

Well: #1 B. M. Young
 Operator: Tipps Drilling Co., Inc.
 Contractor: Tipps Drilling Co., Inc., Rig #2
 Location: C SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 23-2N-58W
 County: Morgan
 State: Colorado
 Elevations: 4489 G.L.
 4497 K.B.
 Casing: 8-5/8" @ 100'
 Cores: "D" Sand
 Drill Stem Tests: 1 - Virg's Testers
 Electric Logs: Schlumberger
 Commenced: March 28, 1963
 Completed: April 2, 1963
 Status: Dry and Abandoned

ELECTRIC LOG FORMATION TOPS

Niobrara	4846	
Ft. Hays	5186	
Carlile	5231	
Greenhorn	5434	
Beatonite	5524	- 1027
"D" Sand	5619	- 1122
Total Depth	5645	Driller 5646



00105330

CORE NO. 1 5621 - 5646 Recovered 24'

- 5621 - 5630 Reworked sand and shale.
- 5630 - 5640 Sandstone, clean, good porosity and permeability, good odor, bleeding oil vertically. Outside of core highly flushed with filtrate water. Vertical fracture at 5635 and 1 inch shale at 5635-1/2.
- 5640 - 5641 Sandstone, tight appearing with large clay balls.
- 5641 - 5645 Sandstone, good porosity and permeability, water wet.

CORING TIME

5621 - 5646 Minutes/Foot

9, 10, 9, 9, 8, 7, 5, 4, 4, 20, 16, 16, 20, 21, 22, 28, 25, 25, 27, 18,
19, 25, 28, 29, 33.

DRILL STEM TEST NO. 1 5630 - 5636

Straddle test with total depth 5646.
 Initial and final shut-in, 20 minutes.
 Open 1 hour.
 Recovered: 290' slightly oil cut water.

Pressures:

Initial Hydrostatic	2995 psi
Final "	2955 "
Initial Flow	61 "
Final "	114 "
Initial Shut-in	420 "
Final "	405 "
Below bottom packer	1200 "

BIT RECORD

<u>No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Depth</u>		<u>Feet</u>	<u>Hours</u>
				<u>From</u>	<u>To</u>		
1	7-7/8	HTC	OSC3AV	101	3003	2902	23
2	7-7/8	Smith	DT	3003	4850	1847	24-1/4
3	7-7/8	HTC	OSC3A	4850	5465	615	14-1/2
4	7-7/8	Smith	DT2G	5465	5621	156	5-1/4
5	6-5/8	D&S	Diamond	5621	5646	25	7-1/2

CORE ANALYSIS

<u>Depth</u>	<u>Vert. Perm.</u>	<u>Hor. Perm.</u>	<u>Porosity</u>	<u>Oil Sat.</u>	<u>Water Sat.</u>
5630-5631	28	72	17.5	15.4	54.8
5631-5632	3	72	18.4	14.7	42.4
5632-5633	28	84	16.5	15.7	43.7
5633-5634	123	170	19.9	17.6	50.3
5634-5635	21	258	17.9	14.0	46.9
5635-5636	417	553	19.3	15.5	48.9
5636-5637	229	266	19.0	17.8	46.3
5637-5638	233	277	20.1	15.9	48.8
5638-5639	38	281	20.2	5.9	54.5
5639-5640	197	298	19.5	6.2	61.6
5640-5641	120	279	18.5	1.1	75.7

REMARKS:

This well was offsetting a 10-acre location in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ which had oil saturation in the top 15' of "D" Sand. This test ran structurally 11' lower. The upper 25' of "D" was cored. Ten feet of oil saturation was encountered and a drill stem test was run, finding the zone to be water bearing and with very low pressures. Due to the close proximity of the previous well and it having no shows in the lower "D" or the "J", it was decided that further drilling was unnecessary.