



00085222

SCANNED

Well: #33-18 McCollister

Location: NW/4 SE/4 Section 18, T. 2 N., R. 54 W.
Washington County, Colorado

Operator: Holly Resources Corporation

Contractor: Exeter Drilling Company

Elevations: 4533 Ground; 4541 K. B.

Casing: 2 jts., 80.90', of 8-5/8" set at 91' K. B. with 60 sacks regular cement, 50-50 Pozmix, plus 3% CaCl₂. Plug down 4:00 p.m., 1/25/69.

Cores: None

Drill Stem Tests: None

Well History: 1/25 Moved in, set surface.
1/26 Drilling @ 2,000'.
1/27 Drilling @ 4,100'.
1/28 Drilling @ 4,945'.
1/29 Plugged and abandoned.

Logs: Schlumberger: I-ES and Combined FDC - Microlog.

Log Formation Tops:

| | |
|-------------|---------------------|
| Niobrara | 4106 |
| Carlile | 4504 |
| Greenhorn | 4590 |
| Bentonite | 4822 |
| "D" Sand | 4910 (-367) |
| "J" Sand | 4980 (-439) |
| Total Depth | 5048 (Driller 5050) |

Mud: On the morning of January 28, 1969, the mud had the following properties:

| | |
|-------------|----------------|
| Weight | 10.0#/gal. |
| Viscosity | 38 API funnel |
| Water loss | 4.3 cc/30 min. |
| Filter cake | 2/32" |

NW SE
18-25-54W



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Bit Record:

| <u>No.</u> | <u>Size</u> | <u>Make</u> | <u>Type</u> | <u>Depth Out</u> | <u>Feet</u> | <u>Hours</u> |
|------------|-------------|-------------|-------------|------------------|-------------|--------------|
| 1 | 7-7/8 | Sec. | S-3 | 2913 | 2823 | 17-3/4 |
| 2 | 7-7/8 | Reed | YT3A | 4443 | 1530 | 18-3/4 |
| 3 | 7-7/8 | Smith | DT | 5014 | 571 | 16 |
| 4 | 7-7/8 | HTC | OWV- | 5050 | 36 | 2 |

Deviation Surveys:

| <u>Depth</u> | <u>Degrees from Vertical</u> |
|--------------|------------------------------|
| 514 | 1/4° |
| 1507 | 3/4° |
| 2492 | 1° |
| 2913 | 1° |
| 3900 | 3/4° |
| 4443 | 3/4° |

Sample Description:

Lagged to log.

- 4900 - 4910^D Shale, black.
- 4910 - 4920 Sandstone, fine-grained to very fine-grained, grayish-white, clay-filled, friable, low porosity, wet, no show, no fluorescence.
- 4920 - 4939 Shale, black; some sandstone, very fine-grained, gray, siliceous, hard, tight, no show, no fluorescence.
- 4939 - 4943 Sandstone, fine-grained to very fine-grained, white, clear subrounded quartz grains, clay-filled to good porosity, friable, mushy, light pale yellow fluorescence with good CCl₄ cut in in top 3' of zone, remainder wet, no show, no fluorescence.
- 4943 - 4980 Shale, tan to black; siltstone, gray.
- 4980 - 4984^J Sandstone, fine-grained, grayish-white, slight clay matrix, good porosity, few shale specks, wet, no show, no fluorescence.
- 4984 - 4990 Shale, black.

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NW-SE

18-2N-54W

- 4990 - 5000 Sandstone, gray, fine-grained to very fine-grained, clay-filled, soft, low porosity, shale laminae, light pale yellow fluorescence in 50% of sand, no visible stain, good cut, remainder wet, no show, no fluorescence.
- 5000 - 5008 Shale and reworked sandstone and shale, hard, tight, no show.
- 5008 - 5030 Sandstone, fine-grained to very fine-grained, gray, shale specks, occasional glauconite, indurated, clay-filled to fair porosity, slight shows in top 2 or 3' of interval, no visible stain, light yellow fluorescence, good cut, remainder of zone wet.
- 5030 - 5050 Sandstone, white, fine-grained to medium-grained, slight clay matrix, very good porosity, friable, clear subrounded quartz grains, wet, no show, no fluorescence.

Discussion:

This well was drilled to evaluate the basal "D" sand which was present in the Petroleum, Inc. #1 Findeiss, SW/4 NW/4 Section 18-2N-54W. This well did not have the basal "D" channel which was present in the Petroleum, Inc. hole, and ran structurally lower than had been anticipated. Slight sample shows were noted in the basal "D" and second and third benches of the "J" sand. Neither the strength of the sample shows nor log characteristics warranted a drill stem test, and the well was plugged and abandoned in accordance with verbal instructions from the Colorado Oil & Gas Conservation Commission on January 29, 1969.

January 30, 1969

Jack D Gray
Jack D. Gray
Geologist