

GEOLOGICAL REPORT

Banks, Cimarron Exploration, Inc. and D & M Drilling Company
1 Bender

NW NW SE Sec. 20-32S-30W
Meade County, Kansas
Old Well Drilled Deeper

Miscellaneous Information

Rotary Commencement Date:	May 10, 1963	Contractor:	D & M Drilling Co.
Rotary Completion Date:	May 15, 1963	Drill Stem Tests:	3 run by Bomin Testing Co.
Elevation:	2777 K.B. 2774 D.F. 2767 G.L.	Electric log:	Schlumberger Well Surveying Corp.-Gamma Ray - Sonic Log.
Total Depth:	Old T.D. 6003 New T.D. 6100	Casing Run:	None
		Production:	Dry

Description of the lower St. Louis rocks penetrated in the # 1 Bender are given on the accompanying geological log. One foot drilling time and drill stem tests is also shown.

The oolite bed which was the primary objective in the # 1 Bender was not well developed and did not have porosity and permeability. The drill cuttings from 6008 to 6015 in the # 1 Bender appear similar to the oolite zone found at 6016 to 6046 in the Thomas and Brewer # 1 Collingwood NW SE Sec. 21-32S-20W except that porosity was not developed in the zone in the # 1 Bender. Using this correlation, the # 1 Bender is 22 feet structurally higher than the # 1 Collingwood.

The slight scattered shows of free oil in the cuttings from the # 1 Bender are believed to indicate that if a zone of effective porosity would have been developed, it would have been productive.

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Given below are the results of the three Drill Stem Tests run on the # 1 Bender:

DST # 1 6004-40 open 18 min., Shut in 30 min., open 25 min., Shut in 30 min., Weak blow 18 min., during pre-flow period. Recovered 10 feet drilling mud with no shows.
IBHP 1642/30 min. FP 44-44 FBHP 1452/30 min.

DST # 2 6035-70 open 15 min., Shut in 30 min., Open 20 min., Shut in 30 min., Very weak blow 15 min. during pre-flow period. Recovered 15 feet drilling mud with no shows.
IBHP 1320/30 min. FP 13-13 FBHP 788/30 min.

DST # 3 6066-6100 open 15 min., Shut in 30 min., open 30 min., Shut in 30 min. Very weak blow 15 min. during pre-flow period. Recovered 10 feet drilling mud with no shows.
IBHP 1917/30 min. FP 22-44 FBHP 1727/30 min.

The # 1 Bender was plugged and abandoned in accordance with state plugging regulations May 15, 1963.

William R. Atkinson
Geologist