



UNITED CORE INC.

PETROLEUM RESERVOIR ENGINEERING • 3815 BUFFALO SPEEDWAY • HOUSTON 5, TEXAS

23 September 1955

RE: Core Analysis Report
Flader "B" No. 1
Busy Bee Field
Adams County
Colorado

Sohio Petroleum Company
P. O. Box 359
Casper, Wyoming

Attn: Mr. B. A. Taylor

Gentlemen:

The Diamond cores recovered from your well, Flader "B" No. 1, have been analyzed for permeability, porosity and residual fluid and gas content. The data will be found tabulated on the attached pages, together with interpretations as to probable production, and discussed in the indented paragraphs below.

6416 - 6436 Feet - Non-Productive

6437 $\frac{1}{2}$ - 6440 Feet - Oil Productive

The presence of good residual oil saturations, low water content and fair gas by volume values indicate oil production from this zone.

6500 - 6502 Feet - Gas Productive

Fair gas by volume values and low residual oil saturation, in the presence of good permeability, suggests gas production from this zone. The samples in this section were noted from visual inspection to have a good gas odor and faint pinpoint fluorescence.

6502 - 6524 Feet - Non-Productive

Lack of sufficient permeability will prohibit production of any kind from this zone.

-2-

Sohio Petroleum Co.
Flader "B" No. 1

The cores recovered and analyzed were sufficient in bulk and condition to give creditable core analysis results.

Yours very truly,

UNITED CORE, INC.

W. A. Boatman, Jr.
W. A. BOATMAN, JR.

WAB:jc

Attachments

CC-9-Sohio Petroleum Co.

Casper, Wyoming, Mr. B. A. Taylor

1-Sohio Petroleum Co.

Casper, Wyoming, Mr. W. R. Young

1-Union Pacific Railroad

Denver, Colo., Mr. Cal Nordstrom

2-Union Pacific Railroad

Rock Springs, Wyo., Mr. F. H. Kratka, Jr.

2-Ginther Warren & Ginther

Houston, Texas, Mr. Howard Warren

1-Mr. Frank Walsh

Sterling, Colo

2-Cortez Drilling Co.

Denver, Colo.

1-Petroleum Information

Denver, Colo.

1-United Core, Inc.

Sterling, Colo.

19 September 1955

Core Record
Sohio Petroleum Co.
Flader "B" No. 1

Core No. 1 6410 - 6449 Feet

- 1'-Reworked shale-slightly sandy
- 3'-Shale-black pokerchip w/thin sand streaks
- 23½'-Sandstone-very fine grain shaly w/abundant thin shale laminations
- 2½'-Sandstone-fine grain clean slightly clay filled, vertically fractured, light stain throughout, fair odor, fair to good permeability and porosity, bleeding oil from vertical fractures
- 6'-Interlaminated sand and shale-sandstone, fine grain light gray slightly reworked
- 3'-No recovery

Core No. 2

- 3½'-Reworked sand and shale-w/low permeability
- 1'-Sandstone-very glauconitic hard and tight
- 1½'-Reworked shale, slightly sandy shaly at bottom
- 4'-Silty shale, slightly bentonitic
- 4'-Siltstone-dark gray hard slightly sandy-shaly at bottom
- 10'-Shale-grading to reworked w/sand at bottom
- 2'-Shale-reworked, slightly sandy
- 3'-Sandstone-fine grain poor to fair permeability, light gray, very carbonaceous, slightly coaly w/gas odor and no stain or fluores. Quartzitic at bottom, hard and tight
- 3'-Shale-black fissil
- 11'-Sandstone-very fine grain silty ashy white fairly tight, grading to light gray siltstone at bottom
- 7'-Reworked sand and shale, tight