



KANSAS CORPORATION COMMISSION 1069711
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- 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: _____



1069711

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Anderson 2-31
Doc ID	1069711

All Electric Logs Run

SECTOR BOND LOG
DUAL INDUCTION
DUAL COMPENSATED POROSITY
MICRORESISTIVITY

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Anderson 2-31
Doc ID	1069711

Tops

Name	Top	Datum
TOPEKA	3923	-626
HEEBNER	4139	-842
TORONTO	4162	-865
LANSING	4183	-886
MUNCIE CREEK	4328	-1031
STARK SHALE	4411	-1114
SWOPE	4425	-1128
HUSHPUCKNEY	4443	-1146
BASE KC	4473	-1176
MARMATON	4521	-1224
PAWNEE	4604	-1307
MYRICK STATION	4644	-1347
FORT SCOTT	4660	-1363
CHEROKEE	4693	-1396
JOHNSON	4735	-1438
MORROW SHALE	4784	-1487
BASAL PENN SAND	4813	-1516
MISSISSIPPIAN	4828	-1531

GEOLOGICAL REPORT

DRILLING TIME

S.D. ANGLE - COPYRIGHT 2011

SAMPLE LOG

COMPANY Russell Oil, Inc.
LEASE Russell-Dell UNIT
WELL NO. 1
LOCATION 2610' FNL + 990' FWL
SEC 35 TWN 10S RNG 34W
COUNTY Thomas STATE Kansas
POOL UNNAMED
API NO. 15-193-20808-00-00

ELEVATIONS

KB 3236
DF _____
GL 3226

MEASUREMENT FROM

Top Kelly Bushing
PIPE STRAP 4333'
1.31' long to
Pipe Board

CONTRACTOR HD Drilling Rig #2
COMMENCED AUGUST 11, 2011
COMPLETED AUGUST 22, 2011
RTD AUGUST 21, 2011
MUD Chemical, Mud-Co, Inc.
SAMPLES FROM 3800' TO 4830'
DRILLING TIME FROM 3800' TO 4830'
SUPERVISION FROM 3800' TO 4830'
GEOLOGIST STEVEN D. ANGLE

CASING RECORD

SURFACE New 8 7/8"
23" ST @ 267' w/
175sx COMM - 2 3/8"
3" cc. CDC

PRODUCTION NONE
DRY & Abandoned

REMARKS Rig on 10' sub. GA + 10' = KB.
Deviation 270' - 1/4°, 4333' - 1/4°, 4741' - 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
W.C.C.

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S.D. Angle - Copyright 2011

FORMATION TOPS

DATUM ELEVATION 3236 113

FORMATION	SAMPLE	ELOG	DATUM	WELL A	WELL B
Amberchite		2712'	+ 524		
Base/Amberchite		2740'	+ 496		
Topeka		3895'	- 659		
Hebner Shale		4111'	- 875		
Toronto		4129'	- 893		
Lansing-KC		4152'	- 916		
Stark Shale		4376'	- 1140		
Base-KC		4458'	- 1222		
Marathon		4482'	- 1246		
Pawnee		4561'	- 1325		
MYRIC STATION		4598'	- 1362		
Fert Scott		4620'	- 1384		
Cherokee Shale		4657'	- 1415		
Atoka hm		4732'	- 1496		
Basal Penn Sd		4757'	- 1521		
Mississippian		4775'	- 1539		
Rotary Total Depth		4830'	- 1594		
LOG TOTAL DEPTH		4832'	- 1596		

CORRELATION WELLS

A.
B.

DAILY PENETRATION

DEPTH	@	TIME	ON	DATE
UNDER SURFACE				
1691'		11:45 A.M.		8-12-11
2877'		7:00 A.M.		8-13-11
3540'		7:00 A.M.		8-14-11
3911'		7:00 A.M.		8-15-11
4152'		7:00 A.M.		8-16-11
4333'		7:00 A.M.		8-17-11
4456'		7:00 A.M.		8-18-11
4615'		7:00 A.M.		8-19-11
4741'		7:00 A.M.		8-20-11
4830'		8:17 P.M.		8-21-11

MUD RECORD

DEPTH	TYPE & AMOUNTS
Surface	74 Gal. 14 1/2 x hulls, 1/2 5x lime.
2590'	60 5x Gal., 4 5x Soda Ash, 2 5x caustic Soda, 1 5x lignite, 4 1/2 5x Drispac, 3 1/2 5x hulls.
3290'	40 5x Gal., 13 5x hulls
3645'	144 5x Gal., 7 5x lignite, 9 5x caustic Soda,
4152'	16 5x Soda Ash, 4 1/2 5x Drispac, 18 5x hulls.
4333'	55 5x Gal., 2 5x caustic Soda, 1/2 5x lignite, 2 5x Soda Ash, 1/2 5x Drispac, 23 5x hulls.
4456'	1/2 5x Drispac.
	27 5x Gal., 3 5x Soda Ash, 1/2 5x lignite,
	3 5x caustic Soda, 1/2 5x Drispac, 18 5x hulls.
	30 5x Gal., 3 5x Soda Ash, 2 5x caustic Soda,
	1/2 5x Drispac, 1 5x lignite.

DRILLING INFORMATION

DRILLING CONTR: AD Drilling Rig # 2
 RIG PHONE: 785-656-2725
 TOOL PUSHER: Doug Roberts
 PHONE: 620-617-1716
 DRILLERS - DAYLIGHT TOUR: Gilbert Smith
 EVENING TOUR: Carlos Martinez
 MORNING TOUR: Robert Foster
 SPUD DATE: 8-12-11 DATE OF RTD: 8-21-11
 SITE DIRECTIONS: Approx. 1 mi. S. of Monument - 2.5 mi. N. of County line - Approx. 3 mi. S. of East into North to County line - Approx. 3 mi. S. of East into
 SURFACE PIPE: New 8 3/8" 23# set @ 267' w/ 195' sx Comm. class A, 2% cel + 3% cc, Cement Dielectric.
 WELL STATUS: Plugged + Abandoned
 PRODUCTION CASING: NONE
 DRILLING MUD CONTR: Med-Co, Eng: Reid Atkins Ph.
 DRILL STEM TESTING: Tribolite Testing, Isaac McManney, Ph. 785-639-2167
 CEMENTING:
 ELECTRIC LOGGING: Log-Tech, Ann Dale Insulation, Dale Compensated Porosity log + Micro Resistivity log. Eng: R. Barnhart

BIT RECORD

NO.	PURPOSE	SIZE	MAKE	TYPE	IN	OUT	JETS	PUMP
1	Surface	12 1/4	JZ		0	270'	4-1/4"	500#
1	Bore	7 7/8	JZ	OX20	270'		3-1/4"	600#

DST NO. 1 INTERVAL 4303 TO 4333 TYPE Anchor 30' TIMES 60-30-60-30
 Blow: Built to 4" blow, SI, No Return, and Built to 3" blow.
 SI, No return blow.
 Rec: 20' mud cut water (40% mud, 60% water) + 14.5' of water.
 I/F/F 19-72 SIF/SFF 75-95 IS/F/SI 1087-1059 IH/FH 2183-2082 Temp: 126°F

DST NO. 2 INTERVAL 4379 TO 4456 TYPE Anchor 77' TIMES 60-30-60-30
 Blow: Bottom of bucket in 29 minutes, SI, weak surface return blow.
 2nd - Bottom of bucket in 46 minutes, SI, Built to 4" return blow.
 Rec: 58' gas cut oil (10% gas, 90% oil), 377' oil mud cut water (5% oil, 45% water, 10% mud), 123' mud cut water (90% water, 10% mud), 122' of gas in pipe.
 I/F/F 26-138 SIF/SFF 141-203 IS/F/SI 936-919 IH/FH 2225-2142 Temp: 125°F

DST NO. 3 INTERVAL 4656 TO 4741 TYPE Anchor 85' TIMES 60-30-60-30
 Blow: B.O.B. in 54 minutes, No return blow, and Built to 7"
 blow, no return blow.
 Rec: 183' gas cut water (10% gas, 90% oil, 90% water, 10% mud), 122' oil cut gassy mud/water (20% gas, 10% oil, 40% water, 30% mud), 123' gas cut oil/mud/water (10% gas, 20% oil, 50% water), all 30,000 P.M.
 I/F/F 30-146 SIF/SFF 171-219 IS/F/SI 931-871 IH/FH 2365-2310 Temp: 128°F



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil Inc.

Russell Dell Unit 1

PO Box 8050
Edmond OK, 73083

35-10-34

Job Ticket: 43246

DST#: 1

ATTN: Steve Angle

Test Start: 2011.08.17 @ 21:00:00

GENERAL INFORMATION:

Formation: **Kansas City "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:31:30

Time Test Ended: 04:39:15

Test Type: Conventional Bottom Hole

Tester: Jace McKinney

Unit No: 28

Interval: 4303.00 ft (KB) To 4333.00 ft (KB) (TVD)

Reference Elevations: 3240.00 ft (KB)

Total Depth: 4333.00 ft (KB) (TVD)

3230.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 94.58 psig @ 4334.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.17

End Date:

2011.08.18

Last Calib.:

2011.08.18

Start Time: 21:00:01

End Time:

04:39:15

Time On Btm:

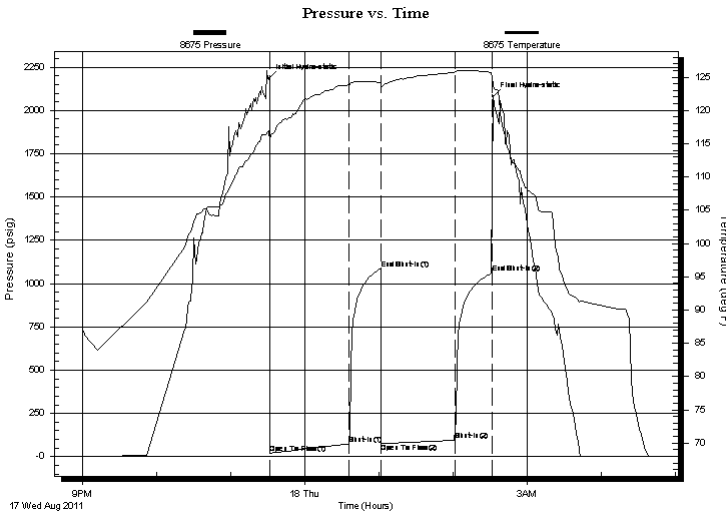
2011.08.17 @ 23:31:00

Time Off Btm:

2011.08.18 @ 02:32:30

TEST COMMENT: Built to 4" blow
No return blow
Built to 3" blow
No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.41	116.91	Initial Hydro-static
1	18.68	115.50	Open To Flow (1)
65	72.21	123.85	Shut-In(1)
91	1086.94	124.22	End Shut-In(1)
91	74.61	123.52	Open To Flow (2)
151	94.58	125.75	Shut-In(2)
181	1059.15	125.73	End Shut-In(2)
182	2081.89	123.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
145.00	100%W	0.91
20.00	mcw 40%M 60%W	0.28
0.00	Oil spots in tool	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc.

Russell Dell Unit 1

PO Box 8050
Edmond OK, 73083

35-10-34

Job Ticket: 43246

DST#: 1

ATTN: Steve Angle

Test Start: 2011.08.17 @ 21:00:00

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:

55000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
145.00	100%W	0.913
20.00	mcw 40%M 60%W	0.281
0.00	Oil spots in tool	0.000

Total Length: 165.00 ft Total Volume: 1.194 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

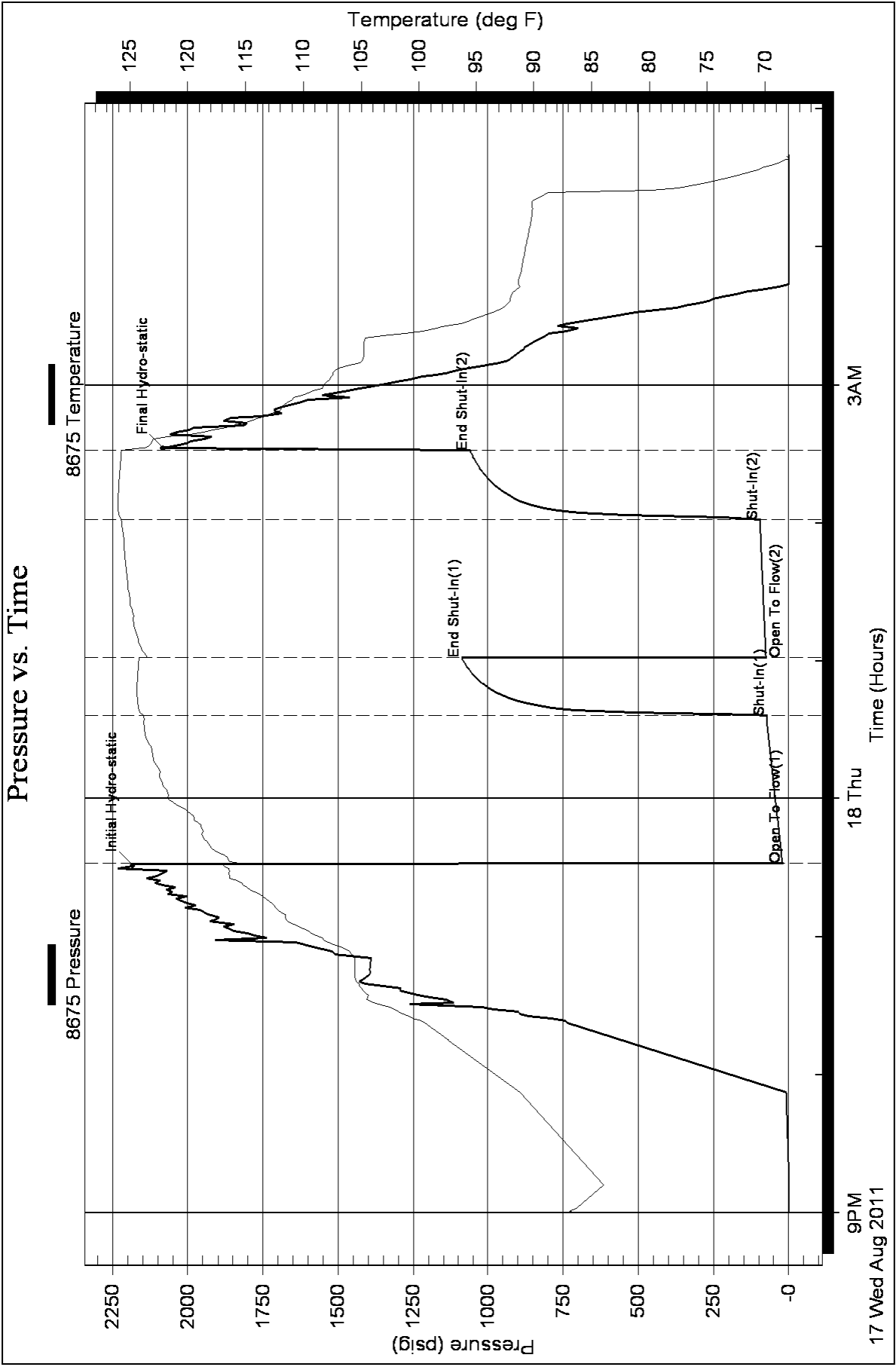
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .17 @ 66 F = 55,000

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil Inc.

Russell Dell Unit 1

PO Box 8050
Edmond OK, 73083

35-10-34

Job Ticket: 43247

DST#: 2

ATTN: Steve Angle

Test Start: 2011.08.19 @ 02:15:00

GENERAL INFORMATION:

Formation: **Kansas City " K & L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:33:45

Time Test Ended: 09:45:45

Test Type: Conventional Bottom Hole

Tester: Jace McKinney

Unit No: 28

Interval: 4379.00 ft (KB) To 4456.00 ft (KB) (TVD)

Reference Elevations: 3240.00 ft (KB)

Total Depth: 4456.00 ft (KB) (TVD)

3230.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press @ RunDepth: 203.06 psig @ 4380.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.19

End Date:

2011.08.19

Last Calib.:

2011.08.19

Start Time: 02:15:01

End Time:

09:45:45

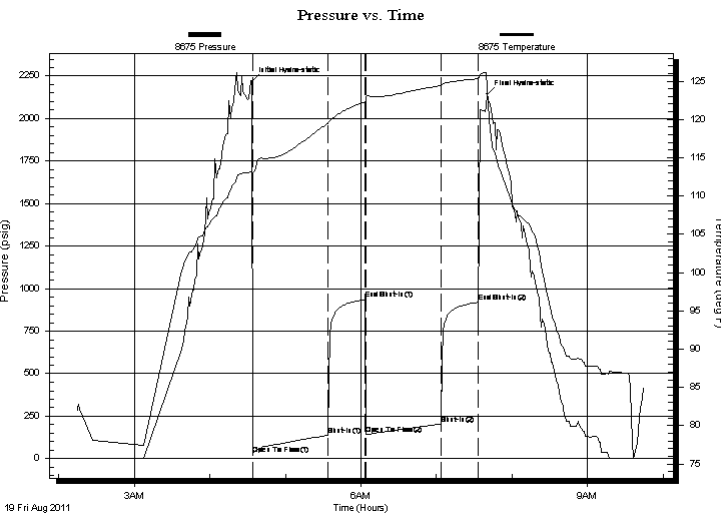
Time On Btm:

2011.08.19 @ 04:33:30

Time Off Btm:

2011.08.19 @ 07:40:15

TEST COMMENT: B.O.B. in 29 min.
Weak surface return blow
B.O.B. in 46 min.
Built to 1/4 return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2214.99	113.24	Initial Hydro-static
1	25.76	112.36	Open To Flow (1)
61	137.62	119.51	Shut-In(1)
90	936.23	122.32	End Shut-In(1)
91	141.22	122.53	Open To Flow (2)
150	203.06	124.43	Shut-In(2)
180	919.33	125.30	End Shut-In(2)
187	2141.60	124.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	122 feet gas in pipe	0.00
123.00	mcw 10%M 90%W	0.60
377.00	omcw 5%O 30%M 65%W	5.29
58.00	gco 10%G 90%O	0.81

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc.

Russell Dell Unit 1

PO Box 8050
Edmond OK, 73083

35-10-34

Job Ticket: 43247

DST#: 2

ATTN: Steve Angle

Test Start: 2011.08.19 @ 02:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

70000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	122 feet gas in pipe	0.000
123.00	mcw 10%M 90%W	0.605
377.00	omcw 5%O 30%M 65%W	5.288
58.00	gco 10%G 90%O	0.814

Total Length: 558.00 ft Total Volume: 6.707 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

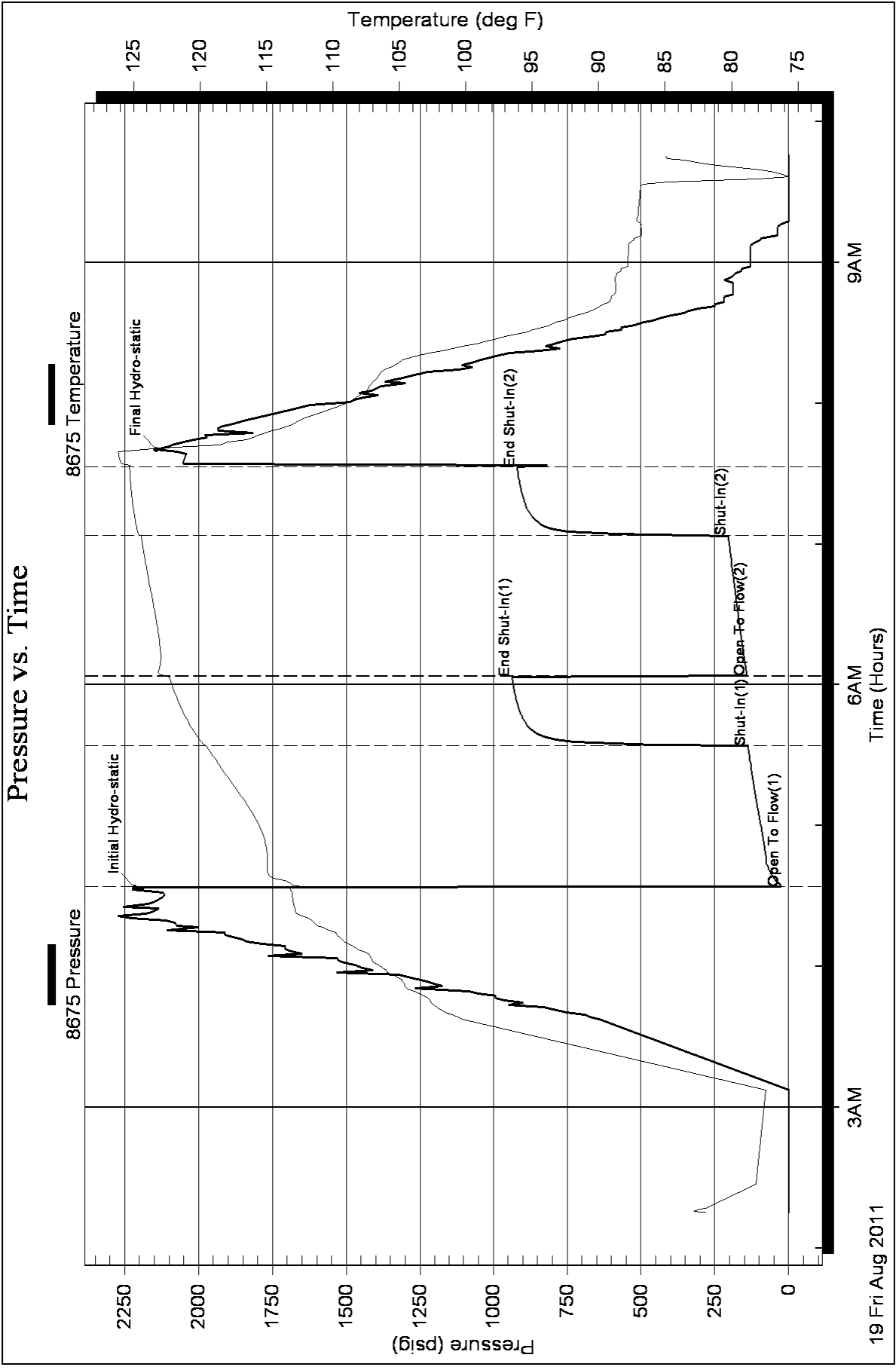
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 29 @ 80 F = 27 RW: .12 @ 72 F = 70,000

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil Inc.

Russell Dell Unit 1

PO Box 8050
Edmond OK, 73083

35-10-34

Job Ticket: 43248

DST#: 3

ATTN: Steve Angle

Test Start: 2011.08.21 @ 00:35:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:49:00

Time Test Ended: 08:58:00

Test Type: Conventional Bottom Hole

Tester: Jace McKinney

Unit No: 28

Interval: 4656.00 ft (KB) To 4741.00 ft (KB) (TVD)

Reference Elevations: 3240.00 ft (KB)

Total Depth: 4741.00 ft (KB) (TVD)

3230.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 219.26 psig @ 4657.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.21

End Date:

2011.08.21

Last Calib.:

2011.08.21

Start Time: 00:35:01

End Time:

08:58:00

Time On Btm:

2011.08.21 @ 02:48:45

Time Off Btm:

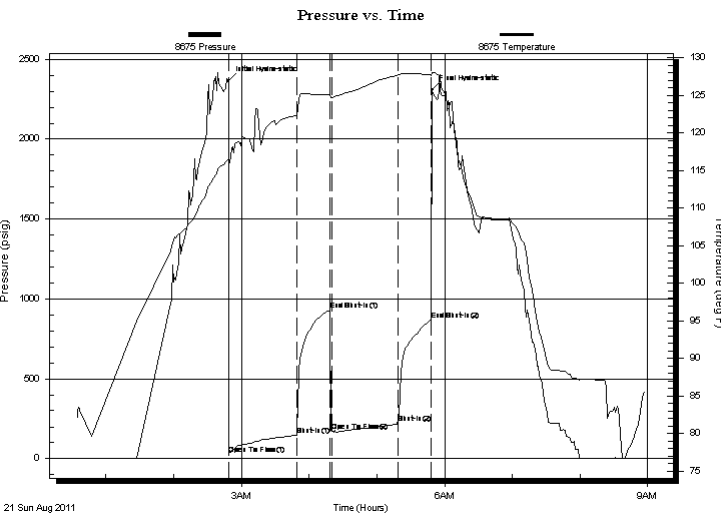
2011.08.21 @ 05:49:00

TEST COMMENT: B.O.B. in 54 min.

No return blow

Built to 7" blow

No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2364.62	116.50	Initial Hydro-static
1	29.15	115.71	Open To Flow (1)
60	146.10	122.33	Shut-In(1)
90	931.19	125.05	End Shut-In(1)
92	170.89	124.72	Open To Flow (2)
150	219.26	127.67	Shut-In(2)
180	870.69	127.69	End Shut-In(2)
181	2310.10	128.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	gcomw 10%G 20%O 20%M 50%W	0.60
122.00	ocgmw 10%O 20%G 30%M 40%W	1.71
183.00	gcw om 10%G 20%W 30%O 40%M	2.57

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil Inc.

Russell Dell Unit 1

PO Box 8050
Edmond OK, 73083

35-10-34

Job Ticket: 43248

DST#: 3

ATTN: Steve Angle

Test Start: 2011.08.21 @ 00:35:00

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:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	gcomw 10%G 20%O 20%M 50%W	0.605
122.00	ocgmw 10%O 20%G 30%M 40%W	1.711
183.00	gcw om 10%G 20%W 30%O 40%M	2.567

Total Length: 428.00 ft Total Volume: 4.883 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

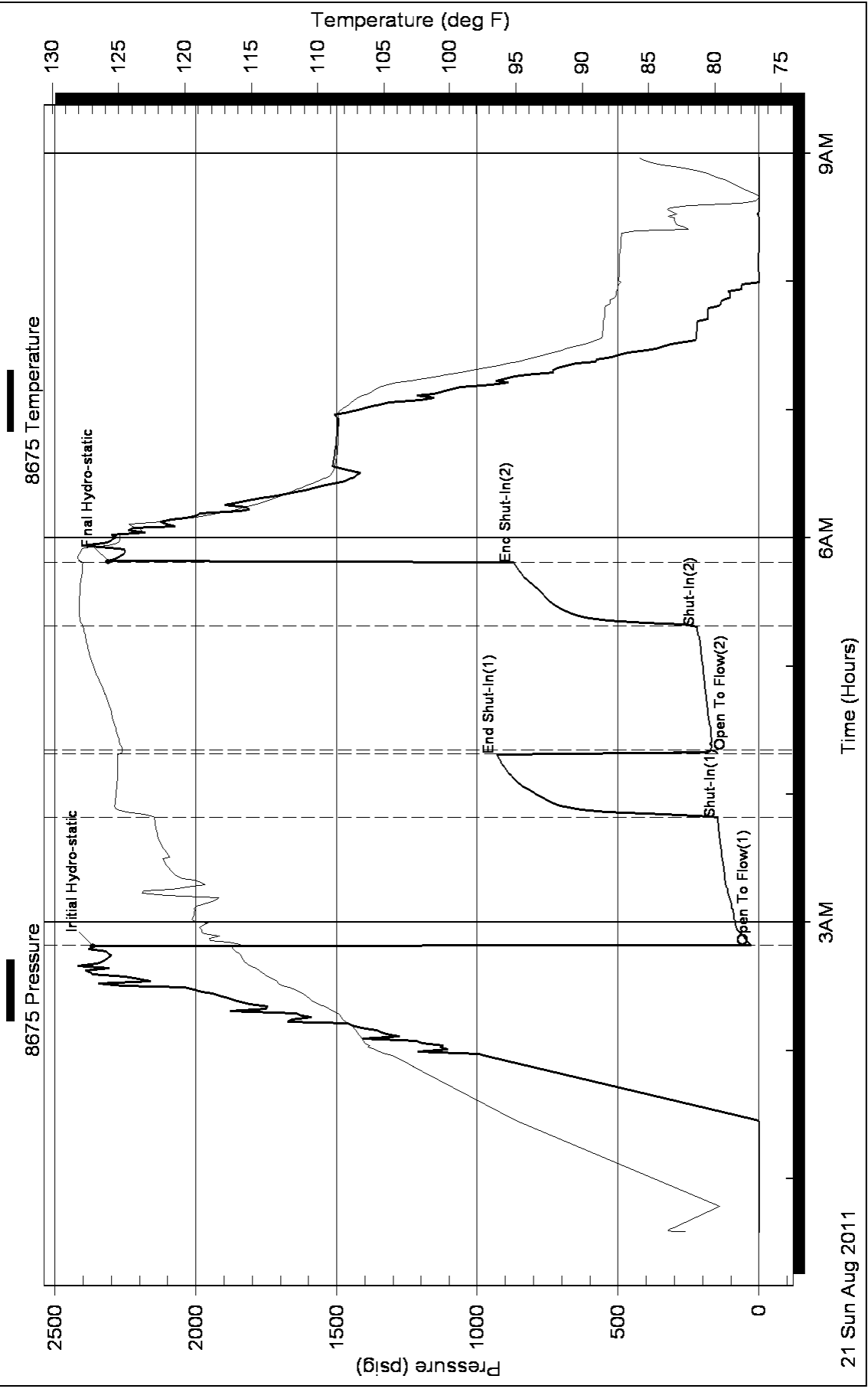
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .21 @ 74 F = 30,000

Pressure vs. Time



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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

December 06, 2011

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

Re: ACO1
API 15-193-20809-00-00
Anderson 2-31
SW/4 Sec.31-10S-34W
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



CONSOLIDATE
Oil Well Services, LLC



TICKET NUMBER 28203
LOCATION Oakley Ks
FOREMAN Walt Dinkel

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
8-28-11	7043	Anderson 2-31	31	10 ^s	34 ^W	Thomas
CUSTOMER <u>Russell Oil</u>						
MAILING ADDRESS						
CITY						
STATE						
ZIP CODE						
			TRUCK #	DRIVER	TRUCK #	DRIVER
			463	Josh Gurble		
			439	Cody Roots		

JOB TYPE Surface-0 HOLE SIZE 12 1/4 HOLE DEPTH 280' CASING SIZE & WEIGHT 8 5/8 20#
 CASING DEPTH 280' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15'-20'
 DISPLACEMENT 16 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE 5-BPM

REMARKS: Safety Meeting, rig up on H-2 Digs, rig up to circ.
Mixed 175 sks cem, 3% CC-2% Cal, Displaced 16 1/2 BBL H₂O @ 170#
Shut in, Did not circ.
ran 1", Tagged Cement 50' Down, mix 50 sks cem 3% CC-2% Cal
Circ to Surface

*Thank You
Walt & crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1,025.00	1,025.00
5406	15	MILEAGE	5.00	75.00
11045	225 sks	Class A Cement	16.80	3,780.00
1102	636	Calcium Chloride	.84	532.24
1118B	424	Bentonite	.24	101.76
5407	1058	Ten Mileage Delivery (min)	1.50	410.00
				5,926.00
		Less 10% Disc.		- 592.60
				5,333.40
			SALES TAX	290.13
			ESTIMATED TOTAL	5,623.53

248832

AUTHORIZATION Steven Craig TITLE Tool Pusher DATE 8-28-11

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.

BASIC

energy services, L.P.

1

TREATMENT REPORT

Bottom Stage

Customer Russell Oil	Lease No.	Date
Lease Anderson	Well # #2	9-7-11
Field Order # 04496A	Station Pratt	Casing 5/2"
		Depth 4898'
Type Job 5/2" Two Stage L.S. CW	Formation T04900	County Thomas
		State KS
Legal Description		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5/2"	Tubing Size	Shots/Ft	1000	Acid	gal Super Flush	RATE	PRESS	ISIP
Depth 4898'	Depth	From	To 175	Pre Pad	SKS AA2 @ 15	Max	Bottom Stage	5 Min.
Volume 11.5 1/2 Bbls	Volume	From	To	Pad		Min		10 Min.
Max Press 1500#	Max Press	From	To	Frac		Avg		15 Min.
Well Connection 1.12	Annulus Vol.	From	To	Disp.		HHP Used		Annulus Pressure
Plug Depth 4856	Packer Depth	From	To	Flush Water + mud.		Gas Volume		Total Load

Customer Representative Tad Brown	Station Manager scotty	Treater Allen
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Service Units	28443	19903	19905	19832	21010	19960	19918			
Driver Names	Allen	Mike	Mathal	TJ	Gibson	Dale	Phy			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:30 AM					on loc. Discuss Safety set up Plan Job
					Rig Laying down Drill Pipe
11:12					out of Hole w/ Bit Lay down Kelly
					+ Lay down Mouse Hole.
					Rig up to Run 5/2" casing 15.5'
12:23 PM					Start 5/2" casing Shoe Joint 42.12'
					w/ Float Shoe + Hatch down Baffle
					Cent. 1-3-5-7-9-11-13-15-17-19-52
					Basket-50 DV on SI @ 2788'
2:50					Tag Bottom 4900' Pickup 4898'
					CIR + Rotate (Pipe. Good CIR)
4:00	200#		5	5	Pump 5 BBI H ₂ O spacer
			24	5	Pump 24 BBI Super Flush II
				5	Pump 5 BBI H ₂ O spacer
				5	Mix + Pump 175 SKS AA2 @ 15.3'
			42		Finish mix - wash out Pump Line
4:18				7 1/2	Drop L.P. Plug + Start Disp.
	500#		90		caught L.P. 90 Bbls out
4:30	1500#		115		Plug down
	0#				Release OK
4:40					Drop opening Part

cont.

