

Saman Sharifaie

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY: **Martin Drilling Co., Inc.**
LEASE: **Frisbie "A" #4-6**

FIELD: **Wildcat**
LOCATION: **2140 FSL & 2150 FVTL**
SEC: **6** TWP: **2S** RGE: **36W**
COUNTY: **Rushville** STATE: **Kansas**
CONTRACTOR: **Martin Drilling R/S**
SPUD: **06/17/15** COMP: **06/26/15**

RTD: **4860'** TYPE MUD: **4888'**
MUD UP: **3360'** LIME MUD: **Chemical**
SAMPLES SAVED FROM: **3970'** TO RTD
DRILLING TIME KEPT FROM: **3970'** TO RTD
SAMPLES EXAMINED FROM: **3970'** TO RTD

GEOLOGICAL SUPERVISION FROM: **3670'**
REFERENCE WELL: **MDCL- Frisbie "A" #2-6**

CONDUCTOR: **8-5/8" at 345'**
SURFACE: **5-1/2" at 4840'**
PRODUCTION: **5-1/2" at 4840'**
ELECTRICAL SUPPLIES: **MEI, S.M.E.L.**
CND: **D.L. MEI, S.M.E.L.**

Formation	Sample Tops	E-log Tops	Stand Feet
Anhydrite	3265 (-497)	3260 (+102)	4
Base Anhydrite	3295 (-467)	3293 (+69)	1
Trilobite	4074 (-712)	4072 (-710)	2
Oolite	4206 (-584)	4206 (-584)	2
Limestone	4290 (-498)	4287 (-495)	3
Siltst	4308 (-480)	4305 (-475)	3
BKC	4358 (-424)	4356 (-421)	3
Pawnee	4684 (-132)	4683 (-131)	1
Cherokee	4754 (-1402)	4756 (-1394)	8



REMARKS Due to fair shows of oil in multiple potential 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,

API #15-153-21151

Saman Sharifaie
Petroleum Geologist

*Tops have been adjusted to electric logs

