

Jeff Christian
PETROLEUM GEOLOGIST
Wichita, Kans.

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|------------------------------|-------------------------|------|-----|-----|------|--------|---------|-------|--------|
| GEOLOGIST'S REPORT | | | | | | | | | |
| DRILLING TIME AND SAMPLE LOG | | | | | | | | | |
| OPERATOR | MURFIN DRILLING COMPANY | | | | | | | | |
| LEASE | LOHOEFFNER # 1-18 | | | | | | | | |
| LOCATION | 2300' FNL & 2300' FEL | | | | | | | | |
| SEC. | 18 | TWP. | 2 S | RNG | 29 W | COUNTY | DECATUR | STATE | KANSAS |
| FIELD | MAY | | | | | | | | |
| API | 15-039-21149 | | | | | | | | |
| CONTRACTOR | MURFIN | | | | | | | | |
| DRILLING STARTED | 05/26/2012 COMPLETED | | | | | | | | |
| MUD DISPLACED | 2944' | | | | | | | | |
| DRILLING TIME KEPT FROM | 3100' TO RTD | | | | | | | | |
| SAMPLES SAVED FROM | 3100' TO RTD | | | | | | | | |
| GEOLICAL SUPERVISION FROM | 3490' TO RTD | | | | | | | | |
| ELEVATIONS | KB 2786' | | | | | | | | |
| GL | 2781' | | | | | | | | |
| MEASUREMENTS FROM KB. | | | | | | | | | |
| CASING RECORD | | | | | | | | | |
| Conducto: NONE | | | | | | | | | |
| Surface 8 5/8" @ 263' | | | | | | | | | |
| W/ 200 SX | | | | | | | | | |
| Production 5 1/2" @ 4056' | | | | | | | | | |
| W/ 150 SX | | | | | | | | | |
| ELECTRICAL SURVEYS | | | | | | | | | |
| LOC TECH, INC. | | | | | | | | | |
| CNL/COL | | | | | | | | | |

| DATE | 7:00 AM DEPTH | REMARKS |
|---------|---------------|---|
| 5/26/12 | MIRT | SPUD 4:00 pm |
| 5/27/12 | 288' | DRLG. dev. 1 1/4 deg. |
| 5/28/12 | 2275' | DRLG. |
| 5/29/12 | 3285' | DRLG. |
| 5/30/12 | 3802' | CFS dev. 1/2 deg. |
| 5/31/12 | 3950' | DST for DST # 2 |
| 6/1/12 | 3995' | TOH for DST # 3 |
| 6/2/12 | 4070' | LOGGING RTD 4070' @ 1:00 am dev. 1/2 deg. |

Remarks
 5 1/2" production casing set to further test the Lansing / KC 'J' zone.
 Electric log measurements correlate about even compared to rotary measurements.
 Sample tops adjusted to the electric log.
 Samples deposited at the Kansas Geological Survey.
 Respectfully Submitted,
Jeff Christian
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