

# Saman Sharifaie

## Petroleum Geologist

### GEOLOGIST'S REPORT

#### DRILLING TIME AND SAMPLE LOG

COMPANY: **Martin Drilling Co., Inc.**  
LEASE: **DKN #1-4**

FIELD: **Wicklat**  
LOCATION: **3307 ESL & 500 FEL**  
COUNTY: **Twisp IS RGE 38W**  
SECTION: **Cheyenne STATE Kansas**  
CONTRACTOR: **Martin Drilling #3**  
SPUD: **10/21/15 COMP 10/22/15**  
RTD: **4822' LTD 4821'**  
MUD UP: **3100' TYPE MUD Chemical**

SAMPLES SAVED FROM: **3360' TO RTD**  
DRILLING TIME KEPT FROM: **3360' TO RTD**  
SAMPLES EXAMINED FROM: **3360' TO RTD**  
GEOLOGICAL SUPERVISION FROM: **3060'**

REFERENCE WELL: **Christensen OW#0 #3-32**

FORMATION: **Flower Hill**

Formation	Sample Tops	E-log Tops	Feet
Amshadite	3020 (-18)	3017 (+21)	3
Bliss Amshadite	3049 (-11)	3050 (-12)	1
Neva	3477 (-400)	3450 (-412)	27
TOUSKA	3790 (-752)	3788 (-750)	2
Oredal	3926 (-888)	3926 (-888)	0
Starb	4000 (-962)	3997 (-959)	3
Starb	4224 (-1186)	4237 (-1185)	13
Pravnes	4404 (-1366)	4403 (-1365)	1
Cherokee	4490 (-1452)	4488 (-1450)	2

DEVELOPMENTS: **KB 3038**

CONDUCTOR: **CASING**  
SURFACE: **8-5/8" at 221'**

PRODUCTION: **ELECTRICAL**  
CND: **D.L. MEL, S.MIC**

REMARKS: **Due to poor shows of oil in multiple pay zones and negative DST results, it is recommended and agreed upon by all parties that this well be plugged and abandoned.**

Respectfully Submitted,  
Saman Sharifaie  
Petroleum Geologist

API #15-023-21426

\*Tops have been adjusted to electric logs

