

DAVID D MONTAGUE

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG
 COMPANY **KWILGTON OIL COMPANY, INC.**
 LEASE **GOODMAN, No. 1**
 FIELD **wildcat**
 LOCATION **398' F.W.L. & 771' F.W.L.**
 SEC. **14** T15P. **18** R06. **21 W**
 COUNTY **LANE** STATE **KANSAS**
 CONTRACTOR **W.W. DRILLING**
 SPUD **3/27/17** COMP. **4/6/17**
 R.D. **4650'** LTD. **4644'**
 MUD UP **3308'** TYPE MUD **Chemical**

ELEVATIONS
 KB **2664**
 DF **2656**
 Measurements are All From **KB**
 CASING 1 1/2" I.D. 15.5' LGS.
 SURFACE 2 1/2" I.D. 15.5' LGS.
 PRODUCTION 4 1/2" I.D. 15.5' LGS.
 ELECTRICAL SURVEYS
 OIL, CHEM./COIL B.M.E.L.

DRILLING TIME KEPT FROM **3650** TO **RTD**
 SAMPLES SAVED FROM **3650** TO **RTD**
 SAMPLES EXAMINED FROM **3650** TO **RTD**
 GEOLOGICAL SUPERVISION FROM **3900** TO **RTD**
 GEOLOGIST ON WELL **Dave Montague (A.P.I. 15-101-23584-00-001)**

| FORMATION TOPS | LOG | SAMPLES |
|----------------|--------------|--------------|
| ANHYDRITE | 2036 (+628) | 2036 (+628) |
| BASE | 2084 (+600) | 2084 (+600) |
| HEEDNER | 3936 (+1272) | 3936 (+1272) |
| LANPING | 3973 (+1309) | 3973 (+1309) |
| BXC | 4300 (+1636) | 4300 (+1636) |
| FT SCOTT | 4478 (+1814) | 4478 (+1814) |
| CHEROKEE | 4503 (+1839) | 4503 (+1839) |
| MISSISSIPPIAN | 4586 (+1922) | 4586 (+1922) |

| DATE | SPUD | NO | SIZE | WAVE | TYPE | DEPTH | FEET | INCHES |
|---------|------|----|---------------|------|------|-------|------|--------|
| 3/27/17 | 276' | 1 | 12 1/2" Smith | 276' | | 276' | 4.3 | |
| 3/28/17 | 276' | 2 | 7 7/8" Smith | 276' | | 276' | 4.3 | |
| 3/29/17 | 1872 | | | | | 1872 | | |
| 3/30/17 | 2669 | | | | | 2669 | | |
| 3/31/17 | 3212 | | | | | 3212 | | |
| 4/1/17 | 3805 | | | | | 3805 | | |
| 4/2/17 | 4192 | | | | | 4192 | | |
| 4/3/17 | 4332 | | | | | 4332 | | |
| 4/4/17 | 4570 | | | | | 4570 | | |
| 4/5/17 | 4650 | | | | | 4650 | | |
| 4/6/17 | 4650 | | | | | 4650 | | |

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