

Saman Sharifaie

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY: **Martin Drilling Co., Inc.**
LEASE: **Sutton #4-8**
FIELD: **Dirtwood**
LOCATION: **660' ESL & 540' FWL**
SEC: **8** TWP: **1S** RGE: **35W**
COUNTY: **Rainbow** STATE: **Kansas**
CONTRACTOR: **Martin Drilling #73**
SPUD: **12/19/18** COMP: **01/03/19**
RTD: **4500'** LTD: **4500'**
MUD UP: **3500'** TYPE MUD: **Chemical**

ELEVATIONS
KB: **3230'**
DF: _____
GL: **3225'**
Measurements Are All From Kelly Bushing

CASING
CONDUCTOR: **8-5/8" at 304'**
SURFACE: **8-5/8" at 304'**
PRODUCTION: **5-1/2" at 4494'**

SAMPLES SAVED FROM: **3340'** TO RTD
DRILLING TIME KEPT FROM: **3340'** TO RTD
SAMPLES EXAMINED FROM: **3840'** TO RTD
ELECTRICAL SURVEYS

GEOLOGICAL SUPERVISION FROM: **3500'**
CND: **D.L. MEL; S. SAIC**
REFERENCE WELL: **MDC1 - Ken #5-17**
Fluorite/Pyrite

Formation	Sample Tops	E-log Tops	Strat Pos.
Anhydrite	3125 (+105)	3130 (+100)	-4
Base Anhydrite	3164 (+66)	3166 (+64)	-8
Trilobite	3339 (-709)	3347 (-717)	-4
Orebed	4030 (-810)	4034 (-824)	-4
Siltstone	4162 (-953)	4164 (-954)	-3
Stark	4372 (-1163)	4374 (-1144)	-1
Mound City	4422 (-1192)	4426 (-1196)	-2



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

Respectfully Submitted,
API #15-153-21217
Saman Sharifaie
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*Tops have been adjusted to electric logs

