



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

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., 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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that 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.

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1048028

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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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 <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Paul Beckman A 1-14
Doc ID	1048028

Tops

Name	Top	Datum
ANHYDRITE	2478	+435
B. ANHYDRITE	2509	+404
HEEBNER	3926	-1013
TORONTO	3950	-1037
LANSING	3968	-1055
STARK	4183	-1270
BASE KC	4242	-1329
MARMATON	4266	-1353
PAWNEE	4371	-1458
FT SCOTT	4434	-1527
CHEROKEE	4465	-1552



**CONSOLIDATED**  
Oil Well Services, LLC

WELL NUMBER 24417  
LOCATION Oakley KS  
FOREMAN Pat Heisler

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-4-10	7043	Beckman "A" 1-14	14	10 <sup>S</sup>	31 <sup>W</sup>	Thomas
CUSTOMER Russell Oil Co.						
MAILING ADDRESS						
CITY		STATE	ZIP CODE			
TRUCK #		DRIVER	TRUCK #	DRIVER		
463		Shannon	F			
439		Pat	H			

JOB TYPE PTA HOLE SIZE 7 1/8 HOLE DEPTH 4600' CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 4 1/2 X H - 2490 TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting, Plug as ordered

25 SKS @ 2490'  
 100 SKS @ 1750'  
 40 SKS @ 320'  
 10 SKS @ 40'  
 30 SKS in R.H.  
 15 SKS in M.H.  
 220 SKS 60/40 por, 4% gel  
 1/4 # Flo Seal

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1,200 <sup>00</sup>	1,200 <sup>00</sup>
5406	10	MILEAGE	450	450 <sup>00</sup>
1131	220	60/40 por	13 <sup>00</sup>	2,860 <sup>00</sup>
1118B	756 #	Bentonite (Gel)		151 <sup>20</sup>
1107	55 #	Flo-Seal		137 <sup>50</sup>
5407	9.46	Ton Mileage Delivery (min chrg)	390 <sup>00</sup>	390 <sup>00</sup>
Subtotal				4,783 <sup>70</sup>
less 20% Disc				- 956 <sup>74</sup>
				3,826 <sup>96</sup>
SALES TAX				229 <sup>86</sup>
ESTIMATED TOTAL				4056 <sup>82</sup>

RAVIN 3737 AUTHORIZATION Shannon Perry TITLE TOOLPUSHER DATE 9-11-10

237241



PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

NET NUMBER 29010  
LOCATION Oakley KS  
FOREMAN Rick Ledford

**FIELD TICKET & TREATMENT REPORT  
CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-27-10	7043	Paul Beckman A 1-14	14	10	31 W	Thomas
CUSTOMER Russell Oil Inc.		H2 DRUG	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 8050			463	John S.		
CITY Edmond			439	Allen Baum		
STATE OK						
ZIP CODE 73063						

JOB TYPE surface 0' HOLE SIZE 12 1/4" HOLE DEPTH 272' CASING SIZE & WEIGHT 8 5/8"  
 CASING DEPTH 272' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15# SLURRY VOL \_\_\_\_\_ WATER gal/sk 6.5 CEMENT LEFT in CASING 20'  
 DISPLACEMENT 16 bbl DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

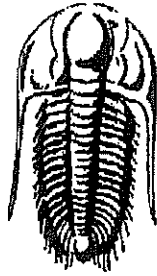
REMARKS: Safety meeting- Rig up to 8 5/8" casing. Break circulation w/ 5 bbl fresh water. Mixed 175 sacks class "A" cement w/ 3% cacl2 + 270 gal @ 15# / gal. Shut down, release 8 5/8" wooden plug. Displace w/ 16 bbl fresh water. Shut casing in w/ good cement returns to surface. Job complete. Rig down.

THANK YOU

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	985.00	985.00
5406	10	MILEAGE	4.50	45.00
11045	175 sacks	class "A" cement	16.00	2800.00
1102	500 #	3% cacl2	.88	440.00
1118A	330 #	270 gal	.20	66.00
5407	8.23	ton mileage bulk + tax	m/c	390.00
4432	1	8 5/8" wooden plug	92.00	92.00
Total 4818.00 -20% disc 963.60 Total 3854.40			Subtotal	4818.00
			SALES TAX	248.06
			ESTIMATED TOTAL	4102.46

AVIN 3737  
 AUTHORIZATION Steven Craig TITLE 236254 DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Russell Oil Inc.**

P.O. Box 8050  
Edmond, Ok 73083

ATTN: Steve Murphy

**14-10-31 Thomas, Ks**

**Paul Beckman A 1-14**

Start Date: 2010.09.02 @ 07:30:20

End Date: 2010.09.02 @ 13:37:14

Job Ticket #: 040232          DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Russell Oil Inc.

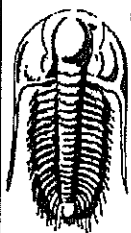
Paul Beckman A 1-14

14-10-31 Thomas, Ks

DST # 2

LKC K.J.L

2010.09.02



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Russell Oil Inc.  
P.O. Box 8050  
Edmond, Ok 73083  
ATTN: Steve Murphy

**Paul Beckman A 1-14**  
**14-10-31 Thomas, Ks**  
Job Ticket: 040232 DST#: 2  
Test Start: 2010.09.02 @ 07:30:20

## GENERAL INFORMATION:

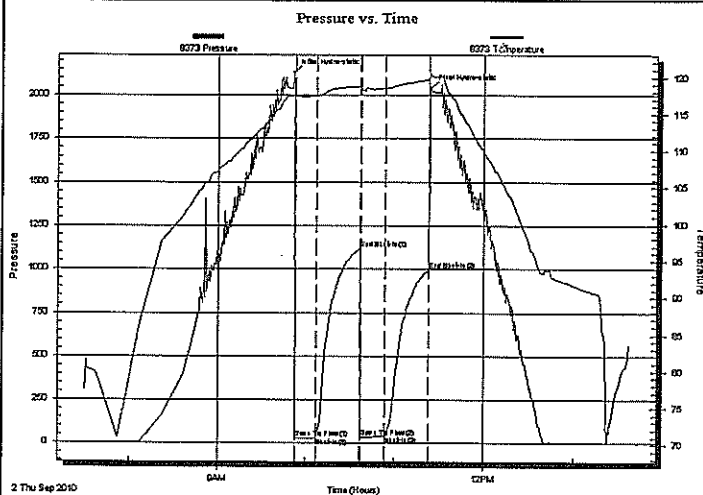
Formation: **LKC KL**  
Deviated: **No Whipstock:** ft (KB)  
Time Tool Opened: 09:52:45  
Time Test Ended: 13:37:14  
Interval: **4182.00 ft (KB) To 4245.00 ft (KB) (TVD)**  
Total Depth: **4245.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Test Type: **Conventional Bottom Hole**  
Tester: **Brandon Turley**  
Unit No: **35**  
Reference Elevations: **2910.00 ft (KB)**  
**2900.00 ft (CF)**  
KB to GR/CF: **10.00 ft**

## Serial #: 8373

Inside

Press@RunDepth: **38.93 psig @ 4187.00 ft (KB)**  
Start Date: **2010.09.02** End Date: **2010.09.02**  
Start Time: **07:30:20** End Time: **13:37:14**  
Capacity: **8000.00 psig**  
Last Calib.: **2010.09.02**  
Time On Btm: **2010.09.02 @ 09:51:30**  
Time Off Btm: **2010.09.02 @ 11:23:45**

**TEST COMMENT:** IF: 1/4 blow died in 10 min.  
IS: No return.  
FF: No blow . Flushed tool no blow .  
FS: No return.



## PRESSURE SUMMARY

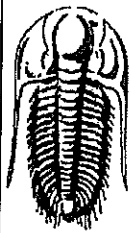
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2128.69	117.59	Initial Hydro-static
2	27.65	117.42	Open To Flow (1)
16	31.97	117.44	Shut-In(1)
46	1120.37	118.84	End Shut-In(1)
46	33.16	118.37	Open To Flow (2)
63	38.93	118.52	Shut-In(2)
92	997.62	119.68	End Shut-In(2)
93	2041.61	120.62	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100%m	0.07

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Russell Oil Inc.  
P.O. Box 8050  
Edmond, Ok 73083  
  
ATTN: Steve Murphy

**Paul Beckman A 1-14**  
**14-10-31 Thomas, Ks**  
Job Ticket: 040232      DST#: 2  
Test Start: 2010.09.02 @ 07:30:20

**Tool Information**

Drill Pipe:	Length: 3870.00 ft	Diameter: 3.80 inches	Volume: 54.29 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 303.00 ft	Diameter: 2.25 inches	Volume: 1.49 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 55.78 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4182.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

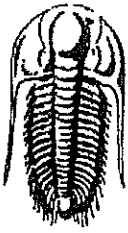
Tool Comments:

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4159.00	
Shut In Tool	5.00			4164.00	
Hydraulic tool	5.00			4169.00	
Jars	5.00			4174.00	
Safety Joint	3.00			4177.00	
Packer	5.00			4182.00	24.00      Bottom Of Top Packer
Packer - Shale	4.00			4186.00	
Stubb	1.00			4187.00	
Recorder	0.00	8373	Inside	4187.00	
Recorder	0.00	8289	Outside	4187.00	
Perforations	24.00			4211.00	
Change Over Sub	1.00			4212.00	
Drill Pipe	31.00			4243.00	
Change Over Sub	1.00			4244.00	
Bullnose	5.00			4249.00	67.00      Anchor Tool

**Total Tool Length: 91.00**





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil Inc.  
P.O. Box 8050  
Edmond, Ok 73083

**Paul Beckman A 1-14**

**14-10-31 Thomas, Ks**

Job Ticket: 040232      DST#: 2

ATTN: Steve Murphy

Test Start: 2010.09.02 @ 07:30:20

### Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.97 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1000.00 ppm				
Filter Cake:	1.00 inches				

### Recovery Information

Recovery Table

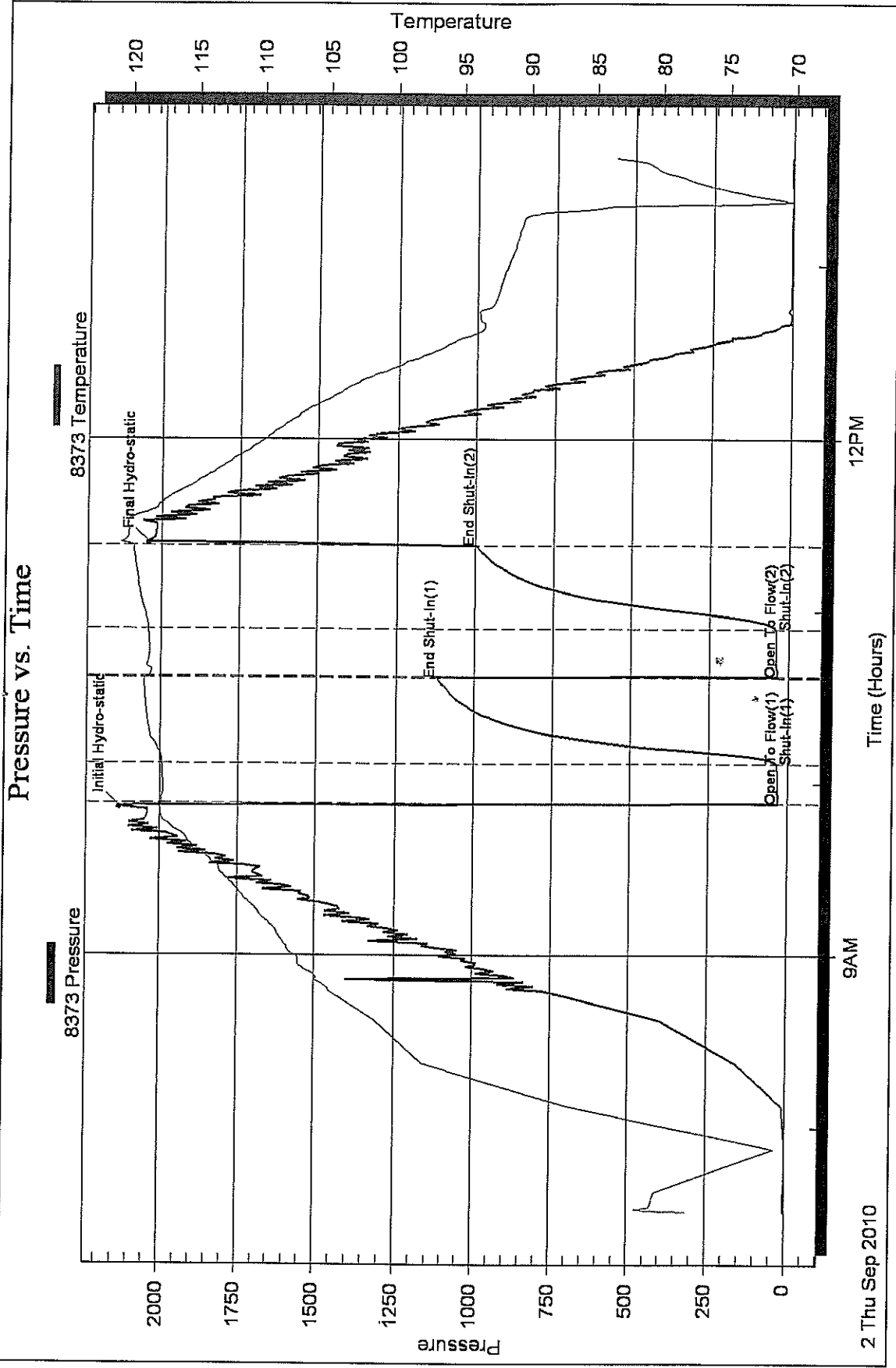
Length ft	Description	Volume bbl
15.00	mud 100%m	0.074

Total Length: 15.00 ft      Total Volume: 0.074 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:





STEVEN P. MURPHY, P.G.  
3365 C.R. 390  
OTIS, KS 67565  
620-639-3030

API# 15-193-20,777-00-00

GEOLOGIST'S REPORT  
DRILLING TIME AND SAMPLE LOG

OPERATOR Russell Oil, Inc.  
LEASE Paul Beckman 'A' WELL NO. 1-14  
FIELD Wildcat  
LOCATION 2070' FSL; 830' FEL  
SEC. 14 TWP. 10<sup>s</sup> RGE. 31<sup>w</sup>  
COUNTY Thomas STATE KS

ELEVATION  
KB 2913'  
DF -  
GL 2902'  
Measurements Are All  
From KB

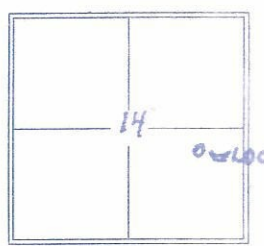
CASING RECORD  
SURFACE 8 5/8" @ 254'

PRODUCTION  
D4A

ELECTRICAL SURVEYS  
RAG by  
log-tech

CONTRACTOR H2 Drlg - Rig #2  
COMM. 8-26-10 COMP. 9-4-10  
RTD 4600' LOG TD 4600'  
SAMPLES SAVED FROM 3700' TO TD  
DRILLING TIME KEPT FROM 3600' TO TD  
SAMPLES EXAMINED FROM 3700' TO TD  
GEOLOGICAL SUPERVISION FROM 3735' TO TD  
MUD UP 3390' TYPE MUD Chemical

FORMATION	LOG		SAMPLE		STRUCT. COMP.
	TOP	DATUM	TOP	DATUM	
Anhydrite	2478	(+438)	2475	(+438)	
B. Anhydrite	2509	(+404)			
Heebner	3926	(-1012)	3931	(-1018)	
Toronto	3950	(-1032)	3953	(-1040)	
Lansing	3968	(-1055)	3969	(-1056)	
Stark	4183	(-1270)	4187	(-1274)	
Base KC	4242	(-1329)	4241	(-1328)	
Marmaton	4266	(-1353)	4267	(-1354)	
Pawnee	4371	(-1458)	4360	(-1455)	
Ft. Scott	4439	(-1520)	4435	(-1522)	
Cherokee	4465	(-1552)	4467	(-1554)	



REFERENCE WELL FOR STRUCTURAL COMPARISON \_\_\_\_\_

DRILL STEM TESTS

No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	INH-FIH	RECOVERY
1	4155-4187	48-48 / 15"	115 / 30"	48-49 / 15"	92 / 30"	2059-2025	62' Mud
2	4182-4245	27-31 / 15"	1120 / 30"	33-38 / 15"	997 / 30"	2128-2041	15' Mud

REMARKS AND RECOMMENDATIONS  
Based on the lack of development of projected zones, coupled with negative DST results, it was recommended that this well be plugged at the RTD of 4600'

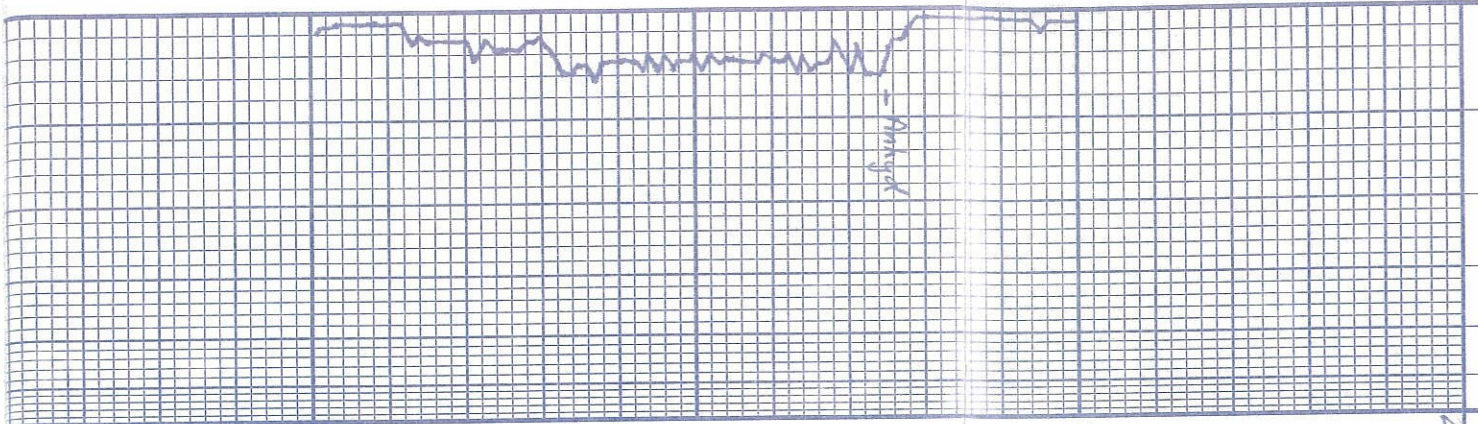
Respectfully submitted,



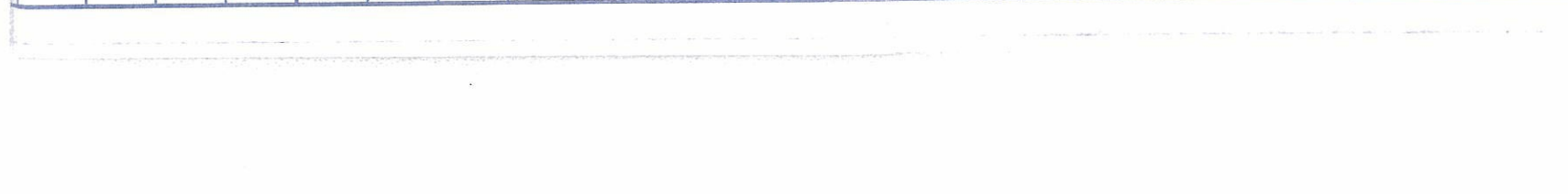
- LEGEND**
-  Anhydrite
  -  Salt
  -  Sandstone
  -  Shale
  -  Carb sh
  -  Limestone
  -  Oil Lime
  -  Chert
  -  Dolomite

DRILLING TIME IN MINUTES  
PER FOOT  
Rate of Penetration Decreases

5" 10" 15" 20" 25"



DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
2400				
2450				
2500				
2550				



3700

LS: cream-gry, fxlh, p-tr  
inclin, foss, silchally (NS)

KS: wh-gry, fxlh, fr inclin  
foss, silchally (NS)

SH: dk gry-grn

LS: cream-tan-gry, fxlh,  
fr inclin-vng, foss, chally (NS)

LS: cream-tan, fxlh, oolic  
gd vng, silchally (NS)

SH: blk, carb

SS: gry, f-gr, friable NS  
shaly

SH: grn-gry-brn

KS: wh-cream, vfxlh, dense  
(NS)

SH: narrow

LS: wh-cream, vfxlh, dense  
(NS)

SH: blk

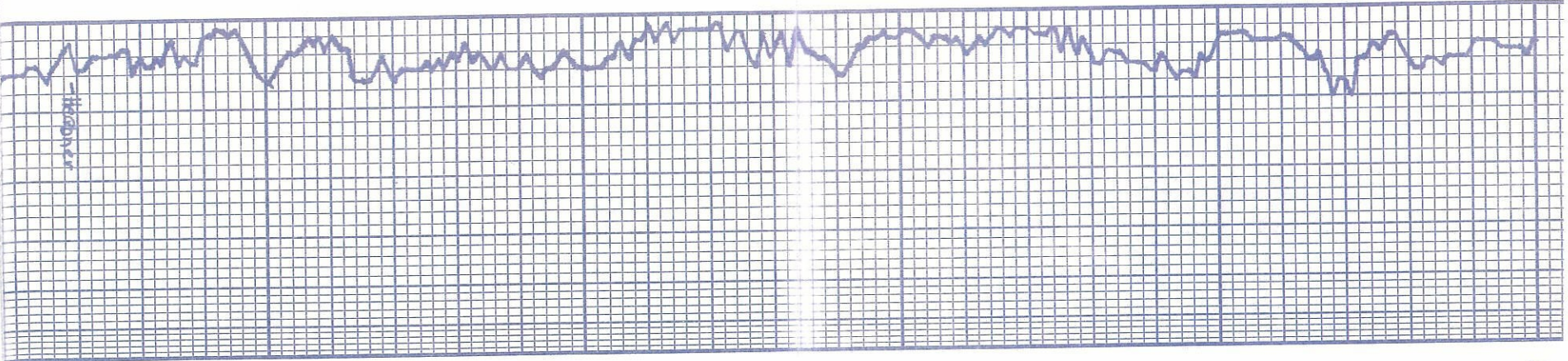
LS: wh-tan, fxlh, foss in  
pt, oolic, fr oom. p (NS)

KS: wh-tan, fxlh, foss, oolic,  
gd oom/vng, chally (NS)

NS: wh-gry, vshly dense,  
chally (NS)

SH: blk, carb

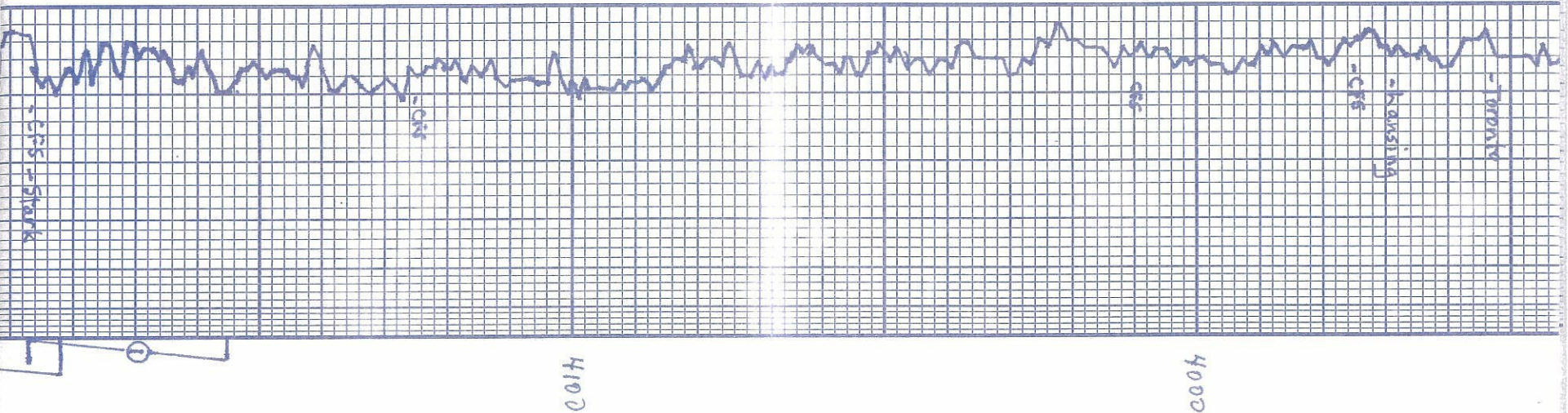
SH: above of level



3800

3900

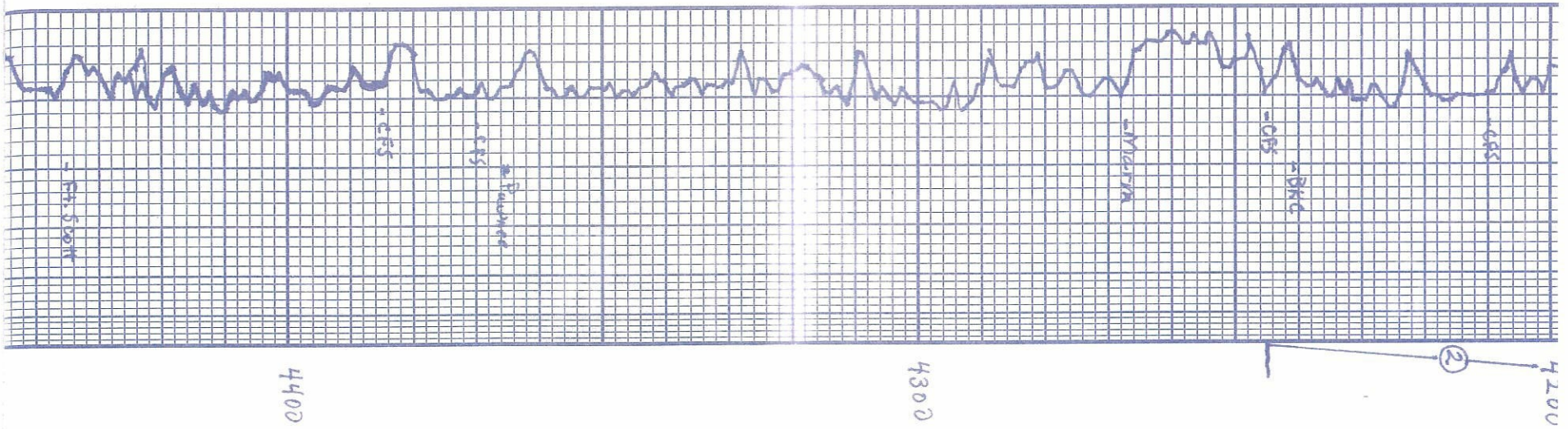
KROONER



KS: wh-tan, fxl, snc
Pr indn $\phi$ , chalking (NS)
SH: gry-grn
KS: crm-gry, fxl, sl, fobs, chalking (NS)
SH: blk-gry-grn-brn
KS: crm, fxl, sl, fobs, sl, chalking (NS)
SH: gry-grn-brn
KS: wh-gry, vfxln, dense (NS)
SH: gry-grn-brn
KS: crm, fxl, vfxln, dense, chalking (NS)
SH: blk-gry-grn
KS: blk, wh, crm, vfxln, dense
KS: wh-gry, vfxln, dense, chalking (NS)
SH: blk
SH: blk-grn-gry-brn
KS: wh-tan, vfxln, sl, chalking dense (NS)
KS: as above w/ 1 pc w/ fr $\phi$ + minor stn (no odor)
SH: blk-gry-grn
KS: crm-gry, vfxln, dense, chalking (NS)
SH: gry-grn-brn
KS: wh-cr, fxl, fr ppt $\phi$ , SSFO, soatt stn, sl, odor

Strip Pipe @ 4187'  
 7' long, no correction  
 Survey @ 4187-misrun  
 DST#1 (4155-4187)  
 IS: 30:15:30  
 IF: 1 1/2" blow, diol 12min  
 IST: No return  
 FE: No Blow, flushed, NB  
 FSI: No return  
 Rec: 62' Mud  
 IHP: 2059  
 IFP: 48-48  
 ISIP: 115  
 EFP: 40-49  
 FSIP: 92  
 FHP: 2025  
 BHT: 120°f  
 Survey @ 4245'-1°  
 DST#2 (4182-4245)  
 IS: 30:15:30  
 IF: 3' blow, diol 10min  
 IST: No return  
 FE: No Blow, flushed, NB  
 FSI: No return  
 Rec: 15' Mud

ISIP: 1120  
 FPP: 33-38  
 FSP: 997  
 FHP: 2041  
 BHT: 1190F



LS: gm-gry, f-wfxln, sl. foss, dense (NS) - (higher part of wh. is open to lower part of LS as above (dense))
SH: blk, carb
LS: cm-brn-gry, wfxln, mostly dense, rare f-wfxln, NSFO, sl. edge stn, sl. odor
SH: blk-brn-grn-gry-red
LS: wh-tan-gry, f-wfxln, dense sl. foss (NS) or about middle, SK
SH: multi.
LS: wh-tan-gry, wfxln, dense (NS)
SH: brn-red-grn
LS: as above
LS: cm-gry, wfxln, cherty, dense (NS)
SH: gry-gon-red-brn
LS: cm-brn-gry, wfxln, sl. cherty, dense (NS)
LS: wh-gry, f-wfxln, cherty, dense (NS)
SH: blk-gry
SH: blk, carb
LS: wh-brn, wfxln, sl. foss, cherty, dense (NS)
SH: blk, carb
LS: gm-tan, wfxln, dense, sl. cherty, abundant fresh shamp Δ, (NS)





5" 10" 15" 20" 25"

DRILLING TIME Minutes/Foot

Rate of Penetration Decreases

DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

CONTRACTOR H2 Drilling LLC Rig #2  
LEASE Paul Beckman A#1-14 IP IP  
ELEVATION 2913' KB RTD 4600'

LOCATION 2070' ESK & 830' FWL  
SEC 14 TWP 10 S RNG 31 W  
COUNTY Thomas STATE Kansas



*Mark Parkinson, Governor  
Thomas E. Wright, Chairman  
Joseph F. Harkins, Commissioner  
Ward Loyd, Commissioner*

December 10, 2010

LEROY HOLT  
Russell Oil, Inc.  
PO BOX 8050  
EDMOND, OK 73083

Re: ACO1  
API 15-193-20777-00-00  
Paul Beckman A 1-14  
SE/4 Sec.14-10S-31W  
Thomas County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
LEROY HOLT