

**ORIGINAL**

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KANSAS CORPORATION COMMISSION

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

October 2008

OCT 08 2009 Must Be Typed

10/5/10

**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONSERVATION DIVISION  
WICHITA, KS

OPERATOR: License # 3293  
Name: Russell Oil, Inc.  
Address 1: PO Box 1469  
Address 2: \_\_\_\_\_  
City: Planfield State: IL Zip: 60544 + \_\_\_\_\_  
Contact Person: LeRoy Holt II  
Phone: ( 815 ) 609-7000  
CONTRACTOR: License # 33350  
Name: Southwind Drilling LLC  
Wellsite Geologist: Kevin Bailey  
Purchaser: NA

Designate Type of Completion:  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_  
\_\_\_\_\_ Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW \_\_\_\_\_  
\_\_\_\_\_ Gas  ENHR \_\_\_\_\_ SIGW \_\_\_\_\_  
\_\_\_\_\_ CM (Coal Bed Methane) \_\_\_\_\_ Temp. Abd. \_\_\_\_\_  
\_\_\_\_\_ Dry \_\_\_\_\_ Other \_\_\_\_\_  
(Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Enhr. \_\_\_\_\_ Conv. to SWD \_\_\_\_\_  
\_\_\_\_\_ Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No.: \_\_\_\_\_  
6/17/09                      6/24/09                      8/07/09  
Spud Date or                      Date Reached TD                      Completion Date or  
Recompletion Date                                                                Recompletion Date

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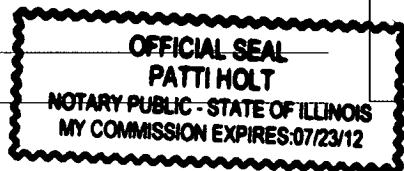
API No. 15 - 065-23548-00-00  
Spot Description: \_\_\_\_\_  
SW NE SE    Sec. 25 Twp. 10 S. R. 23  East  West  
1540 Feet from  North /  South Line of Section  
1270 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: GRAHAM  
Lease Name: BOLLIG D Well #: 3-25  
Field Name: PRIARIE GLEN  
Producing Formation: NA  
Elevation: Ground: 2340' Kelly Bushing: 2350'  
Total Depth: 4150' Plug Back Total Depth: 4097'  
Amount of Surface Pipe Set and Cemented at: 267 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1942' Feet  
If Alternate II completion, cement circulated from: 1942'  
feet depth to: SURFACE w/ 275 <sup>sq cm</sup> ALF 2-Dlg -10/8/09

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content: 31000 ppm Fluid volume: 1000 bbls  
Dewatering method used: EVAPORATION  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: [Signature]  
Title: President Date: 10-5-2009  
Subscribed and sworn to before me this 5th day of October,  
2009.  
Notary Public: [Signature]  
Date Commission Expires: 7/23/12



**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
\_\_\_\_\_ UIC Distribution

Operator Name: Russell Oil, Inc. Lease Name: BOLLIG D Well #: 3-25  
 Sec. 25 Twp. 10 S. R. 23  East  West County: GRAHAM

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run: <b>COMPUTER PROCESSED INTERP; DUAL COMPENSATED POROSITY; MICRORESISTIVITY; DUAL INDUCTION; SECTOR BOND/GAMMA RAY</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum  SEE ATTACHED GEOLOGIST REPORT <div style="text-align: center;"> <b>KCC</b>  <b>OCT 05 2009</b>  <b>CONFIDENTIAL</b> </div> <div style="text-align: right;"> <b>RECEIVED</b>  <b>KANSAS CORPORATION COMMISSION</b>   <b>OCT 08 2009</b>   <b>CONSERVATION DIVISION</b>  <b>WICHITA, KS</b> </div>
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/2"	8 5/8"	20#	267'	60/40 poz	175	3% c.c.; 2%gel
Production	7 7/8"	5 1/2"	15.5#	4145'	60/40 poz	25	AA-2

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input checked="" type="checkbox"/> Plug Off Zone	3716'-3718'	Common	150	2% c.c.

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	LKC F ZONE (3699'-3702')	250 GALS. 15%NE/CS/DMO	
		500 GALS 15% NE/CS	
4	LKC J ZONE (3783'9378')	500 GALS 15% MCA	
		1500 GALS 15% NE/DMO	

TUBING RECORD: Size: <u>2 3/8" EUE 8rd Seal Title</u> Set At: <u>3668'</u> Packer At: <u>3670'</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <b>Docket #E-30485 approval pending</b>	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf
	Water Bbls.	Gas-Oil Ratio
		Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# ALLIE CEMENTING CO., LLC 38384

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

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CONSERVATION DIVISION  
WICHITA, KS

DATE <u>7/9/0</u>	SEC. <u>2S</u>	TWP. <u>10</u>	RANGE <u>23</u>	CALLED OUT	ON LOCATION	JOB START <u>11:30 AM</u>	JOB FINISH <u>12:30 PM</u>
LEASE <u>Bullig</u>	WELL # <u>D 3-2S</u>	LOCATION <u>McKeevy 2N Colino 2E</u>			COUNTY <u>Cherokee</u>	STATE <u>K</u>	
OLD OR NEW (Circle one) <u>NS</u>							

CONTRACTOR Express Well

TYPE OF JOB Squeeze KC

HOLE SIZE 7 7/8 T.D.

CASING SIZE 5 7/8 DEPTH

TUBING SIZE 2 3/8 DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 1.9 bbls

PERFS.

DISPLACEMENT 14 bbls

EQUIPMENT

PUMP TRUCK CEMENTER Bill

# 417 HELPER 119#

BULK TRUCK

# 389 DRIVER ALAN

BULK TRUCK

# DRIVER

OWNER

CEMENT AMOUNT ORDERED

150 Com

2HLL

COMMON 150 @ 13.50 2025.00

POZMIX @

GEL @

CHLORIDE 2 @ 51.50 103.00

ASC @

HANDLING 150 @ 2.25 337.50

MILEAGE 110.56/mile 450.00

TOTAL 2915.50

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REMARKS:

Test Csg C 3775 1000' OIL

Perfs C 3699-3702-3716-18

3750.5-53.5

Place c 2688, Eng Rate 2811

50' @ Cent w/ 100' @ Com 29.0

Follow w/ 50' @ Com, Squeeze to 150'

Wash clean, pull 15' @ Press

to 50' @ Shot in

CHARGE TO: Russell Oil

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 1159.00

EXTRA FOOTAGE @

MILEAGE 30 @ 7.00 210.00

MANIFOLD @

TOTAL 1369.00

PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Todd Brewer

SIGNATURE Todd Brewer

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

# ALLIED CEMENTING CO., LLC. 737537

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Russell

DATE <u>6-18-09</u>	SEC. <u>25</u>	TWP. <u>10</u>	RANGE <u>23</u>	CALLED OUT	ON LOCATION	JOB START <u>3:15 AM</u>	JOB FINISH <u>3:45 AM</u>
LEASE <u>BOLLIG</u>	WELL # <u>D-325</u>	LOCATION <u>WAKEENEY N-TO RD B.</u>	COUNTY <u>Graham</u>	STATE <u>KANSAS</u>			
OLD OR NEW (Circle one) <u>NEW</u>		<u>2 E IN 1/8 E 1/2 N 1/4 W INTO</u>					

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CONTRACTOR SOUTH WIND Rig #1 OWNER \_\_\_\_\_

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D. 270'

CASING SIZE 8 5/8 DEPTH 270'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15-20'

PERFS. \_\_\_\_\_

DISPLACEMENT 110 1/4 BBL

EQUIPMENT \_\_\_\_\_

PUMP TRUCK CEMENTER Glenn

# 409 HELPER CHRIS

BULK TRUCK \_\_\_\_\_

# 410 DRIVER John

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

CEMENT AMOUNT ORDERED <u>175sx Com</u>		
<u>38 cc</u>		
<u>2% GEL</u>		
COMMON <u>175</u>	@ <u>13.50</u>	<u>2362.50</u>
POZMIX _____	@ _____	_____
GEL <u>3</u>	@ <u>20.25</u>	<u>60.75</u>
CHLORIDE <u>6</u>	@ <u>51.50</u>	<u>309.00</u>
ASC _____	@ _____	_____
HANDLING <u>175</u>	@ <u>2.25</u>	<u>393.75</u>
MILEAGE _____		<u>875.00</u>
TOTAL		<u>4,001.00</u>

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WICHITA, KS

REMARKS:

Cement CIRCULATED  
THANK'S

CHARGE TO: Russell Oil Inc.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB _____		
PUMP TRUCK CHARGE _____		<u>991.00</u>
EXTRA FOOTAGE _____	@ _____	_____
MILEAGE <u>50</u>	@ <u>7.00</u>	<u>350.00</u>
MANIFOLD _____	@ _____	_____
TOTAL		<u>1341.00</u>

PLUG & FLOAT EQUIPMENT

<u>8 5/8 wooden wiper plug</u>		
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
TOTAL		_____

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Frank Rome

SIGNATURE Frank Rome

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT 00 IF PAID IN 30 DAYS

Customer Russell Oil INC	Lease No. CONSERVATION DIVISION WICHITA, KS	Date 6-24-09
Lease SOLIG 'D'	Well # 3-25	
Field Order # 1718-0200A	Station Pratt KS	Casing 5 1/2"
		Depth 4145
Type Job 5 1/2 Long String Two Stage	Formation CMW	County Graham
		State KS
		Legal Description 25-10-23

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 5 1/2	Tubing Size	Shots/Ft 25 SK	25 SK	60/40 PZ scavenger @ 13#	Acid AA-2 w/ 5% cal set	RATE 250	PRESS Foamer, 8% F/A-322
Depth 4145	Depth	From	To 10%	Pre Pad SALT 75% Gas	Max Blok	25 cell Flake	ISIP 5% F/A-322
Volume 97.6	Volume	From	To 15.3	Pad 1.38 cu ft/sk	Min E	500 gal mud flush	5 Min
Max Press 1500	Max Press	From	To 275 SK	Frac A-con Blend w/	Avg 390 CC	2% cal set	15 Min
Well Connection P.C.	Annulus Vol.	From	To 1/4"	cell Flake @ 12	HHP Used #9AL	2.56 cu ft/sk	Annulus Pressure
Plug Depth 41.04	Packer Depth	From	To	Flush Freshwater mud	Gas Volume 50 SKS 60/40 PZ	Plus RA+MH	Total Load

Customer Representative TODD Brown	Station Manager Dave Scott	Treater Allen F. Werth
---------------------------------------	-------------------------------	---------------------------

Service Units 28443	19832	21010	19960	19918	19903-19905
Driver Names werth	steve	LaChance	Dale	Phye	MARTIN

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0315					on Loc. Discuss Safety, setup & Plan Job
0500					start 5 1/2 csg 155# shoe joint 41.03
					w/ float shoe + latch down baffel in collar
					cent. 1-3-5-7-9-11-13-15-17-19-54
					Basket-53, DV on 54 1942
0700					Casing @ 4145' CIR + Rotate - "good CIR"
0800	200#		24	4 1/2	start 24 BBL Super flush II
	200#		3	4 1/2	Pump 3 BBLs H <sub>2</sub> O spacer
	300#		6	4 1/2	Mix + Pump 25 SKS scavenger 60/40 PZ
	250#		42		Mix + Pump 175 SKS AA-2 @ 15.3#
					FIN mix, wash out Pump + Line
0822	100#			6	Drop Latch down Plug Start Disg
			50		Pump 50 BBLs H <sub>2</sub> O
			47.6		Pump 47.6 BBLs mud
	300#			4 1/2	caught L.F PSI w/ 68 BBLs out
0845	1500#		97.6		Plug down - Release PSI OK
0847					drop Dart to open DV
0904	850#				open DV w/ Pump Truck
					Pump mud OFF TRUCK
0900					CIR w/ Rig Pump

CONT.

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Customer Russell Oil INC	Lease No.	Date 6-24-09
Lease Bolis 'D'	Well # 9-25	CONSERVATION DIVISION WICHITA, KS
Field Order # 17180200A	Station Pratt KS	Casing 5/2
	Depth 1942	County Graham
Type Job 5/2 Long String Two-Stage	Formation CNU	Legal Description 25-10-23

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size/ 5/2	Tubing Size	Shots/Ft 275 SK	Acid A-con Blend	RATE w/ 30% CC, 20% cal set	PRESS	ISIP		
Depth 1942	Depth	From To	Pre Pad 20% metsolite	Max 1/4" cell Flake		5 Min.	12. # 2.56 cut	
Volume 46.2	Volume	From To	Pad	Min		10 Min.		
Max Press 1900	Max Press	From To	Frac	Avg		15 Min.		
Well Connection PC	Annulus Vol.	From To		HHP Used		Annulus Pressure		
Plug Depth 1942	Packer Depth	From To	Flush Freshwater	Gas Volume		Total Load		

Customer Representative: 1000 Brown  
Station Manager: Dave Scott  
Treater: Allen F. Werth

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
			7 1/2	2	Plug Rat Hole w/ 30 cks 60/40 p02
			5	2	Plug Mouse Hole w/ 20 sks 60/40 p02
	100#			5/2	Mix + Pump 275 SKs A-con Blend
			125		Finish mix cmf
	100#			5/2	Release Shot OFF Plug For DV
	300#				Start Disp.
11:15	1400#		46.2		PSI slowly climbs
					Plug down DV closes
					Release PSI - OK
					Washup Equip
12:00					Job Complete
					cancel CIR to P.t.
					Thanks
					Allen
					Mike
					Steve
					Dale

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GEOLOGICAL REPORT

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**Russell Oil, Inc. Lease: Bollig 3-25**

**Prairie Glen Oil Field**

**Section 25, Township 10 South, Range 23 West**

**1540' FSL, 1270' FEL**

**GRAHAM COUNTY, KANSAS**

**API # 15-065-23548-00**

**Commenced: June 17, 2009**

**Completed: June 24, 2009**

OCT 08 2009

Geologist Report

Central Kansas Surveying, Great Bend, KS Location Sec. 25, T10S, R23W,  
1540' From South Line, 1270' From East Line.

CONSERVATION DIVISION  
WICHITA, KS

3-25" D" Bollig lease is located in Section 25, Township 10 South, Range 23 West, Graham  
County, Kansas. Approximately 8 miles south, 2 mile east of WaKeeney, Kansas

G.L. = 2340 ft. K.B. = 2350 ft. D.F. = 2349 ft. +/- Top of Kelly Bushing = 10 ft.

Spud - 06/17/09 Surface casing - New 8 5/8" set @ 267 ft. on 6/17/09

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 - Gary  
Schmidtberger; 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, Kevin Bange- Logging Interpolation, Dale Legleiter  
with Computer Color Generated Log

RTD - 4150 ft. LTD - 4146 ft.

Sample collected wet-dry - reviewed from 3200 ft. to 4150 ft. 06/21/2009 through  
06/25/2009

Trilobite Testing Inc. Hays City, KS office; Tester - Ray Schwager One (1) Drill Stem Test

DST #1 3783'-3797'

See attached Trilobite Testing DST reports



Pre-drilling evaluation included 5 1/2" casing to be set at the total depth of 4150 ft.; actual landed @ 4145 ft. by Russell Oil Production Manager, Todd Brown.

Installed 40 joints of used and remaining new 5 1/2" production casing ran by Murray Casing, Great Bend, Kansas with four-man crew.

Formation stimulation (scratchers) welded by Kyle Jacobs of Steve's Welding, Gorham, Kansas.

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

KB=1892'

<u>FORMATION Top(s)</u>	<u>Sample Top(s)</u>	<u>E-Log Top(s)</u>	<u>Datum</u>
Stone Corral (Anhydrate)	1850'	1850'	(500')
Base of Anhydrate	1898'	1898'	(452')
Topeka	3350'	3350'	(-1000')
Heebner	3572'	3572'	(-1222')
Toronto	3596'	3596'	(-1246')
Lansing	3608'	3608'	(-1258')
Muncie Creek	3736'	3736'	(-1386')
Stark	3798'	3798'	(-1448')
Hushpuckney	3818'	3818'	(-1468')
Base of Kansas City	3840'	3840'	(-1490')
Marmaton	3930'	3930'	(-1580')
Arbuckle	4128'	4128'	(-1778')

A completed wellsite geologist report is attached.

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The following Sample Review is based on samples with structure, slight shows, shows, and/or hydrocarbon odor present.

Lansing /KC

3650-3560' ..... Limestone tan to dull white with fair odor

3660-3670' ..... Oolitic white limestone with microfossils with free oil in one piece, good odor/fluorescence

3783-3797' ..... Dull white limestone with free oil show, strong odor, good fluorescence over in DST #1

3800-3818' ..... Limestone fine crystalline tan/light gray with slight pin point porosity in a few pieces with fair stain /fluorescence

Marmaton

4000-4030' ..... Limestone gray in a crystalline limestone and cemented sands structures with tar and/or dead asphaltic/ bituminous hydrocarbons present throughout the samples. No odor or free oil present.

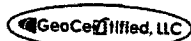
Arbuckle

4120-4130' ..... A medium to hard dolomite dull white with tar/dead asphaltic/bituminous hydrocarbon throughout the sample no odor or free oil present.

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



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