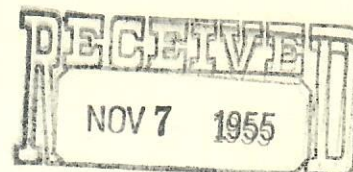




# WELL HISTORY

by

W. R. Young



OIL & GAS  
CONSERVATION COMMISSION

Contractor:  
Cortez Drilling Co.

Byers Unit Area P051-9  
Exploratory Well AFE 51-5073  
Sohio Petroleum Company  
#1 Flader Benham  
C SE SW 10-3S-59W  
Adams County, Colorado

## Chronological Well History

8-24-55 Spudded  
8-25-55 Set 138' of 9-5/8" surface casing at 148' with 100 sacks.  
8-30-55 Shut down 5516' for pump repairs.  
8-31-55 Drilling ahead at 5520'.  
9-2-55 Core #1, 6060-6100' (corrected to agree with Schlumberger meas.)  
9-4-55 Core #2, 6142-6193' ( " " " " " " )  
9-5-55 Reamed and drilled to total depth 6290'.  
9-6-55 Ran electrical log and microlog.  
PLUGGED AND ABANDONED

## Operational Record

Electrical Log:	150-6278'
Microlog:	Yes
Directional Survey:	No
Dipmeter:	No
Gamma Ray:	No
Mud Log:	No
Cores:	Yes
Core Analysis:	Yes
Paleontology:	No
Other Services:	Geolograph

## Elevation

GL	5021
KB	5029

## Formation Tops (Schl.)

Niobrara	5276
Timpas	5628
Carlile	5672
Bentonite marker	5964
"D" sand	6066
"J" sand	6115
Skull Creek	6262
Total Depth	6278 (6290 by driller)

6115  
5030  
-1085

SAMPLE DESCRIPTION, CORES & DST's

by  
W. R. Young

Sohio Petroleum Company  
#1 Fleder-Benham  
C SE SW 10-3S-59W  
Adams County, Colorado

<u>From</u>	<u>To</u>	<u>Description</u>
5300	5640	Grey to black shale with small white fossiliferous inclusions, scattered particles of pyrite and bentonite. NIOBRARA SHALE (Sample top 5270)
5640	5680	Chalky white to buff limestone. TIMPAS LIMESTONE (Sample top 5630)
5680	5690	Scattered white limestone, soft grey shale. CARLILE SHALE (Sample top 5676)
5690	5750	Shale, grey to black, trace pyrite and limestone.
5750	5770	Scattered grey-light brown granular to crystalline limestone. GREENHORN LIMESTONE (Sample top 5744)
5770	5870	Scattered to trace grey and brown crystalline limestone, scattered pyrite and bentonite.
5870	5890	Shale, grey to black.
5890	5970	Trace grey to brown limestone and pyrite.
5970	6010	Abundant scattered white to brown crystalline limestone with trace bentonite. BENTONITE MARKER (Sample top 5950)
6010	6064	Shale with trace limestone, bentonite, and pyrite.
	6064	Circulated 1 hour: Trace of white fine grained sandstone at 45 minutes. No show. "D" SAND (Sample top 6062)
6064	6104	CORE #1 ("D" sand) Cut 40', recovered 40'. Core interval by Schlumberger measurement: 6060-6100. 6.5' Interbedded siltstone and shale, slightly sandy. 16 Sandstone, fine grained, clean to slightly shaly, poor to fair permeability and porosity, no odor, stain, or fluorescence, looks wet. 17.5 Shale, black, soft to fissile.
6100	6142 (Schl.)	Upper "J" sand not cored; samples showed abundant fine grained, white sandstone in upper section (6115-22) and fine grained, light grey sandstone with dark crystalline quartz inclusions and dirty sand in lower section (6128-40). No shows were observed with electric and microlog indicating both sections to be tight.
6142	6193 (Schl.)	CORE #2 ("J" sand) Cut 51', recovered 51'. 4' Shale, black, fissile. 4' Grey silty sand, tight, no shows. 3' Sandstone, fine grained, carbonaceous, tight, slight gas odor, no stain or fluorescence. 1.5 Silty fine grained sandstone, tight, no show. 2 Sandstone, fine grained, clean, tight, no show. 1 Sandstone, fine grained, white, tight, no shows, wet. 6.5 Tight silty fine grained sandstone, no shows. 29 Sandstone, fine grained, light grey, carbonaceous, poor to fair porosity and permeability, no shows.
6193	6290	Very fine grained dirty sandstone and black shale. No drill stem tests were attempted.



DRILLING AND CORING TIME  
#1 Flader-Benham

<u>From</u>	<u>To</u>	<u>Time</u> (2' intervals taken from Geolograph)
5610	5700	12-6-7-7-8-8-8-6-6-7-7-8-7-7-6-6-6-8-13-10-8-8-8-8-8-7-7-5-5-7-7-5-4-4-4-5-X-5-4-5-5-4-4-3-3.
5700	5800	3-2.5-3-3-4-4-4.5-5-5-5-5-4.5-3-2.5-5-5-4.5-4-3-4.5-3.5-X-X-6-7-5-9.5-4-4-6-6-9-5-5-5-6.5-7-8-7-8-7-7-4.5-4-4-9-5-7-5-5-5.5
5800	5900	5-5-6-6-5-5-7.5-5-7-6-3.6-4-3-3-3-4-4-4-4-4-4-4-3.5-3-3.5-3-3-2.5-3.5-3-3-3.5-3.5-3.5-3-4-4-3-3.5-3-3-3-3-4-3.5-3.5-4-4-4-3
5900	6000	3-4-4-5.5-4.5-5-4-8-4-3-5-3-5-4-4.5-5-5-4.5-4.5-3-3-4-3-3-2.5-2.5-2.5-3.5-4-4.5-3.5-3-3-4-4-5-4-5-4-3-4.5-3.5-3.5-4.5-3.5-4.5-5.5-6-5-2.5
6000	6064	2-3-4-3-3-3-4-5-4.5-8-5.5-4.5-5-4-3-4-4-3.5-4-4-4-4-4-4-4.5-3-3-4-4-4-10
6064	6104	30- CORE #1 (1' intervals)/15-22-29-23-21-13-6-6-5-5-8-7-6-8-7-4-4-4-5-6-7-20-25-28-29-36-35-25-32-32-32-25-28-34-34-42-49-45-43
6104	6144	4-6-7.5-10-10-7-10-8-11-10.5-10-5-13-11-5.5-5-5-4-4-9-18
6144	6195	CORE #2 (1' intervals) 5-27-32-23-17-8-12-10-8-4-5-10-14-8-15-6-13-11-12-11-10-11-8-7-14-10-7-6-5-5-3-4-6-5-6-5-6-7-6-7-8-8-5-7-9-9-14-15-17-12-11
6195	6298	3-4-6-6-13-6-6-14-12-11-10-11-9-14-15-11-12-13-13-7-7-9-12-14-12-13-10-14-16-18-17-26-25-17-17-9-13-20-13-15-12-10-10-14-19-5-16-10-20-13.5-17