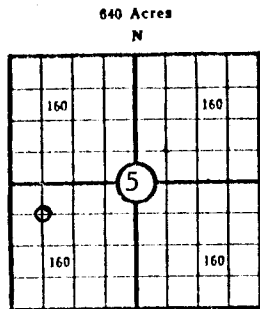


KANSAS CORPORATION COMMISSION

WELL RECORD

5-33-29W

AP # 15-119-29102
 L
 Mail to Kansas Geological Survey, 4150 Monroe Street, Wichita, Kansas 67209



Lease Name: Bolan Well No. 1-5
 Well Located: Meade County, Kansas
C NW/4 SW/4; SEC 5 TWP 33S RGE 29W
 Operator: Graham-Michaelis Corporation
 Address: 211 North Broadway, Wichita, Kansas 67202
 Elevation: Ground 2698' D.F. -- K.B. 2711
 Type Well: (Oil, gas, dry hole) Dry Hole

Drilling Commenced: June 20, 1972 Drilling Completed: July 1, 1972
 Well Completed: 1972 Total Depth 5900' RTD
 Initial Production: None

Casing Record

Size: 8 5/8" Set at 1585' Size: Set at
 Size: Set at Size: Set at

Liner Record

Size: None Set from To

Cementing

Casing Size	Sacks	Type Cement and Additives
<u>8 5/8"</u>	<u>750 sacks</u>	<u>550 sx 1t wt + 2% cc follow w/200 sx common + 3% cc</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Perforations

Formation	Perforated Interval and Number Shots
<u> </u>	<u>None</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

Electric Log Run (Show type log and depths covered)

Welex Compensated Acoustic Velocity and Gamma-Guard Log - 3000' to 5896'

Show Drill Stem Tests,
Well Stimulation and
Production Tests

Formation	Top	Bottom	
and	0	500'	
Red Bed	500	930'	
Sand & Red Bed	930	1555'	
Red Bed, Sd & Anhy.	1555	1586'	
Anhydrite	1586	2086'	
Shale	2086	2575'	
Shale & Anhydrite	2575	2725'	
Lime & Shale	2725	3385'	
Lime	3385	4640'	
Lime & Shale	4640	4860'	
Lime	4860	5850'	
Lime & Shale	5850	5900'	R.T.D.

Drill Stem Test #1
5705-5779'

Open: 30 min., weak blow & died
 Recovery: 90' drilling mud
 ISIP: 1714# in 45 minutes
 FP: (73-87)
 FSIP: 1346# in 45 minutes

LOG TOPS

HEEB	4449
TOR	4479
LANS	4588
BKC	5203
MARM	5236
CHER	5406
MRW SH	5704
LTD & RTE	5900

