

# Saman Sharifaie

## Petroleum Geologist

### GEOLOGIST'S REPORT

#### DRILLING TIME AND SAMPLE LOG

COMPANY: **Murfin Drilling Co., Inc.**

LEASE: **Geyer #4-35**

FIELD: **Geyer**

LOCATION: **1980 FNL & 2296 FWL**

SEC: **35 TWPSP 10S RQE 24W**

COUNTY: **Graham STATE Kansas**

CONTRACTOR: **Murfin Drilling #21**

SPUD: **04/03/13 COMP 04/10/13**

RTD: **4030' LTD 4029'**

MUD UP: **3000' TYPE MUD Chemical**

SAMPLES SAVED FROM: **3395' TO RTD**

DRILLING TIME KEPT FROM: **3395' TO RTD**

SAMPLES EXAMINED FROM: **3400' TO RTD**

GEOLOGICAL SUPERVISION FROM: **3095'**

REFERENCE WELL: **Geyer #1-35**

FORMATIONS

Formation	Sample Tops	E-log Tops	Struct
Anhydritic	2020 (+380)	2021 (+379)	+2
Base Anhydritic	2057 (+343)	2059 (+341)	+2
Topeka	3490 (-1090)	3490 (-1090)	+3
Deer Creek	3492 (-1092)	3546 (-1146)	+3
Oread	3657 (-1257)	3656 (-1256)	+3
Heebner	3708 (-1308)	3707 (-1307)	+4
Toronto	3729 (-1329)	3729 (-1329)	+4
Lansing	3744 (-1344)	3743 (-1343)	+4
BKC	3980 (-1580)	3978 (-1578)	+4

ELEVATIONS  
KB: 2400'

DF

GL 2389'

Measurements Are All From Kelly Bushings

CASING

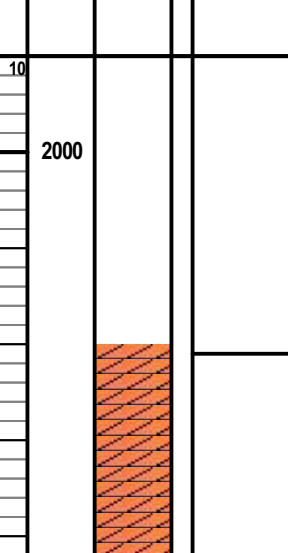
CONDUCTION SURFACE: 8.5/8" at 221'

PRODUCTION: 5.1/2" at 4029'

ELECTRICAL

CND: DIL, MEL, Sonic

Power: *Mirafire*



REMARKS Due to fair to good shows of oil in multiple pay zones and positive DST results, it is recommended and agreed upon by all parties that production casing be set to further evaluate this well.

Respectfully Submitted,

Saman Sharifaie  
Petroleum Geologist

API #15-065-23916

\*Tops have been adjusted to electric logs

