

Robert D. Hendrix

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Murfin Drilling Co. Inc.**

LEASE **Virginia B #1-11**

FIELD **Widcat**

LOCATION **3301st & 3301st**

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

CONTRACTOR **Murfin Drilling Co. Inc. Rig #2**

SPUD **8/18/2014** COME **8/26/2014**

RTD **4/7/20** LTD **4/7/20**

MUD UP **3/21/9** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3500' TO TD**

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

SAMPLES EXAMINED FROM **3500' TO TD**

GEOLOGICAL SUPERVISION FROM **3471'**

GEOLOGIST ON WELL **Robert D. Hendrix**

FORMER TOPS **Electric Log**

ANHYDRITE **3118 (-74)**

NEVA **3597 (-405)**

TOPEKA **3921 (-729)**

OREAD **4039 (-847)**

LANSING **4140 (-948)**

STARK **4338 (-1163)**

BKC **4408 (-1215)**

LEAVIC **4529 (-1340)**

CHEROKEE SHALE **4609 (-1417)**

ELEVATIONS **KB 3192'**

GL **3181'**

DF

MEASUREMENTS ARE ALL FROM **Kelly Bushing**

CASING **CONDUCTOR 8.5" ID 294' PRODUCTION**

REMARKS:

LEGEND

Drilldrillite	Sandstone	Limestone	Shale	Carb Sh	Cherty LS	Chert	Dolomite
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