

NOV 7 1955  
OIL & GAS  
CONSERVATION COMMISSION

WELL HISTORY

by  
W. R. Young



Contractor: Cortez Drlg. Co.

BYERS UNIT AREA P051-9  
Developmental Well AFE 51-5079  
Sohio Petroleum Company  
#B-1 Flader Industries  
C NW SW 9-3S-60W  
Adams County  
Colorado *SE*

Chronological History

9-6-55 Spudded. Set 9-5/8" surface casing at 92' with 125 sacks.  
9-12-55 Drilling at 5880'.  
9-14-55 Cut Core #1, 6410-6449 ("D" sand).  
9-15-55 Ran DST #1, 6434-6449.  
9-16-55 Cut Core #2, 6474-6524 ("J" sand).  
9-17-55 Plugged and Abandoned at total depth 6578'.

Operational Record

Elevation

Electric Log: 98'-6548'  
Microlog: Yes  
Directional Survey: No  
Dipmeter: No  
Gamma Ray-Neutron: No  
Mud Log: No  
Cores: Yes  
Core Analysis: Yes  
Paleontology: No  
Other Services: Geolograph

GL 5037  
KB 5045

Formation Tops (Schlumberger)

Niobrara 5610  
Timpas 5970  
Carlile 6013  
Bentonite 6308  
"D" Sand 6412  
"J" Sand 6472  
TOTAL DEPTH 6548 (6578 Driller)

SAMPLE DESCRIPTION, CORES & DST's

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<u>From</u>	<u>To</u>	<u>Description</u>
5630	5640	First sample of Niobrara (grey shale with chalky white inclusions.) Sample top NIOBRARA shale 5606
5970	5980	First sample of Timpas (chalky white to buff hard limestone.) Sample top TIMPAS limestone 5970 Sample top CARLILE shale 6012
6090	6100	First sample of Greenhorn (grey to light brown granular to crystalline limestone.) Sample top GREENHORN limestone 6080
6404		Circulated one hour for samples - no sand.
6410		Circulated one hour for samples - recovered one piece of very fine grained dirty sandstone after one hour, no shows.
6407 (Corr. to Schl.)	6446	CORE #1 ("D" Sand) Cut 39', recovered 36'. Time: 12-15-18-28-17-17-5-4-11-7-7-7-7-8-5-6-8-9-9-9-9-11-9-10-12-8-8-8-8-7-10-8-10-12-11-10-10-17-26. 2' Shale, dark grey, sandy and reworked. 3' Shale, black, poker chip with occasional thin sand streaks. 23.5' Sandstone, very fine grained, shaly, slightly reworked with abundant thin shale laminations throughout, coaly top 4', no apparent permeability, no odor, stain, or fluorescence. 2.5' Sandstone, fine grained, clean, slightly clay filled, vertical fractures, fair p & p, light oil stain throughout, fair odor and fluorescence, bleeding oil from vertical fractures. 6' Sandstone, fine grained, light grey, no apparent permeability, no odor, stain, fluorescence, interlaminated with shale, slightly reworked. 2' Lost. Core time indicated shale.
		DST #1, 6434-6446. Open 2 hours, shut in 30 minutes. Strong steady blow, gas to surface in 1 hour 13 minutes. Recovered 200' fluid being 110' oil, slightly mud cut on bottom, 60' O&GCM, 30' muddy water slightly salty. IFP 0, FFP 0, SIP 1500, HP 3750.
6476	6526	Core #2 ("J" Sand) Cut and recovered 50'. Time: 3-4-6-16-19-15-18-16-15-17-22-12-15-20-24-19-23-21-18-14-19-20-22-18-14-11-9-3-4-12-24-22-17-11-13-8-8-4-4-3-4-4-5-7-8-8-9-7-8-6-7. 3.5' Reworked sand and shale, low permeability, no odor stain fluorescence. 1' Sandstone, fine grained, very glauconitic, hard and tight, no odor stain fluorescence. 1.5' Shale, dark grey, slightly bentonitic, slightly sandy and reworked. 4' Shale, dark grey, silty, slightly bentonitic. 4' Siltstone, dark grey, hard, slightly sandy, shaly at bottom. 10' Shale, black, poker chip, grading to slightly sandy at bottom and reworked. 2' Shale, dark grey, slightly sandy, reworked. 3' Sandstone, fine grained, light grey, slightly coaly with abundant carbonaceous shale partings, poor to fair p & p, slight gas odor, no stain or fluorescence, bottom 3" very quartzitic, hard and tight. 3' Shale, black, fissile.

<u>From</u>	<u>To</u>	<u>Description</u>
	11'	Sandstone, very fine grained to silty, grey, ashy, clay filled, tight, no odor stain fluorescence, grading to siltstone at bottom.
	7	Reworked sand and shale, tight, no shows.
6530	6550	Abundant cavings, trace quartzitic sandstone, white, hard and tight, trace dirty sandstone.
6550	6560	Trace very fine to fine grained dirty sandstone, trace white fine grained sandstone, no shows.
6560	6570	Very slight trace dirty sandstone, no shows.
6570	6580	Very slight trace clean white fine grained sandstone, no shows.

