

WELL HISTORY

by

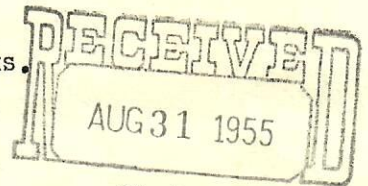
W. R. Young



Byers Unit Area P051-9
Exploratory Well
 Sohio Petroleum Company
 #1 Flader
 NW NW 18-3S-59W
 Adams County, Colorado

Chronological History

8/8/55 Spudded.
 8/9/55 Set 9-5/8" surface casing at 212' with 120 sacks.
 8/14/55 Core #1, "D" sand, 6194-6209.
 8/15/55 Core #2, "J" sand, 6030-6081.
 8/16/55 Ran electric and microlog at TD 6382.
 8/17/55 Plugged and abandoned.



OIL & GAS
 CONSERVATION COMMISSION

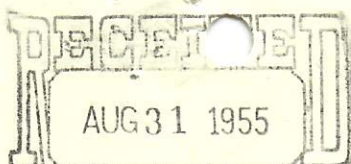
Operational Record

Elevation 4974 Gr
 4982 KB

Electric Log: 212-6371
 Microlog: Yes
 Directional Survey: No
 Dipmeter: No
 Gamma Ray: No
 Mud Log: No
 Cores: Yes
 Core Analysis: Yes
 Paleontology: No
 Other Services: Geolograph

Formation Tops (Schlumberger)

Niobrara	5324
Timpas Limestone	5746
Carlile shale	5792
Bentonate Marker	6094
"D" Sand	6192
"J" Sand	6242
TD (Schl.)	6371
TD (Drlr.)	6382



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SAMPLE DESCRIPTION

Sohio Petroleum Company
#1 Flader
NW NW 18-3S-59W
Adams County, Colorado

<u>From</u>	<u>To</u>	<u>Description</u>
5300	5390	Dark grey shale with scattered bentonite.
5390	5400	Shale, light grey with white fossiliferous inclusions.
Sample top NIOBRARA 5340		
5400	5760	Shale as above getting darker with depth, trace siltstone and occasional bentonite.
Sample top TIMPAS 5748		
5760	5770	White to buff hard limestone.
5770	5810	Lime as above.
Sample top CARLILE 5792		
5810	5820	Decrease in lime, increase in shale, trace soft grey-brown shale.
5820	5850	Abundant dark grey shale, scattered to trace lime, trace pyrite.
5850	5870	Shale as above.
5870	5880	Shale as above with trace grey impure granular silty lime.
5880	5890	As above with scattered grey granular lime.
5890	5910	Shale with trace light brown crystalline lime.
5910	5930	As above with added trace grey granular lime.
5930	5940	Dark grey shale.
5940	5980	Shale with trace dark grey-brown crystalline lime and grey silty lime, trace pyrite.
5980	6000	Bad sample.
6000	6070	Shale with scattered to trace brown lime and grey impure lm.
6070	6080	Shale with trace brown crystalline lime and trace white-grey bentonite
6080	6100	Bad sample.
6100	6140	Same as sample 6070-80.
6140	6160	Bad sample.
6160	6170	Same as sample 6100-6140.
6170	6180	Same with slight trace pyrite.
6189		Circulated 1 hour - at 30 and 45 min. Slight trace fine grained dirty to clean grey sand. (Steel line measure 6189 = 6194)
Sample top "D" sand 6194.		
6194	6209	CORE #1, "D" sand. Recovered 15'. 3' Shale and siltstone, dark grey, hard, slightly sandy, slightly pyritic. 1.5 Siltstone, light grey, very hard, quartzitic with calcite fillings, grading to slightly sandy at bottom. .5 Shale and siltstone. 1 Siltstone, dark grey. 1.5 Sandstone, light grey, quartzitic, very fine grained, hard and tight, dirty, no shows, grading to siltstone at bottom. 2 Siltstone, light grey, very sandy, very fine grained, grading to slightly sandy at bottom. 5 Siltstone, grey to brown, shaly grading to shale at bottom. .5 Shale, black, fissile.
6210	6230	Abundant cavings, dark grey shale, siltstone and lime.
	6230	Circulated 1 hour - trace fine grained white to impure sandstone.
6230	6281	CORE #2, "J" sand. Recovered 51'. 11' Shale, black, fissile, slightly silty to very silty in bottom 6' .5 Sandstone, very fine to fine grained, very pyritic, micaceous and carbonaceous, slightly fossiliferous, poor permeability, no shows. 8.5 Sandstone, very fine grained, ashy grey, carbonaceous, slightly reworked, fair permeability and porosity, wet, no shows. 20.5 Sandstone, very fine grained, ashy grey, slightly carbonaceous, fair to poor permeability and porosity, wet, no shows. Bottom 6' hard and tight, slightly glauconitic in bottom 1'. 7.5 Shale and siltstone. 4 Sandstone, very fine grain, grey to brown, clay filled, very silty. hard and tight. no shows.

6280 6330 Abundant shale and siltstone and scattered sand, fine grained grey to white, trace pyrite.
 6330 6360 Shale and siltstone with very slight trace sandstone and pyrite.
 6360 6382 Shale and siltstone.

NO DRILL STEM TESTS TAKEN



DRILLING TIME (per 2' intervals)

5700 5800 3, 3, 4.5, 2.5, 3, 4.5, 4, 3.5, 4, 4, 3, 4, 4.5, 3.5, 3.5, 4, 4, 3.5, 4, 3.5, 4.5, 4.5, 4, 4.5, 5.5, 6, 5, 5, 4.5, 4, 3.5, 6, 8, 9, 5, 6.5, 8, 7, 6, 7, 7, 7, 7, 6, 5, 3.5, 4, 5, 4.

5800 5900 4, 4.5, 4.5, 4.5, 5, 5, 6, 5.5, 5.5, 5, 5, 4.5, 5.5, 5, 6, 5, 5.5, 4.5, 6, 7, 6, 6, 7, 4, 4, 5, 5, 6, 7, 5, 4.5, 6, 5, 6, 7.5, 6.5, 6, 8, 8, 5, 5, 5, 6, 6, 9, 6, 5.5, 5, 5, 4.5.

5900 6000 6, 6, 6, 5, 6, 6.5, 6, 7.6, 4, 6, 4.5, 4.5, 6.5, 5, 7.5, 6, 4, 3, 5, 3, 4.5, 2.5, 4, 4, 3, 3, 3, 3, 4, 4, 4, 2.5, 3, 2.5, 3, 3.5, 3.5, 3, 2.5, 3, 3.5, 3.5, 3.5, 3, 3.5, 3.5, 3, 3, 3.

6000 6100 3.5, 3.5, 3, 3.5, 3.5, 3, 3.5, 3, 3.5, 5, 4.5, 3.5, 3, 3.5, 4, X, 6, 5, 4, 4, 4, 5, 4, 3, 3, 5, 4, 3, 2, 3, 3, 4, 3, 4, 3, 3.5, 3.5, 3, 3.5, 3.5, 3, 3, 2, 2, 2.5, 2.5, 3, 2, 2.5, 2.

6100 6194 2, 2.5, 2, 2, 2, 2, 2, 2.5, 2, 2.5, 2, 2.5, 1.5, 2.5, 2.5, 2.5, 2.5, 2.5, 2.5, 2, 2.5, 2.5, 2.5, 4.5, 4.5, 4, 4, 6, 6, 5, 6, 6.5, 6, 5, 6, 7, 7.5, 6.5, 7.5, 6.5, 6, 6, 5.5, 5.5, (5' correction here, SLM = 6194)

6194 6209 CORE #1 (1' intervals) 22, 19, 26, 30, 23, 21, 20, 20, 20, 20, 33, 20, 34, 23, 34.

6209 6230 3, 1.5, 2, 3, 3, 3, 3, 2.5, 3.5, 4.

6230 6281 CORE #2 (1' intervals) 32, 26, 23, 32, 35, 34, 28, 27, 19, 19, 30, 27, 17, 12, 14, 10, 9, 6, 5, 4, 5, 4, 6, 4, 5, 6, 8, 5, 4, 4, 4, 5, 4, 5, 6, 6, 6, 5, 4, 5, 22, 20, 20, 17, 20, 33, 33, 28, 11, 13, 13.

6281 6382 4, 7, 10, 5, 9, 9, 4, 4, 5, 5, 5, 4, 5, 4, 4, 5, 5, 4, 4, 4, 5, 4, 4, 5, 5, 6, 7, 9, 9, 10, 10, 9, 9, 12, 10, 11, 14, 12.5, 13, 21, 26, 28, 23, 32, 32, 18, 19, 10, 13, 20.