

GEOLOGICAL REPORT

SE RO BEE & SHAFFER

#1 HUNTER

SE NE SECTION 32-30-7W..

KINGMAN COUNTY, KANSAS..

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GEOLOGICAL REPORT

Contractor: Graves Drlg. Co.
Commenced: Sept. 14, 1973
Completed: Sept. 20, 1973

Se Ro Bee & Shaffer #1 Hunter
100' N. SE NE Sec. 32-30-7w.
Kingman County, Kansas

Gentlemen:

Following is the geological report on the above captioned well. Samples were examined from 3500' to total depth. Measurements were taken from the Kelly Bushing.

Elevation: 1631' K.B. 1626' G.L.
Surface Pipe: 8 5/8" @ 223 ft. with 235 sacks.
Production Pipe: 5 1/2" @ 4356 ft. with 100 sacks.
Drillstem Tests: One by Western Testers.
Electric Logs: None

Formation Summary

Heebner	3322 (-1691)
Lansing	3561 (-1930)
Kansas City	3824 (-2193)
Base K.C.	4083 (-2452)
Mississippian	4354 (-2723)
Total Depth	4366 (-2735)

Sample Descriptions

Lansing - Kansas City

3561 - 4083 Numerous zones of porosity were encountered in this interval, no shows were found.

Mississippian

4365 - 4360 Chert; white-tan, fresh to mostly weathered and tripolitic, good pinpoint and vugular porosity, much stain to scattered saturation, small amount of gray crystalline limestone, no odor.

4360 - 4366 Chert; as above, becoming very tripolitic, some very good vugular porosity, scattered light staining, trace of siliceous lime, very faint odor.

Drillstem Test 4356 to 4366 feet. Tool open 30 min., shut in 30 min., open 60 min., shut in 60 min.
Strong blow - gas to surface in 6 min.
Guaged 191,000 CFG/D in 10 min. and steadily increased to 440,000 CFG/D at end of test.

Recovered 70 feet of gas cut mud.

Flow Press: 18 - 33 psi

BHP 1563 psi.

38 - 59 psi.

1546 psi.

Rotary Total Depth 4366 feet.

Set 5½" production casing at 4356 feet, 10 feet of bottom.

Very truly yours,

Lee Poulsen