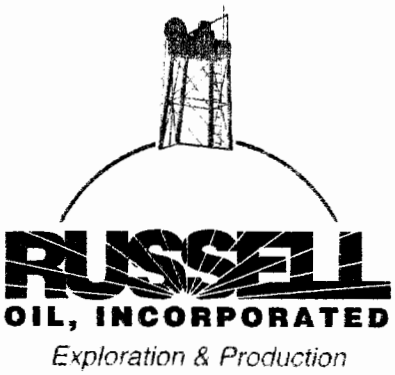
6-16-14W

GEOLOGICAL REPORT



Lease: Hubert Radke 1-6

NUSS Oil Field

Section 6, Township 16 South, Range 14 West

990'FNL, 840'FEL or E2, SW, NE, NE

BARTON COUNTY, KANSAS

API # 15-009-25302-00

Commenced: January 16, 2009

Completed: January 25, 2009

Geologist Report

Central Kansas Surveying, Great Bend , KS Location Sec. 6, T16S, R14W, E2, SW, NE, NE 990' From North Line, 840' From East Line or Longitude - 98.907301 /Latitude 38.694105

1-6 Hubert Radke lease is located in Section 6, Township 16 South, Range 14 West, Barton County, Kansas. Approximately 2 miles south, ¼ mile east of Milberger, Kansas

G.L. = 1882 ft. K.B. = 1892 ft. D.F. = 1889 ft.+/- Top of Kelly Bushing = 10 ft.

Spud - 01/16/09 Surface casing - New 8 5/8" set @ 895 ft. on 1/17/09

Southwind Drilling, Inc. - Rig #1, Ellinwood, KS; TP - Frank Rome, DD - Bill Sanders, ED – Tony Reeder, MD - Ken Thompson with four-person crews

MudCo, Inc. Great Bend, KS – Mud supplier & Drilling fluids daily mud monitoring - Rick Hughes; Mud Type - Chemical in dug pit; water source from pond near location

LogTech of Hays City, KS - Electrical Logs/Down Hole (open) Dual Induction, Microporosity, Dual Compensation by Logging Engineer, Tim Martin- Logging Interpolation, Dale Legleiter with Computer Color Generated Log

RTD – 3400 ft. LTD – 3400 ft.

Sample collected wet-dry - reviewed from 2700 ft. to 3400 ft. 01/18/2009 through 01/24/2009

Trilobite Testing Inc. Hays City, KS office; Tester - Jason McLemore; Six (6) Drill Stem Tests

DST #1 3055'-3175'
DST #2 3175'-3200'
DST #3 3220'-3320'
DST #4 3320'3350'
DST #5 3350'-3361' (packer failure)
DST #6 3320'-3361'

See attached Trilobite Testing DST reports

Based on the sample review, the DST results and the electrical log interpolation it was recommended that 5 ½" casing be set at the total depth of 3400 ft.

*Production Manager Todd Brown Russell Oil, Inc.

Installed new 5 ½" production casing ran by Murray Casing, Great Bend, Kansas with four-man crew

Formation stimulation (scratchers)* welded by Steve Jacobs Welding, Gorham, Kansas

Completion* cementing circulation and casing cement bond by Basic Energy of Pratt/Hays City, Kansas

KB=1892'

FORMATION Top(s)	Sample Top(s)	E-Log Top(s)	Datum
Stone Corral (Anhydrate)	898'	898'	(994')
*Base of Anhydrate	*926'	*926.5'	(965.5')
Topeka	2810'	2814'	(-922')
Heebner	3044'	3045'	(-1153')
Toronto	3065'	3062'	(-1170')
Lansing	3107'	3105'	(-1213')
Base of Kansas City	3343'	3343'	(-1451')
Arbuckle	3361'	3360'	(-1468')

A completed wellsite 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.

Topeka
2978'-2991'.....Dull white vuggy chert with fair porosity with few pieces of free oil, good odor, fair fluorescence, no DST

Toronto
3060'-3068'.....Clear vuggy cherty dolomite in limestone with good odor, good oil show, good porosity, good fluorescence, DST #1

Lansing /KC
3107' -3130'.....Dull white buff limestone good/fair odor, slight show of oil in two pieces, fair fluorescence, DST #1

3160'-3178' ..... Oolitic white limestone with microfossils with gas bubbles and free oil in one piece, good odor/fluorescence, DST #1 & 2

3220'-3225' ..... Dull white cherty limestone with free oil show, strong odor, good fluorescence, DST #3

3280'-3292' ..... Vuggy white chert in limestone with good oil stain, one piece with free oil, fair fluorescence, DST #3

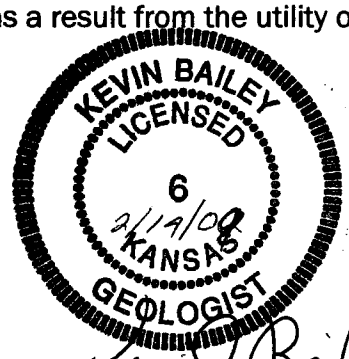
Base of L/KC
3348'-3350' .....Weathered dolomite with slight stain with fair odor, DST #4

Arbuckle
3360'-3361'.....Slight oil-stained brown crystalline dolomite with good odor, gas bubbles, no free oil, and poor fluorescence, DST #5 & 6

Note: The odor present in lower formations could be the result of injection/disposal wells within the area of the Nuss field.

GeoCertified, LLC guarantees and/or warrants that the information contained herein has been prepared based upon the most up-to-date data available at the time of the prognostic research, drilling evaluation and documentation. GeoCertified, LLC explicitly disclaims any liability incurred as a result from the utility of said information, samples, and documentation.

Prepared by:



Kevin J. Bailey

GeoCertified, LLC

Kevin J. Bailey 02/14/2009