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E. W. OLSON

PETROLEUM COUNSELOR

125 AVARD AVENUE

STERLING, COLORADO

June 11, 1960

DISCUSSION

PATRICK A. DOHENY
JOLLY No. 1

Sec 10-3S-55W
WILDCAT

Drilling samples and one core were examined from 4700 feet to the total depth of 4918 feet. There were no shows of oil or gas found in any of the sand benches. The depth of 4918 feet penetrated the "J" zone approximately 70 feet.

The drilling samples from the "D" section indicated there were two benches. The top one consisted of sand cuttings with no staining or fluorescence. The sand appeared to be well developed and fairly porous. The second bench contained a harder sand with black carbonaceous material scattered through the sand pieces. There was no staining or fluorescence present.

The upper 9 feet of the "J" zone was drilled with a rock bit. Then a core was cut with full recovery through the next 60 feet.

The sand which was drilled in this upper 9 feet was hard, very fine grain, and very poor visible porosity. The 60 foot core contained the three better benches of sand. The bench from 4882 feet to 4898½ feet was a very fine grain sand with poor to fair visible porosity. The sand contained some foreign material which gave it a dirty gray appearance.

The lower bench, from 4911 feet to 4918 feet, consisted of a fine grain sand with good visible porosity but no indication of hydrocarbons.

The induction-electric log and micro log were run. There was no indication of oil or gas being present in any of the sands. Therefore, on June 7, 1960 the hole was plugged and abandoned.

Yours very truly,

E. W. Olson

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DATA SHEET

PATRICK A. DOHENY
JOLLY No 1

Sec 10-3S-55W
WILDCAT

LOCATION: Center SE SE Sec 10, Township 3S, Range 55 West, Washington County, Colorado.

SPUDED: June 2, 1960

COMPLETED: June 7, 1960

CONTRACTOR: HLM Drilling Company

CASING: Ran 4 joints (130 feet) of 8 5/8, 24#, J-55 casing and cemented with 75 sacks of cement, 2% calcium chloride. The cement circulated to the surface.

MEASUREMENTS: All measurements in this report, as well as the electric log, are taken from kelly bushings which were 11 feet above ground level. All sample top depths below are corrected for lag only.

ELEVATION: 4739' ground; 4750' Kelly Bushings

TOPS:

<u>FORMATION</u>	<u>SAMPLE TOPS</u>	<u>ELECTRIC LOG</u>	<u>DATUM</u>
Niobrara		3848	+902
Ft Hays		4324	*426
Carlisle		4371	*379
Greenhorn		4454	*296
"D" Sand	4796	4794	-44
"J" Sand	4849	4848	-98
Total Depth	4918	4918	-168

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SAMPLE DESCRIPTION

PATRICK A. DOHENY
JOLLY No 1

Sec 10-3S-55W
WILDCAT

4700-4720 Shale dark gray with some pyrite
40 Shale dark gray with sandy shale
50 Same as above with a small amount of bentonite
"D" Sand 4805 Shale dark gray with scattered pyrite
15 Sand, fine grain, gray, fair visible porosity, no staining or fluorescence, appears wet.
20 Same as above with less sand and more shale
30 Sand, fine grain, medium hard, fair visible porosity, no show
35 Shale dark gray, slightly sandy
50 Shale dark gray
55 Shale dark gray with some hard quartzitic sand, barren
"J" Sand
58 Sand, very fine grain, gray, hard, tight, no visible porosity, specks of carbonaceous material, no stain, appears barren.
Circ 30" Shale with small amount of sand as above
" 60" Same as above

CORE No 1

From 4858' to 4918'

4858-4859 Sand & shale, reworked, barren
63 Shale, dark gray with some sand, thin lenses, no show
65 Shale dark gray
67 Sand, hard, tight, gray, numerous thin shale streaks, no show
75 Sand, as above with less shale, no show
76 Shale, dark gray
82 Siltstone, hard, tight, barren
95 Sand, very fine grain, poor to fair visible porosity, dirty, very faint odor and taste
98½ Sand, as above, wet
49 11 Shale, gray becoming silty toward bottom
4918 Sand, fine grain, clean, good visible porosity, no odor, no stain, appears wet.