

12-19-14E

September 4, 1985

GEOLOGICAL WELL REPORT

✓ Birk Oil Co. #2 Born ✓
Approx. C N/2 NE NE Section
12-T.19S - R. 14E., Coffey
County, Kansas
Contractor: Willis A. Parrish
Spud: August 27, 1985
Completed as a dry hole: August 30, 1985
Total Depth: 1513'

MR. ED BIRK
Birk Oil Co-
Route 1, Box 57
Burlington, KS 66839

Dear Sir:

Enclosed herewith is a copy of the plotted drilling time log over the Bartlesville section in the captioned well. Below is a description of the diamond cores cut.

I arrived at the location at a depth of 1350' and witnessed the drilling from that point to TD1513. Samples and cores were examined to evaluate the Bartlesville sand.

SAMPLE TOPS

ELEVATION	1114 (Est.)
BARTLESVILLE SAND	1486 (- 372)

DIAMOND CORE #1

	1468-88	Full recovery
1468-72	Shale, light gray-green, hard, compact	
1472-74	As above, more calcareous	
1474-82	Gray-green compact Shale, laminated silty streaks	
1482-86	Hard, compact, light gray-green Shale	
1486-88	Light greenish, fine, tightly cemented, calcareous sandstone, dirty streaks, no porosity. No show.	

1985
G. WRIGHT
DONATION

Section 1488-93 was drilled with bit, 1488-90 Greenish, dirty fine sandstone, 1490-93 Sandstone, fine, greenish, dirty, to fairly clean, poor porosity - scattered oil staining with fair odor and fluorescence, no free oil observed.

CORE #2 - 1493 - 1513 - FULL RECOVERY

1493-1513 - Core #2

- 1493-95 Fine calcareous sandstone, light greenish, tightly cemented.
- 1495-96 Sandstone as above developing fine porosity. No show.
- 1496-97 Tightly cemented, fine sandstone, greenish, with laminations of gray shale
- 1497-98 Fine, calcareous sandstone, little fine porosity, no show.
- 1498-99 Sandstone as above, coarser grains, better porosity, no show.
- 1499-1501 Sandstone, medium grained, less compact, more friable, good porosity, no show.
- 1501-1503 Gray-green compact shale
- 1503-1504 Streaks of sandstone as above with greenish shale
- 1504-13 TD Sandstone, white and light gray, medium to coarse grains, more loosely cemented, friable. Good porosity. No show.

Conclusions and Recommendations

The subject hole correlated well with other tests in the immediate area and carried a minor "show of oil" in the sand similar to your #1 Born, but judged non-commercial.

The rocks as interpreted from samples and cores gave no evidence of commercial production, it was recommended that the well be abandoned as a dry hole.

Yours very truly,

T. G. Wright