

25-15-38W

25

GEOLOGIC REPORT

BADGER DRILLERS, INC.

NO. 1 SCHRAEDER

C NW NW Sec. 25, T. 1 S., R. 36 W.
Cheyenne County, Kansas

RICHARD G. SMITH

PETROLEUM GEOLOGIST

RESIDENCE
2924 EUCLID

301 BEACON BLDG.
WICHITA 2, KANSAS

OFF. AM 5-9626
RES. WH 3-0703

June 17, 1959

Badger Drillers, Inc.
Box 287
Tulsa, Oklahoma

Re: Badger Drillers, Inc.
No. 1 Schraeder
C NW NW Sec. 25 - 1s - 38w
Cheyenne County, Kansas

Gentlemen:

The following is my interpretation of the geologic data derived from the samples, drilling time log, drill stem tests, and Schlumberger electrical log on the Schraeder No. 1.

<u>Formation</u>	<u>Sample Tops</u>	<u>Schlumberger Tops</u>
Anhydrite	3225 (/42)	3230 (/37)
Topeka	4048 (-781)	4046 (-779)
Lansing-Kansas City	4221 (-954)	4230 (-963)
Base Kansas City	4518 (-1249)	4518 (-1251)
Marmaton	4543 (-1276)	4530 (-1263)
Cherokee	4682 (-1415)	4684 (-1417)
Mississippian	4960 (-1693)	4962 (-1695)
Arbuckle	5079 (-1812)	5080 (-1813)
Rotary Total Depth	5130 (-1863)	5137 (-1870)

REGIONAL STRUCTURAL CORRELATION:

<u>Formation</u>	<u>Badger No. 1 Schraeder C NW NW 25-1s-38w D - A</u>	<u>Westheimer No. 1 Glasco C SE SE 10-1s-38w D - A</u>	<u>Phillips No. 1 Wilkens C SE NW 16-2s-37w Oil</u>
Anhydrite	/37	/35	
Lansing-Kansas City	-963	-960	-926
Mississippian	-1695	-1694	-1628
Arbuckle	-1813	-1833	-1818
Rotary Total Depth	-1870	-1885	-2012

SHOWS OF OIL AND/OR GAS:

Lansing-Kansas City Zones:

4281 - 4286 Gray fine to medium crystalline limestone with scattered vuggy porosity; trace free oil; spotted oil staining. Recommended drill stem testing this zone.

No. 1 drill stem test, 4222 - 4255, open 30 minutes, weak blow for 10 minutes; recovered 155 feet drilling mud; pressures 0 p.s.i. in 20 minutes.

4281 - 4286 and 4291 - 4295 White to gray medium crystalline limestone with good scattered vuggy porosity; show heavy free oil; good scattered oil staining and fluorescence. Recommended drill stem testing this zone.

No. 2 drill stem test, 4281 - 4300, open 1 hour, good blow; recovered 580 feet muddy salt water, slightly oil cut. Tool closed-in 20 minutes; (IBHP and IFF failed); FBHP 1250 p.s.i.; FFP 295 p.s.i.

4342 - 4340 and 4354 - 4358 Gray - white, oolitic, medium crystalline limestone; fair scattered vuggy porosity; show free oil; good oil stain and fluorescence. Recommended drill stem testing this zone.

No. 3 drill stem test, 4339 - 4360, open 30 minutes, very weak blow for 2 minutes; recovered 6 feet mud; tool closed-in 20 minutes. Pressures were 0 p.s.i.

4437 - 4449 Gray - white fine to medium crystalline limestone; fair intercrystalline to vuggy porosity; show free oil; fair spotted oil staining and fluorescence. Recommended drill stem testing this zone.

No. 4 drill stem test, 4436 - 4460, open 30 minutes, blew few bubbles; recovered 5 feet mud; tool closed-in 20 minutes; pressures 0 p.s.i.

Marmaton Zones:

4630 - 4636 Gray fine to medium crystalline, vuggy limestone; poor to fair porosity; slight show free oil; fair to good spotted to even oil staining and fluorescence. Recommended drill stem testing this zone.

No. 5 drill stem test, 4606 - 4640, open 30 minutes, very weak blow for 2 minutes; recovered 10 feet slightly oil cut mud. Tool closed-in 20 minutes; IBHP 975 p.s.i.; IFF, FFP, and FBHP 0 p.s.i.

Rodger Drillers, Inc.
No. 1 Schraeder.

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Cherokee, Mississippian, and Arbuckle Zones:

No shows of oil and/or gas indicated by the samples or Schlumberger.

In view of the absence of commercial showings of oil being indicated by the potentially productive formations, it was recommended and approval granted for the No. 1 Schraeder to be plugged as dry and abandoned.

All measurements were taken from the kelly bushing, and Schlumberger measurements of tops, zones, and rotary total depth are taken as correct.

Very truly yours,



RICHARD G. SMITH
Petroleum Geologist

RGS/cs