



BEST IMAGE
AVAILABLE

OPERATOR: Ackman and Ramsey; Anderman and Hayes
WELL NAME: #1 Cedar Creek Ranch, etal.
LOCATION: C-SE-SW Section 6, Township 9 North, Range 54 West,
Logan County, Colorado (1980' FWL - 600' FSL)
COMMENCED: December 1, 1965
SURFACE CASING: Set 103 feet of 8-5/8 inch casing at 111 feet K.B. with
80 sacks
ELEVATION: 4308 G.L., 4313 K.B.
CORES: None
DRILL STEM TEST: D.S.T. #1 5239-5246; D.S.T. #2 5345-5352
CONTRACTOR: Stuarco Oil Company - Murfin Drilling Company
SAMPLES: American Stratigraphic Company, Denver, Colorado
LOGS: Lane-Wells Induction, Minilog
COMPLETED: December 8, 1965
STATUS: Plugged and abandoned

FORMATION
SUMMARY:

<u>Formation</u>	<u>Log Tops</u>	<u>Datum</u>
Niobrara	4405	- 92
Carlile	4770	- 457
Greenhorn	4965	- 652
"D" Sand	5222	- 909
"J" Sand	5320	-1007
Total Depth (Logger)	5430	-1117
Total Depth (Driller)	5424	-1111

SAMPLE DESCRIPTION:

5200-5222: Shale, black/dark gray, carbonaceous, fissil.
5222-5231: Sand, gray/white, very fine grained, no/slight porosity
and permeability, angular/sub-rounded, trace friable,
no shows.
5231-5239: Shale, dark gray, silty, firm, sandy.
5239-5246: Sand, brown, very fine grained, slight/no porosity and
permeability, rounded/sub-angular, fair cut, dull yellow
fluorescence, brown stain.

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SAMPLE DESCRIPTION (cont.):

5246-5254: Shale, gray, sandy, firm.
 5254-5300: Shale, dark gray/black, carbonaceous, fissil.
 5300-5320: Shale, gray, fissil, silty.
 5320-5326: Sand, gray, very fine grained, no porosity or permeability, shaley, no shows.
 5326-5340: Sand, white, very fine grained, angular, no porosity and permeability, quartzitic, no shows.
 5340-5344: Shale, dark gray, fissil.
 5344-5353: Sand, brown, fine/medium grained, good porosity and permeability, friable, rounded/sub-angular, good cut, good fluorescence, free globules of light oil.
 5353-5362: Shale, gray, very sandy, firm.
 5362-5386: Sand, gray, very fine grained, salt and pepper, clay filled, angular, shaley, no/slight porosity and permeability, no shows.
 5386-5398: Shale, gray, silty, firm, sandy.
 5398-5424: Sand, gray, very fine grained, no porosity and permeability, shaley, no shows.

DRILL STEM TESTS:

D.S.T. #1 5239-5246: Tool open 60 minutes with weak blow, died in 23 minutes, dead for rest of test. Recovered 60 feet drilling mud, no shows.

I.H.P. 2793#
 I.F.P. 34#
 F.F.P. 66#
 F.S.I.P. 71# (45 minutes)
 F.H.P. 2783#

D.S.T. #2 5345-5352: Preflow 5 minutes, open 120 minutes with weak blow increasing to good in 4 minutes, steady throughout test. Recovered 1560 feet of gas in drill pipe, 45 feet of oil cut muddy water, 60 feet of oil cut water and 1095 feet of water.

I.H.P. 2836#
 I.S.I.P. 1407# (45 minutes)
 I.F.P. 84#
 F.F.P. 569#
 F.S.I.P. 1373# (60 minutes)
 F.H.P. 2811#

ELECTRIC LOG
CALCULATIONS:

<u>Interval</u>	<u>Porosity</u>	<u>Water Saturation</u>
5345-5348	20%	48%
5348-5352	20%	62%

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BIT RECORD:	Run	Size	Make	Type	Depth Out	Footage	Hours Run
	1	7-7/8	Varel	V3S	3022	2897	18-3/4
	2	7-7/8	Varel	V3S	4677	1655	17-1/2
	3	7-7/8	Varel	V3S	5246	569	19-3/4
	4	7-7/8	Varel	VH3	5941	95	12
	5	7-7/8	Varel	v2	5424	83	9-1/4

MUD CHARACTERISTICS:

Operation:	Drilling at 5392 feet on December 7, 1965
Weight:	9.8
Viscosity:	43
Ph:	9.5
Water Loss	4.0
Cake Thickness:	2/32
Salt ppm:	490

LOG OF DAILY OPERATIONS:

12-1-65:	Rigged up, spud 2:00 P.M., set 103 feet of 8-5/8 inch casing at 111 feet K.B. with 80 sacks. Plug down 4:30 P.M.
12-2-65:	Drilling at 643 feet.
12-3-65:	Drilling at 2711 feet.
12-4-65:	Drilling at 4445 feet.
12-5-65:	Drilling at 5191 feet, circulate for samples at 5218 feet.
12-6-65:	Drilling at 5246 feet, ran drill stem test #1.
12-7-65:	Drilled to 5224 feet, total depth, and ran logs.
12-8-65:	Ran drill stem test #2, plugged and abandoned.

CEMENT PLUGS:	Depth	Amount
	120 feet	15 sacks
	30 feet	10 sacks

STRAIGHT HOLE SURVEYS:	Depth	Deviation
	1007 feet	1/4°
	3022 feet	1-1/2°
	4677 feet	1°

DRILLING TIME:	(2' intervals added)
5200-5250:	2,3,3,3,2,3,3,3,3,3,7,8,10,12,18,23,30,26,17,21,50,32,18,20
5250-5300:	18,16,15,15,10,10,11,12,16,11,12,9,10,8,10,7,9,10,8,15,18,18,17
5300-5350:	17,15,13,18,24,15,21,19,26,25,17,10,12,14,15,13,12,18,20,69, 42,15,6,7,10
5350-5400:	11,12,7,5,7,19,18,12,15,17,15,7,8,8,4,2,4,10,10,8,11,10,21,8,11
5400-5424:	13,16,12,10,11,18,14,10,12,20,28,36