

Robert D. Hendrix

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Murfin Drilling Company Inc.**

LEASE **Werth Trust #1-26**

FIELD **Martha**

LOCATION **1700' FNL & 400' FEL**

SEC **26 TW9P 15 S RGE 19W**

COUNTY **Ellis STATE Kansas**

CONTRACTOR **Murfin Drilling Rig #2**

SPUD **1/24/2013 COMP 2/3/2013**

RTD **3/6/2013 LTD 3/6/2013**

MUD UP **2740' TYPE MUD Chemical**

SAMPLES SAVED FROM **2850' TO RTD**

DRILLING TIME KEPT FROM **2850' TO RTD**

SAMPLES EXAMINED FROM **2850' TO RTD**

GEOLOGICAL SUPERVISION FROM **2850' to RTD**

GEOLOGIST ON WELL **Robert D. Hendrix**

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	1141 (+825)	1135 (+831)
Topeka	2935 (+969)	2934 (+968)
Heebner Sh	3201 (-1233)	3200 (-1234)
Lansing	3245 (-1279)	3249 (-1283)
Stark Sh	3445 (-1479)	3449 (-1483)
BKC	3496 (-1530)	3502 (-1536)
Arbuckle	3561 (-1595)	3570 (-1604)

ELEVATIONS

KB 1966'

DF _____

GL 1955'

Measurements Are All From **Kelly Bushing**

CASING

CONDUCTOR _____

SURFACE 8.5'-8" at 1150'

PRODUCTION _____

ELECTRICAL SURVEYS

MIL/CN/CD/ MHC/SO/SOIC Pioneer

AP# 15-051-26471

REMARKS: Due to the positive results in the Arbuckle test it is recommended that production casing be run to further test this well.

LEGEND

	Anhydrite
	Sandstone
	Limestone
	Shale
	Carb Sh
	Cherty LS
	Chert
	Dolomite

