



00269910

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COLORADO OIL & GAS CONS. COMM.

RESUME

Operator: C. W. Hughes-Sotexco-et al
 Well: #3 Turner
 Location: C SE NW Section 7-T9N-R53W
 Elevation: 4147' GL, 4154' KB
 Spud: November 6, 1977
 Surface casing: 8-5/8" @ 106' with 75 sacks
 Completed drilling: November 10, 1977
 Total depth: 5047' Logger, 5036' Driller
 Tests: Four drill stem tests (see report)
 Results: Dry and abandoned
 Contractor: Gear Drilling Company
 Geologist: C. W. Hughes
 804 Midland Savings Building
 Denver, Colorado 80202

FORMATION TOPS
(electric log)

| <u>Formation</u> | <u>Depth</u> | <u>Datum</u> |
|------------------|--------------|--------------|
| Niobrara | 4096 | + 58 |
| Carlile | 4411 | - 257 |
| Greenhorn | 4600 | - 446 |
| Bentonite | 4740 | - 586 |
| "D" Sand | 4830 | - 676 |
| "J" Sand | 4930 | - 776 |
| Total depth | 5047 | |

SAMPLE DESCRIPTION"D" Sand

- 4830-4840 Sand, medium grained, tite, dirty, shaly, low p&p, no shows, looks wet.
- 4840-4846 Sand, medium grained, very good fluorecence, good stain and cut, very good p&p.
- 4846-4862 Sand and shale, very shaly, tite, no shows.

"J" Sand

- 4930-4944 Sand, white, fine to medium grained, some brown mineral stain, no fluorecence or cut, poor p&p.
- 4944-4975 Sand, medium grained to coarse grained, very good p&p. Sand ground up in samples. Individual sand grains had good even stain and fluorecence. Sand generally had good oil cut. Trip for new bit at 4975' interrupted samples at this depth.
- 4985-5047 Sand, white, medium grained, good porosity and permeability, water wet, no shows.

DRILL STEM TESTS

- DST #1 4838-4860, open 10 minutes, shut in 30 minutes, open 120 minutes, shut in 30 minutes. Gas to surface in 25 minutes, gauged 34 MCF in 40 minutes, decreased to 11 MCF in 120 minutes, recovered 564' gas cut mud, 1092' water, Bottom packer leaked throughout test. No pressures recorded.
- DST #2 ("J" Sand), 4947-4960', open 2 hours, shut in 30 mins. Gas to surface in 45 minutes (maximum gauge 7 MCF), recovered 240' gas cut water, 1950' water. FP 376#, FFP 1002#, SIP 1011#, HP 2602-2572#.
- DST #3, 4840-4850 ("D" Sand), mis-run, could not get to bottom.

DST #4 4840-4850 ("D" Sand), open 90 minutes, shut in 30 minutes, tool opened with weak blow, increased to a 1" underwater blow, died in 40 minutes. Recovered 5' drilling mud. FP 67#, FFP 21#, SIP 27#, HP 2590-2482#.

BIT RECORD

| <u>Run</u> | <u>Size</u> | <u>Out at</u> |
|------------|-------------|---------------|
| 1 | 7-7/8" | 3505 |
| 2 | 7-7/8" | 4654 |
| 3 | 7-7/8" | 4975 |
| 4 | 7-7/8" | 5047 |

COMMENTS

Structurally, the #3 Turner ran 10' high on the "J" Sand to the #1 Turner, and had shows in the "D" Sand as well as in the "J2" bench.

Attempts to test in the "D" Sand resulted in a small amount of gas being recovered (30 MCF), but a conclusive test of this zone could not be made.

The "J2" Sand exhibited good oil staining but yielded water on the drill stem test.

A review of the geologic information will be made to evaluate the possibility of further drilling on this lease.