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Ph. A1 5-2749

GEOLOGICAL REPORT
S. D. JOHNSON #1 Wiant



OIL & GAS
CONSERVATION COMMISSION

- I. LOCATION: C NE NE of Section 33-3S-49W, Washington County, Colorado
- II. CONTRACTOR: S. D. Johnson, Denver, Colorado
- III. TYPE WELL: Wildcat
- IV. CASING: Surface - Set 248' of 8 5/8" casing at 259' K.B. with 150 sacks of cement
- V. ELEVATION: 4421 Ground - 4431 Kelly Bushing.
- VI. TOPS:

	Electric Log	Sub - C Datum
Niobrara	2790	
Ft. Hays	3237	
Base Codell	3298	
Greenhorn	3404	
Bentonite	3589	
"D"	3677	
"J"	3734	
Total Depth	3835	

754
697

- VII. CORES: Core #1 3758 - 3769
 - 1' Lt gray medium grained sandstone, good porosity and permeability, good staining and fluorescence.
 - 10' Gray medium grained shaly sandstone, tight, no shows

VIII. CORE ANALYSIS:

Depth	Horizontal	Vertical	Porosity	Saturation	
	Perm.	Perm		oil	water
3758-59	273	128	25.3	15.0	72.7
60	10	2.4	19.6	0	90.8
61	8.1	4.3	21.6	0	95.7
62	30.	7.3	23.5	0	93.2
63	29.	8.0	22.6	0	92.5
64	15.	5.7	22.2	0	90.2
65	6.6	2.7	21.0	0	90.0
66	3.1	1.1	22.4	0	89.3
67	5.6	1.9	22.5	0	90.3
68	30.	18.	23.4	0	89.3
69	1.9	1.1	22.5	0	93.3

Wiant 1-

IX. DRILL STEM TESTS
D.S.T. #1

3736 - 46
Open 30 minutes shut in 30 minutes
Recovered 1320 ft. of water
Flow pressure 115# to 606#
Shut in pressure 608#
Hydrostatic pressure 2035#

X. DAILY REPORT:

Jan - 11 Set Surface
12 Drilling 289 - 2202
13 Drilling 2202 - 3263
14 Drilling 3203 - 3758 Coreing 3758 - 3769
15 Drilling 3769-3835 ran electric log
DST #1
16 Plugged and Abandoned

XI CORING TIME:

Depth
From -To Minutes one foot interval
3758-69 5-3-2-2-2-2-2-1-1-1-6

XII. SAMPLE DESCRIPTION

3650 - 3677 Black Shale
3677 - 3682 Lt gray medium grained sandstone, good porosity, slight show of oil, wet
3682 - 3702 Lt gray fine grained silty sandstone with occasional black shale streaks
3702 - 3719 Shaly siltstone
3719 - 3734 Black shale
3734 - 3738 Reworked sand and shale good staining
3738 - 3758 Lt gray medium grained sandstone good porosity and permeability, good staining and fluorescence, wet.
3758 - 3769 Core #1
3769 - 3784 Black silty shale
3784 - 3835 Lt gray fine grained sandstone with occasional black shale lenses. no shows.

XIII. POSSIBLE PAY ZONES:

"D" Sand

The top 5 feet of the "D" Sand consisted of porous water sand with a slight show of oil.

The remainder of the "D" Sand had no shows of oil or gas


"J" Sand

The top bench of the "J" Sand had 21 feet of porous sand with good staining and fluorescence. A DST of this zone recovered only water.

The remainder of the "J" Sand had no shows of oil or gas

XIV. PRODUCTION:

Plugged and Abandoned.


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