



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' | 4367 KB |
| Microlog: | Yes | 4357 Gr. |
| Directional Survey: | No | |
| Dipmeter: | No | |
| Gamma Ray-Neutron: | Yes | |
| Mud Log: | No | |
| Cores: | 5 | |
| Core Analysis: | Yes | |
| Paleontology: | No | |
| Other Services: | Geolograph | |

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 2 1/2',
occasional shale laminae
- 16' Silt and interbedded shale



35-8N-SIW

Well History

- 2 -

#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