



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1172175
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: _____



1172175

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Ken Baker B 34-1
Doc ID	1172175

All Electric Logs Run

COMPUTER PROCESSED INTERPRETATION
DUAL INDUCTION
DUAL COMPENSATED POROSITY
BOREHOLE COMPENSATED
SECTOR BOND
MICRORESISTIVITY

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Ken Baker B 34-1
Doc ID	1172175

Tops

Name	Top	Datum
ANHYDRITE	3449	+711
BASE ANHYDRITE	2468	+692
TOPEKA	NA	NA
HEEBNER	3915	-755
LANSING	3960	-800
MUNCIE CREEK	4134	-974
STARK SHALE	4230	-1070
BASE KC	4316	-1156
MARMATION	4366	-1206
ALTAMONT A	4380	-1220
ALTAMONT B	4393	-1233
ALTAMONT C	4408	-1248
PAWNEE	4496	-1336
MYRICK STATION	4479	-1319
FT SCOTT	4496	-1336
CHEROKEE SHALE	4522	-1362
JOHNSON	4585	-1425
MISSISSIPPI	4710	-1550



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil, Inc.
 POB 8053
 Edmond, OK 73083
 ATTN: Kitt Noah

S34-15s-35w Logan, KS
Ken Baker 'B' #34-1
 Job Ticket: 52932 **DST#: 1**
 Test Start: 2013.09.04 @ 15:23:00

GENERAL INFORMATION:

Formation: **Altamont 'B'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:37:30
 Time Test Ended: 00:04:40
 Interval: **4382.00 ft (KB) To 4408.00 ft (KB) (TVD)**
 Total Depth: 4408.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chuck Smith
 Unit No: 62
 Reference Elevations: 3160.00 ft (KB)
 3149.00 ft (CF)
 KB to GR/CF: 11.00 ft

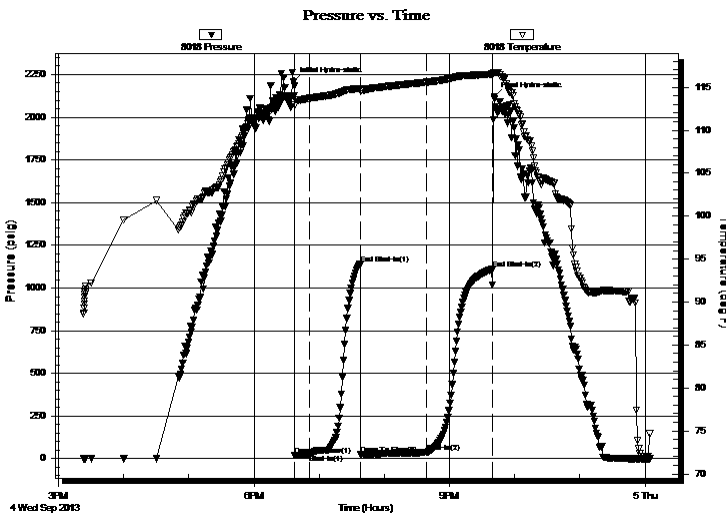
Serial #: 8018

Inside

Press @ Run Depth: 37.09 psig @ 4385.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.04 End Date: 2013.09.05 Last Calib.: 2013.09.05
 Start Time: 15:23:02 End Time: 00:04:40 Time On Btm: 2013.09.04 @ 18:36:10
 Time Off Btm: 2013.09.04 @ 21:41:09

TEST COMMENT: Weak surface blow .
 No return.
 1 1/2" Blow .
 No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2205.67	114.04	Initial Hydro-static
2	20.65	112.90	Open To Flow (1)
16	26.91	113.72	Shut-In(1)
62	1138.42	114.86	End Shut-In(1)
63	24.17	114.55	Open To Flow (2)
123	37.09	115.58	Shut-In(2)
183	1109.38	116.51	End Shut-In(2)
185	2119.60	116.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	GMCO 5g 30m 65o	0.27

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

S34-15s-35w Logan, KS

POB 8053
Edmond, OK 73083

Ken Baker 'B' #34-1

Job Ticket: 52932 **DST#: 1**

ATTN: Kitt Noah

Test Start: 2013.09.04 @ 15:23:00

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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	GMCO 5g 30m 65o	0.270

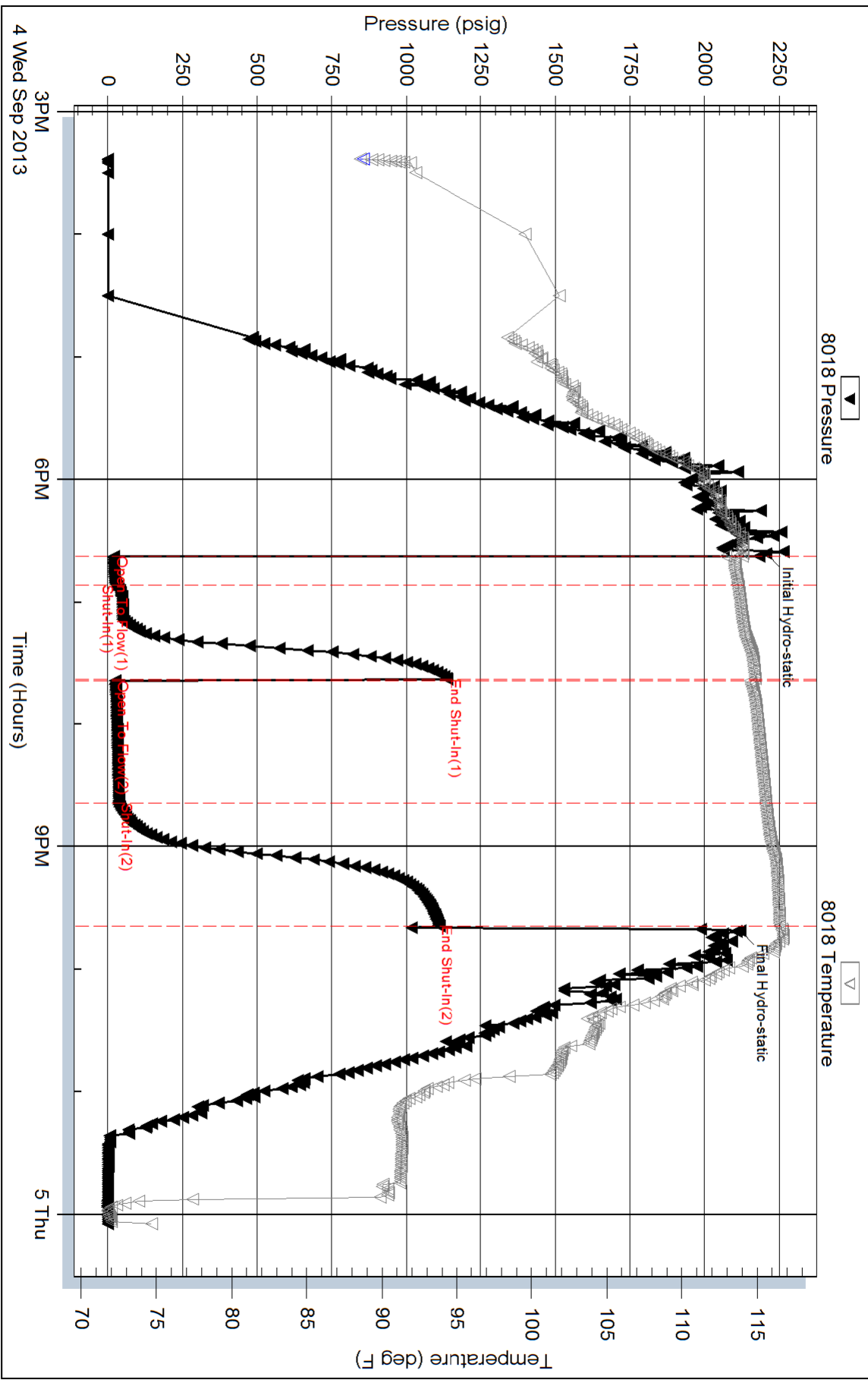
Total Length: 55.00 ft Total Volume: 0.270 bbl

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.
POB 8053
Edmond, OK 73083
ATTN: Kitt Noah

S34-15s-35w Logan, KS
Ken Baker 'B' #34-1
Job Ticket: 52933 **DST#: 2**
Test Start: 2013.09.05 @ 16:15:00

GENERAL INFORMATION:

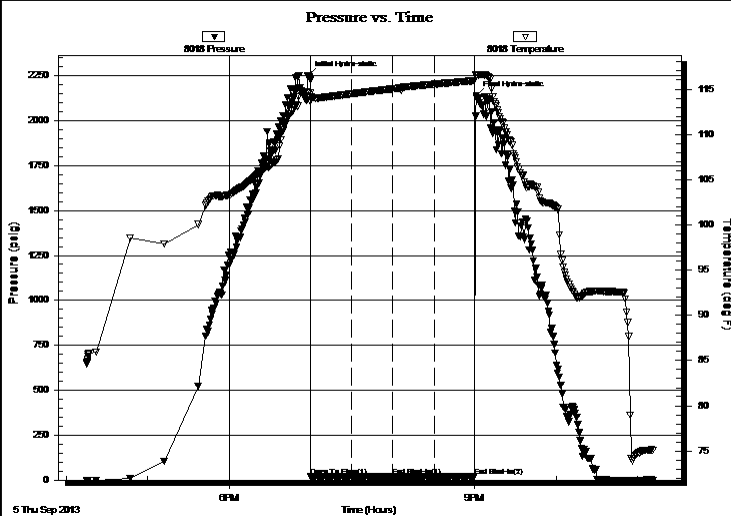
Formation: **Myric Station**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:59:40
Time Test Ended: 23:11:39
Interval: **4472.00 ft (KB) To 4500.00 ft (KB) (TVD)**
Total Depth: 4500.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Smith
Unit No: 62
Reference Elevations: 3160.00 ft (KB)
3149.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 22.59 psig @ 4477.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.09.05 End Date: 2013.09.05 Last Calib.: 2013.09.05
Start Time: 16:15:02 End Time: 23:11:40 Time On Btm: 2013.09.05 @ 18:57:40
Time Off Btm: 2013.09.05 @ 21:01:30

TEST COMMENT: Weak surface blow died @ 5 min.
No return.
No blow, flushed the tool, no blow.
No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2252.42	114.64	Initial Hydro-static
2	18.99	113.60	Open To Flow (1)
32	20.82	114.48	Shut-In(1)
63	20.08	115.03	End Shut-In(1)
63	18.91	115.03	Open To Flow (2)
93	22.59	115.54	Shut-In(2)
123	21.54	115.93	End Shut-In(2)
124	2139.52	116.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM 100m	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Russell Oil, Inc.

S34-15s-35w Logan, KS

POB 8053
Edmond, OK 73083

Ken Baker 'B' #34-1

Job Ticket: 52933 **DST#: 2**

ATTN: Kitt Noah

Test Start: 2013.09.05 @ 16:15:00

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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

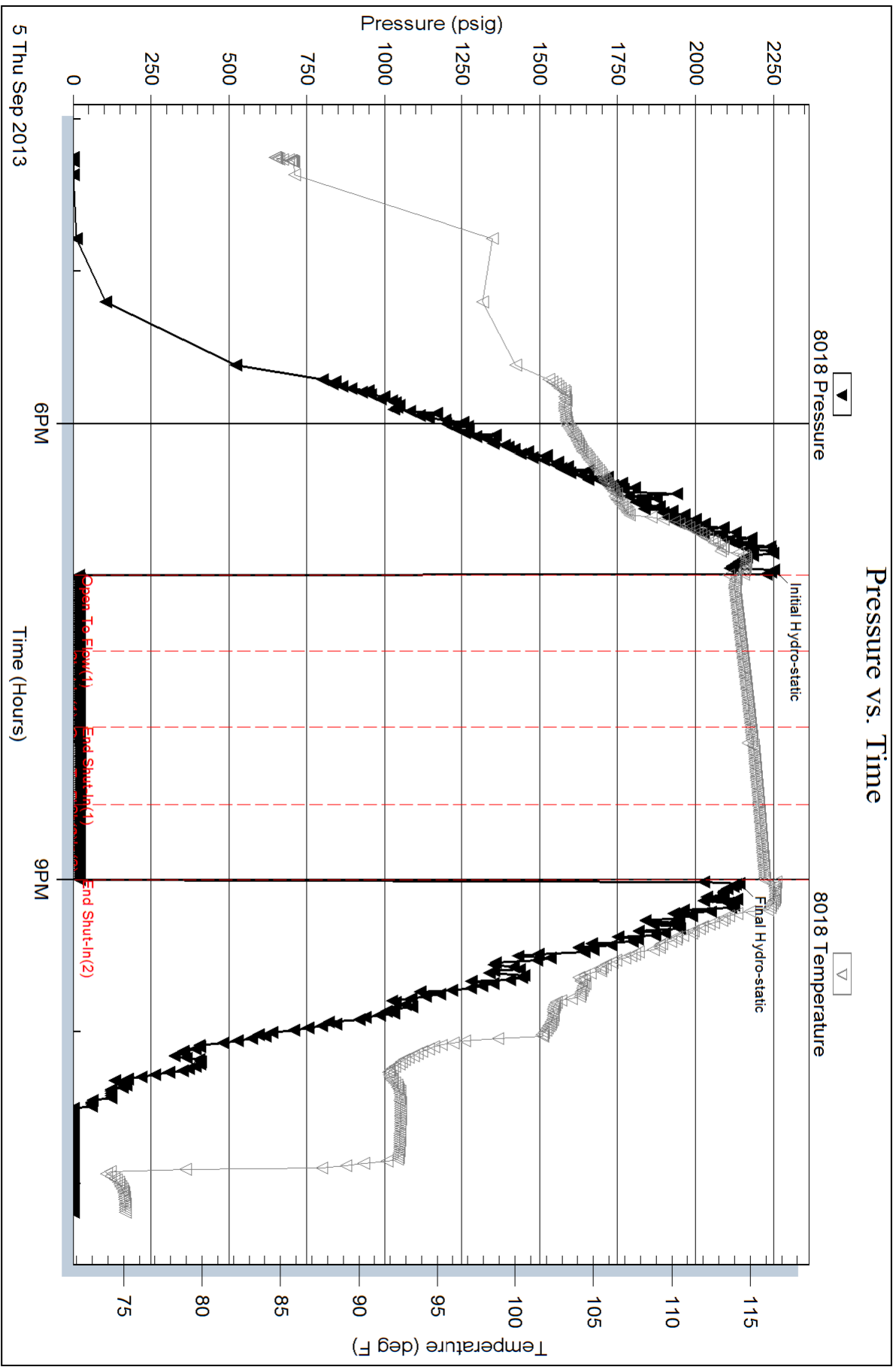
Length ft	Description	Volume bbl
5.00	OSM 100m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

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

Laboratory Name: Laboratory Location:

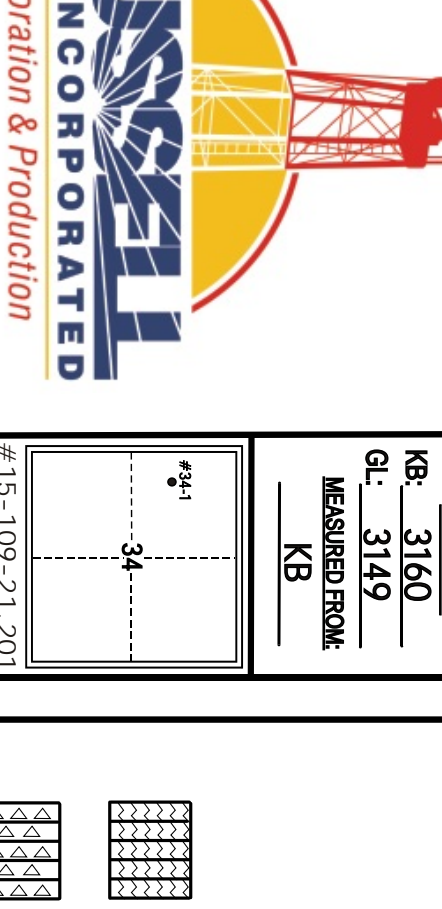
Recovery Comments:



KITT NOAH

PETROLEUM GEOLOGIST
Kansas License #229

ELEVATION: **KB 3160**
G.L. 3149
MEASURED FROM
KB



GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

OPERATOR: Russell Oil, Inc. WELL NO.: #34-1
 LEASE: Ken Baker "B" LOCATION: 1660'FN & 600'FW
 SEC.: 34 TWP.: 15S RNG.: 35W
 COUNTY: Logan STATE: KANSAS

DATE: 8/5/8 SURFACE: 307' W/ 228' SX
 PRODUCTION: 5/12/21 set
 at 4758' W/ 175' SX
 DR. TOOL: 2538' W/ 350' SX

CONTRACTOR: H2 Drilling Bldg #2
 COM: 8-29-2013 COMPLE: 7-8-2013
 RTO: 4760 LTD: 4763
 SAMPLERS SAVED FROM: 3100 TO TD
 DRILLING TIME SAVED FROM: 3100 TO TD
 SAMPLES EXAMINED FROM: 3100 TO TD
 GEOLOGICAL SUPERVISION FROM: 3180 TO TD
 MUD UP: 3450 MUD TYPE: chemical
 MUDLOG: Tony Masters/Terry Lison
 DEPTH STEEL TESTS TAKEN: 2
 Triolite - Chuck Smith

FORMATION TOP LOG DATE
 Anhydrite 2448 (+712) 2468 (+692)
 B/Anhydrite 2468 (+692) 3915 (-715)
 Heebner 3915 (-715) 3936 (-716)
 Ontario 3936 (-716) 3960 (-800)
 Lansing 3960 (-800) 4230 (-1070)
 Stark 4230 (-1070) 4316 (-1156)
 Marmaton 4316 (-1156) 4446 (-1286)
 Pawnee 4446 (-1286) 4522 (-1362)
 Cherokee 4522 (-1362) 4710 (-1550)
 Mississippian 4710 (-1550) 4763 (-1603)
 TD 4763 (-1603)

SUPERVISOR: Biopear Energy Services
 DIARY COMPENSATED PARTISY: 4760 (-1600)
 DIARY INDUCTION: 4763 (-1603)
 MICROLOG: Microlog
 BOROHOLE COMPENSATED SONIC

LEGEND



DEPTH	DRILLING TIME IN MINUTES PER FOOT	SAMPLE DESCRIPTIONS	REMARKS
2450		Anhydrite	EL 2448 (+712)
2468		B/Anhydrite	EL 2468 (+692)
3700		L.S.crm-tan fn xin fossil & ool pr fr interpart poro NSNO Sh. gry, green, maroon L.S.crm-tan fn xin sil fossil pr interpart poro subchalky NSNO L.S.crm fn xin fossil pr fr interpart poro abun mushy wht chalk NSNO L.S.AA Sh. lt gry & green L.S.crm-tan fn xin fossil w/dk inclusions pr interpart poro NSNO L.S.crm-tan fn xin fossil pr fr Fossilcast poro barren NSNO L.S.crm-tan fn xin fossil & ool pr fr ool poro NSNO L.S.crm fn xin fossil & ool fr interpart poro barren NSNO sc wht chert Sh. blk carbonaceous L.S.crm-tan fn xin fossil pr vis poro NSNO L.S.crm-gry fn xin sil fossil pr visible poro v. dense NSNO Sh. dk gry, green, maroon L.S.crm fn xin fossil pr sc fr interpart poro mostly dense NSNO L.S.tan-crm fn xin fossil pr interpart poro NSNO L.S.crm-tan fn xin fossil pr visible poro pyritic NSNO Sh. blk carbonaceous Oread L.S.crm-wht fn xin fossil v. ool sc vugular poro fr pinpoint poro abun dk brwn sply rare sat stn. S-FSFO. sil gassy odor. L.S.tan fn xin fossil pr visible poro dense NSNO L.S.crm fn xin fossil & ool pr interpart poro v. chalky 1/2 pieces med brwn edge stn. VSSF0. sil odor L.S.crm-tan fn xin pr visible poro NSNO Heebner Sh. blk carbonaceous Sh. gry, green, maroon Toronto L.S.crm fn xin fossil & ool pr fr interpart poro one piece med brwn edge stn. NSF0. no odor -- overall v. chalky Lansing L.S.crm-tan fn xin pr visible poro NSNO Sh. gry, green, maroon L.S.wht fn xin sm ool subpelletoid pr fr interpart poro few pieces med dk brwn subsat stn. VSSF0. no odor -- appears tite overall L.S. wht fn xin ool pr sc fr interpart poro many pieces chalky. 1-2 pieces med brwn edge stn. NSF0. no odor "C" Sh. gry, green & maroon L.S.crm-tan fn xin sm ool sc vugular poro misty pinpoint poro med dk brwn blk sply stn. S-FSFO. sm poss gas on brk. rocks appear tite in dry sample Sh. gry & green "D" L.S.wht fn xin fossil & ool pr interpart poro few pieces med brwn sat stn. VSSF0. no odor L.S.crm-wht fn xin sil ool pr interpart poro dense NSNO L.S.AA "E" L.S.crm-wht fn xin dolomite pr point poro dk brwn even sat stn. SSFO. poss gas on brk. fr odor L.S.crm fn xin v. ool pelletoid pr fr interpart poro iso fr pinpoint poro. Few pieces med brwn sply subsat stn. chalky. smpls washing wht. sil odor. "G" L.S.crm fn xin v. ool predom barren chalky -- smpls washing wht. 1-2 pieces it brwn sply stn. SSFO. no odor L.S.crm fn xin v. ool pr fr interpart poro. lt brwn subsat stn. SSFO. sil odor L.S.crm fn xin fossil & ool pr visible poro blocky NSNO sc wht chalk L.S.crm-wht fn xin pr interpart poro NSNO sc pieces wht chalk Muncie Crk Sh. blk carbonaceous Sh. gry, green, maroon "H" L.S.crm fn xin v. ool pelletoid pr fr interpart poro iso fr pinpoint poro. Few pieces med brwn sply stn. SSFO. sil odor L.S.crm fn xin sil fossil pr visible poro NSNO sc wht chert Sh. blk carbonaceous Sh. gry, green, maroon L.S.crm fn xin sil fossil pr visible poro dense NSNO L.S.crm fn xin fossil & ool pelletoid pr fr interpart poro chalky NSF0. no odor "J" Sh. gry, green, maroon Stark L.S.crm fn xin v. ool castic fr. rd poro w/rare 2nd xin growth. sc vugular poro med brwn edge stn. NSE0. sil quest odor -- Rocks 99% barren L.S.crm fn xin sil fossil pr visible poro dense NSNO Sh. blk carbonaceous "K" Sh. dk gry, green, maroon L.S.crm fn xin ool & oolcastic sm 2nd crystalline growth. 2-3 pieces v. lt brwn subsat stn. SSFO. no odor L.S.crm fn xin sil fossil pr visible poro subchalky NSNO L.S.AA "L" Sh. blk carbonaceous Sh. dk gry, green, maroon L.S.tan-gry fn xin pr visible poro dense blocky NSNO L.S.gry fn xin sil fossil pr fr interpart poro NSNO B/KC Sh. lt gry, green, maroon L.S.tan-gry fn xin sil fossil mottled pr visible poro NSNO L.S.tan fn xin pr visible poro dense NSNO Sh. v. dk gry Sh. dk gry & green Marmaton L.S.tan fn xin sil fossil dense blocky angular pr visible poro NSNO Ait "A" L.S.crm-tan fn xin fossil w/dk inclusions pr interpart poro NSNO Ait "B" Sh. lt gry & green Ait "C" L.S.crm fn xin dolomitic angular frac poro w/rare 2nd xin growth. sc vugular poro med brwn edge stn. SSFO. appears tite. no odor L.S.crm fn xin ool dolomitic fr vugular poro med brwn sat stn. S-FSFO. rare GSFO. fr odor on brk L.S.crm-tan fn xin pr interpart poro predom dense barren 1/2 pieces F-SFO AA. fr gassy odor Sh. blk carbonaceous Pawnee Sh. dk gry & green L.S.tan fn xin fossil pr interpart poro dense NSNO L.S.crm-tan fn xin sil fossil pr interpart poro dense NSNO L.S.tan-gry fn xin sil fossil pr visible poro dense NSNO sc dk gry angular chert Myrick Sta Sh. blk carbonaceous Fort Scott L.S.crm fn xin ool pelletoid pr fr interpart poro. lt brwn subsat & edge stn. SSFO -- sm w/GSFO in 20" circ sample. sil odor Sh. blk carbonaceous L.S.crm-tan fn xin sil fossil pr visible poro barren NSNO Cherokee L.S. AA Sh. blk carbonaceous Sh. gry, green, maroon L.S.crm-tan-brwn fn xin fossil lg oolites chalky pr interpart poro NSNO Sh. blk carbonaceous Sh. gry, green, maroon Sh. blk carbonaceous Sh. gry & maroon Johnson Zn L.S.crm-tan fn xin fossil pyritic pr interpart poro NSNO Sh. dk gry & green L.S.crm-tan fn xin ool sil pyritic pr interpart poro 1/2 pieces lt brwn sply stn. NSF0. no odor L.S.crm-tan fn xin sil fossil pr interpart poro v. dense & blocky NSNO L.S. AA. incr amt dk gry Sh L.S.crm-tan fn xin sil fossil pr interpart poro NSNO L.S.crm-gry-tan fn xin sil fossil pr visible poro blocky NSNO L.S.crm-tan fn xin fossil pr interpart poro NSNO flood dk gry Sh Morrow Sh L.S.crm-tan dense. AA Sh. abun dk gry & green. silty SS. wht med-coarse gr pr intran poro friable sm loose sd grains barren NSNO SS. wht med-coarse gr pr intran poro poorly sorted sm glauc. barren NSNO Sh. dk gry & green. sdy SS. wht fn med gr abun clusters friable well sorted pr intran poro NSNO Sh. dk gry & maroon Mississippian L.S. wht fn xin pr interpart poro sandy matrix NSNO L.S. crm fn xin embedded sd grains pr interpart poro barren NSNO L.S. wht-crm fn xin dense pr visible poro. v. sandy NSNO L.S. crm fn xin flood coarse embedded sd gr pr fr interpart poro barren NSNO L.S. crm-tan fn xin pr visible poro over all sdy matrix friable NSNO	

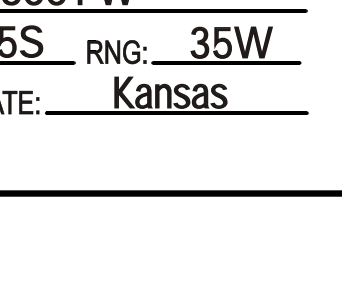
LEGEND



DEPTH	DRILLING TIME IN MINUTES PER FOOT	SAMPLE DESCRIPTIONS	REMARKS
4700		Mississippian	EL 4710 (-1550)
4500		Fort Scott	EL 4496 (-1336)
4400		Ait "C"	EL 4436 (-1206)
4300		B/KC	EL 4316 (-1156)
4200		Stark	EL 4230 (-1070)
4100		Muncie Crk	EL 4134 (-974)
4000		Lansing	EL 3960 (-800)
3900		Heebner	EL 3915 (-755)
3700		B/Anhydrite	EL 2468 (+692)
2450		Anhydrite	EL 2448 (+712)

OPERATOR: Russell Oil, Inc. LOCATION: 1660'FN & 600'FW
 LEASE: Ken Baker "B" WELL NO.: #34-1 SEC.: 34 TWP.: 15S RNG.: 35W
 API: 15-109-21,201 FIELD: Wildcat COUNTY: Logan STATE: Kansas

ELEVATION: **KB 3160**





CONSOLIDATED
Oil Well Services, LLC

261952

TICKET NUMBER 44332
LOCATION OAKLEY KS.
FOREMAN WALT DINKEL
DAMON M. TRAINING

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
8-30-13	7043	KEN BAKER B #34-1	34	15	35 W	LOGAN
CUSTOMER RUSSELL OIL CO.		DENSE W+RD 20 3N 1/2 W WINTO	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			399	DANE		
CITY			460	JACK R		
STATE						
ZIP CODE						

JOB TYPE SURFACE HOLE SIZE 12 1/4 HOLE DEPTH 309 CASING SIZE & WEIGHT 8 5/8 24'
CASING DEPTH 308 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
DISPLACEMENT 18 1/4 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: SAFETY MEETING RIG UP ON H2 RIG 2 CIRCULATE CASING
ON BOTTOM MIXED 225 SKS. COM. 3% CALCIUM 2% GEL DISP.
18 1/4 BAR OF WATER SHUT IN WASHED PUMP LINES AND
RIGGED DOWN.

CEMENT DID CIRCULATE 4 BAR TO THE BIT.

THANK YOU WALT DAMON T CREW

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150.00	1150.00 ✓
5406	40	MILEAGE	5.25	210.00 ✓
5407A	10.58	TON MILEAGE DELIVERY	1.75	740.80 ✓
11045	225 SKS.	CLASS A CEMENT	18.55	4173.75 ✓
1102	636 #	CALCIUM CHLORIDE	.94	597.84 ✓
1118B	424 #	BETONITE	.27	114.48 ✓
				1986.87
			10% LESS	698.69 ✓
				6288.18 ✓
			SALES TAX	336.40 ✓
			ESTIMATED TOTAL	6624.58 ✓

Completed

Rayin 3737
AUTHORIZATION Steven Craig TITLE Tool Pusher 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.



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

0040632171
FIELD SERVICE TICKET

1718 07146 A

DATE _____ TICKET NO. _____

DATE OF JOB 9-8-2013 DISTRICT _____		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:				
CUSTOMER RUSSELL OIL, INC.		LEASE KEN BAKER B WELL NO. 34-1				
ADDRESS _____		COUNTY LOGAN STATE Ks.				
CITY _____ STATE _____		SERVICE CREW LESLEY, McGRAD, BARTON, MUSKAT				
AUTHORIZED BY _____		JOB TYPE: CNW - 5 1/2" TWO STAGE				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 9-7-13 DATE PM 12:00
31586	7					ARRIVED AT JOB PM 4:00
77686-19908	7					START OPERATION PM 8:00
19903-13768	7					FINISH OPERATION 9-8-13 AM 3:00
19826-19860	7					RELEASED AM 3:30
						MILES FROM STATION TO WELL _____

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Todd Brown
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 105	AA-2 CMT.	SK	175		2,975.00
CP 101	A-CON BLENDS COMMON	SK	350		6,300.00
CP 103	60/40 POZ	SK	30		360.00
CC 102	CELL FLAKE	lb	44		162.80
CC 105	C-41 P DEFOAMER	lb	42		168.00
CC 111	SALT	lb	799		399.50
CC 115	C-44	lb	124		638.60
CC 129	FLA-322 LOW FLUID LOSS	lb	132		990.00
CC 201	GILSONITE	lb	875		586.25
CC 102	CELL FLAKE	lb	88		325.60
CC 109	CALCIUM CHLORIDE	lb	987		1,036.35
CF 401	TWO STAGE CMT. COLLAR, 5 1/2"	EA	1		6,100.00
CF 601	LATCH DOWN PLUG & ASSEMBLY, 5 1/2"	EA	1		850.00
CF 1251	AUTO FILL FLOAT SHOES, 5 1/2"	EA	1		360.00
CF 1651	TURBOLIZER 5 1/2"	EA	8		880.00
CF 1901	BASKET, 5 1/2"	EA	1		290.00
CF 2002	CMT. SCRATCHERS-ROTATING TYPE	EA	10		500.00
CC 155	SUPER FLUSH IT	GAL	1,000		1,530.00

SUB TOTAL **14**

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOTAL

SERVICE REPRESENTATIVE John Leahy THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Todd Brown
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____



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PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

~~1718 07147 A~~

— CONTINUATION —

DATE TICKET NO. 1718 07146 A

DATE OF JOB 9-8-2013 DISTRICT		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:			
CUSTOMER RUSSELL OIL, INC.		LEASE KEN BAKER B		WELL NO. 34-1	
ADDRESS		COUNTY LOGAN		STATE Ks.	
CITY STATE		SERVICE CREW LESLEY, McGRAN, BARTON, MUSKAT			
AUTHORIZED BY		JOB TYPE: CNW - 5 1/2" TWO STAGE			

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
						ARRIVED AT JOB				
						START OPERATION				
						FINISH OPERATION				
						RELEASED				
						MILES FROM STATION TO WELL				

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *Todd Brown*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E 100	PICKUP MILEAGE	MI	200		850.00
E 101	HEAVY EQUIPMENT MILEAGE	MI	600		4,200.00
E 113	BULK DELIVERY	TM	5,200		8,320.00
CE 205	DEPTH CHARGE: 4001'-5000'	HR	1-4		2,520.00
CE 240	BLENDING SERVICE	SK	555		777.00
CE 501	CASING SWIVEL RENTAL	EA	1		200.00
CE 504	PLUG CONTAINER CHARGE	JOB	1		250.00
CE 203	DEPTH CHARGE: 2001'-3000'	HR	1-4		1,800.00
S 003	SERVICE SUPERVISOR	EA	1		175.00

CHEMICAL / ACID DATA:			

SUB TOTAL	26,997.34
SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$
TOTAL	

SERVICE REPRESENTATIVE <i>[Signature]</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>Todd Brown</i>
---	---

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

BASIC

energy services, L.P.

Pg. # 1 OF # 2

TREATMENT REPORT

Customer	RUSSELL OIL, INC.	Lease No.		Date	9-8-2013
Lease	KEN BAKER B	Well #	34-1		
Field Order #	Station	Casing	Depth	County	State
67146	PRATT, KS.	5 1/2"		LOGAN	KS.
Type Job	Formation	Lease Description			
CNW - 5 1/2" TWO STAGE	TD = 4760'	34-15-35			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft	CMT -	175SSKS. AA-2	Max	PRESS	ISIP
5 1/2" x 15.5"					42.58'		5 Min.
Depth	Depth	From	To	Pre Pad	Min		10 Min.
4758'				21.36 CUFT ³			
Volume	Volume	From	To	Pad	Avg		15 Min.
113.2 BBL							
Max Press	Max Press	From	To	Frac	HHP Used		Annulus Pressure
1500							
Well Connection	Annulus Vol.	From	To	Flush	Gas Volume		Total Load
PC.				112.2 BBL			
Plug Depth	Packer Depth	From	To				
4715'							

Customer Representative	TODD	Station Manager	K. GORDLEY	Treater	K. LESLEY
Service Units	37586 77886 19903	73768	19826	19860	
Driver Names	LESLEY	MCBRAW	BARTON	MUSKAT	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:00 PM	9-7-2013				ON LOCATION - SAFETY MEETING
*					* BOTTOM STAGE *
					RUN 1 JTS. 5 1/2" x 15.5" CSG.
					TURBO - 2, 5, 8, 11, 15, 18, 22, 54
					BASKET - 52
					DV TOOL - 53 @ 2,538'
11:00 PM					CSG. ON BOTTOM
11:30 PM					HOOK UP TO CSG. / BREAK CIRC. W/RIG
12:00 AM	400		24	6	SUPER FLUSH II
12:05 AM	350		5	6	H ₂ O SPACER
12:08 AM	300		42	6	MIX 175SSKS. AA-2 @ 15.3 PPG
1:05 AM					CLEAR PUMP & LINE - DROP PLUG
1:09 AM	0		0	6	START DISPLACEMENT W/H ₂ O
1:18 AM	300		55	5	SWITCH TO MUD
1:26 AM	900		100	3	SLOW RATE
1:30 AM	1500		112	2	PLUG DOWN - HELD
					CIRC. THRU JOB
					PLUG R.H.
1:40 AM					DROP D.V. OPEN PLUG - OPEN DV TOOL
					CIRC. W/RIG
					OVER →

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energy services, L.P.

Pg. # 2 OF # 2

TREATMENT REPORT

Customer RUSSELL OL, INC.	Lease No.	Date 9-8-2013
Le: KEN BAKER B	Well # 34-1	
Field Order # 07140	Station PRATT, KS.	Casing 5/2" Depth
Type Job CNW - 5/2" TWO STAGE	Formation	County LOGAN State Ks.
		Legal Description 34-15-35

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	CMT-	Fluid	RATE	PRESS	ISIP	
5 1/2"	5"			350 SKS. A-CON				
Depth 4758'	Depth	From	To	Pre Pad @ 2.77 CUFT	Max		5 Min.	
Volume 113.288	Volume	From	To	Pad	Min	DV TOOL - 2535	10 Min.	
Max Press 1500	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection P.L.	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 2538'	Packer Depth	From	To	Flush 60	Gas Volume		Total Load	
				88 BBL				

Customer Representative TODD	Station Manager K. GORDLEY	Treater K. LESLEY
Service Units 37586 77686 19903 19903 13768 19826 19860		
Driver Names LESLEY MCGRAW BARTON	MUSKAT	

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
					* TOP STAGE *
2:17 AM			173	6	MIX 350 SKS. A-CON @ 11.6 PPG
2:45 AM					CLEAR PUMP - DROP D.V. CLOSE PLUG
2:48 AM			0	5	START DISPLACEMENT
2:54 AM			30	5	LIFT PRESSURE
2:57 AM			45	4	SLOW RATE
3:00 AM	1500		60	3	PLUG DOWN - CLOSE D.V. TOOL
					CIRC. THRU JOB - CIRC. 40 BBL TO PIT
					JOB COMPLETE,
					THANKS -
					KEVEN LESLEY