

GEOLOGICAL REPORT PREPARED FOR



**Lease: VIRGINIA 2-6**

**WILDCAT Field**

**Section 6, Township 11 South, Range 22 West**

**1,030'FNL & 2,350'FWL or SE-SE-NE-NW**

**TREGO COUNTY, KANSAS**

**API # 15-195-22, 688-00-00**

**Commenced: November 22, 2010**

**Completed: December 3, 2010**

## Geologist Report

Central Kansas Surveying, Great Bend , KS Location Sec. 6, T11S, R22W, SE, SE, NE, NW  
or 1030' From North Line, 2350' From West Line

2-6 Virginia lease is located in Section 6, Township 11 South, Range 22 West, in  
Trego County, Kansas. Approximately 8 miles north, 3.5 mile east, of Walkeeny, Kansas

G.L. = 2285 ft. K.B. = 2292 ft. D.F. = ~2290 ft. +/- Top of Kelly Bushing = 7 ft.

Spud - 11/22/10 Surface casing - New 8 5/8" set @ 264 ft. on 11/22/10 & e-logged at 264'

Southwind Drilling, Inc. - Rig #4, Ellinwood, KS; TP - Robert Stevens, DD - Bill Sanders, ED -  
Kevin Belcher, MD - Ken Thompson with four-person crews

MudCo, Inc. Great Bend, KS - Mud supplier & Drilling fluids daily mud monitoring - Gary  
Schmidtberger; Mud Type - Chemical in dug pit; water source from pond near location by  
Midwest Waterline Services, LLC Ron Wiesner

LogTech of Hays City, KS J.Shuler & M.Garrison - Electrical Logs/Down Hole (open)  
Microresistivity Log, Dual Compensated Porosity Log, Dual Induction Log- Logging  
Interpolation, Dale Legleiter with Computer Color Generated Log

RTD - 4000 ft. LTD - 4000 ft.

Sample collected wet-dry for reviewed from 3300 ft. to 4000 ft. 11/26/2010 through  
12/03/2010 Dry sample are being held at this time.

Trilobite Testing Inc. Hays City, KS office; Tester-Ray Schwager; Five (5) Drill Stem Tests  
review:

DST #1 3521'-3559' IH 1624, FIF 27, FFF 26, ISI 919, SIF 26, SFF 26, FSI 868, FH1659  
10-30-30-30 Recovered 5' mud,

DST #2 3559'-3590' IH 1683, FIF 24, FFF 30, ISI 802, SIF 31, SFF 56, FSI 751, FH1674  
5-60-60-60 Recovered 20' mud w/ show of oil, 80%w, 20%m

DST #3 3630'-3680' IH 1716, FIF 21, FFF 31, ISI 491, SIF37, SFF 103, FSI 474, FH 1711  
5-60-60-60 Recovered 20'm w/oil show, 120' so&gcm 55%gas, 6%o,89%m

DST #4 3690'-3640' IH 1750, FIF 39, FFF 71, ISI 164, SIF 75, SFF 158, FSI 163, FH1723  
5-60-60-60 Recovered 80'gip,40' so&gcwm 10%g,2%o,20%w,68%m

DST #5 3730'-3780' IH 1762, FIF 42, FFF 66, ISI 183, SIF 93, SFF 177, FSI 181, FH1737  
5-60-60-60 Recovered 70'wm40%w, 60%m-310'mw82%w, 20%m

See attached Trilobite Testing DST reports for complete reporting.

Based on the sample review, the DST results and the electrical log the Virginia 2-6 was condemned and plugged with KCC approval to the total depth of 4000 ft. on 12/3/2010 by Southwind Drilling, Inc. Robert Stevenson Tool Pusher.  
See Plugging report for Virginia 2-6.

VIRGINIA 2-6 Formation Tops

KB=2292'

FORMATION Top(s)	Sample Top(s)	E-Log Top(s)	Datum	McCallA#1
Stone Corral (Anhydrate)	1773'	1782'	(+510')	(+537)
Base of Anhydrate	1824'	1826'	(+510')	(+492)
Topeka	3316'	3318'	(-1024')	(-1023)
Heebner	3529'	3530'	(-1237')	(-1232)
Toronto	3550'	3550'	(-1258')	(-1256)
Lansing	3568'	3570'	(-1276')	(-1270)
Base of Kansas City	3799'	3800'	(-1507')	(-1498)
Arbuckle	3976'	3979'	(-1684')	(-1587)

A completed Wellsite plotted geologist report is attached.

The following Sample Review is based on samples with structure, slight shows, shows, hydrocarbon odor present. The DST number which covered this interval is also indicated.

Toronto

3521'-3559' ..... Clear vuggy cherty dolomite in limestone with good odor, slight oil show, fair/weak porosity, good fluorescence, DST #1

Lansing /KC

3559' -3590' ..... Dull white buff limestone good/fair odor, slight show of oil in few pieces, poor porosity, fair fluorescence, DST # 2

3630'-3680 ..... Dull white tan crystalline limestone gray crinoid's fossils with slight oil show, good odor, fair fluorescence, DST #3

3690'-3740' ..... Gray crystalline limestone with some oil stain, no free oil, fair fluorescence, DST #4

3730'-3780' ..... Dull gray crystalline limestone slightly vuggy with slight stain with fair odor, DST #5

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Prepared and respectfully submitted by,

Kevin J. Bailey, Wellsite Petroleum Geologist for:

