



WELL HISTORY  
by  
Floyd Cook

Contractor: Anschutz Drig. Co.

EAST STERLING AREA - P051-3  
Exploratory Well  
Sohio Petroleum Company  
#2 State 4420  
SW NW, 35-8N-51W  
Logan County, Colorado

Chronological History

4-13-56 Spudded  
4-13-56 Set 8 5/8" to 176.56' with 135 sacks  
4-17-56 Cut core #1  
4-18-56 Cut core #2  
4-18-56 Cut core #3  
4-19-56 Cut core #4  
4-20-56 Cut core #5  
4-20-56 DST #1  
4-21-56 Ran Schlumberger  
4-21-56 Plugged & abandoned

Operational Record

Elevation

Electric Log: 177'-4752'  
Microlog: Yes  
Directional Survey: No  
Dipmeter: No  
Gamma Ray-Neutron: Yes  
Mud Log: No  
Cores: 5  
Core Analysis: Yes  
Paleontology: No  
Other Services: Geolograph

4367 KB  
4357 Gr.

Formation Tops (Schlumberger)

Niobrara	3738'
Carlile	4116'
Greenhorn	4340'
Bentonite	4461'
"D" sand	4554'
"J" sand	4654'
TD	4752'

Cores and Drill Stem Tests

CORE #1, "D" Sand, 4553-75', cut 22' rec. 22'

Time: 16, 12, 4, 17, 18, 11, 11, 23, 10, 20, 24, 16, 10, 7, 12, 9,  
8, 8, 9, 2, 27, 43.  
2' Shale, black, fissile  
2' Sand, reworked, v.f.g., tite, spotty stain  
1' Sand, medium grained, fair P&P, strong odor & even stain  
1' Silt  
1' Sand, as above  
1' Silt  
1' Sand, as above  
3' Silt  
8' Sand, v.f.g., tite, looks wet, reworked in part  
3' Sand, reworked with shale  
Barrel jammed

CORE #2, "D" Sand, 4575-4604, cut 29' rec. 26'

4' Sand, reworked, v.f.g. tite, N.S., with interbedded silt  
6' Sand, v.f.g., fair to poor P&P, spotty stain in upper 2½',  
occasional shale laminae  
16' Silt and interbedded shale





35-8N-SIW

Well History

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#2 State 4420

CORE #3, "J" Sand, 4655 -4662, cut 7' rec. 7'

Time: 35, 29, 14, 11, 11, 10, 37.

$\frac{1}{2}$ ' Shale, black

$5\frac{1}{2}$ ' Reworked sand, v.f.g., tite, N.S.

1' Sand, medium grained, good P & P, strong odor & taste, even stain  
Barrel jammed

CORE #4, "J" Sand, 4662-64, cut 2' rec.  $1\frac{1}{2}$ '.

$1\frac{1}{2}$ ' Sand, medium grained, good P & P, strong odor and taste,  
flushed on edges, bleeding oil, mud, and water.

Barrel jammed

CORE #5, "J" Sand, 4664-95, cut 31' rec. 31'.

Time: 38, 30, 30, 28, 24, 40, 29, 34, 16, 16, 18, 15, 15, 11, 14,  
19, 9, 9, 15, 17, 21, 11, 16, 15, 20, 34, 29, 20, 21, 22, 34.

9' Sand, medium grained, good P & P, even stain, strong odor &  
taste, vertical fractures.

10' Shale, occasional silt laminations.

12' Sand, medium grained, white, good P & P, N.S., looks wet,  
vertical fractures.

Last circulation

DST #1, 4657-69, open 30 minutes, SI 20 minutes. Recovered 20' sli GCM &  
2600 water.

IFP 650

FFP 1090

SIP 1100

HP 2420