

# Saman Sharifaie

## Petroleum Geologist

### GEOLOGIST'S REPORT

#### DRILLING TIME AND SAMPLE LOG

COMPANY: **Martin Drilling Co., Inc.**  
LEASE: **Widokat**  
FIELD: **330' ESL & 330' FEL**  
LOCATION: **2 TWSP 2S RGE 37W**  
COUNTY: **Cherokee STATE Kansas**  
CONTRACTOR: **Martin Drilling #3**  
SPUD: **01/26/18 COMP 02/05/18**  
RTD: **4950' TYPE MUD Chemical**  
MUD UP: **3600'**

ELEVATIONS  
KB 3400'  
DF \_\_\_\_\_  
GL 3395'  
Measurements Are All From Kelly Bushing

CASING  
CONDUCTOR 8-5/8" at 344'  
SURFACE 5-1/2" at 4941'

SAMPLES SAVED FROM 4000' TO RTD  
DRILLING TIME KEPT FROM 4000' TO RTD  
SAMPLES EXAMINED FROM 4000' TO RTD

GEOREGICAL SUPERVISION FROM 3700'  
GEOREGICAL SUPERVISOR: **CND, DILL, MEL, SAIRC**  
REFERENCE WELL: **MDCI - Hatch "A" #1-1**

Formation	Sample Tops	E-log Tops	Strat Pos.
Anhydrite	3387 (+113)	3386 (+112)	+16
Base Anhydrite	3324 (+76)	3323 (+77)	+12
Tussock	4107 (-702)	4092 (-692)	+16
Oxidized	4322 (-842)	4322 (-842)	+10
Oil shale	4326 (-826)	4326 (-826)	+5
Start	4346 (-146)	4345 (-145)	+6
Normal City	4398 (-198)	4398 (-198)	+5
Ft Scott	4728 (-1328)	4728 (-1328)	+5
Oriskany	4802 (-1402)	4806 (-1406)	FBI

REMARKS Due to fair shows of oil and positive DST results of the Lansing G, H and J zones, 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

\*Tops have been adjusted to electric logs

