

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY **VAL ENERGY, INC.**
 LEASE **LHMAN V1-2 "OWWO"**
 FIELD **Whitetail**
 LOCATION **7999 FST, 767 FEL**
 SEC **12 T15S 88S R9E 37W**
 COUNTY **Thomas STATE Kansas**

CONTRACTOR **W.W. Drilling, Rig #10**
 SPUD **8/9/2019** COMP
 RTD **4950'** LTD **4948'**
 MUD UP **4216'** TYPE MUD **Chemical**

SAMPLES SAVED FROM **4220'** to RTD
 DRILLING TIME KEPT FROM **4216'** to RTD
 SAMPLES EXAMINED FROM **4216'** to RTD

GEOLOGICAL SUPERVISION FROM **4216'** to RTD
 GEOLOGIST ON WELL **Tim Priest**

FORMATION TOPS
 Amyville **2931 (-495)**
 Heebner Shale **4157 (-731)**
 Lansing **4186 (-760)**
 Marmaton **4402 (-972)**
 Stark **4513 (-1082)**
 Fort Scott **4644 (-1260)**
 Cherokee Shale **4677 (-1231)**
 Mississippiann **4880 (-1454)**

ELECTRIC LOG
 SAMPLE
 (0102970 (-438))
 (0104133 (-728))
 (0104199 (-771))
 (4409 (-983))
 (4513 (-1087))
 (4649 (-1223))
 (4684 (-1258))
 (4878 (-1452))

EL ELEVATIONS
KG 3426'
 DF _____
 GL **3421'**

Measurements Are All
 From **KB**

CASING
 CONDUCTION **N/A**
 SURFACE **04 8-5/8" @ 33'**
 PRODUCTION **5.1/2" @ 4907'**

ELECTRICAL
 CND/D/SP: Micro
 By: **Step Energy Services**

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REMARKS

Due to the positive results of DSTs, it was decided to set production casing to further test the well.

Respectfully Submitted,

API #15-193-20626 Tim Priest
 Petroleum Geologist

