

Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1199604

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 #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
GG GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	Multiple Stage Cementing Collar Used?
Cathodic Other (Core, Expl., etc.):	
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Location of huid disposa if hadred offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Reached TD Recompletion Date Recompletion Date	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:			

	Page Iwo	1199604
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	
INCTDUCTIONS: Chave important tang of formations panetrated. Do	toil all aaroa Danart all final	appiag of dvill stome tasts giving interval tasted time task

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 (Attach Additional She	eets)	Yes No		-	on (Top), Depth a		Sample
Samples Sent to Geolog	gical Survey	Yes No	Name	9		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
			RECORD Ne		ion, 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 / SQU	EEZE RECORD			
Purpose:	Depth					-	

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Back TD				
Plug Off Zone				

No

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

No	(If No, skip questions 2 and 3)
No	(If No, skip question 3)

(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, Ce (Amount and Kind	ement Squeeze Record of Material Used)	Depth			
TUBING RECORD:	Siz	re:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed	Producti	on, SWD or ENHR.		Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bbls	5.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI	ON OF G	AS:	METHOD OF COMPLE					PRODUCTION IN	TERVAL:	
Vented Solo (If vented, Sul		Jsed on Lease -18.)	Open Hole Perf. Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4) Other (Specify)							

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	Тор	Datum
ANHYDRITE	2387	+669
BASE ANHYDRITE	2407	+549
ТОРЕКА	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

Form	ACO1 - Well Completion
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Well Name	Edwards Trust B 2-32
Doc ID	1199604

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
SURFACE	12.25	8.625	23	335	CLASS A	3%CC2% GEL

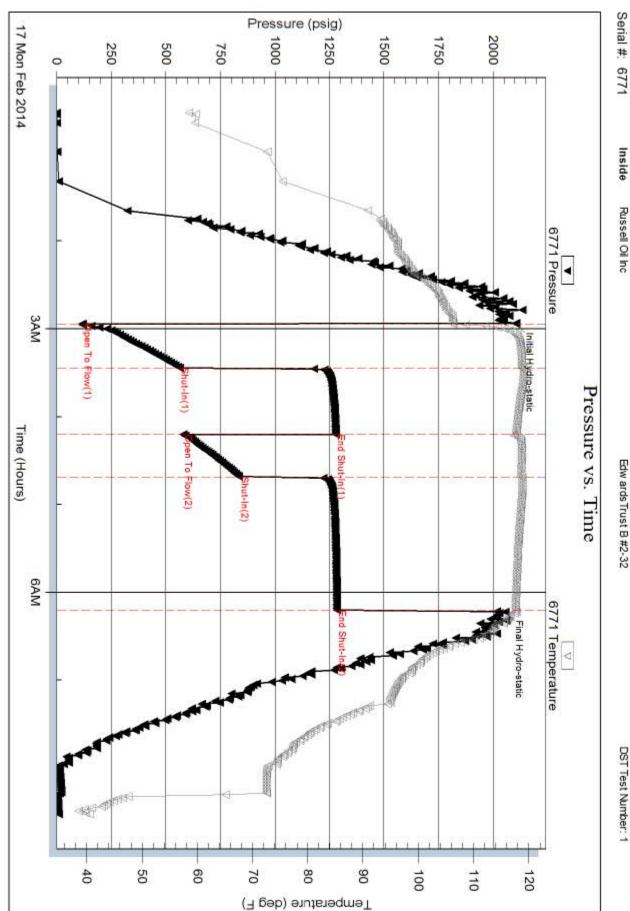
ESTING , INC						15s-34w			
	p.o. box 805	า			Edv	wardsTi	ust B	#2-32	
	Edmond, Ok					Ticket: 56		DST	#. 4
	73083	la a b							
	ATTN: Kitt M	Noan			Tes	t Start: 20	14.02.	.17 @ 00:32:39	9
RMATION:									
No Whipstock: 02:56:39	0.00 ft (KB)			Tes	ter:	Shane		Hole (Initial)
4225.00 ft (KB) (T	/D)	-			Refe			3045.	00 ft (KB) 00 ft (CF) 00 ft
Insido									
	End Dat	te:			Last Calil Time On	b.: Btm: 2		2014.02. 2.17 @ 02:56:	24
		ue	Timo						
	Real Hybrid					•	Anr	notation	
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			• • •		2055.48				
34M Time (Hours)	GAM								
Recoverv						Ga	s Rat	es	
Description		Volume (bbl)							Gas Rate (Mcf/d)
water 100%w		17.73				-1			I
c w 10%m90%w		2.64							
w 30%m70%w		1.95							
	22:56:39 28:45:09 6.00 ft (KB) To 42 4225.00 ft (KB) (TV 7.88 inchesHole Inside 836.07 psig 2014.02.17 00:32:39 T: B.O.B. in 3 1/2 m No return B.O.B in 5 1/2 mi No return Pressure vs. T Pressure vs. T T T T T T T T T T T T T T	K 0.00 ft (Constraints) 22:56:39 08:45:09 6.00 ft (KB) To 4225.00 ft (KB) (TVD) 7.88 inchesHole Condition: Fa Inside 836.07 psig 4207.00 2014.02.17 End Data 00:32:39 End Tim T: B.O.B. in 3 1/2 min. No return B.O.B in 5 1/2 min No return No return Pressure vs. Time Tree ftand ON A colspan="2">ON Tree ftand No return ON Tree ftand ON ON Description Water 100%w Colspan="2">ON	K 0.00 ft (KB) 02:56:39 0.00 ft (KB) To 4225.00 ft (KB) (TVD) 4225.00 ft (KB) (TVD) 7.88 inchesHole Condition: Fair Inside 836.07 psig @ 4207.00 ft (KB) 2014.02.17 End Date: 00:32:39 End Time: T: B.O.B. in 3 1/2 min. No return B.O.B in 5 1/2 min No return	Ko Whipstock: 0.00 ft (KB) 12:56:39 98:45:09 6.00 ft (KB) To 4225.00 ft (KB) (TVD) 4225:00 ft (KB) (TVD) 7.88 inchesHole Condition: Fair Inside 836:07 psig 4207.00 ft (KB) 2014.02.17 End Date: 2014.02. 00:32:39 End Time: 08:31:0 T: B.O.B. in 3 1/2 min. No return B.O.B in 5 1/2 min No return Time Time	K 0.00 ft (KB) 2256:39 08:45:09 6.00 ft (KB) To 4225.00 ft (KB) (TVD) 4225.00 ft (KB) (TVD) 7.88 inchesHole Condition: Fair Inside 836.07 psig @ 4207.00 ft (KB) 2014.02.17 End Date: 2014.02.17 00:32:39 End Time: 08:31:09 T: B.O.B. in 3 1/2 min. No return B.O.B in 5 1/2 min No return Freesture vs. Time Time Time Time Time Time Time Pressure vs. Time Time	K 0.00 ft (KB) Tes 12:56:39 Tes 18:45:09 Unit 6.00 ft (KB) To 4225.00 ft (KB) (TVD) 4225.00 ft (KB) (TVD) Ref 4225.00 ft (KB) (TVD) 7.88 inchesHole Condition: Fair Inside 836.07 psig @ 4207.00 ft (KB) Capacity 2014.02.17 End Date: 2014.02.17 Last Cali 00:32:39 End Time: 2014.02.17 Last Cali No return B.O.B. in 3 1/2 min. No return No return B.O.B in 5 1/2 min. No return No return Pressure vs. Time Pf Time on Time on Time on Time 0n 117.63 140.00 min the second secon	K No Whipstock: 0.00 ft (KB) Test Type: Itest Type: </td <td>k No Whipstock: 0.00 ft (KB) 12:56:39 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 17:88 inchesHole Condition: Fair 17:88 inchesHole Condition: Fair 16:45 16:45:09 17:88 inchesHole Condition: Fair 16:45 16:45:09 17:88 inchesHole Condition: Fair 16:45 16:45:09 17:88 inchesHole Condition: Fair 16:45 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 17:70 End S 17:70 End S 17:7</td> <td>K Whipstock: 0.00 ft (KB) Test Type: Conventional Bottom 98:45:09 Tester: Shane McBride Unit No: 55 6.00 ft (KB) To 4225.00 ft (KB) (TVD) Reference Elevations: 3056. 7.88 inchesHole Condition: Fair KB to GR/CF: 11. Inside 2014.02.17 End Date: 2014.02.17 Last Calib.: 2014.02.17 @ 02.56. 00:32:39 End Time: 08:31:09 Time Off Btm: 2014.02.17 @ 02.66. Time Off Btm: 2014.02.17 @ 02.66. 15. 0.B. in 3 1/2 min. No return B.O.B in 5 1/2 min No return No return 16.0.B. in 5 1/2 min. No return Solut-h(1) 11.62 106.31 Initial Hydro-static 131 563.17 118.71 Shut-h(1) 11.76 106.31 Initial Hydro-static 105 866.07 118.60 Shut-h(1) 0 pen To Flow (2) End Shut-h(2) 115 583.17 118.71 Shut-h(1) 116.61 Shut-h(2) End Shut-h(2) 116 128.38 11</td>	k No Whipstock: 0.00 ft (KB) 12:56:39 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 17:88 inchesHole Condition: Fair 17:88 inchesHole Condition: Fair 16:45 16:45:09 17:88 inchesHole Condition: Fair 16:45 16:45:09 17:88 inchesHole Condition: Fair 16:45 16:45:09 17:88 inchesHole Condition: Fair 16:45 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 16:45:09 17:70 End S 17:70 End S 17:7	K Whipstock: 0.00 ft (KB) Test Type: Conventional Bottom 98:45:09 Tester: Shane McBride Unit No: 55 6.00 ft (KB) To 4225.00 ft (KB) (TVD) Reference Elevations: 3056. 7.88 inchesHole Condition: Fair KB to GR/CF: 11. Inside 2014.02.17 End Date: 2014.02.17 Last Calib.: 2014.02.17 @ 02.56. 00:32:39 End Time: 08:31:09 Time Off Btm: 2014.02.17 @ 02.66. Time Off Btm: 2014.02.17 @ 02.66. 15. 0.B. in 3 1/2 min. No return B.O.B in 5 1/2 min No return No return 16.0.B. in 5 1/2 min. No return Solut-h(1) 11.62 106.31 Initial Hydro-static 131 563.17 118.71 Shut-h(1) 11.76 106.31 Initial Hydro-static 105 866.07 118.60 Shut-h(1) 0 pen To Flow (2) End Shut-h(2) 115 583.17 118.71 Shut-h(1) 116.61 Shut-h(2) End Shut-h(2) 116 128.38 11

$\langle \hat{\mathbf{O}} \rangle$		DRI	LL STEM TEST REPO	DRT	F	LUID SUMMAR
語	RILOBITE ESTING , INC	Russe	ll Oil Inc	32-15s-3	4w Scott,Ks	
	ESTING , INC	1 1	x 8050	Edward	sTrust B #2-32	
		Edmon	d, Ok	Job Ticket	: 56280	DST#:1
V 57		73083 ATTN:	Kitt Noah	Test Start	: 2014.02.17 @ 00::	32:39
Aud and Cus	shion Information	ļ				
/lud Type: Gel	I Chem		Cushion Type:		Oil API:	0 deg API
/lud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	33500 ppm
/iscosity:	58.00 sec/qt		Cushion Volume:	bbl	-	
Vater Loss:	7.20 in ³		Gas Cushion Type:			
Resistivity:	0.00 ohm.m		Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm					
ilter Cake:	1.00 inches					
lecovery Inf	ormation		Recovery Table			
	Lon	ath	Description	Volume		
	Len		Description	bbl		
		1504.00	salt water 100%w	17.5	727	
		188.00	s m c w 10%m90%w		637	
		139.00	mcw 30%m70%w	1.9	950	
	Total Length:	1831	.00 ft Total Volume: 22.314	4 bbl		
	Num Fluid Sam	ples: 0	Num Gas Bombs: 0	Seria	ll #:	
	Laboratory Na		Laboratory Location:			
			/ .224 @ 64*f= 33,500 chlor			

Printed: 2014.02.17 @ 10:33:19

Ref. No: 56280

Trilobite Testing, Inc



Edw ards Trust B #2-32

Inside

Russell Oil Inc

DST Test Number: 1

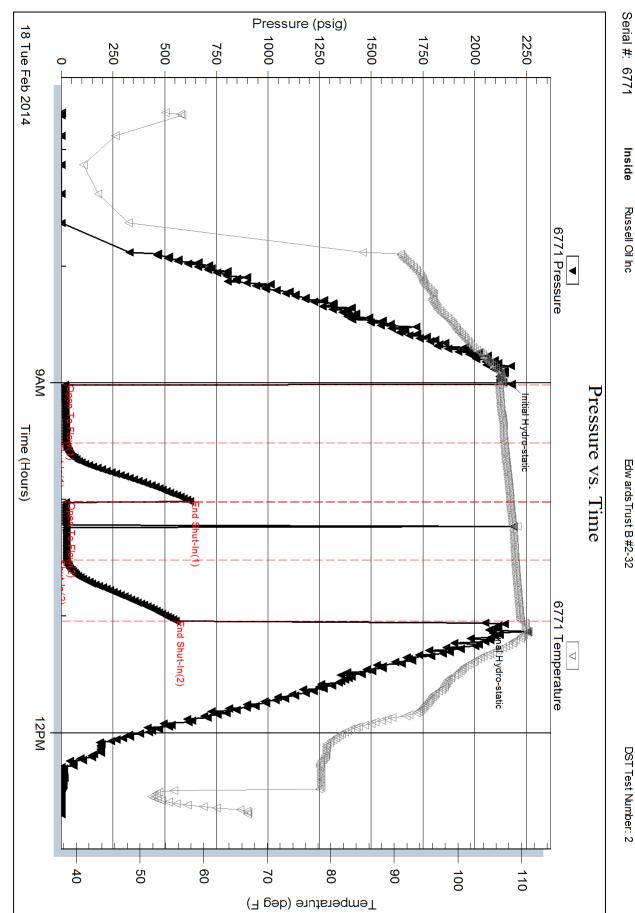
	DRILL STEM TE	STREP	ORI			
RILOBITE	Russell Oil Inc		32-15	5s-34w S	Scott,Ks	
ESTING , IN	C p.o. box 8050 Edmond, Ok				st B #2-32	
	73083 ATTN: Kitt Noah			cket: 5628	4.02.18 @ 0	DST#:2
nj)∞aj{,			1631 0	Jan. 201-	1.02.10 @ 0	0.41.00
GENERAL INFORMATION:						
Formation: Alt A-B Deviated: No Whipstock Time Tool Opened: 09:00:50 Time Test Ended: 12:55:05	: 0.00 ft (KB)		Test T Tester Unit No	r: Sh	ane McBrid	Bottom Hole (Reset) e
Total Depth: 4420.00 ft (KB)	4420.00 ft (KB) (TVD) (TVD) lole Condition: Fair		Refere	ence Eleva KB to (ations: GR/CF:	3056.00 ft (KB) 3045.00 ft (CF) 11.00 ft
Serial #: 6771 Inside						
Press@RunDepth: 26.53 psig Start Date: 2014.02.18 Start Time: 06:41:08	8 End Date:	2014.02.18 12:42:05	Capacity: Last Calib.: Time On Btr Time Off Bt	m: 20	20 14.02.18 @ 14.02.18 @	
No return Pressure v	tool, Good surge , No blow				0111111	
			PRE	SSURE	SUMMA	RY
6771 Pressure	 6771 Temperature	Time	Pressure	Temp	SUMMA Annotation	
ZZO		• (Min.) 0	Pressure (psig) (2175.88	Temp (deg F) 106.97 Ir	Annotation	static
6771 Pressure		• (Min.) • 0 1	Pressure (psig) (2175.88 19.35	Temp (deg F) 106.97 Ir 106.29 C	Annotation hitial Hydro- Dpen To Flor	static
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229 779 190 190 190 190 190 190 190 19		(Min.) (Min.) 0 1 31 31	Pressure (psig) (2175.88 19.35 22.23 622.31 22.74	Temp (deg F) 106.97 Ir 106.29 C 107.27 S 108.23 E 108.11 C	Annotation hitial Hydro- Open To Flov Shut-In(1)	static w (1) 1)
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ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference ze difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference difference di	y Volume (bbl)	(Min.) (Min.) (Min.) (Min.) (1) (Min.) (1) (1) (1) (1) (1) (1) (1) (1	Pressure (psig) (2175.88 19.35 22.23 622.31 22.74 26.53 551.39	Temp (deg F) 106.97 Ir 106.29 C 107.27 S 108.23 E 108.11 C 108.99 S 109.81 E 110.49 F	Annotation hitial Hydro- Dpen To Flov Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) End Shut-In(3) End Shut-	static w (1) 1) w (2) 2) static
The Feb 2014 Tree file Length (ft)	y Volume (bbl)	(Min.) (Min.) (Min.) (Min.) (1) (Min.) (1) (1) (1) (1) (1) (1) (1) (1	Pressure (psig) (2175.88 19.35 22.23 622.31 22.74 26.53 551.39	Temp (deg F) 106.97 Ir 106.29 C 107.27 S 108.23 E 108.11 C 108.99 S 109.81 E 110.49 F	Annotation hitial Hydro- Dpen To Flov Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) End Shut-In(3) End Shut-	static w (1) 1) w (2) 2) static
200 200 200 200 200 200 200 200	y Volume (bbl)	(Min.) (Min.) (Min.) (Min.) (1) (Min.) (1) (1) (1) (1) (1) (1) (1) (1	Pressure (psig) (2175.88 19.35 22.23 622.31 22.74 26.53 551.39	Temp (deg F) 106.97 Ir 106.29 C 107.27 S 108.23 E 108.11 C 108.99 S 109.81 E 110.49 F	Annotation hitial Hydro- Dpen To Flov Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) End Shut-In(3) End Shut-	static w (1) 1) w (2) 2) static

RILOBI		RILL STEM TEST REPOR	RT	FLU	JID SUMMAR
	Rus	sell Oil Inc	32-15s-34v	w Scott,Ks	
I ESTIN	Edm 7308	box 8050 ond, Ok 13 N: Kitt Noah	Job Ticket: 5	Frust B #2-32 56281 D 2014.02.18 @ 06:41	5T#: 2 05
Aud and Cushion Info	rmation				
Aud Type: Gel Chem Aud Weight: 9.00 lb/ Viscosity: 56.00 se Vater Loss: 8.77 in ³ Resistivity: 0.00 oh Salinity: 5800.00 pp Filter Cake: 1.00 ind	/gal ec/qt am.m om	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	ft bbl psig	Oil API: Water Salinity:	0 deg API 0 ppm
Recovery Information					
r		Recovery Table		-	
	Length ft	Description	Volume bbl		
	5.00	mud 100%m	0.02	5	
Tota	I Length:	5.00 ft Total Volume: 0.025 k	bl		

Printed: 2014.02.18 @ 13:22:26

Ref. No: 56281





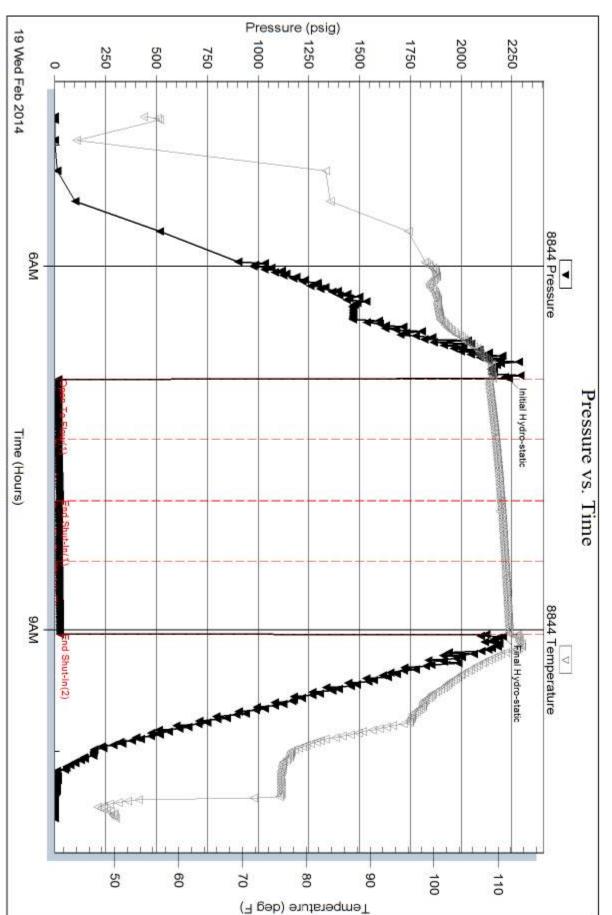
RILOBITE	DRILL STEM							
TESTING, INC	Russell Oil Inc			32-	15s-34w	Scott,Ks		
	p.o. box 8050			Ed	wardsTr	rust B #2-3	2	
	Edmond, Ok 73083			Job	Ticket: 56	6282	DST#:	3
	ATTN: Kitt Noah			Tes	t Start: 20	014.02.19 @	04:45:55	
GENERAL INFORMATION:								
Formation:Ft ScottDeviated:NoWhipstock:Time Tool Opened:06:55:55Time Test Ended:10:55:55	0.00 ft (KB)			Tes	ter:	Conventional Shane McBri 55		le (Reset)
Interval: 4476.00 ft (KB) To 45 Total Depth: 4515.00 ft (KB) (Th Hole Diameter: 7.88 inches Hole	/D)			Ref	erence ⊟e KB t	evations: to GR/CF:	3056.00 3045.00 11.00	ft (CF)
Serial #: 8844 Outside								
Press@RunDepth: 22.01 psig Start Date: 2014.02.19	@ 4477.00 ft (KB) End Date:		2014 02 10	Capacity		,	8000.00	psig
Start Date: 2014.02.19 Start Time: 04:45:55	End Date: End Time:		2014.02.19 10:32:55	Last Cali Time On		<u>،</u> @ 2014.02.19	2014.02.19 2) 06:55:40	
				Time Off		2014.02.19 @	-	
No return Pressure vs. T 8944 Pressure	Sme 8944 Tomposture ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	 	Time (Min.)	Pressure	Temp	RE SUMMA Annotatio		
220		- 110	Time (Min.) 0 1 30 61		Temp (deg F) 109.22 108.44 109.64	Annotatio Initial Hydro Open To Fle Shut-In(1)	n o-static ow (1)	
220		- - - - - - - - - - - - - - - - - - -	(Min.) 0 1 30 61 61	Pressure (psig) 2234.23 17.86 18.56 25.39 18.02	Temp (deg F) 109.22 108.44 109.64 110.49 110.49	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo	n o-static ow (1) n(1)	
2200 1700 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 200 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2		- - - - - - - - - - - - - - - - - - -	(Min.) 0 1 30 61 61 91	Pressure (psig) 2234.23 17.86 18.56 25.39 18.02 22.01	Temp (deg F) 109.22 108.44 109.64 110.49 110.49 111.14	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2)	n o-static ow (1) n(1) ow (2)	
Pressure vs. T		- - - - - - - - - - - - - - - - - - -	(Min.) 0 1 30 61 61	Pressure (psig) 2234.23 17.86 18.56 25.39 18.02	Temp (deg F) 109.22 108.44 109.64 110.49 110.49	Annotatio Initial Hydro Open To Fla Shut-In(1) End Shut-In Open To Fla Shut-In(2) End Shut-In	n o-static ow (1) n(1) ow (2) n(2)	
Pressure vs. T	BH Represented in the section of the		(Min.) 0 1 30 61 61 91 127	Pressure (psig) 2234.23 17.86 18.56 25.39 18.02 22.01 26.53	Temp (deg F) 109.22 108.44 109.64 110.49 110.49 111.14 111.79 113.08	Annotatio Initial Hydro Open To Fla Shut-In(1) End Shut-In Open To Fla Shut-In(2) End Shut-In	n o-static ow (1) n(1) ow (2) n(2)	
Pressure vs. T	BH Represented in the section of the		(Min.) 0 1 30 61 61 91 127	Pressure (psig) 2234.23 17.86 18.56 25.39 18.02 22.01 26.53	Temp (deg F) 109.22 108.44 109.64 110.49 110.49 111.14 111.79 113.08	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In Final Hydro	n static ow (1) (1) ow (2) (2) static	as Rate (Mct/d)
Pressure vs. T Stor Free 204 Pressure Tree (hand) Pressure value Stor Free 204 Pressure value Pressure valu	BHI Temperature BHI Temperature All and a second		(Min.) 0 1 30 61 61 91 127	Pressure (psig) 2234.23 17.86 18.56 25.39 18.02 22.01 26.53	Temp (deg F) 109.22 108.44 109.64 110.49 111.44 111.79 113.08	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In Final Hydro	n static ow (1) (1) ow (2) -static	as Rate (Mcf/d)
Pressure vs. T	BH Temperature BH Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature		(Min.) 0 1 30 61 61 91 127	Pressure (psig) 2234.23 17.86 18.56 25.39 18.02 22.01 26.53	Temp (deg F) 109.22 108.44 109.64 110.49 111.44 111.79 113.08	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In Final Hydro	n static ow (1) (1) ow (2) -static	as Rate (Mcf/d)
Pressure vs. T	BH Temperature BH Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature		(Min.) 0 1 30 61 61 91 127	Pressure (psig) 2234.23 17.86 18.56 25.39 18.02 22.01 26.53	Temp (deg F) 109.22 108.44 109.64 110.49 111.44 111.79 113.08	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In Final Hydro	n static ow (1) (1) ow (2) -static	as Rate (Mcf/d)
Pressure vs. T	BH Temperature BH Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature		(Min.) 0 1 30 61 61 91 127	Pressure (psig) 2234.23 17.86 18.56 25.39 18.02 22.01 26.53	Temp (deg F) 109.22 108.44 109.64 110.49 111.44 111.79 113.08	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In Final Hydro	n static ow (1) (1) ow (2) -static	as Rate (Mcf/d)
Pressure vs. T	BH Temperature BH Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature Temperature		(Min.) 0 1 30 61 61 91 127	Pressure (psig) 2234.23 17.86 18.56 25.39 18.02 22.01 26.53	Temp (deg F) 109.22 108.44 109.64 110.49 111.44 111.79 113.08	Annotatio Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In Final Hydro	n static ow (1) (1) ow (2) -static	as Rate (Mct/d)

		RILL STEM TEST REPO	RT	FLU	IID SUMMARY
	DIIE Ru	ssell Oil Inc	32-15s-34v	w Scott,Ks	
I ES	Edi 730	. box 8050 nond, Ok)83 TN: Kitt Noah	Job Ticket:	Frust B #2-32 56282 DS 2014.02.19 @ 04:45:	iT#: 3
				2014.02.19 @ 04.45.	55
Mud and Cushion In	formation				
Viscosity: 56.00 Water Loss: 8.76 Resistivity: 0.00 Salinity: 6400.00	ohm.m	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	ft bbl psig	Oil API: Water Salinity:	0 deg API 0 ppm
Recovery Information	'n				
		Recovery Table		_	
	Length ft	Description	Volume bbl		
	3.0	0 mud 100%m	0.01	5	
Т	otal Length:	3.00 ft Total Volume: 0.015	bbl		
ח 	ecovery Comments				

Printed: 2014.02.19 @ 11:31:35

Ref. No: 56282

Trilobite Testing, Inc



Serial #: 8844 Outside Russell Oil Inc

Edw ards Trust B #2-32

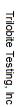
DST Test Number: 3

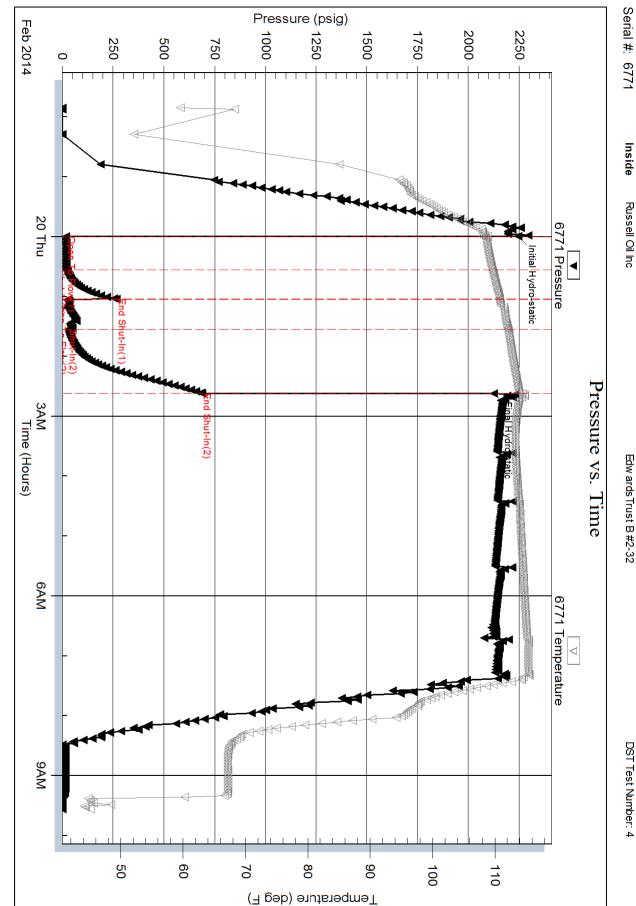
RILOBITE	Russell Oil Inc			32-	15s-34w	Scott,Ks		
ESTING , INC.	p.o. box 8050 Edmond, Ok 73083 ATTN: Kitt Noah			Ed Job	wardsTr Ticket: 56	rust B #2-3	32 DST#:	4
Formation: Johnson Deviated: No Whipstock: Time Tool Opened: 23:59:53 Time Test Ended: 09:50:23	0.00 ft (KB)			Tes	ster:	Conventiona Shane McBri 55		ole (Reset)
Interval:4564.00 ft (KB) To459Total Depth:4590.00 ft (KB) (TVHole Diameter:7.88 inches Hole	D)			Ref	erence Ele KB t	evations: to GR/CF:) ft (KB)) ft (CF)) ft
Serial #: 6771InsidePress@RunDepth:27.58 psigStart Date:2014.02.19Start Time:21:50:53TEST COMMENT:Weak blow died i	End Date: End Time:		2014.02.20 09:34:23	Capacity Last Cali Time On Time Off	ib.: Btm: 2	2014.02.19 (2014.02.20 (3
No return No blow , Flush to No return	ol , Good surge, No blow							
Pressure vs. Ti				PI	RESSUF	RE SUMM	ARY	
Presure vs. TS	IIIC	- 1100 - 1000 - 500 Temperature (deg F) - 700 - 500	Time (Min.) 0 1 34 63 63 94 157 158	PI Pressure (psig) 2244.01 19.32 21.61 267.47 27.03 27.58 686.43 2125.00	Temp (deg F) 108.83 108.04 109.59	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl	n o-static ow (1) n(1) ow (2) n(2)	
		Temperatura (deg F) - S 2 2 2 2 2 2	(Min.) 0 1 34 63 63 94 157	Pressure (psig) 2244.01 19.32 21.61 267.47 27.03 27.58 686.43	Temp (deg F) 108.83 108.04 109.59 110.79 110.70 112.06 113.87 114.41	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	n o-static ow (1) n(1) ow (2) n(2) o-static	Gas Rate (Mcf/d)

	DR	ILL STEM TEST REPOR	Т	FLU	JID SUMMARY
RILOBITE	Russe	ell Oil Inc	32-15s-34v	v Scott,Ks	
ESTING , II	Edmo 73083	ox 8050 nd, Ok 3 : Kitt Noah	Job Ticket: 5	Trust B #2-32 56283 DS 2014.02.19 @ 21:50	53
Mud and Cushion Informatio	 n				
Mud Type:Gel ChemMud Weight:9.00 lb/galViscosity:55.00 sec/qtWater Loss:8.79 in³Resistivity:0.00 ohm.mSalinity:6400.00 ppmFilter Cake:1.00 inches		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	ft bbl psig	Oil API: Water Salinity:	0 deg API 0 ppm
Recovery Information					
		Recovery Table	-	-	
Le	ngth ft	Description	Volume bbl		
	2.00	Heavy mud w/oil spots	0.010	2	
Total Length		2.00 ft Total Volume: 0.010 bbl	I		
Recovery C	omments:				

Printed: 2014.02.20 @ 11:10:37

Ref. No: 56283





DST Test Number: 4

Føderal Tax I.	SSERVICES, LLC 062219
REMIT TO P.O. BOX 93999	SBRVICE POINT:
SOUTHLAKE, TEXAS 76092	Oakly K<
DATE 2-21-14 SEC. TWP. RANGE	CALLED OUT ON LOCATION JOB START JOB FINISK
Generalation	5(MPM 5(MPM
DLD OR SEW (Circle one)	W TO to line 3 N & into Jugon 16 4
CONTRACTOR H2 # 3	OWNER Same
TYPEOFJOB PTO HOLESIZE 778 T.D. 4750	CEMENT
CASING SIZE DEPTH	AMOUNT ORDERED 7.20. ALA 60/40 Poze
TUBING SIZE DEPTH	192 gel 14# flater O
ТОО́Г ДЕРТИ	<u> </u>
PRES. MAX MINIMUM	COMMON_ 13 7 81720 3263 80-
MEAS. LINE SHOE JOINT	POZMIX 8 8 9 35 822 8
CEMENT LEFT IN CSO. PERFS.	GEL 8240 23 40 18730
DISPLACEMENT	CHLORIDE
EQUIPMENT	flateal 55# 02 11 163 55
PUMPTRUCK CEMENTER Value Goobel	
BULK TRUCK	
# 3964306 DRIVER Thom (Two)	@
BULKTRUCK	@
DRIVER	HANDLING 236, 5744 - 2 - 568 73
	MILEAGE 9.462 × 50 × 2 1229 10
REMARKS:	TOTAL 5334/68
250 2390	
400 390	SERVICE
10 0 40	DEPTH OF JOB 2 39/01
30 RH ISMH	PUMPTRUCK CHARGE 12.50
	MILEADE MILEY 50 972 3853
	MILLEAUB <u>MI HU 50 @ 7 2 385 92</u> MANIFOLD
	MELV 50 042 2209
CHARGE TO: PILSAGO ALO	@
	mail 18760
STREET	TOTAL 1855
CITYSTATEZIP	
£	PLUG & FLOAT EQUIPMENT
a second se	
	@
To: Allied Oil & Gas Services, LLC.	@
You are hereby requested to rent cementing equipment	
and furnish cementer and helper(s) to assist owner or conjunctor to do work as is listed. The above work was	
done to satisfaction and supervision of owner agent or	TOTAL
contractor. I have read and understand the "GENERAL	
TERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (If Any)
Leor Edoba	TOTAL CHARGES 7,189,68
PRINTED NAME JOSE C. Fiblic	DISCOUNT 1, 581.72 IF PAID IN 30 DAYS
	5,607.95 Net.
SIGNATURE	1 5/17 56 1 1007

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P C	ONSOLDA	TED	21.1	10112		TICKET NUMB	ER 43し	
	Cit Wall Barvisse	LLC	aut	3943		LOCATION	Uanty 1	
		-					11165 31	1 Cul
Box 884, C	hanute, KS 66720	, FIEI			TMENT REF	VORT		11-
	or 800-487-8678			CEMEN			611144	
DATE	CUSTOMER#		NAME & NUM		SECTION	TOWNSHIP	RANGE	COUNTY
2-12-14	7043	Edwards +	Frast "B"	2-32	32	155	340	Logan
BTOMER	0	Coil		Parce hs	TRUCK#	DRIVER	TRUCK#	DRIVER
LING ADDR	<u>Russell</u>	0.1		2W+0A/	399	Jaron L		DRIVER
	240			North		Cody l		
Y		TATE	ZIP CODE	- He Con within	340	CONY C		
•	-			NIEN				
C			12/10"	 HOLE DEPTI	32/	CASING SIZE & V		23+
TYPE_S	- Coll		141			LADING BILL & V		
sing depti	111.02	RILL PIPE	101	_TUBING			OTHER	1
IRRY WEIG	101111		<u>1.36</u>	WATER galls		CEMENT LEFT in	GASING <u></u>	
PLACEMEN	T + 1 (6 664) 0	HAPLACEMEN	T PSI	MIX PSI	<u> </u>		out la	
MARKS:	Satety Mre	the an	d cig ap	an HZ	Untling 1		repte le re	104
712 22	SSAS (loss A	<u>Cement</u>	with S	18 Callin	<u>~ 2091</u>	ais flan	d 17 12h
later '	Shutin C	enert	did C	ir Culate	56415	topit		
						Thank 1	nila + C	reul
				······································	•	Than Is M	niles + C	reul
ACCOUNT	QUANITY o	r UNITS		ESCRIPTION 0	f SERVICES or P		UNIT PRICE	TOTAL
CODE	QUANITY o	w UNITS	D PUMP CHAR	_				
CODE	QUANITY o			_			UNIT PRICE	TOTAL
CODE 40/5	QUANITY :	ж UNIT8 35 57 Емб	PUMP CHAR	_			UNIT PRICE	TOTAL
CODE 40/5 5406	101	35	PUMP CHAR	GE	f SERVICES or P		UNIT PRICE	TOTAL
CODE 10/5 5406 5406 102	101 101	35 57 Tons #	PUMP CHAR MILEAGE Ton 1 Calco	ge nitrage un Chi	SERVICES or P		UNIT PRICE //.50 ** 5.25 1.75 .44	TOTAL //50 ** /83:75 647.50 575.96
CODE 40/5 5406 5406 1/02 1/02	101 101 134 - 101 2	35 57 Tons # 25 SAS	PUMP CHAR MILEAGE Ton 1 Calco	ge nitrage un Chi	SERVICES or P		UNIT PRICE 11.50 == 5.25 1.75 .44 18.55	TOTAL //50 ** /83:75 647.50 575.96
CODE 10/5 5406 5406 102	101 101	35 57 Tons # 25 SAS	PUMP CHAR MILEAGE Ton 1 Calco	GE	SERVICES or P		UNIT PRICE //.50 ** 5.25 1.75 .44	TOTAL
CODE 40/5 5406 5406 1/02 1/02	101 101 134 - 101 2	35 57 Tons # 25 SAS	PUMP CHAR MILEAGE Ton 1 Calco	ge nitrage un Chi	SERVICES or P		UNIT PRICE 11.50 == 5.25 1.75 .44 18.55	TOTAL //50 ** /83:75 647.50 575.96
CODE 10/5 5406 5406 1102 1102	101 101 134 - 101 2	35 57 Tons # 25 SAS	PUMP CHAR MILEAGE Ton 1 Calco	ge nitrage un Chi	SERVICES or P		UNIT PRICE 11.50 == 5.25 1.75 .44 18.55	TOTAL //50 ** /83:75 647.50 575.96
CODE 40/5 406 406 1/02 1/02	101 101 134 - 101 2	35 57 Tons # 25 SAS	PUMP CHAR MILEAGE Ton 1 Calco	ge nitrage un Chi	SERVICES or P		UNIT PRICE 11.50 == 5.25 1.75 .44 18.55	TOTAL //50 ** /83:75 647.50 575.96
CODE 10/5 406 107 1102 1102	101 101 134 - 101 2	35 57 Tons # 25 SAS	PUMP CHAR MILEAGE Ton 1 Calco	ge nitrage un Chi	SERVICES or P		UNIT PRICE 11.50 == 5.25 1.75 .44 18.55	TOTAL //50 ** /83:75 647.50 575.96
CODE 10/5 5406 5406 1102 1102	101 101 134 - 101 2	35 57 Tons # 25 SAS	PUMP CHAR MILEAGE Ton 1 Calco	ge nitrage un Chi	SERVICES or P		UNIT PRICE 11.50 == 5.25 1.75 .44 18.55	TOTAL //.50 /83:75 G47.50 595.96
CODE 10/5 5406 5406 1102 1102	101 101 134 - 101 2	35 57 Tons # 25 SAS	PUMP CHAR MILEAGE Ton 1 Calco	ge nitrage un Chi	SERVICES or P		UNIT PRICE 11.50 == 5.25 1.75 .44 18.55	TOTAL //50 ** /83:75 647.50 575.96
CODE 40/5 406 406 1/02 1/02	101 101 134 - 101 2	35 57 Tons # 25 SAS	PUMP CHAR MILEAGE Ton 1 Calco	ge nitrage un Chi	SERVICES or P		UNIT PRICE //.50 == 5.25 1.75 .94 18.55 .27	TOTAL //SO ** /83:75 GY7.50 S75.96 Y/73.75 1/4.2/
CODE 40/5 5406 5406 1/02 1/02	101 101 134 - 101 2	35 57 Tons # 25 SAS	PUMP CHAR MILEAGE Ton 1 Calco	ge nitrage un Chi	SERVICES or P	RODUCT	UNIT PRICE //.50 ==/ 5.25 1.75 .94/ 18.55 .27 	TOTAL // SO ** /83: 75 GY7. 50 S75.96 Y/73.75 1.14.21
CODE 40/5 5406 5406 1/02 1/02	101 101 134 - 101 2	35 57 Tons # 25 SAS	PUMP CHAR MILEAGE Ton 1 Calco	ge nitrage un Chi	SERVICES or P	RODUCT	UNIT PRICE //.50 ~ 5.25 1.75 .44 /B.55 .27 .27 	TOTAL // SO ** /83: 75 GY7. 50 S75.96 Y/73.75 1.14.21
CODE 40/5 5406 5406 1/02 1/02	101 101 134 - 101 2	35 57 Tons # 25 SAS	PUMP CHAR MILEAGE Ton 1 Calco	ge nitrage un Chi	I SERVICES or P		UNIT PRICE //.50 ==/ 5.25 1.75 .94/ 18.55 .27 	TOTAL //SO ** /83:75 GY7.50 S75.96 Y/73.75 1/4.2/
CODE 40/5 5406 5406 1/02 1/02	101 101 134 - 101 2	35 57 Tons # 25 SAS	PUMP CHAR MILEAGE Ton 1 Calco	ge nitrage un Chi	I SERVICES or P		UNIT PRICE //.50 ~ 5.25 1.75 .44 /B.55 .27 .27 	TOTAL //SO /83,75 (647.50 575.96 4/73,75 1/14.2/
1015 5406 5406 1102 1102	101 101 134 - 101 2	35 57 Tons # 25 SAS	PUMP CHAR MILEAGE Ton 1 Calco	ge nitrage un Chi	I SERVICES or P		UNIT PRICE //.50 ~ 5.25 1.75 .44 /// /// /// /// /// /// ///	TOTAL // SD ** /83: 75 GY7.50 S75.96 Y/73.75 1.14.21
CODE 10/5 5406 102 1/02 1/045 1/188 1/188		35 57 Tons 225 SAS 3 A	PUMP CHAR MILEAGE Ton M Calco Class Bente	ge nitrage un Chi	I SERVICES or P		UNIT PRICE //.50 ~ 5.25 1.75 .44 ///. ///. ///. ///. ///. ///. ///. ///. ///. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. //. /.	TOTAL //SO /83,75 (647.50 575.96 4/73,75 1/14.2/
CODE Ho/S S404 J/02 J/02 J/04S J//FB	101 101 134 - 101 2	35 57 Tons 225 SAS 3 A	PUMP CHAR MILEAGE Ton M Calco Class Bente	ge nitrage un Chi	I SERVICES or P		UNIT PRICE //.50 ~ 5.25 1.75 .44 /// /// /// /// /// /// ///	TOTAL // SD ** /83: 75 GY7.50 S75.96 Y/73.75 1.14.21

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.

KB: 3056 GL: 3045

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

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>
SAMPLE TO			ELECTRIC				
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": 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

Circulate 4040' Lansing "F": 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.

Circulate 4140' Lansing "H": 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":

Limestone, cream; oolitic; scattered vugualr 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 $1\frac{1}{2}$'s and 1's...

> 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

Circulate 3981'

Circulate 4176'

DST #1:

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...

<u>Marmaton Altamont "A":</u> 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.

<u>Marmaton Altamont "B":</u> Limestone, cream-gray; slightly fossiliferous; possible fracture porosity; 5-6 pieces light brown spotty stain; slight show of free oil; no odor.

<u>Marmaton Altamont "C":</u> Limestone, cream; fossiliferous; poor interparticle porosity; appears barren; no show of free oil; no odor.

<u>DST #2:</u>

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*

<u>DST #3:</u>

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"

<u>Johnson Zone:</u> 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*

<u>DST #4:</u>

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...

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

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