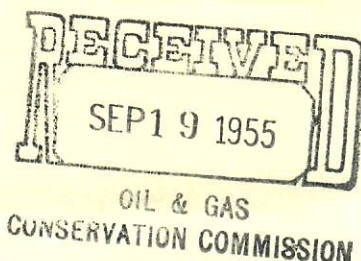


SAMPLE DESCRIPTION  
CORES AND DRILL STEM TESTS  
by  
W. R. Young



Sohio Petroleum Company  
#1 UPRR-Noonan  
SW NW SW 15-3S-59W  
Adams County, Colorado

<u>From</u>	<u>To</u>	<u>Description</u>
5650	5690	Dark grey to black shale with inclusions of white lime (Niobrara) occasional bentonite and pyrite.  TIMPAS limestone (Sample top 5690')
5690	5720	Chalky white limestone, black shale with occasional bentonite.  CARLILE (Sample top 5720')
5720	5760	Gray shale with occasional white limestone and bentonite.  GREENHORN (Sample top 5760')
5760	6020	Grey calcareous siltstone, pink to brown limestone, occasional platy siderite and pyrite, grey shale.  BENTONITE AND BROWN LIME MARKER (Sample top 6020')  "D" sand (Sample top 6064')
6064	6067	Fine grained, clean sandstone, no show.
6067	6107	CORE #1 ("D") Cut 40', recovered 39-1/2'. 4' Sandstone, fine with thin shale partings, no show. 11' Sandstone, spotty oil stain, zones of bleeding oil, thin shale partings. 1' Sandstone, oil stain throughout. 4-1/2' Sandstone, spotty oil stain. 7-1/2' Sandstone, no stain, gas odor, shale partings. 4' Sandstone, no stain, kerosene and gas odors. 3' Sandstone, good oil stain. 4-1/2' Sandstone, shale partings, no show.
6108	6131	CORE #2 ("D") Cut 23', recovered 22'. 22' Sandstone, fine, tight, no show, looks wet with scattered shale and carbonaceous partings. 1' Lost, drilling time indicative of shale.
6143	6193	CORE #3 ("U") Recovered 50'. 15' Sandstone, fine to very fine, silty, dirty, scattered carbonaceous partings, no show. 1/2' Black shale. 3' Sandstone, very quartzitic, hard and tight, scattered carbonaceous partings and pyrite nodules, no show. 14-1/2' Shale, silty to black, poker chip. 3' Sandstone, fine, tight, with vertical fractures, slight gas odor, spotty fluorescence, scattered carbonaceous partings. 5' Sandstone, light oil stain, kerosene odor, scattered carbonaceous partings. 5' Sandstone, quartzitic, hard and tight, spotty oil stain in bottom 2', scattered carbonaceous material. 4' Sandstone, clean, fine, good even stain.
6193	6225	CORE #4 ("J") Recovered 32'. 6' Sandstone, fine, clean, spotty oil stain, looks wet. 1' Sandstone, slight oil stain along vertical fractures, looks wet. 13-1/2' Sandstone, very small horizontal and vertical fractures, no show, shale partings. 11-1/2' Sandstone, very fine, silty, dirty, no show, scattered carbonaceous partings, grading to quartzitic at bottom.



Hole drilled to 6298'. Samples showed shaly sand and shale.

DST #1, 6080-6104, ("D") straddle packers. Open 3 hours, shut in 30 minutes, immediate strong blow of air, steady throughout test. Gas to surface in 20 minutes in 1/2 hr @ 265 MCF

1 hr @ 535 MCF

1-1/2 hr @ 690 MCF

2 hr @ 700 MCF

3 hr @ 745 MCF levelling

Recovered 125' free oil (39.2° gravity corrected), 245' heavily oil and gas-cut mud (30% oil), 150' water (90' muddy, 60' slightly muddy to clear).

IBHFP 215, FBHFP 275, SIBHP 1525, HP 3175.

DST #2, 6180-6193, ("J") straddle packers. Open 1 hour, shut in 15 minutes, no gas to surface, light blow throughout test.

Recovered 305' fluid being 5' oil-cut mud, 80' oil and gas-cut muddy water, 220' slightly oil cut water. IBHFP 0, FBHFP 110, SIP 1665, HP 3245.

6298 TOTAL DEPTH

Elevation

5046' Gr

5054' KB

Schlumberger Tops

Niobrara	5252
Carlile	5715
Greenhorn	5752
Bentonite Marker	6003
"D" sand	6058
"J" sand	6143
Skull Creek	6296
TD	6298

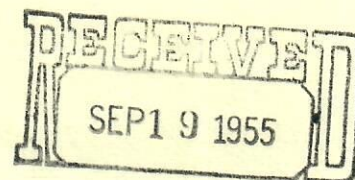
Casing

150' of 9-5/8" surface casing at 160' with 150 sacks.

175 joints 5-1/2" 14# J-55 and 26 joints 5-1/2" 15.5# J-55 at 6296' with 175 sacks. Float collar at 6260.



WELL HISTORY  
by  
W. R. Young



OIL & GAS

Byers Unit Area CONSERVATION COMMISSION  
Exploratory Well  
Sohio Petroleum Company  
#1 UPRR-Noonan  
SW NW SW 15-3S-59W  
Adams County, Colorado

Contractor: Cortez Drlg. Co.

Chronological History

6/25/55 Spudded. Set 152' of 9-5/8" surface casing at 160' with 150 sacks.  
6/28/55 Drilling 4670.  
6/30/55 Drilling 5838'.  
7/2/55 Sample top "D" 6064'. Core #1, 6067-6107  
7/3/55 Core #2, 6108-6131'. DST #1, 6080-6104.  
7/4/55 Sample top "J" 6142. Core #3, 6143-6193. Core #4, 6193-6225.  
7/5/55 DST #2, 6180-6193'. Drilled to TD 6298'. Ran electric log and microlog.  
7/6/55 Set 175 joints 5-1/2" 14# J-55 and 26 joints 5-1/2" 15.5# J-55 at 6296' with 175 sacks; float collar at 6260. Released rig.  
7/21/55 WOCT

Formation Tops

<u>Formation</u>	<u>Schlumberger Top</u>	<u>Elevation</u>
Niobrara	5252	5046' Gr
Carlile	5715	5054 KB
Greenhorn	5752	
Bentonite marker	6003	
"D" sand	6058	
"J"	6143	
Skull Creek	6296	
TD	6298	

Completion Data

Perforated 2nd "J" zone, 6174-6182, with 32 jet shots. Set 6126' of 2-1/2" tubing at 6138'. Sand-oil squeezed perforations with 5000 lbs. sand, 5000 gallons oil. Broke down formation with 4000 lbs. Swabbed total 18-1/2 hours, recovered 79 barrels load oil and 28 barrels water.

Plugged back to 6260'.

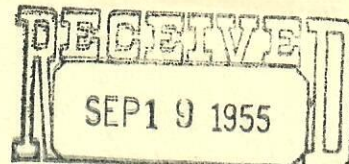
Perforated "D" sand, 6088-6096, with 32 jet shots. Set 6067' of 2-1/2" tubing at 6072'. Swabbed dry, in 24 hours recovered 3/4 barrel oil with gas flow from 107 MCFPD to 170 MCFPD. Sand-oil squeezed perforations with 10,000 gallons oil, broke formation with 3400 lbs. swabbed to pits at 1000 MCFPD. Shut well in August 15, 1955.

Operational Record

Electric log:	164-6298'
Microlog:	Yes
Directional Survey:	No
Dipmeter:	No
Gamma Ray-Neutron:	Yes
Mud Log:	No
Cores:	Yes
Core Analysis:	Yes
Other Services:	Geolograph



# DRILLING TIME RECORD



Sohio Petroleum Company & GAS  
 #1 UPRR-noon  
 SW NW SW 15-3S-59W  
 Adams County, Colorado

Interval	Time	Interval	Time	Interval	Time
5300-	05 5	5600-	35 19	5900-	65 9
	10 6.5		40 18		70 7
	15 5		45 14		75 6
	20 6		50 17		80 5
	25 6		55 17		85 9
	30 8		60 13		90 6
	35 6		65 15		95 6
	40 7.5		70 14	6000-	6000 6
	45 7		75 13		05 5.5
	50 7		80 13		10 6
	55 7		85 10		15 7
	60 7		90 10		20 7
	65 6.5		95 10.5		25 7
	70 6.5		5700-		30 8
	75 7		05 9		35 14
	80 5		10 9		40 12
	85 5		15 11		45 9
	90 6		20 10		50 16
	95 7		25 10		55 4
5400-	5400 6		30 10		60 4
	05 5		35 10		65 5
	10 5		40 9		67 4
	15 6		45 9		
	20 7		50 10	Core #1	
	25 6.5		55 9	6067--6107	
	30 5.5		60 9	6067	68 9
	35 5		65 8		69 10
	40 5.5		70 9		70 7
	45 6		75 10		71 8
	50 7		80 10		72 7
	55 9		85 10		73 9
	60 7		90 9		74 5
	65 5		95 10		75 6
	70 5		5800-		76 7
	75 7		05 12		77 4
	80 7		10 10		78 5
	85 9		15 13		79 6
	90 6.5		20 16		80 6
	95 7		25 13		81 6
5500-	5500 7		30 10.5		82 5
	05 7.5		35 14		83 7
	10 7		40 11		84 7
	15 9		45 9		85 6
	20 7		50 9.5		86 7
	25 8.5		55 9.5		87 6
	30 9		60 9		88 7
	35 9		65 9		89 6
	40 10		70 9		90 5
	45 9		75 8		91 7
	50 9		80 9.5		92 8
	55 9		85 9		93 7
	60 9		90 9.5		94 5
	65 8		95 9		95 10
	70 8		5900-		96 14
	75 9		05 5		97 9
	80 9		10 4.5		98 8
	85 9		15 5		99 9
	90 14		20 6	6100	8
	95 15		25 8		01 8
5600	5600 9		30 8		02 8
	05 14		35 10		03 5
	10 13		40 11		04 6
	15 11		45 10		05 9
	20 14		50 5		06 8
	25 15		55 7		07 8
	30 16		60 7		

DRILLING TIME RECORD  
Page 2

Sohio Petroleum Company  
#1 UPRR-Noonan  
SW NW SW 15-3S-59W  
Adams County, Colorado

Interval	Time	Interval	Time	Interval	Time
Drilled		6172-	73 20	6260-	65 10
6107- 08			74 20		70 11.5
			75 15		75 14.5
Core #2			76 6		80 14
6108--6131			77 6		85 15
6108- 09	6		78 5		90 16
10	8		79 6		95 19.5
11	7		80 8		98 12
12	6		81 6		
13	6		82 6		
14	7		83 5		
15	7		84 6		
16	7		85 8		
17	6		86 10		
18	7		87 13		
19	8		88 12		
20	7		89 9		
21	7		90 15		
22	9		91 11		
23	5		92 13		
24	6		93 10		
25	6				
26	8	Core #4			
27	8	6193--6225			
28	7	6193-	94 15		
29	5		95 17		
30	9		96 13		
31	20		97 14		
			98 12		
Drilled			99 21		
6131 36	14		6200 17		
41	14	6200-	01 18		
43	9		02 17		
			03 19		
Core #3			04 15		
6143--6193			05 21		
6143 44	8		06 18		
45	12		07 21		
46	15		08 21		
47	14		09 27		
48	10		10 29		
49	6		11 28		
50	5		12 24		
51	5		13 26		
52	5		14 15		
53	4		15 10		
54	5		16 8		
55	3		17 6		
56	4		18 8		
57	5		19 7		
58	13		20 7		
59	22		21 9		
60	8		22 9		
61	8		23 14		
62	15		24 14		
63	19		25 12		
64	18				
65	17	Drilled			
66	17	6225	30 10		
67	23		35 9		
68	22		40 9.5		
69	20		45 9		
70	14		50 9.5		
71	20		55 8.5		
72	19		60 9.5		