fine grained sandstone with occasional
black shale lenses

XIII. POSSIBLE PAY ZONE

"D" Sand:
The top six feet of the "D" Sand consisted of porous
sand with slight show of oil. The sand was wet.
The remainder of the "D" Sand had no shows of oil or gas.

"J" Sand:
The "J" Sand had no shows of oil or gas

XIV. PRODUCTION

Dry and Abandoned.

Duane S. Larson
Petroleum Geologist