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GEOLOGIST'S REPORT
 DRILLING TIME AND SAMPLE LOG

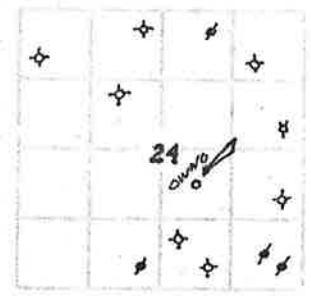
COMPANY L. D. DRILLING, INC.
 LEASE #1 PECHANEC FARMS, LLC, OWWO
 FIELD SCHWINDT SOUTH
 LOCATION 1994' FSL ± 1984' FEL
 SEC. 24 TWP. 17s R. 19w
 COUNTY RUSH STATE KANSAS
 OPERATOR L. D. DRILLING, INC.
 START 7-17-17 END 7-25-17
 RTD 3960 TO 3962
 ROD UP 3285 TYPE MUD CHEMICAL

ELEVATIONS
 KB 2140
 DF
 GI 2135
 Measurements Are All From 2140 KB
 CASING
 SIZE 8 5/8" @ 214'
 PRODUCTION 5 1/2" @
 ELECTRICAL SURVEYS
 DUAL IND., DENS-N.
 MICRO, SONIC

SAMPLES SAVED FROM 3300 TO 3960
 DRILLING TIME KEPT FROM 3300 TO 3960
 SAMPLES EXAMINED FROM 3300 TO 3960
 GEOLOGICAL SUPERVISION FROM 3500 TO 3960

OPERATED BY WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	1302+838	1304+836
B/ANH.	1337+803	1338+802
HEEBNER	3448-1308	3448-1308
LANSING	3496-1356	3496-1356
B/KC.	3756-1616	3758-1618
CONG. SAND 'CHRD.'	3835-1695	3833-1693
ARBuckle	3850-1710	3848-1708
REAGAN	NR	3956-1816



API: 15-165-21602

* OWWO

Well was intended to be a washdown.
 Drilling plug got out of hole @ 1195'
 Continued to RTD

REMARKS
 7-17-17 SPUD
 7-18 @ 976' *
 7-19 @ 1226'
 7-20 @ 2330'
 7-21 @ 2727'
 7-22 @ 3160'
 7-23 @ 3673'
 7-24 @ 3841'
 7-25 @ 3960'

LEGEND

- Dolomite
- Chert
- Coillime
- Limestone
- Carb. sh.
- Shale
- Sandstone
- Galt.
- Anhydrite



SAMPLE DESCRIPTIONS

DEPTH
 1250
 1300
 1550

LITHOLOGY

ANHYDRITE 1304+836

B/ANH. 1338+802

3300

Samples are logged

15. Th. VSI: Foss. sil. ch. lgy.

Sh. Ltg.

15. wt. sil. Foss. sil. Δ

Sh. dk. gy. blk.

15. dk. gy. sil. Foss.

Sh. Ltg.

15. Th. wt. Foss. calcitic. VSI: ch. lgy.

A. gy. Foss.

15. med. lgy. Fossil calcitic

A. Foss. gy.

15. Th. wt. med. wt. VSI: ch. lgy.

15. wt. Foss. med. 'wiggly' VSI: Δ

HEEBNER 3448-1308

Sh. blk. lgy. VSI: Foss.

Sh. blk. gy. silty.

15. Th. wt. sil. Foss. A. wt.

Sh. Ltg. blk.

LANSING 3496-1356

15. Th. VSI: Foss. sil. Δ

Sh. Ltg.

15. Th. gy. med. gd. med. p. No show. No odor

Sh. Ltg.

15. wt. sil. Foss. sil. Δ

15. blk. gy. Dm.

Sh. blk. sil. blk.

15. blk. gy. VSI: Foss.

Sh. Ltg. L.

15. gy. VSI: Foss. VSI: Δ

Sh. Ltg.

3500

Dol. Fresh Soc.

Dol. wt. Pak Fresh Sli A Soc.

Dol. wt. Pak Fresh Sli B

Dol. wt. Sdy Malco Li Sand Rt - Sub Rt

REAGAN 3956-1816

sd. cl. sig. Fr. Co. Sub. Rd. F. Sand.

RTD 3960-1820

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