



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1152000
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1152000

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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	Edwards Trust A 1-32
Doc ID	1152000

All Electric Logs Run

COMPUTER PROCESSED INTERPRETATION
DUAL INDUCTION
DUAL COMPENSATED POROSITY
MICRORESISTIVITY
BOREHOLE COMPENSTED SONIC

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Edwards Trust A 1-32
Doc ID	1152000

Tops

Name	Top	Datum
ANHYDRITE	2380	+667
BASE ANHYDRITE	2397	+650
TOPEKA	3637	-590
HEEBNER	3872	-825
TORONTO	3892	-845
LANSING	3921	-874
MUNCIE CREEK	4098	-151
STARK SHALE	4190	-1143
BASE KC	4272	-1225
MARMATON	4322	-1275
ALTAMONT C	4372	-1325
PAWNEE	4416	-1369
FT SCOTT	4460	-1413
CHEROKEE SHALE	4488	-1441
JOHNSON	4542	-1495
MISSISSIPPI	4676	-1629



CONSOLIDATED
Oil Well Services, LLC

258426

TICKET NUMBER 39354
LOCATION Oakley KS
FOREMAN Miles Shaw

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
4-30-13	7043	Edwards trust A #1-32	32	15S	34W	Logan
CUSTOMER <u>Russell Oil</u>			Perce US 2W 4N E.S			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			405	Jerry Y		
STATE			530129	Jordan L		
ZIP CODE			400	Ed W		

JOB TYPE 2 Stage HOLE SIZE 7 7/8 HOLE DEPTH 4730' CASING SIZE & WEIGHT 5 1/2" 15.5 #
 CASING DEPTH 4722' DRILL PIPE _____ TUBING _____ OTHER DV/ @ 2426'
 SLURRY WEIGHT 14.2/12.5 SLURRY VOL 1.42/1.9 WATER gal/sk _____ CEMENT LEFT in CASING 43.3'
 DISPLACEMENT 112/58 bbl DISPLACEMENT PSI 800/900 MIX PSI 1400/1500 psi RATE _____

REMARKS: Safety meeting and rig upon H#3 drilling Run casing float equipment
Perforates on 2, 5, 8, 11, 14, 17, 55 Baskets 53 DV tool on top at 54 @ 2426'
Run casing to bottom circulate casing 1 hr. Pump 5 bbls water mud flush
5 bbls water mix 150 sks OWC (68 plaster, 108 salt, 28 gel) Shutdown Clear pump & lines
release plug displaced 12 bbls 5 1/2 bbls water 5 1/2 bbls mud with 800 psi lift plug land
& hold @ 1400 psi. Dropped dart opening test @ 800 psi open get circulation circulate casing
30 min. Pump 5 bbls water mix 445 sks 60/40 per 8 gel 1/4" hose seal Shutdown
Clear pump & lines release plug displace 5 bbls water with 900 psi lift plug land & hold
@ 1500 psi mix 30 sks RH Cement did circulate 30 bbls test
Thanks Miles & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	31.75 ⁰⁰	31.75 ⁰⁰
5406	40	MILEAGE	5.25	210. ⁰⁰
5407	27.47 Tons	Ton mix per delivery	1.75	1923. ²⁵
1126	150 sks	OWC cement	23.70	3555. ⁰⁰
1131	475 sks	60/40 per cement	15.86	7533. ⁵⁰
11104	750 #	1/4" seal	.56	420. ⁰⁰
11183	32 68 #	Bentonite gel	.27	882. ³⁶
1107	118 #	Flaseal	2.97	350. ⁴⁶
11446	500 gal	Mud Flush	1.00	500. ⁰⁰
4104	1	5 1/2" Basket	290. ⁰⁰	290. ⁰⁰
436	7	5 1/2" Tacklers	86. ⁰⁰	602. ⁰⁰
4159	1	5 1/2" AFU float shoe	433.75	433.75
4277	1	5 1/2" DV Tool W	4800. ⁰⁰	4800. ⁰⁰
4454	1	5 1/2" Tack down plug	318.25	318.25
1142A	4 gel	KCL	41.10	164.40
		Subtotal		25157. ⁹²
		less 10% discount		2515.79
		Subtotal		22642.13
		SALES TAX		1393.44
		ESTIMATED TOTAL		24035.57

Completed

Ravin 3737

AUTHORIZATION Todd Brown TITLE _____ 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

Russell Oil Inc.
 P.O. Box 8050
 Edmond, OK 73083
 ATTN: Kitt Noah

32 - 15S - 34W
Edwards Trust A 1-32
 Job Ticket: 50734 **DST#: 1**
 Test Start: 2013.04.24 @ 00:26:00

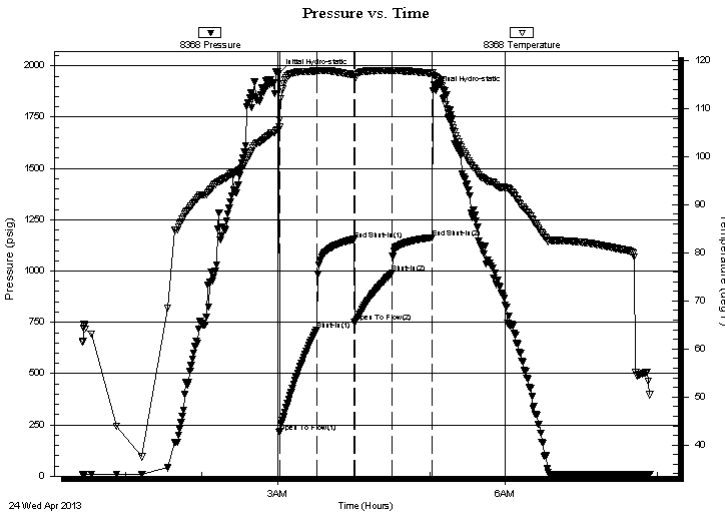
GENERAL INFORMATION:

Formation: **LKC "E-F"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 03:01:30 Tester: Ryan Nichols
 Time Test Ended: 07:54:30 Unit No: 55
 Interval: **4002.00 ft (KB) To 4044.00 ft (KB) (TVD)** Reference Elevations: 3053.00 ft (KB)
 Total Depth: 4044.00 ft (KB) (TVD) 3041.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 8368 Outside
 Press @ Run Depth: 989.64 psig @ 4003.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.04.24 End Date: 2013.04.24 Last Calib.: 2013.04.25
 Start Time: 00:26:05 End Time: 07:54:29 Time On Btm: 2013.04.24 @ 03:00:45
 Time Off Btm: 2013.04.24 @ 05:02:45

TEST COMMENT: 30 IF - Bob in 1 min
 30 ISI - No return
 30 FF - Bob in 1 min
 30 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1963.87	105.63	Initial Hydro-static
1	212.37	106.10	Open To Flow (1)
30	711.64	117.78	Shut-In(1)
60	1153.54	117.02	End Shut-In(1)
60	748.86	116.64	Open To Flow (2)
90	989.64	117.82	Shut-In(2)
122	1163.44	117.33	End Shut-In(2)
122	1878.98	117.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1999.00	MCW - 5%M - 95%W	25.22
140.00	WCM - 40%W - 60%M	1.96

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc.

32 - 15S - 34W

P.O. Box 8050
Edmond, OK 73083

Edwards Trust A 1-32

Job Ticket: 50734

DST#: 1

ATTN: Kitt Noah

Test Start: 2013.04.24 @ 00:26:00

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:

3700 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1999.00	MCW - 5%M - 95%W	25.217
140.00	WCM - 40%W - 60%M	1.964

Total Length: 2139.00 ft Total Volume: 27.181 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

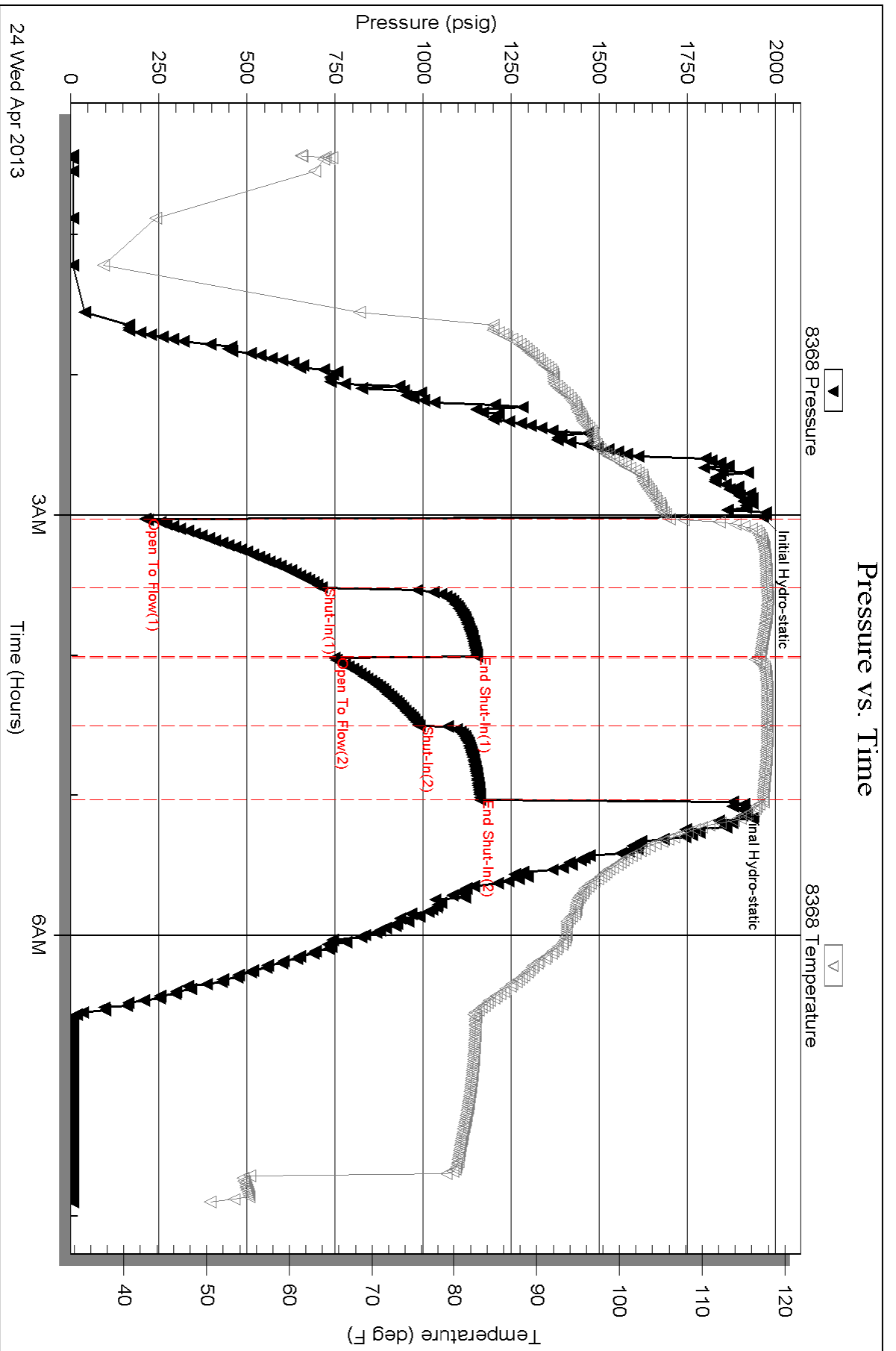
Serial #:

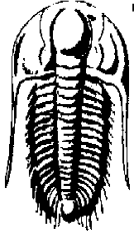
Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .421 @ 29 DEG F

Chlorides = 3700 ppm





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil Inc.
P.O. Box 8050
Edmond, OK 73083
ATTN: Kitt Noah

32 - 15S - 34W

Edwards Trust A 1-32

Job Ticket: 50735

DST#: 2

Test Start: 2013.04.26 @ 18:26:15

GENERAL INFORMATION:

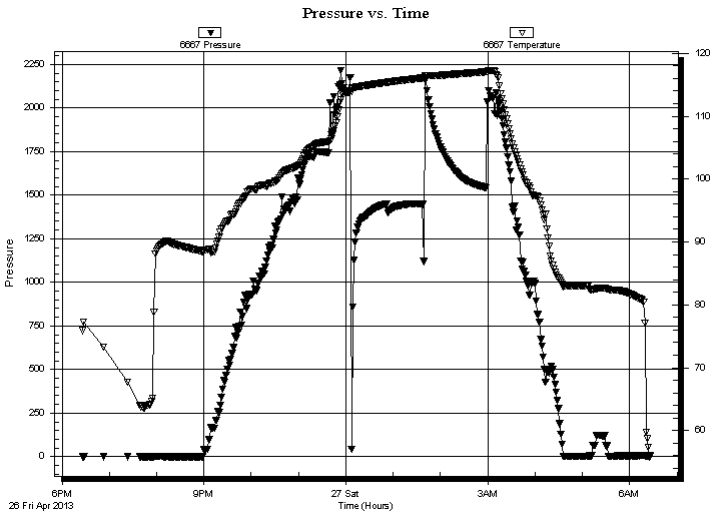
Formation: **Marm " C "**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: Tester: Ryan Nichols
 Time Test Ended: 06:26:00 Unit No: 55
Interval: 4366.00 ft (KB) To 4400.00 ft (KB) (TVD) Reference Elevations: 3053.00 ft (KB)
 Total Depth: 4400.00 ft (KB) (TVD) 3041.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 6667

Press @ RunDepth: psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.04.26 End Date: 2013.04.27 Last Calib.: 2013.04.27
 Start Time: 18:26:15 End Time: 06:26:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: 45 IF - Surface blow died @ 33 mins. (in diesel)
 45 ISI - No return
 30 FF - No blow , flushed tool, no blow
 45 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc.

32 - 15S - 34W

P.O. Box 8050
Edmond, OK 73083

Edwards Trust A 1-32

Job Ticket: 50735

DST#: 2

ATTN: Kitt Noah

Test Start: 2013.04.26 @ 18:26:15

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

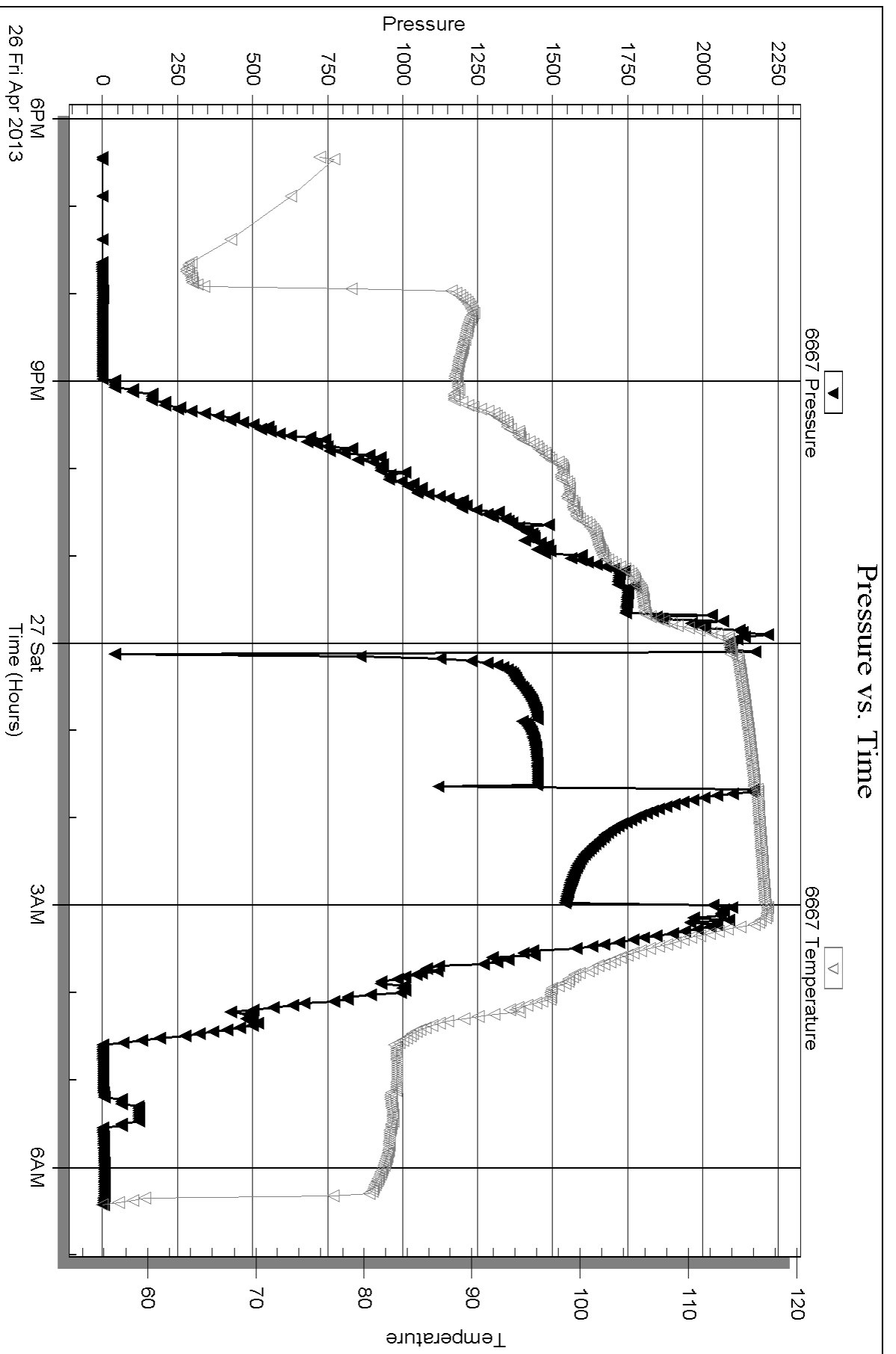
Num Gas Bombs: 0

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: Kitt Noah

32 - 15S - 34W
Edwards Trust A 1-32
 Job Ticket: 53203 **DST#: 3**
 Test Start: 2013.04.27 @ 11:44:21

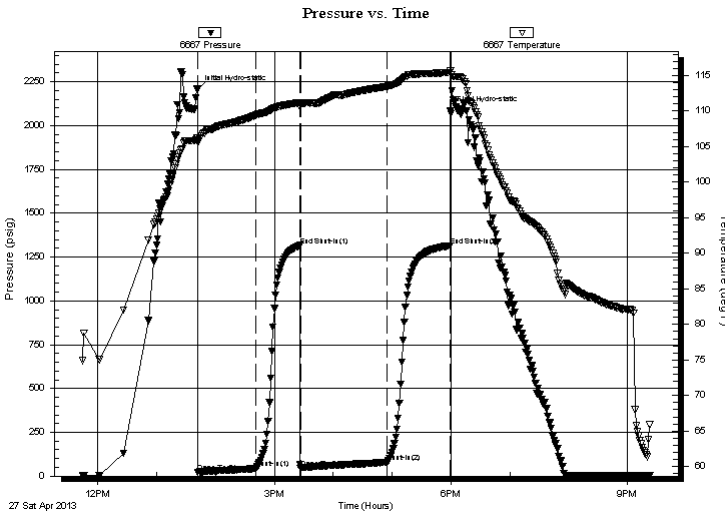
GENERAL INFORMATION:

Formation: **Marmaton "C"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 13:41:51 Tester: Shane McBride
 Time Test Ended: 21:22:36 Unit No: 55
 Interval: **4366.00 ft (KB) To 4400.00 ft (KB) (TVD)** Reference Elevations: 3053.00 ft (KB)
 Total Depth: 4400.00 ft (KB) (TVD) 3041.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 6667 Inside
 Press @ Run Depth: 78.45 psig @ 4367.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.04.27 End Date: 2013.04.27 Last Calib.: 2013.04.27
 Start Time: 11:44:36 End Time: 21:22:36 Time On Btm: 2013.04.27 @ 13:41:36
 Time Off Btm: 2013.04.27 @ 17:59:21

TEST COMMENT: IF-Fair blow built to 5 1/2 in.
 IS-Dead no blow
 FF-B.O.B. in 75 in.
 FS-Dead no blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2205.73	106.28	Initial Hydro-static
1	21.45	105.77	Open To Flow (1)
60	43.19	109.42	Shut-In(1)
105	1315.96	111.19	End Shut-In(1)
105	46.06	110.90	Open To Flow (2)
194	78.45	113.46	Shut-In(2)
257	1314.88	115.41	End Shut-In(2)
258	2087.07	115.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	20%M 30%O 50%G	0.30
60.00	5%M 15%G 80%O	0.30
30.00	20%G 80%O	0.15
0.00	402 G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc.

32 - 15S - 34W

P.O. Box 8050
Edmond, OK 73083

Edwards Trust A 1-32

Job Ticket: 53203

DST#: 3

ATTN: Kitt Noah

Test Start: 2013.04.27 @ 11:44:21

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	20%M 30%O 50%G	0.295
60.00	5%M 15%G 80%O	0.295
30.00	20%G 80%O	0.148
0.00	402 G.I.P.	0.000

Total Length: 150.00 ft

Total Volume: 0.738 bbl

Num Fluid Samples: 0

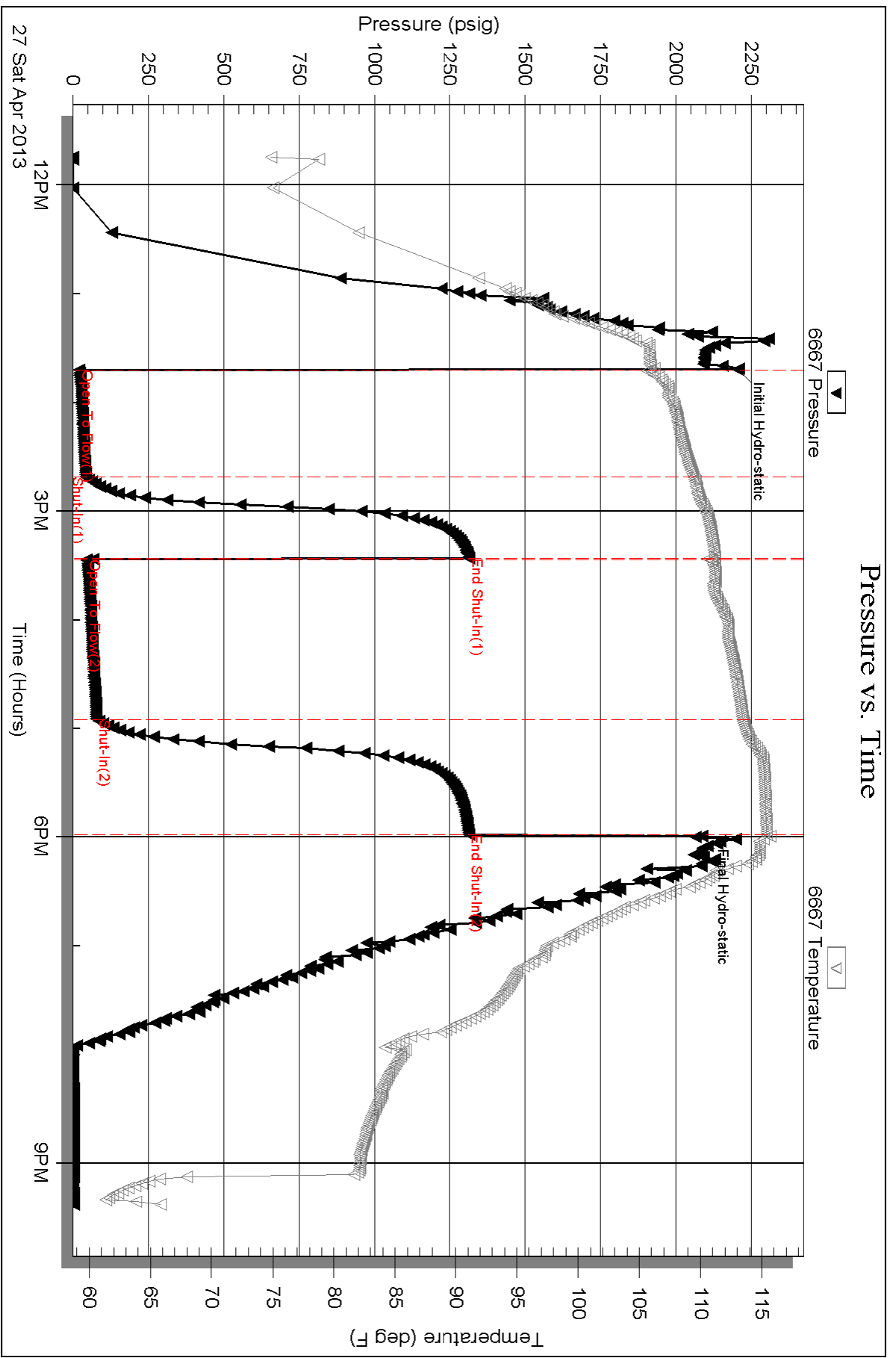
Num Gas Bombs: 0

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: Kitt Noah

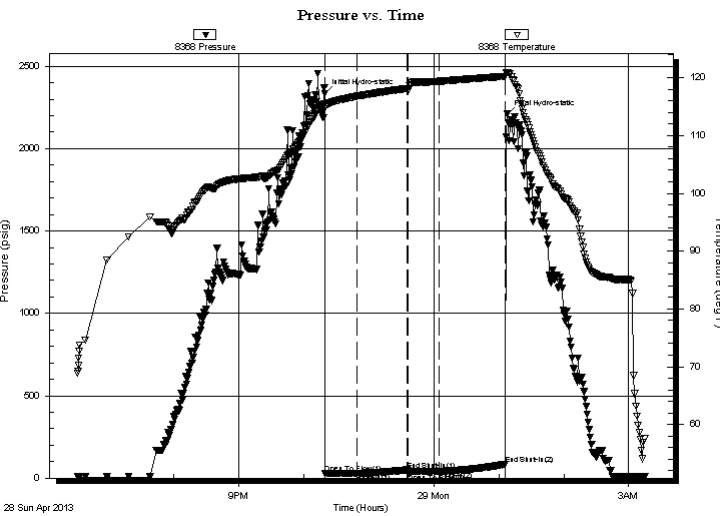
32-15s-34w Logan, Ks
Edwards Trust A 1-32
Job Ticket: 49197 **DST#: 4**
Test Start: 2013.04.28 @ 18:30:56

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 22:19:21
Time Test Ended: 03:14:51
Interval: **4537.00 ft (KB) To 4560.00 ft (KB) (TVD)**
Total Depth: 4560.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Shane McBride
Unit No: 55
Reference Elevations: 3047.00 ft (KB)
3035.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8368 Outside
Press @ Run Depth: 41.33 psig @ 4538.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.04.28 End Date: 2013.04.29 Last Calib.: 2013.04.29
Start Time: 18:30:56 End Time: 03:14:51 Time On Btm: 2013.04.28 @ 22:19:06
Time Off Btm: 2013.04.29 @ 01:07:36

TEST COMMENT: Weak surface blow died in 22 min.
No return
No blow, flush tool, no blow
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2333.95	115.55	Initial Hydro-static
1	27.90	114.72	Open To Flow (1)
31	29.74	116.81	Shut-In(1)
76	50.02	118.16	End Shut-In(1)
77	27.77	118.16	Open To Flow (2)
106	41.33	119.39	Shut-In(2)
167	83.57	120.26	End Shut-In(2)
169	2208.50	120.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w /oil spots 100%m	0.02
0.00	show of free oil in tool	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc.

32-15s-34w Logan, Ks

P.O. Box 8050
Edmond, OK 73083

Edwards Trust A 1-32

Job Ticket: 49197

DST#: 4

ATTN: Kitt Noah

Test Start: 2013.04.28 @ 18:30:56

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w /oil spots 100%m	0.025
0.00	show of free oil in tool	0.000

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

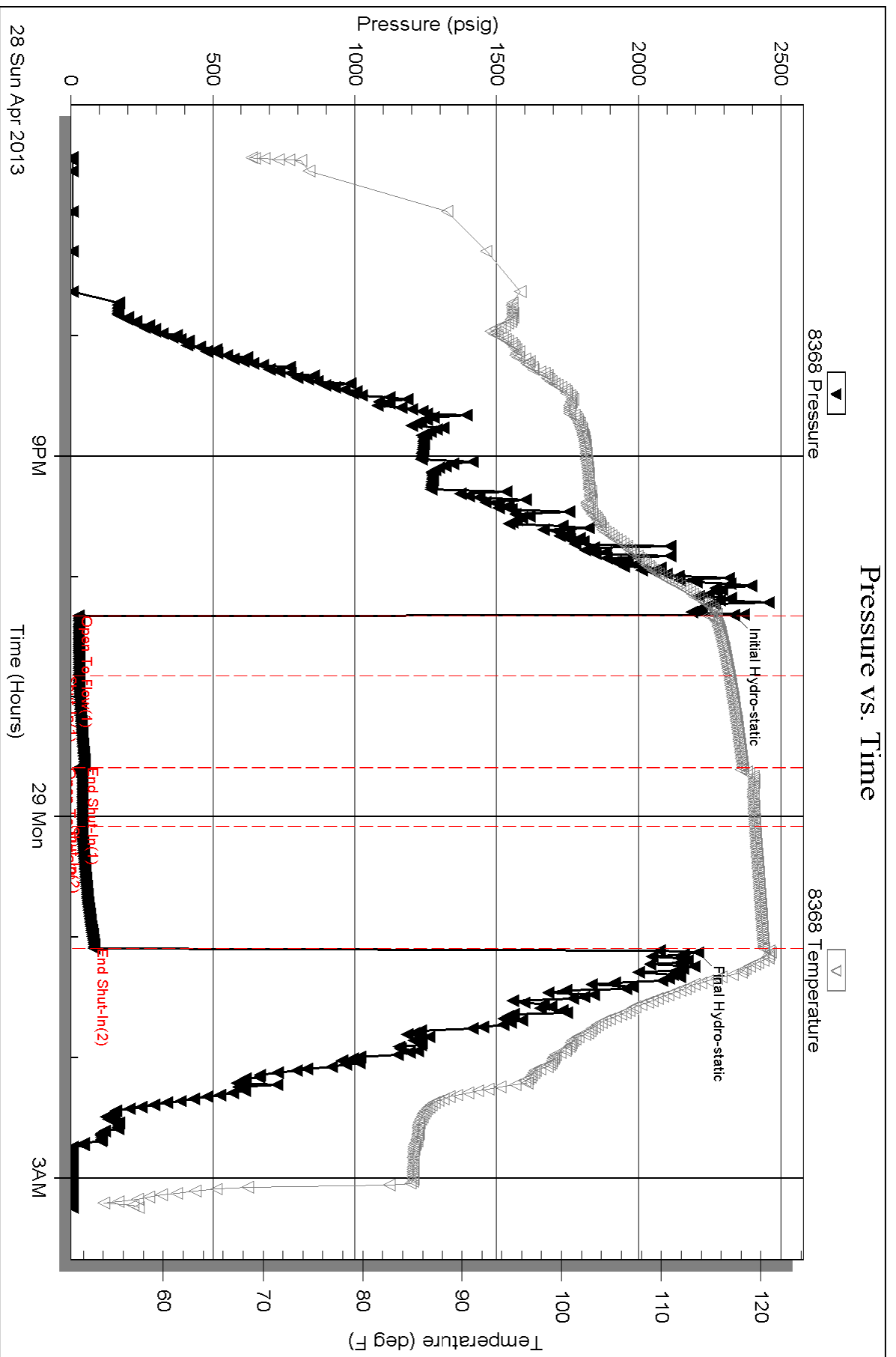
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

July 17, 2013

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

Re: ACO1
API 15-109-21166-00-00
Edwards Trust A 1-32
NW/4 Sec.32-15S-34W
Logan County, Kansas

Dear Production Department:

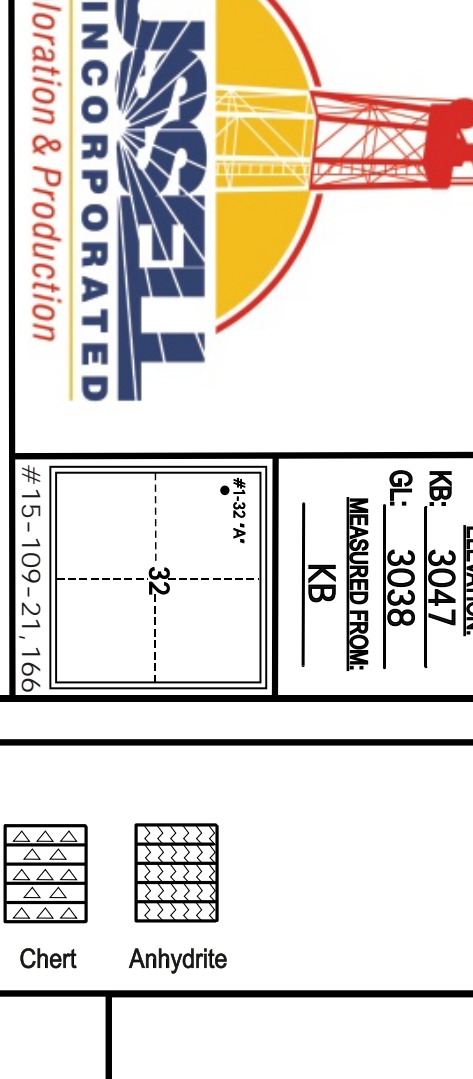
We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

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

Respectfully,
LEROY HOLT

KITT NOAH

PETROLEUM GEOLOGIST
Kansas License #229



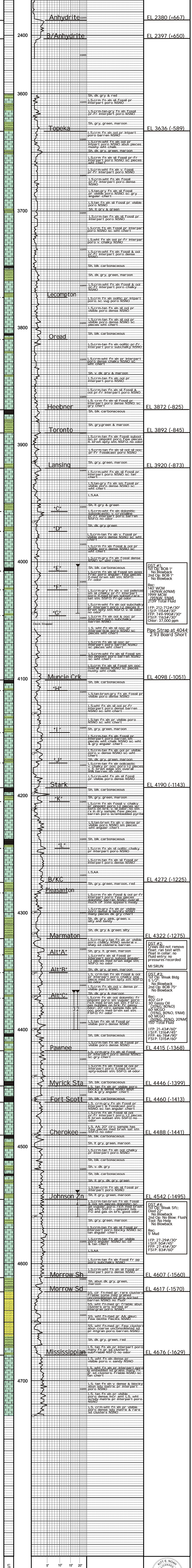
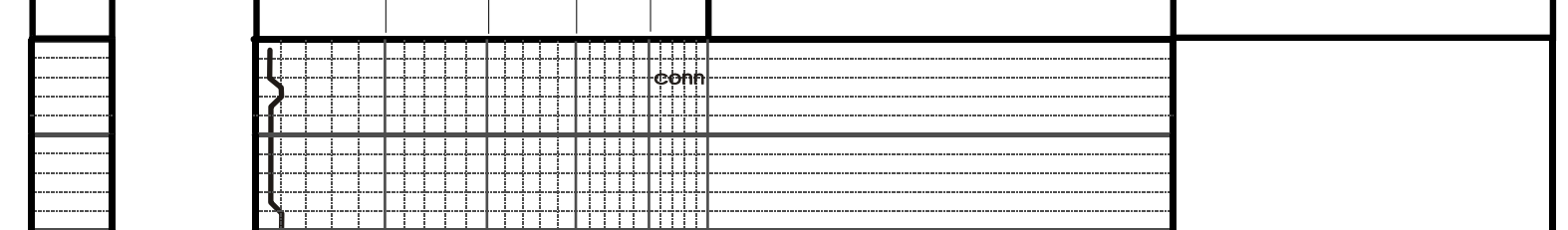
GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

OPERATOR: Russell Oil, Inc.
LEASE: Edwards Trust "A" WELL NO. #1-32
LOCATION: 780'FN & 400'FW
SEC: 32 TWP: 15S RNG: 34W
COUNTY: Logan STATE: Kansas

FORMATION	LOG	DATE
Annville	2380 (+667)	4/30/2013
B/Annville	2397 (+680)	4/30/2013
Hebner	3872 (-825)	4/30/2013
Lansing	3892 (-845)	4/30/2013
Stark	4190 (-1143)	4/30/2013
Marmaton	4272 (-1225)	4/30/2013
Pawnee	4415 (-1368)	4/30/2013
Cherokee	4488 (-1441)	4/30/2013
Mississippian	4676 (-1629)	4/30/2013
LTID	4731 (-1684)	4/30/2013

LEGEND



ELEVATION: KB 3047

OPERATOR: Russell Oil, Inc. LOCATION: 780'FN & 400'FW
LEASE: Edwards Trust "A" WELL NO. #1-32 SEC: 32 TWP: 15S RNG: 34W
API: 15-109-21166 FIELD: Wildcat COUNTY: Logan STATE: Kansas

