

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

15-005-00442

Company- IMPERIAL DRILLING CO., INC.  
Farm- Hoof "A" No. 1

SEC. 9 T. 10 R. 23W  
NE NE SW

Total Depth. 3955

Comm. 11-6-54

Comp. 11-18-54

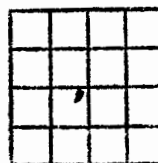
Shot or Treated.

Contractor. Imperial Drilling Co., Inc.

Issued. 1-15-55

County Graham

KANSAS



CASING:  
8 5/8 @ 217' w/ 150 sx cmt.  
5 1/2 @ 3955' w/ 200 sx cmt.

Elevation. 2433 RB

Production. 3000 BOPD

Figures indicate Bottom of Formations.

|                              |      |                                                                                                 |
|------------------------------|------|-------------------------------------------------------------------------------------------------|
| sand & shell                 | 217  | IFP 130#, FFP 795#, BHP 1260#/20 min.                                                           |
| surface clay, shale & shells | 895  |                                                                                                 |
| shell, shells & sand         | 1410 |                                                                                                 |
| shale & shells               | 1475 | DST #10: 3901-11, open 1 hr. gas in 30 min. rec. 125' VHOCM, IFP 0#, FFP 50#, BHP 1200#/20 min. |
| Dakota sand                  | 1700 |                                                                                                 |
| shale & shells               | 1995 |                                                                                                 |
| anhydrite                    | 2040 |                                                                                                 |
| shale & shells               | 2350 |                                                                                                 |
| shell & shells               | 2515 |                                                                                                 |
| shale & shells               | 2680 |                                                                                                 |
| shale & lime                 | 3593 |                                                                                                 |
| lime                         | 3955 |                                                                                                 |
| Total Depth                  |      |                                                                                                 |

TOPS:

|            |      |
|------------|------|
| Anhydrite  | 1972 |
| Heebner    | 3669 |
| Toronto    | 3690 |
| Lansing-KC | 3702 |
| Base KC    | 3933 |

DST #1: 3690-98, open 1 hr. rec. 800' gas. 175' oil, IFP 0#, FFP 65#, BHP 1215#/20 min.

DST #2: 3704-11, open 45 min. gas to surf. 50 min. rec. 1700' free oil, IFP 65#, FFP 480#, BHP 1260#/20 min.

DST #3: 3730-45, open 1 hr. rec. 3000' gas, 475' HMCO, IFP 15# FFP 160#, BHP 1260#/20 min.

DST #4: 3751-60, open 1 hr. gas to surf. 1 hr. 20 min. rec. 1100' free oil, IFP 30#, FFP 255#, BHP 1260#/20 min.

DST #5: 3786-95, open 1 hr. gas to surf. 1 hr. rec. 400' gassy muddy oil, IFP 15#, FFP 145#, BHP 1290#/20 min.

DST #6: 3800-07, open 1 hr. gas to surf. 1 hr. rec. 280' free oil, IFP 15#, FFP 95#, BHP 1355#/20 min.

DST #7: 3841-52, open 1 hr. rec. 60' gas, 450' SO&GCSW, IFP 30#, FFP 225#, BHP 1200#/20 min.

DST #8: 3860-71, open 45 min. gas in 10 min. flowed @ rate 43 BOPH/30 min. IFP 320#, FFP 1135#, BHP 1355#/30 min.

DST #9: 3880-92, open 1 hr. gas to surf. 25 min. rec. 2860' free oil,