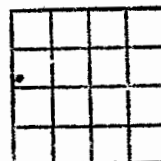


WELL LOG BUREAU--KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company- **IMPERIAL DRILLING CO., INC.**
 Farm- **Brown** No. **1**

SEC. **21** T. **10** R. **23W**
 SW SW NW

County **Graham**
KANSAS



Total Depth. **4124'**
 Comm. **2-27-54** Comp. **3-13-54**
 Shot or Treated.
 Contractor. **Imperial**
 Issued. **5-1-54**

CASING:

8 5/8" 208' cem w/178 sx
5 1/2" 4124' cem w/175 sx

Elevation. **2386' RB**

Production. **2805 BOPD, NW**

Figures indicate Bottom of Formations.

shells, clay & sand	208
shale & shells	925
sandy shale & iron	1350 ✓
sand, shale & shells	1425
Dakota Sand	1655
shale, shells & red bed	1795
shale & shells	1910
anhydrite (hard)	1951
shale & shells	2370
shale, iron & shells	2500 ✓
shale & shells	2610
shale & lime	3615
lime	4005
lime & chert	4026
lime	4124
Total Depth	

Sample Tops:

Anhydrite	1910
Heebner Shale	3611
Toronto	3629
Lensing-Kansas City	3645
Base Kansas City	3871
Marmaton Chert	3986
Marmaton Sand	Undeveloped
Conglomerate	4087
Mississippi ?	4121

DRILL STEM TESTS:

- #1 3641-53 Open 1 hr, fair blow. Recovered 5' muddy oil and 360' salt wtr. BHP 1165# in 15 min.
- #2 3672-81 open 45 min., weak blow 2 min. Recovered 8' mud, specks oil and gassy odor. BHP "0" in 15 min.
- #3 3681-87 open 45 min., good blow. Recovered 1430' gassy salt water, BHP 1260# in 15 min. FFP 670#.
- #4 3730-35 open 45 min., good blow. Recovered 330' salt wtr. BHP recorder fouled.
- #5 3802-13 open 1 hr., strong blow. Recovered 100' free gassy oil, 30' heavily oil cut mud, 2000' of gas above the oil. BHP 1380# in 15 min. FFP 140#.
- #6 3819-30, open 1 hr., weak blow 2 min. Recovered 3' oily mud, BHP 140# in 20 min.
- #7 3834-52, open 1 hr, recovered 5' oily mud. BHP "0" in 20 min.