



**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: \_\_\_\_\_



1055560

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 Bbls.	Gas Mcf	Water Bbls.	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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Grecian Trust 1-30
Doc ID	1055560

All Electric Logs Run

DUAL INDUCTION
BOREHOLE SONIC
MICRORESISTIVITY
DUAL COMPENSTATE POROSITY

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Grecian Trust 1-30
Doc ID	1055560

Tops

Name	Top	Datum
ANHYDRITE	1735	+525
BASE ANHYDRITE	1785	+473
TOPEKA	3292	-1032
HEEBNER	3504	-1244
TORONTO	3527	-1267
LANSING KC	3543	-1283
BASE KC	3760	-1490
ARBUCKLE	3940	-1680

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



phone: 316-337-6200  
fax: 316-337-6211  
<http://kcc.ks.gov/>

Thomas E. Wright, Chairman  
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

May 11, 2011

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

Re: ACO1  
API 15-065-23710-00-00  
Grecian Trust 1-30  
NE/4 Sec.30-10S-21W  
Graham 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

# GEOLOGICAL REPORT

DRILLING TIME

S.D. ANGLE - COPYRIGHT 2011

SAMPLE LOG

COMPANY Russell Oil, Inc.  
LEASE Greccian Trust  
WELL NO. 1-30  
LOCATION 330' FNA + 330' FEH  
SEC 30 TWN 105 RNG 21 W  
COUNTY Graham STATE Kansas  
POOL Wheeler south extension  
API NO. 15-065-23710-00-00

## ELEVATIONS

KB 2260'  
DF 2258'  
GL 2250'

MEASUREMENT FROM  
Top Kelly Bushing  
PIPE STRAP 3696'  
.48' short to  
Board

CONTRACTOR Southwind Drilling Rig 1  
COMMENCED January 28, 2011  
COMPLETED February 7, 2011  
RTD 4000' @ 7:30 P.M. on 2-7-11  
MUD Andy's Mud + Chemicals  
SAMPLES FROM 3200' TO 4000'  
DRILLING TIME FROM 3200' TO 4000'  
SUPERVISION FROM 3200' TO 4000'  
GEOLOGIST STEVEN D. ANGLE

## CASING RECORD "

SURFACE New 8 5/8  
Set @ 239.84 w/  
160 SX COMM. +  
390cc, 2706el. CDC

PRODUCTION None

REMARKS Deviation: 3696' - 1 1/4°, 4000' - 1°

All formation tops, zones of interest, porosity, shows and sample time lag are based from the top of Kelly Bushing measurements. Any corrections in measurements during the drilling of this well have been incorporated into this report.

ORIGINAL

Sincerely,

COPY

Steven D. Angle

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S.D. Angle - Copyright 2011



**DRILLING INFORMATION**

DRILLING CONTR: Southwin Drilling Rig #1  
 RIG PHONE: 620-794-0275  
 TOOL PUSHER: Frank Rome  
 PHONE: 620-566-7324  
 DRILLERS - DAYLIGHT TOUR: Kevin Belcher  
 EVENING TOUR: Jimmy Little  
 MORNING TOUR: Ken Thompson  
 SPUD DATE: 1-28-2011 DATE OF RTD: 2-7-2011  
 SITE DIRECTIONS: Approx 17 miles north of Ellis, KS,  
 To CC Ref, West 2 miles, south into location,  
 SURFACE PIPE: New 20" 858' SET @ 279,84' w/160 SX  
 Conn, 376 CC, 276 CC, Cement did cure to surface.  
 WELL STATUS: Dry + Abandoned  
 PRODUCTION CASING: None

DRILLING MUD CONTR: Andy Muel, ENGR: Ken Rupp  
 Cell # 785-635-6445  
 DRILL STEM TESTING: Inhibite Testing, 800-988-5369  
 Engineer: Dustin Rosh, cell: 785-623-0475  
 CEMENTING: Surface Pipe: Allied Cementing,  
 ELECTRIC LOGGING: AOG-TECH, ADQS: Dual Induction  
 Sonic, Microresistivity, Compensated Neutron  
 Density. Ph. 785-625-7313,  
 Engineers: J. Schuler

**BIT RECORD**

NO.	PURPOSE	SIZE	MAKE	TYPE	IN	OUT	JETS	PUMP
1	Surface	1 3/4"	Rend	Full	0'	248'		320#
1	Bore	7 7/8"	REED	S-52	248'	3696'	1515.14	950#
2	Bore	7 7/8"	REED	S-52	3696'	4000'	1515.14	950#

DST NO. 1 INTERVAL 3628 TO 3696 TYPE Anchor 68 TIMES 25-60-15-30  
 Blow: weak blow built to 1/4", Died in 28 minutes, ST, No return.  
 Rec: No blow, Flashed tool, No blow, ST, No return.  
 5' mud.

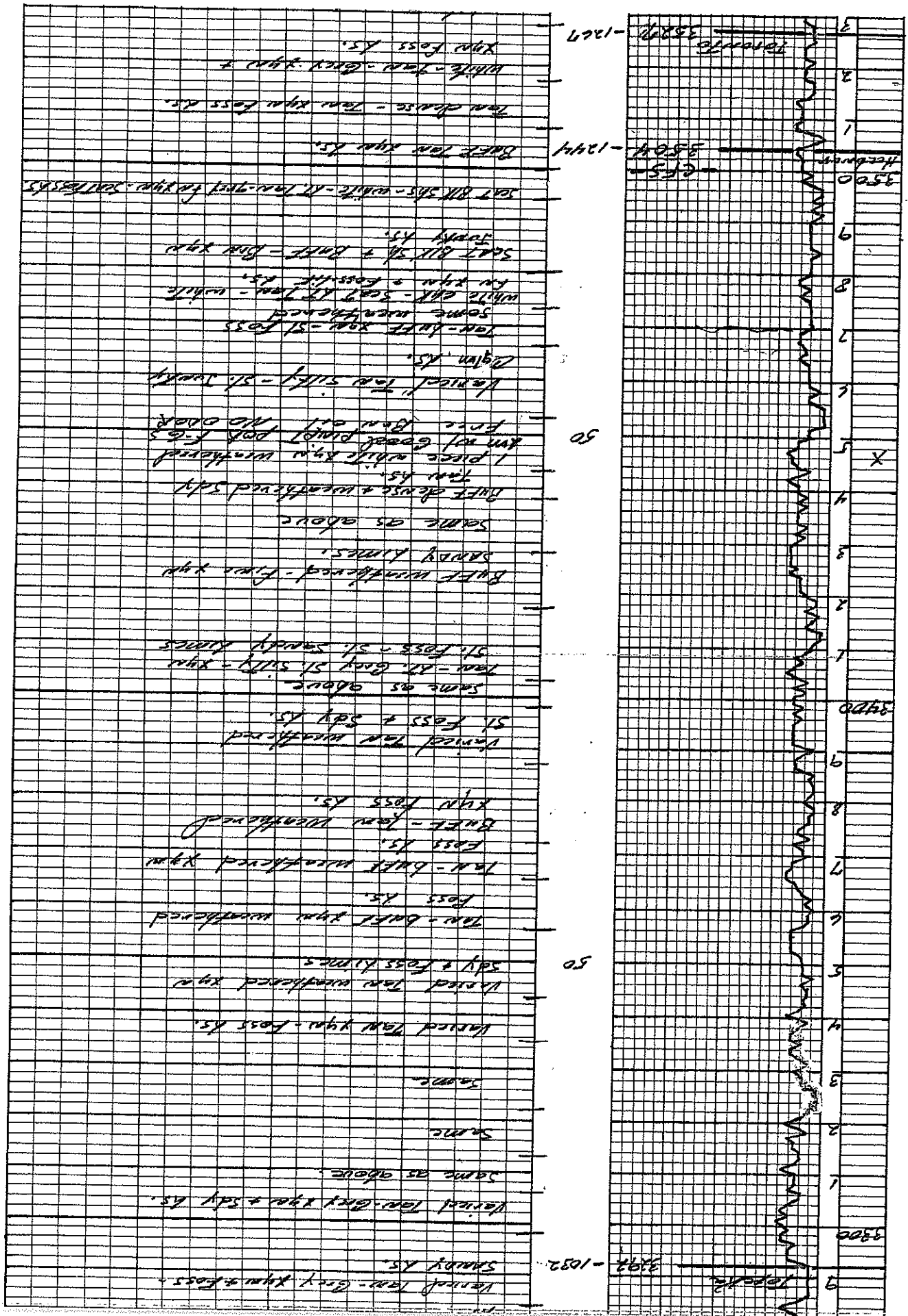
DST NO. 2 INTERVAL 3696 TO 3760 TYPE Anchor 64 TIMES 45-60-15-60  
 Blow: Very weak blow surface bubbles died in 47 minutes, ST,  
 No return, No blow, Flashed, no help, ST, No return.  
 Rec: 5' mud.

DST NO. 3 INTERVAL 3760 TO 3860 TYPE Anchor 120 TIMES 30-30-15-30  
 Blow: weak surface bubbles, Died in 4 minutes, Flashed tool, ST, No return.  
 Rec: No blow, ST, No return.  
 12' mud.

IF/FF 32-34 SIF/SFF 32-34 IS/FSI 225-442 IH/FH 1835-1994 Temp: 107°F  
 IF/FF 50-57 SIF/SFF 57-57 IS/FSI 295-242 IH/FH 1905-1878 Temp: 105°F



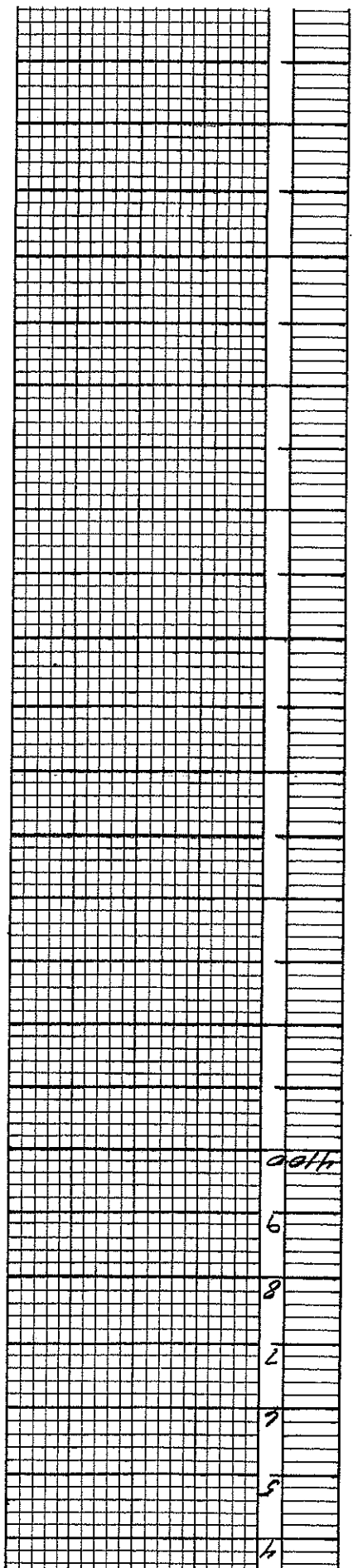
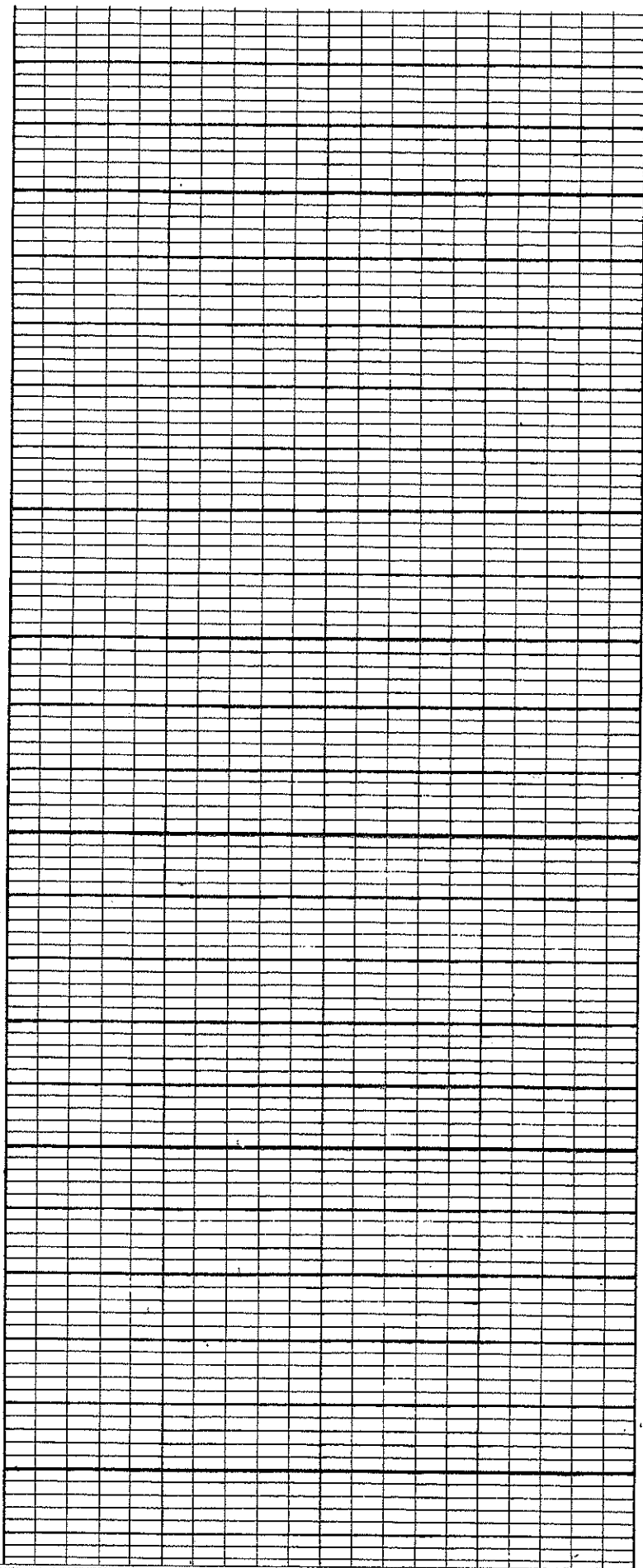




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# ALLIED CEMENTING CO., LLC. 034094

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Russell Ks.

DATE <u>2-8-2011</u>	SEC. <u>30</u>	TWP. <u>10</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>1:30 AM</u>	JOB FINISH <u>2:00 PM</u>
LEASE <u>PRECIAH ST</u>	WELL # <u>1-3</u>	LOCATION <u>Gallatin Ks, 10 N 2E</u>				COUNTY <u>GIRARD</u>	STATE <u>KANSAS</u>
OLD OR NEW (Circle one)		<u>2 N 1/4 W 1/4 S INTO</u>					

CONTRACTOR <u>SOUTH WIND DRILL RIG #1</u>	OWNER
TYPE OF JOB <u>Rotary Plug</u>	CEMENT
HOLE SIZE <u>7 7/8</u>	T.D. <u>4,000'</u>
CASING SIZE <u>8 5/8 SURFACE</u>	DEPTH <u>224'</u>
TUBING SIZE	DEPTH <u>1/4 # FLO Seal</u>
DRILL PIPE <u>4 1/2 x 4</u>	DEPTH <u>3930'</u>
TOOL	DEPTH
PRES. MAX	MINIMUM <input checked="" type="checkbox"/>
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	COMMON @
PERFS.	POZMIX @
DISPLACEMENT	GEL @
	CHLORIDE @
	ASC @
	PER SK.

**EQUIPMENT**

PUMP TRUCK # <u>398</u>	CEMENTER <u>GLENN</u>
	HELPER <u>RON</u>
BULK TRUCK # <u>481</u>	DRIVER <u>TODD TWS/Tony</u>
BULK TRUCK #	DRIVER

**REMARKS:**

25 SK @ 3920'  
25 SK @ 1750'  
100 SK @ 950'  
40 SK @ 290'  
10 SK @ 40' + Wiper Plug  
30 SK @ RATHOLE

THANKS

CHARGE TO: Russell Oil Inc.  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL \_\_\_\_\_

**SERVICE**

DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
MANIFOLD	@
	@
	@

TOTAL \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

<u>8 5/8 WOODEN 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.

SALES TAX (If Any)	
TOTAL CHARGES	
DISCOUNT	
IF PAID IN 30 DAYS	

PRINTED NAME Frank Rome  
SIGNATURE Frank Rome









**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Russell Oil, Inc.

**Grecian Trust #1-30**

P.O. Box 8050  
Edmond, OK 73083

**30/10S/21W-Graham**

ATTN: Steve Angle

Job Ticket: 41836

**DST#: 1**

Test Start: 2011.02.04 @ 15:50:57

## GENERAL INFORMATION:

Formation: **LKC "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:21:27

Time Test Ended: 20:57:57

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 54

**Interval: 3628.00 ft (KB) To 3696.00 ft (KB) (TVD)**

Reference Elevations: 2261.00 ft (KB)

Total Depth: 3696.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 8673 Outside**

Press @ Run Depth: 32.90 psig @ 3663.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.02.04

End Date:

2011.02.04

Last Calib.:

2011.02.04

Start Time:

15:50:59

End Time:

20:57:57

Time On Btm:

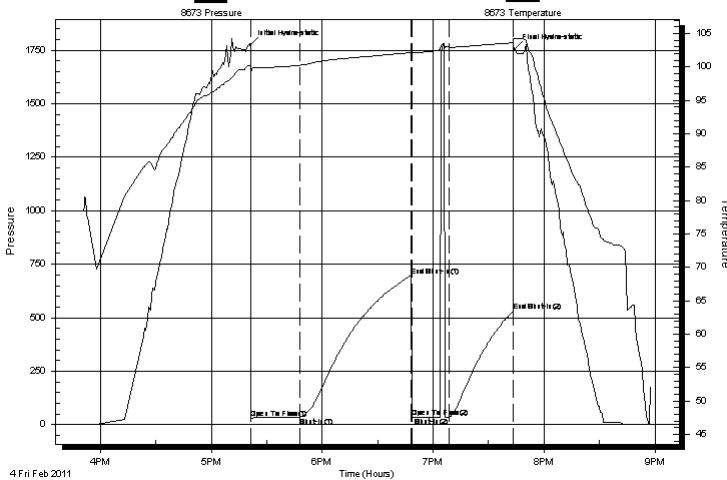
2011.02.04 @ 17:21:12

Time Off Btm:

2011.02.04 @ 19:44:12

**TEST COMMENT:** IF-Weak blow . Built 1/4 inch. Died @ 22 minutes. Shut in tool.  
ISI-No Return.  
FF-No blow . Flushed tool. No blow .  
FSI-No Return.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1775.06	100.24	Initial Hydro-static
1	28.27	99.00	Open To Flow (1)
27	33.47	100.23	Shut-In(1)
87	696.35	102.13	End Shut-In(1)
88	32.50	101.94	Open To Flow (2)
108	32.90	102.95	Shut-In(2)
142	529.47	103.60	End Shut-In(2)
143	1755.70	104.21	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%Mud	0.07

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil, Inc.

**Grecian Trust #1-30**

P.O. Box 8050  
Edmond, OK 73083

**30/10S/21W-Graham**

Job Ticket: 41836

**DST#: 1**

ATTN: Steve Angle

Test Start: 2011.02.04 @ 15:50:57

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100%Mud	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

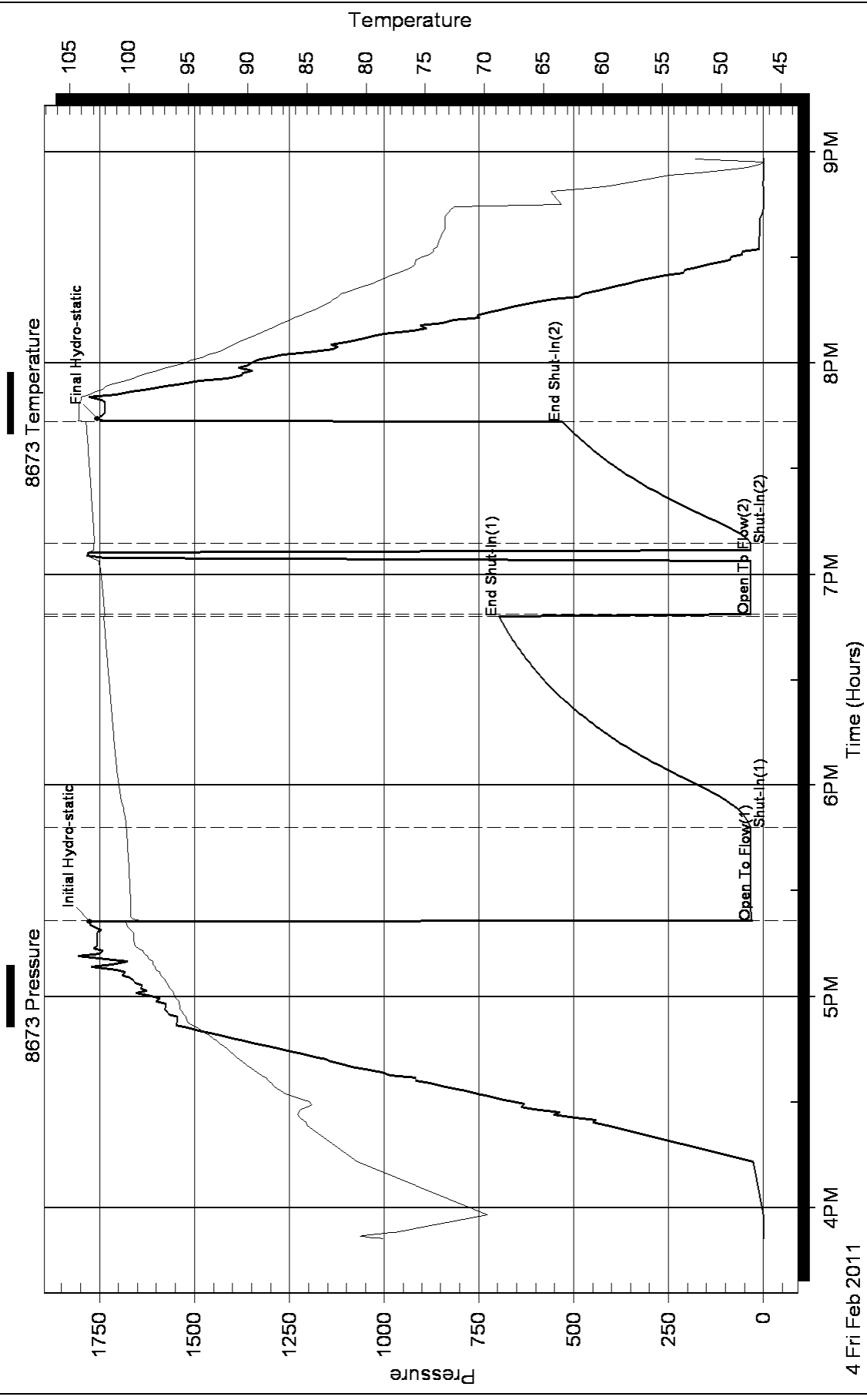
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Russell Oil, Inc.

**Grecian Trust #1-30**

P.O. Box 8050  
Edmond, OK 73083

**30/10S/21W-Graham**

ATTN: Steve Angle

Job Ticket: 41837

**DST#: 2**

Test Start: 2011.02.05 @ 07:03:43

## GENERAL INFORMATION:

Formation: **LKC "J,K&L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:41:28

Time Test Ended: 13:16:28

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 54

**Interval: 3696.00 ft (KB) To 3760.00 ft (KB) (TVD)**

Reference Elevations: 2261.00 ft (KB)

Total Depth: 3760.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 6755 Outside**

Press @ Run Depth: 33.57 psig @ 3731.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.02.05 End Date: 2011.02.05

Last Calib.: 2011.02.05

Start Time: 07:03:45 End Time: 13:16:28

Time On Btm: 2011.02.05 @ 08:41:13

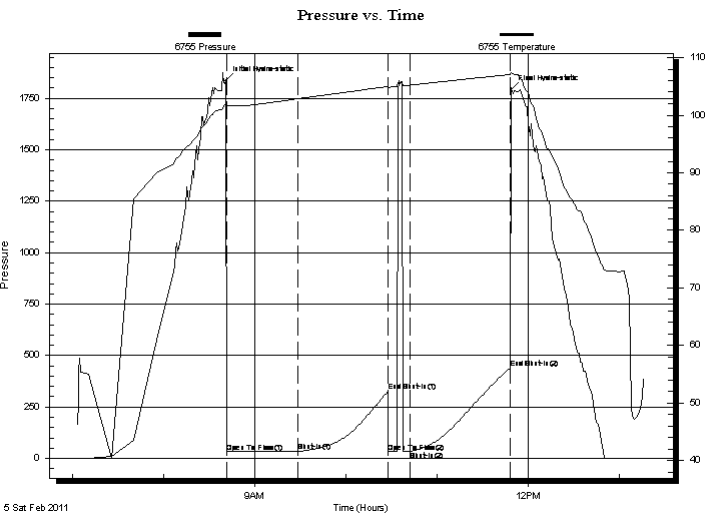
Time Off Btm: 2011.02.05 @ 11:48:58

**TEST COMMENT:** IF-Very weak blow . Surface bubbles. Died @ 42 minutes.

ISI-No Return.

FF-No blow .

FSI-No Return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1835.15	101.90	Initial Hydro-static
1	31.77	101.32	Open To Flow (1)
47	33.53	102.83	Shut-In(1)
107	324.86	104.96	End Shut-In(1)
107	31.65	104.72	Open To Flow (2)
121	33.57	105.22	Shut-In(2)
187	440.40	107.04	End Shut-In(2)
188	1793.56	107.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.07

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil, Inc.

**Grecian Trust #1-30**

P.O. Box 8050  
Edmond, OK 73083

**30/10S/21W-Graham**

Job Ticket: 41837

**DST#: 2**

ATTN: Steve Angle

Test Start: 2011.02.05 @ 07:03:43

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

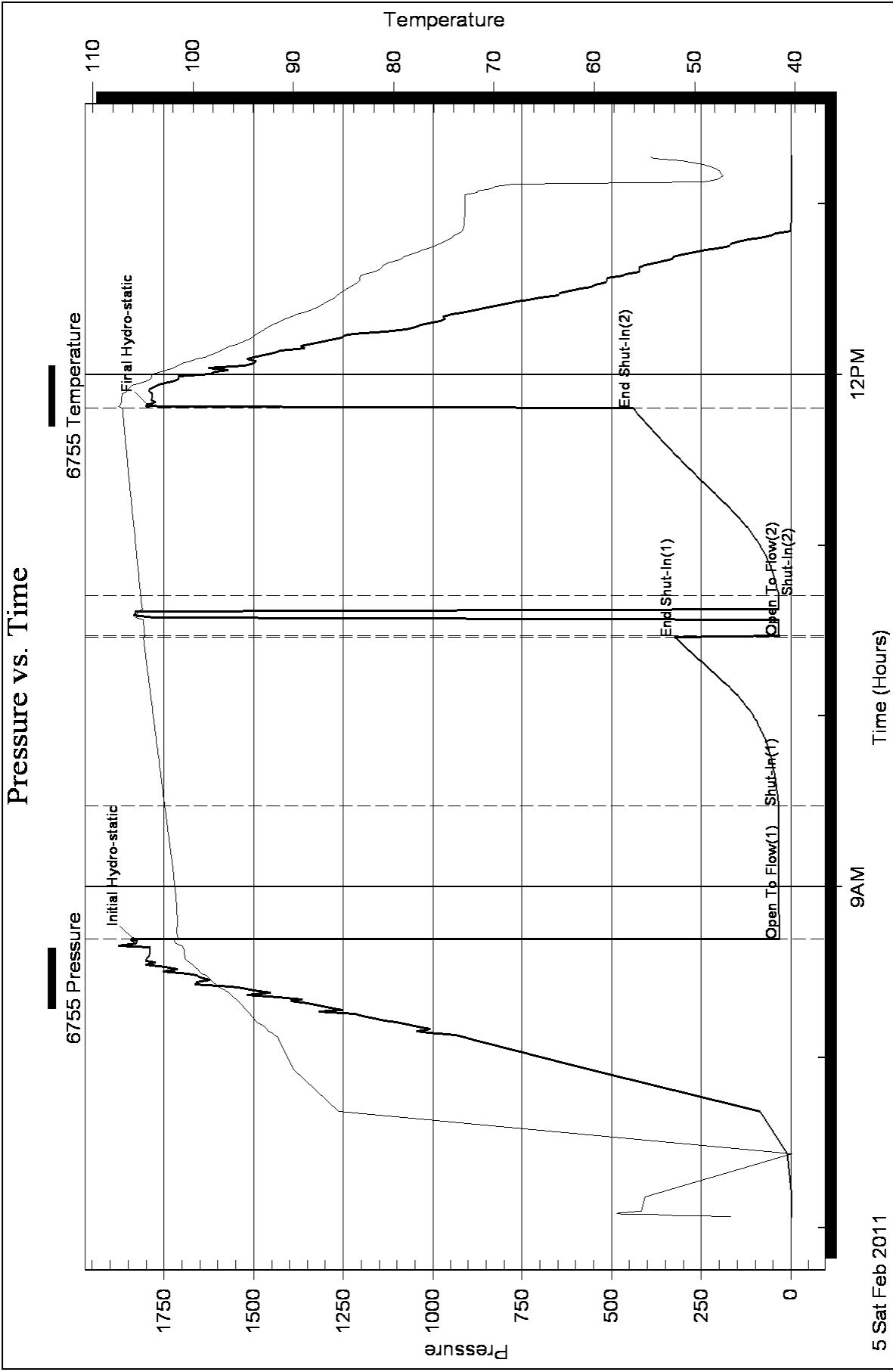
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Russell Oil, Inc.

P.O. Box 8050  
Edmond, OK 73083

ATTN: Steve Angle

**Grecian Trust #1-30**

**30/10S/21W-Graham**

Job Ticket: 41838

**DST#: 3**

Test Start: 2011.02.06 @ 02:27:02

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:11:17

Time Test Ended: 07:56:17

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 54

**Interval: 3760.00 ft (KB) To 3860.00 ft (KB) (TVD)**

Reference Elevations: 2261.00 ft (KB)

Total Depth: 3860.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 8673**

**Inside**

Press @ Run Depth: 56.98 psig @ 3826.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.02.06

End Date: 2011.02.06

Last Calib.: 2011.02.06

Start Time: 02:27:04

End Time: 07:56:17

Time On Btm: 2011.02.06 @ 04:11:02

Time Off Btm: 2011.02.06 @ 06:07:17

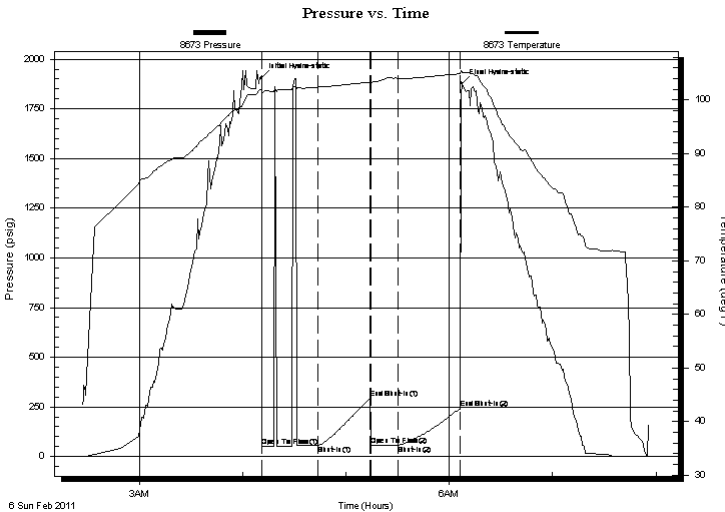
**TEST COMMENT:** IF-Weak surface bubbles. Died @ 4 minutes. Flushed tool tw ice.

ISI-No Return.

FF-No blow.

FSI-No Return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1905.22	101.99	Initial Hydro-static
1	50.20	101.18	Open To Flow (1)
33	56.77	102.36	Shut-In(1)
63	294.74	103.34	End Shut-In(1)
64	56.57	103.26	Open To Flow (2)
79	56.98	104.02	Shut-In(2)
116	241.58	104.88	End Shut-In(2)
117	1877.54	105.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
12.00	100%Mud	0.17

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil, Inc.

**Grecian Trust #1-30**

P.O. Box 8050  
Edmond, OK 73083

**30/10S/21W-Graham**

Job Ticket: 41838

**DST#: 3**

ATTN: Steve Angle

Test Start: 2011.02.06 @ 02:27:02

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
12.00	100%Mud	0.168

Total Length: 12.00 ft      Total Volume: 0.168 bbl

Num Fluid Samples: 0

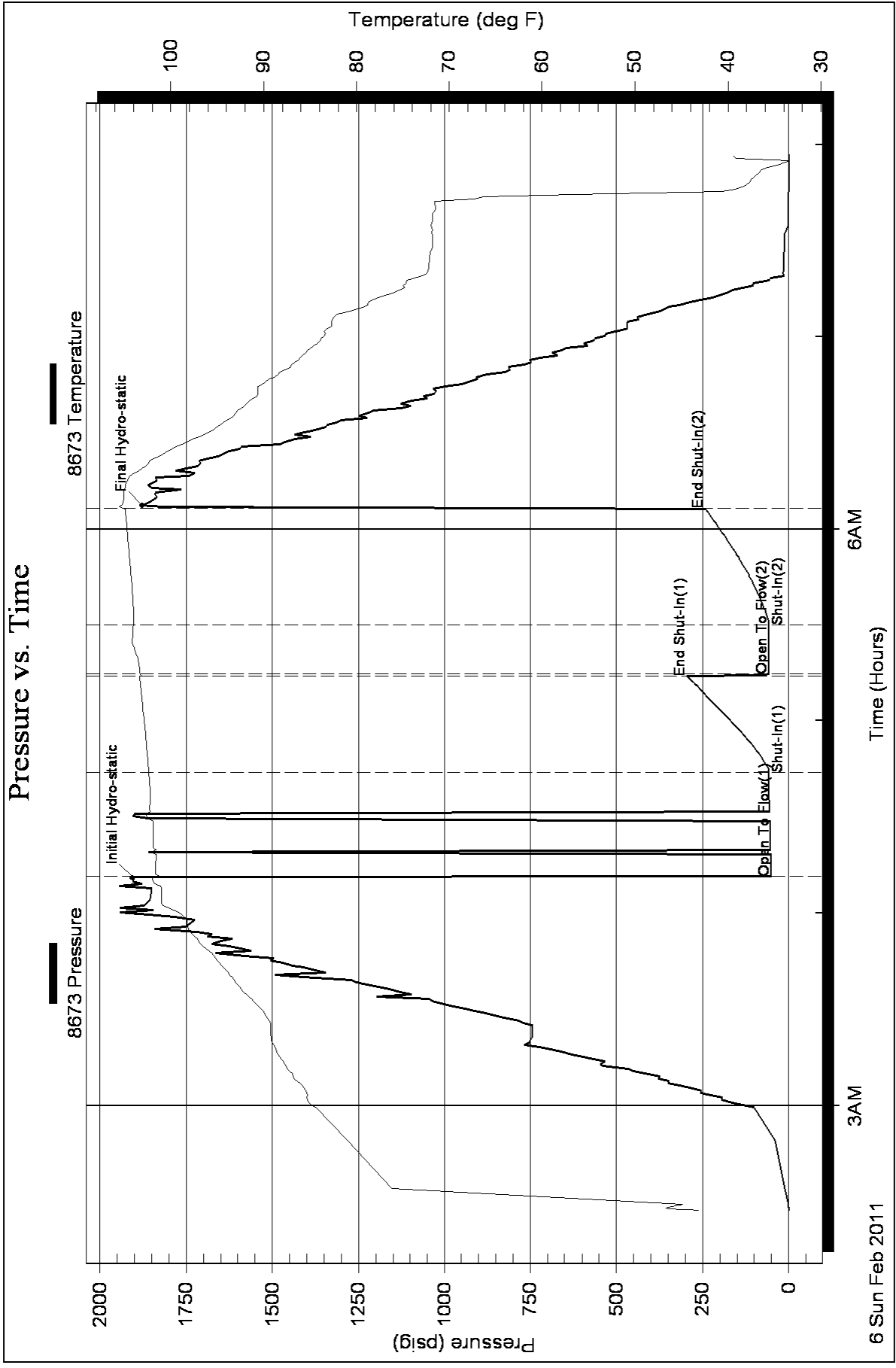
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Russell Oil, Inc.

**Grecian Trust #1-30**

P.O. Box 8050  
Edmond, OK 73083

**30/10S/21W-Graham**

ATTN: Steve Angle

Job Ticket: 41839

**DST#: 4**

Test Start: 2011.02.07 @ 04:01:44

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:47:29

Time Test Ended: 09:29:29

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 54

**Interval: 3860.00 ft (KB) To 3945.00 ft (KB) (TVD)**

Reference Elevations: 2261.00 ft (KB)

Total Depth: 3945.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

**Serial #: 8673**

**Inside**

Press @ Run Depth: 54.97 psig @ 3926.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.02.07

End Date:

2011.02.07

Last Calib.: 2011.02.07

Start Time: 04:01:46

End Time:

09:29:29

Time On Btm: 2011.02.07 @ 05:47:14

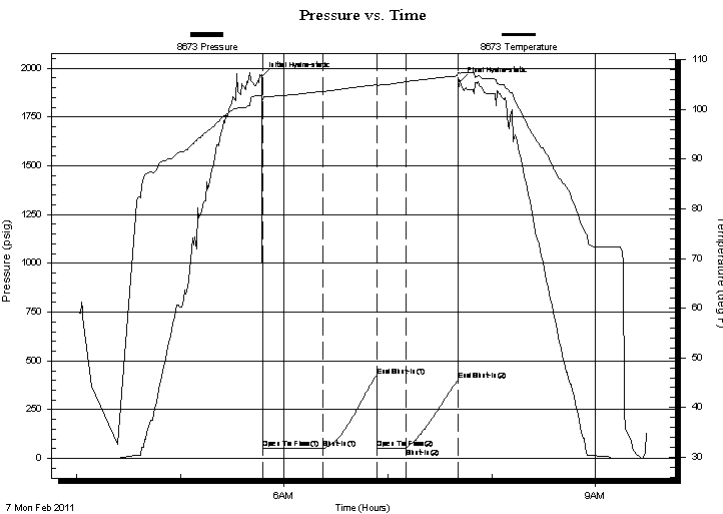
Time Off Btm: 2011.02.07 @ 07:41:29

**TEST COMMENT:** IF-Very weak surface bubbles. Died @ 10 minutes.

ISI-No Return

FF-No blow.

FSI-No Return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1957.73	102.77	Initial Hydro-static
1	50.27	101.92	Open To Flow (1)
36	52.93	103.58	Shut-In(1)
67	422.99	104.97	End Shut-In(1)
67	52.29	104.78	Open To Flow (2)
83	54.97	105.56	Shut-In(2)
113	400.02	106.74	End Shut-In(2)
115	1932.38	107.28	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
8.00	100%Mud	0.11

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Russell Oil, Inc.

**Grecian Trust #1-30**

P.O. Box 8050  
Edmond, OK 73083

**30/10S/21W-Graham**

Job Ticket: 41839

**DST#: 4**

ATTN: Steve Angle

Test Start: 2011.02.07 @ 04:01:44

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	100%Mud	0.112

Total Length: 8.00 ft      Total Volume: 0.112 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

