

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

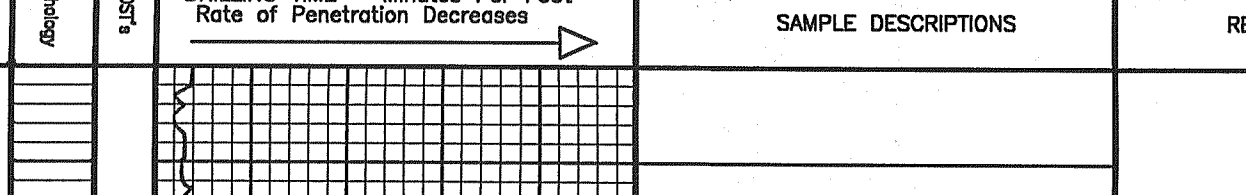
COMPANY <u>Range Oil Company, Inc.</u> LEASE <u>Logsdon #1</u> FIELD <u>Logsdon #1</u> LOCATION <u>L700 Esl, 1500' FCL SE 1/4</u> SEC <u>31</u> T12P <u>29 S</u> R0E <u>5 E</u> COUNTY <u>Butler</u> STATE <u>Ks</u> CONTRACTOR <u>C&G Drilling, Rig #1</u> SPUD <u>6-20-15</u> COMP <u>6-26-15</u> RTD <u>3286'</u> LTD <u>No Log Run</u> MUD UP <u>1800'</u> TYPE MUD <u>Clay</u>	ELEVATIONS KB <u>1273'</u> DF _____ GI <u>1267'</u> MEASUREMENTS ARE ALL FROM <u>KB</u> CASING SURFACE <u>5628' RTD</u> PRODUCTION <u>None</u> ELECTRICAL SURVEYS <u>None</u>
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SAMPLES SAVED FROM _____ TO _____ RTD DRILLING TIME KEPT FROM _____ TO _____ RTD SAMPLES EXAMINED FROM _____ TO _____ RTD GEOLOGICAL SUPERVISION FROM _____ TO _____ RTD GEOLOGIST ON WELL <u>Ka. Maliszew</u>	FORMATION TOPS LOG SAMPLES <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><u>Kansas City</u></td> <td style="width: 50%;"><u>2193 (-132) Drilling</u></td> </tr> <tr> <td><u>Atterden</u></td> <td><u>2577 (-124)</u></td> </tr> <tr> <td><u>Cherokee Sh</u></td> <td><u>2639 (-136)</u></td> </tr> <tr> <td><u>Cherokee Sand</u></td> <td><u>2738 (-145)</u></td> </tr> <tr> <td><u>Evros</u></td> <td><u>2816 (-153)</u></td> </tr> <tr> <td><u>Solid Miss</u></td> <td><u>2892 (-157)</u></td> </tr> <tr> <td><u>Kinderhook</u></td> <td><u>3170 (-189)</u></td> </tr> <tr> <td><u>Arbuckle</u></td> <td><u>3276 (-203)</u></td> </tr> </table>	<u>Kansas City</u>	<u>2193 (-132) Drilling</u>	<u>Atterden</u>	<u>2577 (-124)</u>	<u>Cherokee Sh</u>	<u>2639 (-136)</u>	<u>Cherokee Sand</u>	<u>2738 (-145)</u>	<u>Evros</u>	<u>2816 (-153)</u>	<u>Solid Miss</u>	<u>2892 (-157)</u>	<u>Kinderhook</u>	<u>3170 (-189)</u>	<u>Arbuckle</u>	<u>3276 (-203)</u>
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REMARKS
Negative DST results - Plugged & Abd

6-19-15 MIRT
 6-20-15 10 AM started drlg
 6-21-15 7:30 AM Drlg @ 968'; set 208' of 8 1/2" surf casing; 1/2" @ 210' & 8 3/8" @ 212'
 6-22-15 8 AM PTD 2500' - making bit trip; 1/2" @ 2420'
 6-23-15 8:30 AM PTD 2771' - preparing for DST #1 2716-2771'
 6-24-15 8 AM Drlg @ 2566'; 1/2" @ 2771' DST # Rec 5' mud
 6-25-15 7:40 AM Drlg @ 2722'; repairing mud pump
 6-26-15 7 AM, RTD 3286', To P&A

LEGEND



SCALE " = 100'

