

Robert D. Hendrix

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Murfin Drilling Co. Inc.**

LEASE **Walter #1-1**

FIELD **KB 3195'**

LOCATION **3307nl & 23607el**

SEC **1** TWPSP **1S** RGE **36W**

COUNTY **Rawlins** STATE **Kansas**

CONTRACTOR **Murfin Drilling Co. Inc. rig #14**

SPUD **8/22/2013** COMP **8/31/2013**

RTD **4:52⁰⁰** LTD **4:51¹⁸**

MUD UP **3:33³⁷** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3500'** TO **4458'**

DRILLING TIME KEPT FROM **3500'** TO **4458'**

SAMPLES EXAMINED FROM **3500'** TO **4458'**

GEOLOGICAL SUPERVISION FROM **3549'**

GEOLOGIST ON WELL **Robert D. Hendrix**

Possible/Undetermined/Miscellaneous
Promer Energy Services

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	3127 (-488)	3131 (-495)
Neva	3604 (-409)	3609 (-414)
Foraker	3713 (-518)	3717 (-522)
Topeka	3920 (-725)	3923 (-728)
Oread	4033 (-838)	4037 (-842)
Lansing	4138 (-943)	4139 (-944)
Stark Shale	4332 (-1157)	4334 (-1159)
BKC	4404 (-1209)	4407 (-1212)



AP# 15-153-20941

REMARKS: It is recommended that casing be set to further evaluate the Lansing A and D zones after positive DST's. It is also recommended that further evaluation be done on the E, H, I, and J zones in the Lansing.

