

Jeff Christian
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GEOLOGISTS' REPORT
DRILLING TIME AND SAMPLE LOG

OPERATOR: **WUBERN DRILLING CO., INC.**
LEASE: **WIGGINTON # 1-18**
LOCATION: **2100' FSI & 1320' FWL**

SEC. **18** TWP. **9 S** RING. **29 W**

COUNTY: **SHERIDAN** STATE: **KANSAS**

FIELD: **WLD CAT**

API: **15-179-21285**

CONTRACTOR: **WUBERN** RIG NO. **8**

DRILLING STARTED: **7/16/2011** COMPLETED: **7/26/2011**

MUD DISPLACED: **3293'** MUD TYPE: **CHEMICAL**

DRAWING TIME KEPT FROM: **3400'** TO: **RTD**

SAMPLES SAIVED FROM: **3400'** TO: **RTD**

SAMPLES EXAMINED FROM: **3400'** TO: **RTD**

GEOLOGICAL SUPERVISION FROM: **3370'** TO: **RTD**

FORMATION NAME: **TOP DATUM** SAMPLE DATE: **TOP DATUM**

ANHYDRITE	2424'	(384)	2425'	(383)
TOPEKA	3634'	(826)	3631'	(823)
HEEBNER	3852'	(1044)	3852'	(1044)
ANSTING	3888'	(1080)	3890'	(1082)
STARK	4086'	(1278)	4086'	(1278)
BKC	4199'	(1331)	4140'	(1323)
PAWNEE	4246'	(1438)	4246'	(1438)
FAIRBANK	4399'	(1591)	4399'	(1591)
MISSISSIPPIAN	4448'	(1640)	4447'	(1639)
TOTAL DEPTH	4534'	(1726)	4530'	(1722)

MESS/REMS FROM: **K**

CASING RECORD
Casing: **8.5" @ 218'**
W/ 155 SX
Production: **NONE**

ELECTRICAL SURVEYS:
LOG TECH, INC.
DII
CDI/UL

MEASUREMENTS FROM: **K**

MEASUREMENTS FROM: **K**

DATE	7:00 AM DEPTH	REMARKS
7/16/11	MIRT	SPUD 7:00 pm
7/17/11	218'	WOC dev. 1/4 deg.
7/18/11	1960'	DRLG.
7/19/11	2950'	DRLG.
7/20/11	3490'	DRLG.
7/21/11	3811'	Bit Trip
7/22/11	3861'	CTCH after unstuck
7/23/11	3930'	TIH after DST # 1 dev. 1/4 deg.
7/24/11	4035'	DRLG.
7/25/11	4150'	DRLG.
7/26/11	4470'	DRLG. RTD 4530' @ 11:10 am dev. 1 deg.

Remarks

Based on drilling samples, drill stem test results and electric log evaluation, the Wigginton # 1-18 was declared dry and abandoned.

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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LITH	0	DRILL TIME (MIN/FT)	10	DEPTH	SAMPLE DESCRIPTIONS	REMARKS
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