

13-22S-00W

Toby Elster

GAS AND OIL EXPLORATION AND DEVELOPMENT
CONSULTING GEOLOGIST
SUTTSVILLE, MISSISSIPPI
809 ET WILSON STREET
WICHITA, KANSAS 67202

D.W. GARVEY BLDG, SUITE 628
200 WEST DOUGLAS
WICHITA, KS 67202

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 23 2009

CONSERVATION DIVISION
WICHITA, KS

OFF: 316-263-0542
RES: 316-685-7668

GEOLOGICAL REPORT

L.D. Hale Petroleum
Wiley Ash, Jr.
Ewy No. 2
CNW SW, Section 13-22S-2W
Harvey County, Kansas

15-079-20681-0000

Drilling Data

Southwind Drilling, Rig #2
Moved In: 21 February 2009
Surface Casing: 8 5/8" @ 212'
Elev. 1466 GL; 1475 RB
Ref. El. 1475 RB

Called to location when drilling at 3100 feet.

MISSISSIPPIAN 2885 (-1410)

Examined the top of the Mississippi Chert: Very light staining on white to light white chat. No shows of oil or fluorescence.

KINDERHOOK SHALE 3219 (-1744)

MISENER SANDSTONE 3239 (-1764)

3219-3222 Sandstone: Light clusters of small to medium rounded, clear well cemented, hard clusters. Traces of pyrite. No visible porosity. No shows, no odor or fluorescence.

HUNTON 3245 (-1470)

3245-3274 Dolomite: White, limey, large flakey to sucrosic crystalline. No visible porosity, no shows, odor or fluorescence.

3274-3290 Dolomite: Tan-brown, fine to medium crystalline, sucrosic, soft clusters. Fair porosity, show of free oil, good odor and dullish fluorescence. Of no value. (See DST No.1)

3250-3290 DST No. 1; Tool open 60 minutes, Shut In 45 min., Open 60 min, Shut In 60 min. Strong blow both openings. Recovered 1400 feet of Salt Water.

Geologist departed the location before the pressures were obtained.

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Geologist

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The following information comes from the records:

DST No. 1 Recovery corrected: Recovered 2' Oil + 240' MCW (35% W) + 1180' Water. (Less than 2/10 of 1% Oil); IBHP 1038#, FBHP 1042#; IFP 44-356#, FFP 365-585#. Temp (at opening 103°F, At closing 120°F)

Additional Formation Tops (from the Drilling Time):

Viola	3342 (-1867)
Simpson Shale	3426 (-1951)
Simpson Sand	3449 (-1974)

3449 - 3458 Sandstone: Clear, small to large, rounded to angular grains, white clusters. Slightly shaley in part, slightly pyritic. Fair porosity. No staining. Operator reports no odor or fluorescence.

3472 - 3490 Sandstone: As above. No staining. Some brown-tan crystalline, dense, limestone.

Rotary Total Depth 3490 (-2015)

D & A

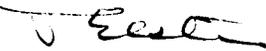
Comparison of the Ewy A No.2 to Ewy A No.1:

<u>Formation</u>	<u>Ewy A No.2</u> CNW SW, Sec. 13	<u>Ewy A No. 1</u> W/2 W/2 SW, Sec. 13
Hunton	E1. 1475 RB 3245 (-1770)	E1. 1471 RB 3246 (-1775)
Hunton Porosity	3275 (-1800)	3275 (-1804)
Simpson Sand	3449 (-1974)	3452 (-1981)
RTD	3490 (-2015)	3488 (-2018)

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