



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1199604
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: _____

1199604

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Edwards Trust B 2-32
Doc ID	1199604

All Electric Logs Run

DUAL INDUCTION
DUAL COMPENSATED POROSITY
MICRORESISTIVITY
SONIC BOND

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Edwards Trust B 2-32
Doc ID	1199604

Tops

Name	Top	Datum
ANHYDRITE	2387	+669
BASE ANHYDRITE	2407	+549
TOPEKA	3643	-587
HEEBNER	3882	-826
TORONTO	3900	-844
LANSING	3929	-873
MUNCIE CREEK	4107	-1051
STARK SHALE	4209	-1153
BASE KC	4294	-1238
MARMATON	4346	-1290
PAWNEE	4433	-1377
FT SCOTT	4484	-1428
CHEROKEE SHALE	4513	-1457
JOHNSON	4571	-1515
MISSISSIPPI	4712	-1656



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Russell Oil Inc

32-15s-34w Scott, Ks

p.o. box 8050

EdwardsTrust B #2-32

Edmond, Ok

Job Ticket: 56280

DST#: 1

73083

Test Start: 2014.02.17 @ 00:32:39

ATTN: Kitt Noah

GENERAL INFORMATION:

Formation: **K**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 02:56:39

Time Test Ended: 08:45:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride

Unit No: 55

Interval: 4206.00 ft (KB) To 4225.00 ft (KB) (TVD)

Reference Elevations: 3056.00 ft (KB)

Total Depth: 4225.00 ft (KB) (TVD)

3045.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6771

Inside

Press@RunDepth: 836.07 psig @ 4207.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.17

End Date:

2014.02.17

Last Calib.:

2014.02.17

Start Time: 00:32:39

End Time:

08:31:09

Time On Btm:

2014.02.17 @ 02:56:24

Time Off Btm:

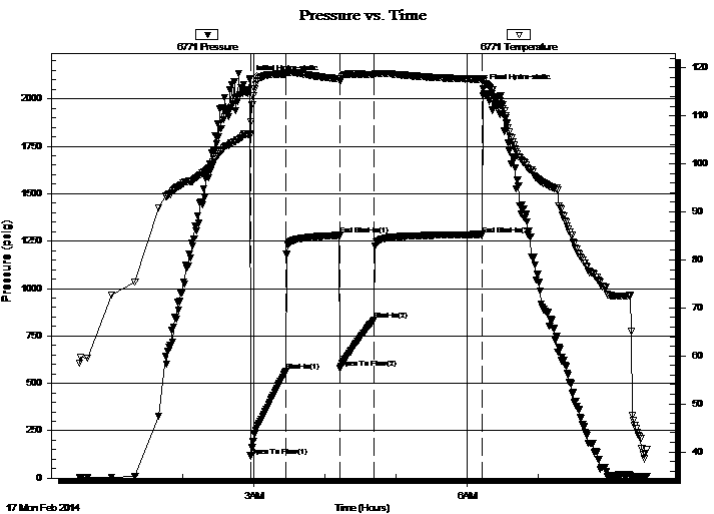
2014.02.17 @ 06:13:24

TEST COMMENT: B.O.B. in 3 1/2 min.

No return

B.O.B in 5 1/2 min

No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2102.09	106.31	Initial Hydro-static
1	117.62	106.13	Open To Flow (1)
31	563.17	118.71	Shut-In(1)
76	1280.76	117.70	End Shut-In(1)
76	579.54	117.30	Open To Flow (2)
105	836.07	118.60	Shut-In(2)
196	1285.38	117.57	End Shut-In(2)
197	2055.48	117.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1504.00	salt water 100%w	17.73
188.00	s m c w 10%m 90%w	2.64
139.00	m c w 30%m 70%w	1.95

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 Scott, Ks

p.o. box 8050

EdwardsTrust B #2-32

Edmond, Ok

Job Ticket: 56280

DST#: 1

73083

Test Start: 2014.02.17 @ 00:32:39

ATTN: Kitt Noah

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:

33500 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1504.00	salt water 100%w	17.727
188.00	s m c w 10%m 90%w	2.637
139.00	m c w 30%m 70%w	1.950

Total Length: 1831.00 ft Total Volume: 22.314 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .224 @ 64*f= 33,500 chlor

Serial #: 6771

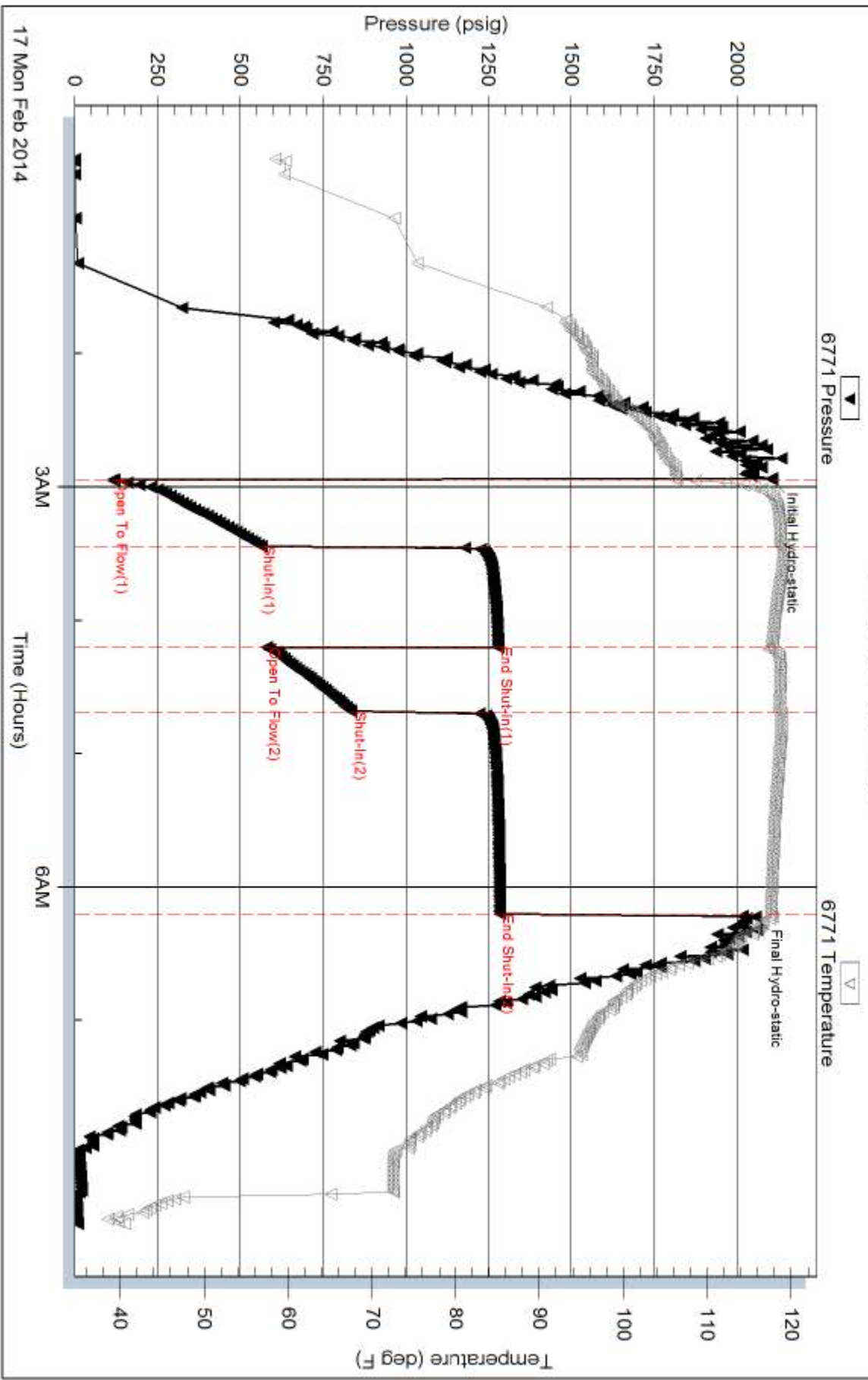
Inside

Russell Oil Inc

Edwards Trust B #2-32

DST Test Number: 1

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil Inc
 p.o. box 8050
 Edmond, Ok
 73083
 ATTN: Kitt Noah

32-15s-34w Scott, Ks
EdwardsTrust B #2-32
 Job Ticket: 56281 **DST#: 2**
 Test Start: 2014.02.18 @ 06:41:05

GENERAL INFORMATION:

Formation: **Alt A-B**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 09:00:50
 Time Test Ended: 12:55:05
 Interval: **4368.00 ft (KB) To 4420.00 ft (KB) (TVD)**
 Total Depth: 4420.00 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: 3056.00 ft (KB)
 3045.00 ft (CF)
 KB to GR/CF: 11.00 ft

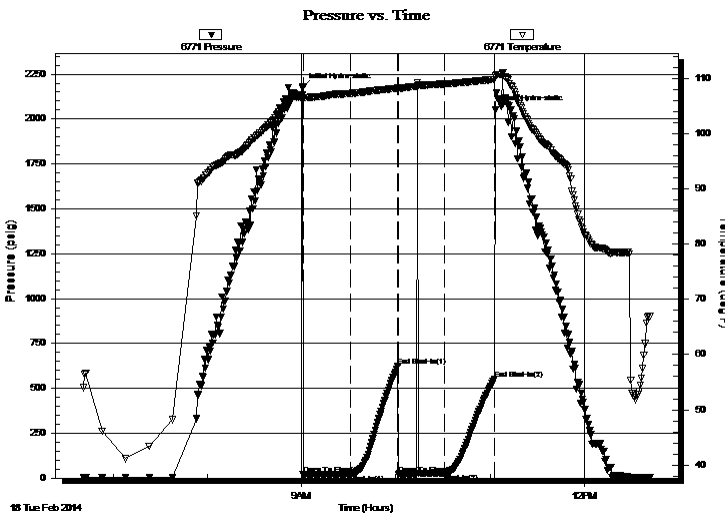
Serial #: 6771

Inside

Press @ RunDepth: 26.53 psig @ 4369.00 ft (KB)
 Start Date: 2014.02.18 End Date: 2014.02.18
 Start Time: 06:41:05 End Time: 12:42:05
 Capacity: 8000.00 psig
 Last Calib.: 2014.02.18
 Time On Btm: 2014.02.18 @ 09:00:35
 Time Off Btm: 2014.02.18 @ 11:03:20

TEST COMMENT: 1/4" in blow died in 11 min.
 No return
 No blow, Flush tool, Good surge, No blow
 No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2175.88	106.97	Initial Hydro-static
1	19.35	106.29	Open To Flow (1)
31	22.23	107.27	Shut-In(1)
61	622.31	108.23	End Shut-In(1)
61	22.74	108.11	Open To Flow (2)
91	26.53	108.99	Shut-In(2)
122	551.39	109.81	End Shut-In(2)
123	2050.23	110.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

* 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 Scott, Ks

p.o. box 8050
Edmond, Ok
73083

EdwardsTrust B #2-32

Job Ticket: 56281

DST#: 2

ATTN: Kitt Noah

Test Start: 2014.02.18 @ 06:41:05

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

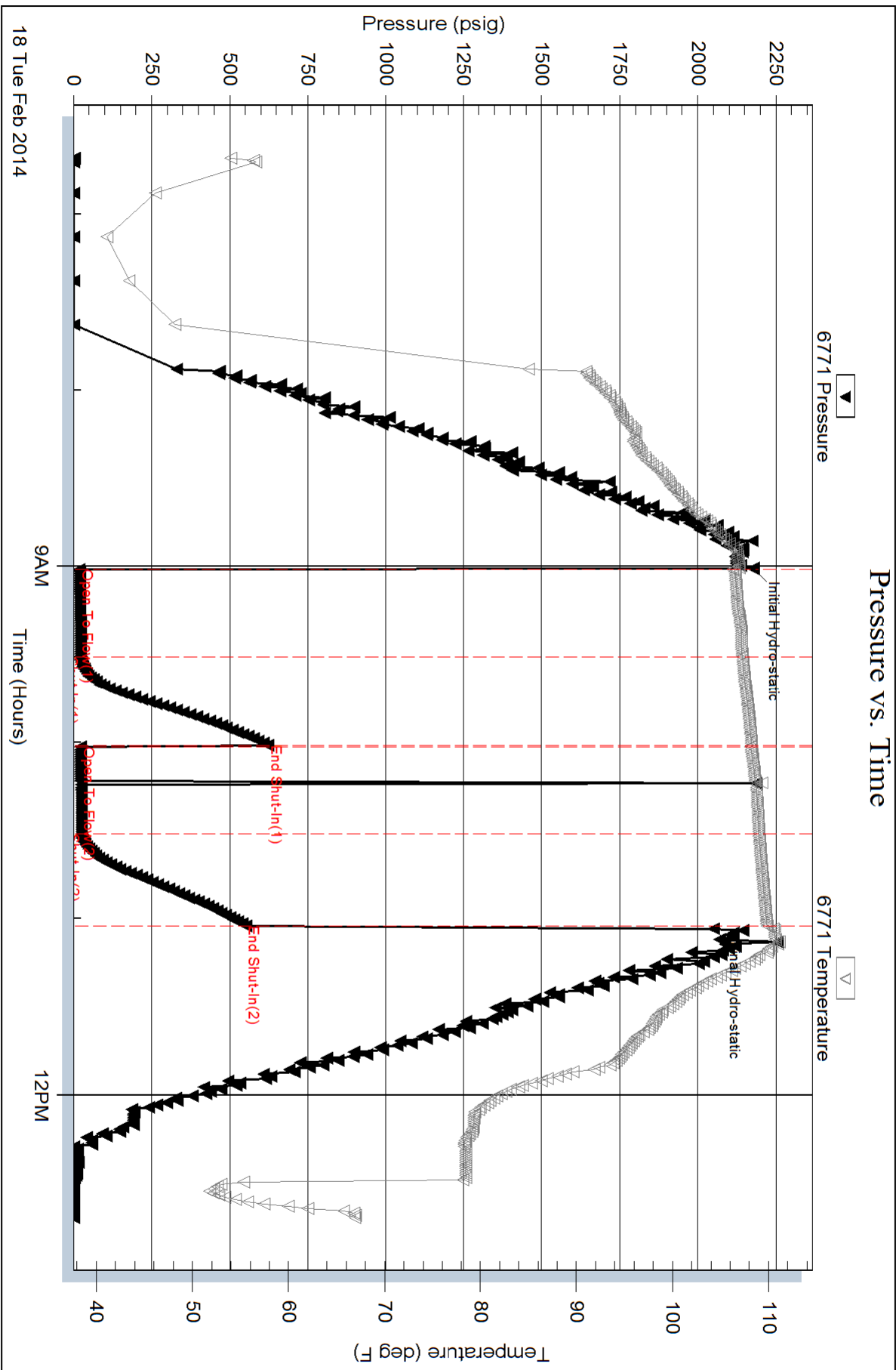
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Russell Oil Inc
 p.o. box 8050
 Edmond, Ok
 73083
 ATTN: Kitt Noah

32-15s-34w Scott, Ks
EdwardsTrust B #2-32
 Job Ticket: 56282 **DST#: 3**
 Test Start: 2014.02.19 @ 04:45:55

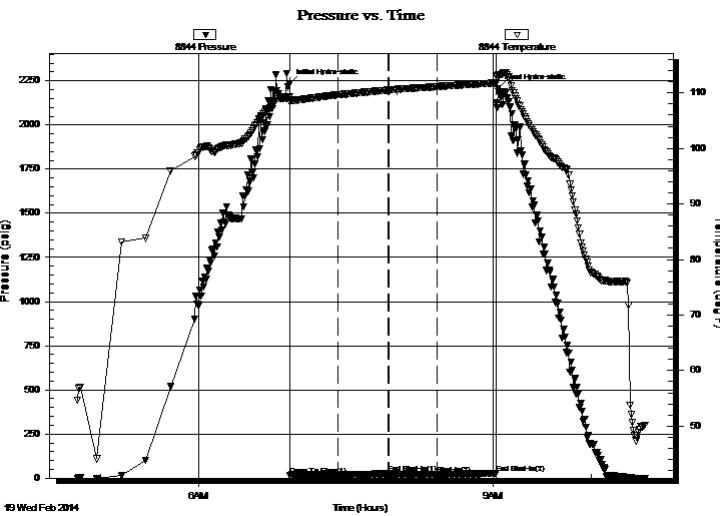
GENERAL INFORMATION:

Formation: **Ft Scott**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 06:55:55
 Time Test Ended: 10:55:55
 Interval: **4476.00 ft (KB) To 4515.00 ft (KB) (TVD)**
 Total Depth: 4515.00 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: 3056.00 ft (KB)
 3045.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8844 Outside

Press@RunDepth: 22.01 psig @ 4477.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.02.19 End Date: 2014.02.19 Last Calib.: 2014.02.19
 Start Time: 04:45:55 End Time: 10:32:55 Time On Btm: 2014.02.19 @ 06:55:40
 Time Off Btm: 2014.02.19 @ 09:03:10

TEST COMMENT: 1/4" in blow died in 13 min.
 No return
 No blow, Flush tool, Good surge, No blow
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2234.23	109.22	Initial Hydro-static
1	17.86	108.44	Open To Flow (1)
30	18.56	109.64	Shut-In(1)
61	25.39	110.49	End Shut-In(1)
61	18.02	110.49	Open To Flow (2)
91	22.01	111.14	Shut-In(2)
127	26.53	111.79	End Shut-In(2)
128	2206.38	113.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100% m	0.01

* 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 Scott, Ks

p.o. box 8050
Edmond, Ok
73083

EdwardsTrust B #2-32

Job Ticket: 56282

DST#: 3

ATTN: Kitt Noah

Test Start: 2014.02.19 @ 04:45:55

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud 100%m	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

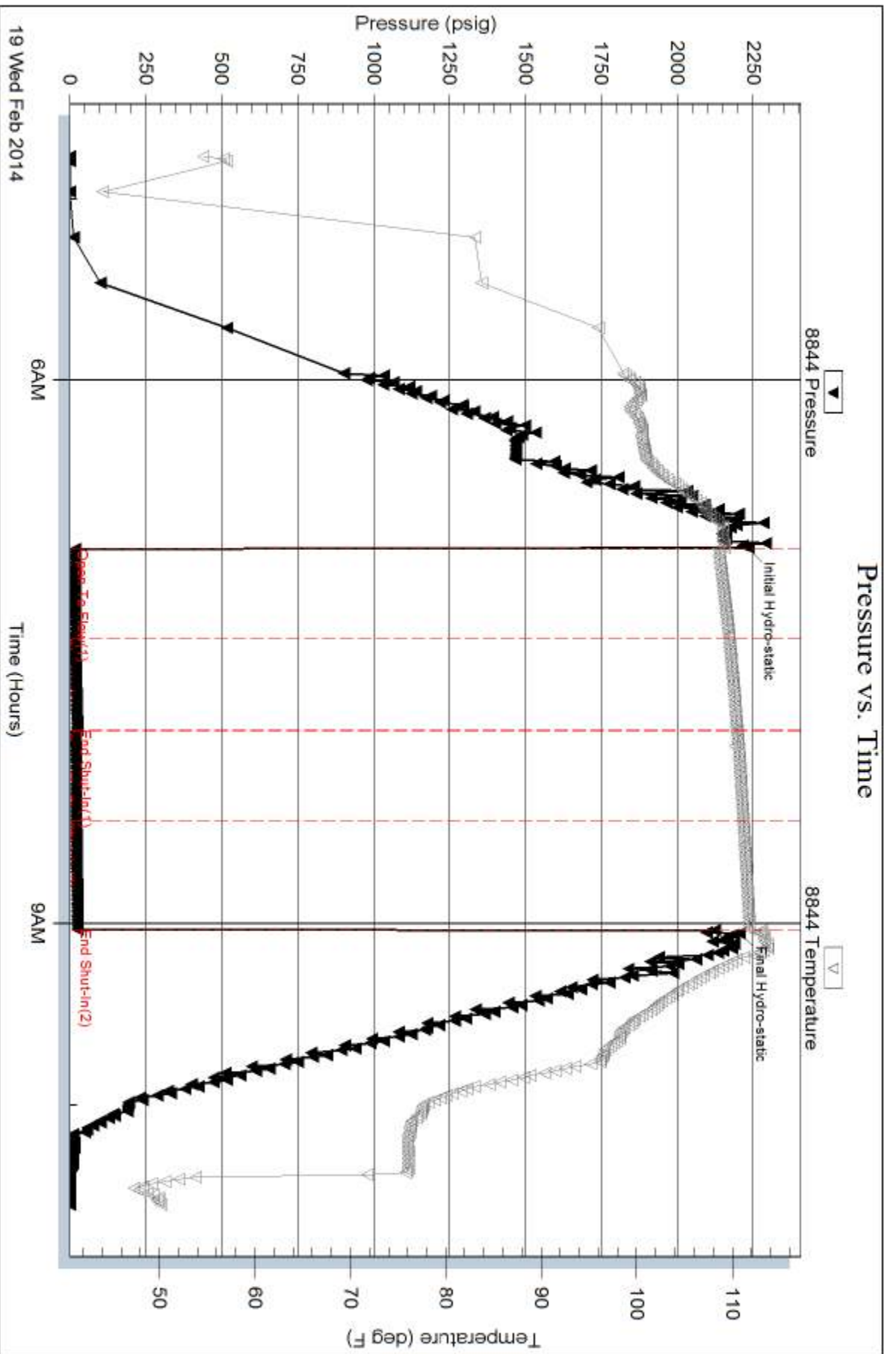
Num Gas Bombs: 0

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 Scott, Ks
EdwardsTrust B #2-32
 Job Ticket: 56283 **DST#: 4**
 Test Start: 2014.02.19 @ 21:50:53

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 23:59:53
 Time Test Ended: 09:50:23
 Interval: **4564.00 ft (KB) To 4590.00 ft (KB) (TVD)**
 Total Depth: 4590.00 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: 3056.00 ft (KB)
 3045.00 ft (CF)
 KB to GR/CF: 11.00 ft

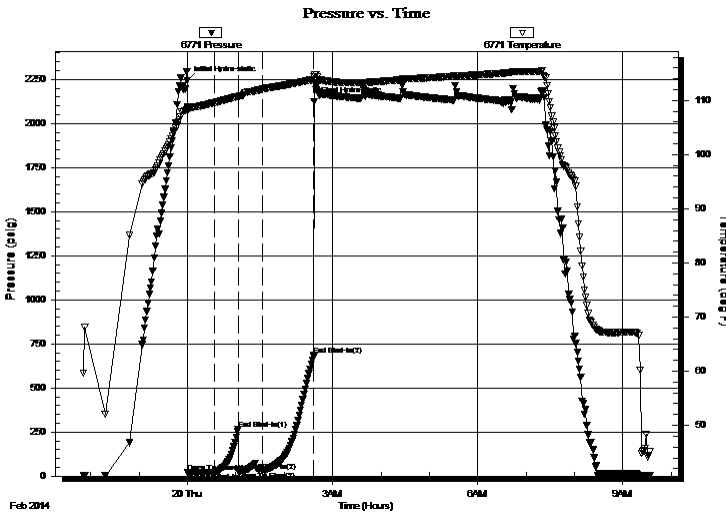
Serial #: 6771

Inside

Press @ Run Depth: 27.58 psig @ 4565.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.02.19 End Date: 2014.02.20 Last Calib.: 2014.02.20
 Start Time: 21:50:53 End Time: 09:34:23 Time On Btm: 2014.02.19 @ 23:59:38
 Time Off Btm: 2014.02.20 @ 02:36:53

TEST COMMENT: Weak blow died in 3 min
 No return
 No blow, Flush tool, Good surge, No blow
 No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2244.01	108.83	Initial Hydro-static
1	19.32	108.04	Open To Flow (1)
34	21.61	109.59	Shut-In(1)
63	267.47	110.79	End Shut-In(1)
63	27.03	110.70	Open To Flow (2)
94	27.58	112.06	Shut-In(2)
157	686.43	113.87	End Shut-In(2)
158	2125.00	114.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Heavy mud w/oil spots	0.01

* 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 Scott, Ks

p.o. box 8050
Edmond, Ok
73083

EdwardsTrust B #2-32

Job Ticket: 56283

DST#: 4

ATTN: Kitt Noah

Test Start: 2014.02.19 @ 21:50:53

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Heavy mud w /oil spots	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

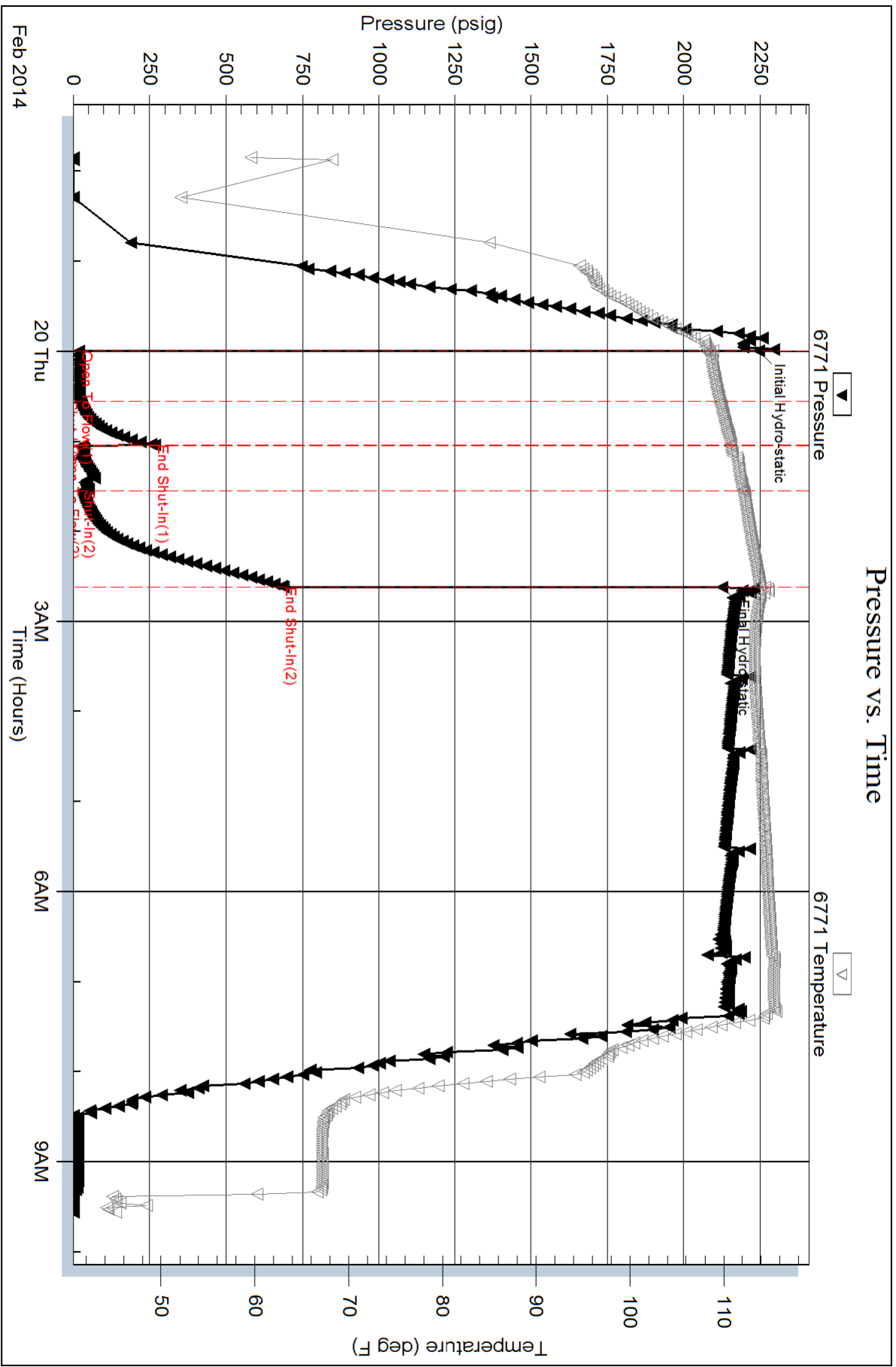
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



ALLIED OIL & GAS SERVICES, LLC 062219

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Oakley KS

DATE <u>2-21-14</u>	SEC <u>32</u>	TWP. <u>15</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>5:10 PM</u>	JOB FINISH <u>5:20 PM</u>
LEASE # <u>P</u>	WELL # <u>2-32</u>	LOCATION <u>Puma W 70 to line 3 N E into</u>	COUNTY <u>Kegan</u>	STATE <u>KS</u>			
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR K2 # 3

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 4750

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSQ. _____

PERFS. _____

DISPLACEMENT _____

EQUIPMENT

PUMP TRUCK CEMENTER Kelly Gabel

422 HELPER Wayne Magibghy

BULK TRUCK

396306 DRIVER Juan (Two)

BULK TRUCK

_____ DRIVER _____

OWNER Same

CEMENT

AMOUNT ORDERED 220.00 @ 60/40 Poz

490 gal 1/4" Jarsal

COMMON 132 @ 17.80 = 2362.80

POZ MIX 88 @ 9.35 = 822.80

OEL 86 @ 23.30 = 1997.80

CHLORIDE _____

ASC _____

Jarsal 55# @ 2.97 = 163.55

HANDLING 236.57 @ 2.30 = 547.71

MILEAGE 9.46 @ 50.52 = 478.98

TOTAL 5334.68

REMARKS:

25 @ 2390

105 @ 1245

40 @ 390

10 @ 40

30 RH 15 MH

SERVICE

DEPTH OF JOB 2390'

PUMP TRUCK CHARGE 1250.00

EXTRA FOOTAGE _____

MILEAGE MHV 50 @ 7.90 = 395.00

MANIFOLD _____

MELV 50 @ 4.30 = 215.00

TOTAL 1855.00

CHARGE TO: Russell oil

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

TOTAL _____

To: Allied Oil & Gas Services, 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 Jose C. Gabel

SIGNATURE J. Gabel

SALES TAX (If Any) _____

TOTAL CHARGES 7,189.68

DISCOUNT 1,581.72 IF PAID IN 30 DAYS

5,607.95 Net.



CONSOLIDATED
Oil Well Services, LLC

265943

TICKET NUMBER 43081
LOCATION Oakley KS
FOREMAN Miles Shaw

PO Box 884, Chanute, KS 66720
620-431-8210 or 800-487-8678

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-12-14	7043	Edwards trust 'B' 2-32	32	155	34N	Logan
CUSTOMER <u>Russell Oil</u>			Dance ks 2W to A 25 North to centerline N+E ink			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			399	Jordan L		
STATE			500	Cody E		
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/2" HOLE DEPTH 336' CASING SIZE & WEIGHT 8 3/4 23"
CASING DEPTH 334 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/ft _____ CEMENT LEFT in CASING 20'
DISPLACEMENT 19 1/2 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting and rig up on H2 Drilling rig & Circulate casing
Mix 225 SAS Class A cement with 3% calcium 29 gal displaced 19 1/2 bbls
Water Shut in cement did circulate shbs top

Thank you Miles & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150.00	1150.00 ✓
5406	35	MILEAGE	5.25	1837.50 ✓
5407	10157 TONS	Ton mileage delivered	1.75	6477.50 ✓
1102	634 #	Calcium Chloride	.94	595.96 ✓
11045	225 SAS	Class A Cement	18.55	4173.75 ✓
111FB	423 #	Bentonite gel	1.27	114.21 ✓
			Subtotal	6865.17 ✓
			less 1000 discount	1865.2 ✓
			Subtotal	6178.65 ✓
			7.65	SALES TAX
				ESTIMATED
				TOTAL
				6514.91 ✓

completed

AUTHORIZATION Carlos Fokelle 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.

Edwards Trust "B" #2-32 Drilling Report

Russell Oil, Inc.
Edwards Trust "B" #2-32
 760'FS & 2110'FW
 Section 32-15S-34W
 Logan County, Kansas
 #15-109-21,248

KB: 3056
 GL: 3045

Reference Well A: *Russell Edwards Trust "B" #1-32 2260'FS & 1000'FW Sec 32-15S-34W*

Reference Well B: *Russell Edwards Trust "A" #1-32 780'FN & 400'FW Sec 32-15S-34W*

		<u>A:</u>	<u>B:</u>			<u>A:</u>	<u>B:</u>
<u>SAMPLE TOPS</u>				<u>ELECTRIC LOG TOPS</u>			
Anhydrite	2387 (+669)	-6	+2	Anhydrite	2391 (+665)	-10	-2
B/Anhydrite	2407 (+649)	-9	-1	B/Anhydrite	2406 (+650)	-8	flat
Topeka	3652 (-596)	-12	-7	Topeka	3653 (-597)	-13	-8
Heebner	3882 (-826)	-7	-1	Heebner	3886 (-830)	-11	-5
Toronto	3900 (-844)	-6	+1	Toronto	3900 (-844)	-6	+1
Lansing	3929 (-873)	-6	flat	Lansing	3928 (-872)	-5	+1
Mun Creek	4107 (-1051)	-8	flat	Mun Creek	4113 (-1057)	-14	-6
Stark	4209 (-1153)	-17	-10	Stark	4210 (-1154)	-18	-11
B/KC	4294 (-1238)	-18	-13	B/KC	4299 (-1243)	-23	-18
Marmaton	4346 (-1290)	-18	-15	Marmaton	4348 (-1292)	-20	-17
Pawnee	4433 (-1377)	-14	-9	Pawnee	4438 (-1382)	-19	-14
Myrick Sta	4469 (-1413)	-20	-6	Myrick Sta	4470 (-1414)	-21	-7
Fort Scott	4484 (-1428)	-18	-15	Fort Scott	4486 (-1430)	-20	-17
Cherokee	4513 (-1457)	-20	-16	Cherokee	4513 (-1457)	-20	-16
Johnson Zn	4571 (-1515)	-22	-20	Johnson Zn	4569 (-1513)	-20	-18
Mississippian	4712 (-1656)	-44	-27	Mississippian	4710 (-1654)	-42	-25
RTD	4750 (-1694)			LTD	4751 (-1695)		

Sample Shows and Drill Stem Tests:

Lecompton:

Limestone, cream-gray; oolitic; poor to fair pinpoint porosity; few pieces medium to dark brown subsaturated stain; very slight show of free oil – very slight show of gas on break; no odor.

Oread "A":

Limestone, cream; very oolitic; poor to fair interparticle porosity; few pieces medium to dark brown spotty to subsaturated stain; no show of free oil; no odor.

Toronto:

Circulate 3926'

Limestone, white; fossiliferous and oolitic; dolomitic; poor to fair interparticle porosity; 1-2 pieces medium brown saturated stain; no show of free oil; no odor.

Lansing “C”:

Circulate 3981’

Limestone, cream; oolitic; rare vugular porosity; slightly dolomitic; poor to fair interparticle porosity; rare pieces golden brown saturated stain; very slight show of free oil; fair odor on break. 8’ *drilling break*

Lansing “F”:

Circulate 4040’

Limestone, cream; fossiliferous; possible fracture porosity; scattered vugular porosity; 1-2 pieces medium brown saturated stain; slight show of free oil; slight to fair odor on break.

Lansing “H”:

Circulate 4140’

Limestone, cream; slightly fossiliferous; oolitic; poor interparticle porosity; chalky; very light brown spotty stain; very slight show of free oil; slight to fair odor on break.

Lansing “I”:

Circulate 4176’

Limestone, cream; oolitic; scattered vugular porosity; overall appears tight; 1-2 pieces dark brown to black subsaturated stain; flaky dried gilsonitic oil on break; no odor; scattered pieces white angular chert.

No shows in Lansing “J” porosity...thickness of porosity is 20’...Edwards “A” & “B” wells have 10-12’ “J” porosity thickness...

Wiper trip at 4196’...

Lansing “K”:

Circulate 4225’

DST #1

Limestone, cream; dolomitic; large solution vugular porosity with secondary crystalline growth; possible fracture porosity; medium brown mostly saturated stain; good show of free oil on break; slight amount of gas on break; slight odor. 4’ *drilling break – broke down to 1 ½’s and 1’s...*

DST #1:

*Trilobite Testing Co., Inc. – Scott
Shane McBride; Tester*

Lansing “K”

4206-4225

1st Op: BOB 3 1/2”

No Blowback

2nd Op: BOB 5 1/2”

No Blowback

Rec:

139’ MCW (70% W, 30% M)

188’ SMCW (90% W, 10% M)

1504’ Water

1831’ Total Fluid

IFP: 117-563#/30"
ISIP: 1280# /45"
FFP: 579-836#/30"
FSIP: 1285#/90"
Chlorides: 33,500 ppm

High Wind Warning Until 7am...experiencing 45 mph wind gusts at rig...will extend final shut in from 45 minutes to 90 minutes...if conditions still unsafe to trip out of hole, will pull test loose and wait for winds to die down near 7 am...

Marmaton Altamont "A": *Circulate 4372'*
Limestone, cream; slightly fossiliferous and oolitic; some large dark oolites at top of zone; overall poor interparticle porosity; chalky; 1-2 pieces very spotty stain; very slight show of free oil; no odor.

Marmaton Altamont "B": *Circulate 4392'* **DST #2**
Limestone, cream-gray; slightly fossiliferous; possible fracture porosity; 5-6 pieces light brown spotty stain; slight show of free oil; no odor.

Marmaton Altamont "C": *Circulate 4420'* **DST #2**
Limestone, cream; fossiliferous; poor interparticle porosity; appears barren; no show of free oil; no odor.

DST #2: *Trilobite Testing Co., Inc. – Scott
Shane McBride; Tester*

Marmaton Altamont "B-C"
4368-4420
1st Op: Weak Bldg ¼"; Declined; Died 11 minutes
No Blowback
2nd Op: Dead; Flush Tool; No Help
No Blowback

Rec:
5' Mud

IFP: 19-22#/30"
ISIP: 622# /30"
FFP: 22-26#/30"
FSIP: 551#/30"

Pipe Strap at 4420': .42 Board Short

Pawnee: *Circulate 4465'*
Limestone, cream-tan; very fossiliferous; isolated vugular and pinpoint porosity; 4-5 pieces medium brown saturated stain; appears mealy in dry sample; slight show of free oil; slight to fair odor; abundant translucent gray chert.

No shows in Myrick Station....

Fort Scott:

Circulate 4515'

DST #3

Limestone, cream-tan-brown; very oolitic; scattered pinpoint porosity; abundant golden brown saturated stain; slight show of free oil; slight gas on break with rare gas bubbles; slight to fair odor. *4' drilling break*

DST #3:

*Trilobite Testing Co., Inc. – Scott
Shane McBride; Tester*

Fort Scott

4476-4515

1st Op: Weak Bldg ¼"; Declined; Died 13 minutes

No Blowback

2nd Op: Dead; Flush Tool; Good Surge; No Help

No Blowback

Rec:

3' Mud

IFP: 17-18#/30"

ISIP: 25# /30"

FFP: 18-22#/30"

FSIP: 26#/30"

Johnson Zone:

Circulate 4590'

DST #4

Limestone, cream-tan; fossiliferous; oolitic; dolomitic; poor pinpoint porosity; abundant pieces medium brown saturated stain; slight show of free oil – some gas on break; good gassy odor – oil floating on water in sample cup *4' drilling break*

DST #4:

*Trilobite Testing Co., Inc. – Scott
Shane McBride; Tester*

Johnson Zone

4564-4590

1st Op: Weak; Died 3 minutes

No Blowback

2nd Op: Dead; Flush Tool; No Help

No Blowback

Rec:

3' Heavy Mud w/oil spots

IFP: 19-21#/30"

ISIP: 267# /30"

FFP: 27-27#/30"

FSIP: 686#/30"

High Wind Warning Until 9am...experiencing 45-50 mph wind gusts at rig...will pull test loose and wait for winds to die down with safer conditions to come out of hole with test...

Due to low structural position and negative drill stem test results and log calculations, it was recommended that the Edwards Trust "B" #2-32 be plugged and abandoned.

FINAL REPORT