

Robert D. Hendrix

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Murfin Drilling Co. Inc.**

LEASE **Sacred Heart #1-36**

FIELD **Wildcat**

LOCATION **330' fs & 2310' fwl**

SEC **36** TWP **5s** RGE **33w**

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

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

SPUD **4/22/2013** COMP **5/2/2013**

RTD **4/27/13** LTD **4/27/13**

MUD UP **3311'** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3740'** TO **TD**

DRILLING TIME KEPT FROM **3740'** TO **TD**

SAMPLES EXAMINED FROM **3740'** TO **TD**

GEOLOGICAL SUPERVISION FROM **3675'**

GEOLOGIST ON WELL **Robert D. Hendrix**

INDUSTRIAL/POSSIBLY/MICRO/SOME

PRODUCTION **None**

ELECTRICAL SURVEYS

FORMATION TOPS

ELECTRIC LOG

SAMPLE

ANHYDRITE

TOPEKA

HEEBNER SHALE

TORONTO

LANSING

STARK SHALE

BKC

PAWNEE

CHEROKEE SHALE

MISSISSIPPI

ELEVATIONS

KB **3154'**

DF

GL **3143'**

Measurements Are All From **Kelly Bushing**

CASING

CONDUCTOR

SURFACE **8-3/8" at 308'**

PRODUCTION

None

ELECTRICAL SURVEYS

None

INDUSTRIAL/POSSIBLY/MICRO/SOME

PRODUCTION

None

ELECTRICAL SURVEYS

None

INDUSTRIAL/POSSIBLY/MICRO/SOME

PRODUCTION

None

ELECTRICAL SURVEYS

None

INDUSTRIAL/POSSIBLY/MICRO/SOME

PRODUCTION

None

APR# 15-153-20922

REMARKS:

LEGEND

	Anhydrite		Sandstone		Limestone		Shale		Carb Sh		Cherty LS		Chert		Dolomite
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