

**GEOLOGIST'S REPORT**  
**DRILLING TIME AND SAMPLE LOG**

COMPANY **CHIZUM OIL, LLC**  
 LEASE **LHR 1-26 POOL, ED**  
 FIELD **Whitetail**  
 LOCATION **1670' FTL, 120' FWE**  
 SEC **26 T15SP 7S R9E 37W**  
 COUNTY **Sherman STATE Kansas**

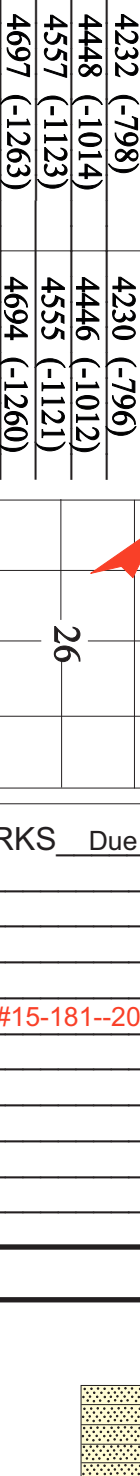
CONTRACTOR **W.W. Drilling, Rig #10**  
 SPUD **7-18-19** COMP **7-28-19**  
 RTD **5008'** LTD **5010'**  
 MUD UP **3600'** TYPE MUD **Chemical**  
 SAMPLES SAVED FROM **3950'** to **RTD**  
 DRILLING TIME KEPT FROM **3950'** to **RTD**

SAMPLES EXAMINED FROM **3950'** to **RTD**  
 GEOLOGICAL SUPERVISION FROM **41000'** to **RTD**  
 GEOLOGIST ON WELL **Tim Priest**

FROM **KB**  
 MEASUREMENTS ARE ALL  
 CASING **N/A**  
 CONDUCTOR **N/A**  
 SURFACE **8-5/8" @ 96'**  
 PRODUCTION **3-1/2" @ 991'**

ELECTRICAL SURVEYS  
 CND/D/SP/P.E.  
 MICRO

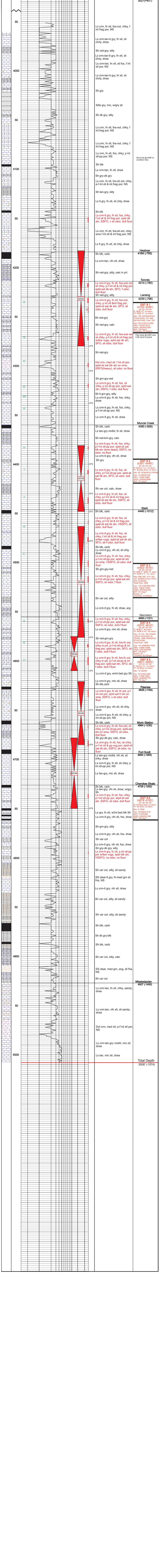
FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anyndrite	2994 (+440)	2995 (+439)
Heebner	4182 (-788)	4184 (-750)
Heebner	4232 (-798)	4230 (-796)
Stark	4448 (-1014)	4446 (-1012)
Marmaton	4557 (-1123)	4555 (-1121)
Fort Scott	4697 (-1263)	4694 (-1260)
Cherokee Shale	4730 (-1296)	4726 (-1296)
Mississippian	4928 (-1494)	4927 (-1494)



REMARKS Due to the results of DST #1 it was decided to set production casing to further test the well.

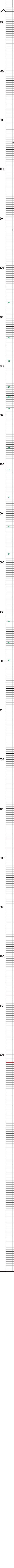
Respectfully Submitted,  
 Tim Priest  
 Petroleum Geologist

API #15-181-20625



**DEPTH**

**LITHOLOGY**



**LEGEND**

- Anhydrite
- Sandstone
- Limestone
- Shale
- Carb Sh
- Cherty LS
- Chert
- Dolomite

**SAMPLE DESCRIPTION**

**REMARKS**

**DST # 1 (4103'-4200')**  
 Rec: 190 SOCMW(3%O, 51%W,5%M), Total: 700'  
 Fps: 39-2116/212-338#  
 SIPs: 1227#/1221#  
 HSPs: 2052#/2105#  
 BHT: 134 deg F  
 Chilled: 21.000ppm

**DST # 2 (4381'-4448')**  
 Rec: 50' OCM(24%O,76%W)  
 Fps: 1128#/1099#  
 HSPs: 2340#/2258#  
 BHT: 131 deg F

**DST # 3 (4463'-4576')**  
 Rec: 103-410#(385-676#)  
 Fps: 1333#/1375#  
 SIPs: 1358#/1368#  
 HSPs: 2449#/2318#  
 BHT: 141 deg F  
 Chilled: 21.000ppm

**DST # 4 (4575'-4610')**  
 Rec: 10' CO, 190' GOMW (10%O, 10%O, 55%W, 25%W, 5%M)  
 Total Fluid: 1468'  
 Fps: 101-448#(463-703#)  
 SIPs: 1358#/1368#  
 HSPs: 2449#/2318#  
 BHT: 145 deg F  
 Chilled: 21.000ppm

**DST # 5 (4621'-4685')**  
 Rec: 10' SOCM  
 Fps: 1178#/1062#  
 HSPs: 2449#/2318#  
 BHT: 135 deg F

**DST # 6 (4678'-4750')**  
 Rec: 5' OSM  
 Fps: 16-20#(22-21#)  
 SIPs: 2449#/2318#  
 HSPs: 2449#/2318#  
 BHT: 135 deg F