

005-06024



01888545

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 JUN 16 1967
 COLO. OIL & GAS COMM.

DATA SHEET

COMMENCED: 6/7/67
 COMPLETED: 6/12/67
 TOTAL DEPTH: 5310'
 RESULTS: Plugged and Abandoned
 CONTRACTOR: Exeter Drilling Company
 HOLE SIZE: 7-7/8"
 SURFACE CASING: 126' of 8-5/8" x 24# surface casing set
 with 125 sx. reg. cement. 3% CaCL2.
 DATUM: K.B.
 LOGS: Induction Electric

FORMATION TOPS

NIOBRARA:	4214'	+646
FORT HAYS:	4635'	+225
CODELL ss:	4668'	+192
CARLILE:	4678'	+182
GREENHORN:	4754'	+106
BENTONITE:	4984'	-124
"D" SANDSTONE:	5074'	-214
"J" SANDSTONE:	5118'	-258
SKULL CREEK:	5287'	-427
ELEVATIONS:	4851'	Ground
	4860'	K.B.

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CORE NO. 1
(5145-5195)

Cut 50' Recovered 50'

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CORING TIME: 30", 21", 19", 20", 22", 21", 15", 11", 10", 10", 8", 7", 10",
9", 15", 22", 19", 23", 17", 13", 10", 10", 11", 14", 9", 13",
10", 12", 9", 12", 10", 9", 9", 6", 10", 9", 9", 12", 13",
16", 19", 17", 6", 5", 9", 5", 8", 8", 8", 9".

CORE DESCRIPTION: (5145-5195)

5145	-	5152	(7')	Shale, black, slightly sandy, hard fissile.
5152	-	5161	(9')	Sandstone, light grey, very fine grain, sub-rounded, well sorted, few shale inclusions, slightly clay filled, no porosity or permeability, no shows.
5161	-	5165	(4')	Shale as above.
5165	-	5171	(6')	Sandstone, light grey, very fine grain, sub-rounded, well sorted, clay filled, very thin shale laminae, micro shale inclusions, hard and tight, no shows, no porosity.
5171	-	5173	(2')	Sandstone, light gray, very fine to fine grained, fewer shale inclusions, very slightly glauconitic, low to no porosity and permeability, no shows.
5173	-	5175	(2')	Shaley sandstone, dark grey, no porosity.
5175	-	5180	(5')	Sandstone as above, up to 30% shale matrix.
5180	-	5184	(4')	Shale and sandstone reworked.
5184	-	5185	(1')	Sandstone, light grey, salt and pepper, fine grained, medium to poor sorting, clay-filled, no porosity.
5185	-	5186	(1')	Reworked sandstone and shale.
5186	-	5195	(9')	Siltstone, medium grey, very shaley.

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LITHOLOGY

"D" SANDSTONE: (5074-5087)

5074 - 5087 (13') Light grey to white, very fine to fine grained, clay-filled, trace of porosity, no shows.

"J" SANDSTONE: J-1

5118 - 5143 (23') Sandstone, white to light grey, very fine to fine grained, sub-rounded to sub-angular, glauconitic, clay filled, low to no porosity, no shows.

J-2

5152 - 5224 (72') See core description. Sand becoming shaley at the base.

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DRILL STEM TEST

NONE!

PLUGGING DATA

Well was plugged as recommended by Mr. D. V. Rogers of the Colorado Oil and Gas Conservation Commission. The hole was filled with 10# mud; a 15 sack cement plug was set in and out of the base of the surface casing; a 10 sack cement plug was set in the top of the surface (30'-0').

MUD DATA

Water base gel mud was used. Viscosity, weight and water loss were maintained by the addition of caustic, quebracho and water. Water loss at total depth was 6.0 cc.

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BIT RECORD

<u>RUN NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>SERIAL NO.</u>	<u>DEPTH OUT</u>	<u>HOURS</u>
1	7-7/8	HTC	OSC3A		2926'	17
2	7-7/8	Reed	YT3A		4642'	19½
3	7-7/8	Reed	YT1A		5126'	18½
4	7-7/8	HTC	OSC		5143'	1½
Core	5-7/8	Christensen	DIA.	(5145'-5195')		
5	7-7/8	Reed	YMR		5243'	7½
6	7-7/8	HTC	OWVJ1		5310	4½

HOLE DEVIATION

<u>DEPTH</u>	<u>DEGREE</u>
529'	1/4
1009'	1/2
1518'	3/4
1997'	1/2
2507'	1
2926'	1/4
3435'	3/4
3915'	3/4
4456'	1/2
4642'	1

CORE ANALYSIS

*Adjusted to log

<u>INTERVAL</u>	<u>HORIZONTAL</u>	<u>VERTICAL</u>	<u>POROSITY</u>	<u>OIL</u>	<u>WATER</u>
5152-53	2.9	2.7	14.5	0.0	82.0
5153-54	1.1	0.7	15.0	0.0	84.0
5157-58	0.1	2.0	8.8	0.0	84.1
5163-64	7.9	2.5	16.0	0.0	68.5
5169-70	7.5	4.5	13.3	0.0	83.4
5173-74	16.	18.	14.7	0.0	76.7
5178-79	1.0	0.6	15.6	0.0	80.6
5183-84	74.	43.	15.1	0.0	76.1

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