

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1048464

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 #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / 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 #	County:
Name:	Lease Name: Well #:
	Field Name:
Wellsite Geologist:	
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
OG GSW Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Deilling Fluid Menonement Dien
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Chloride content: ppm Fluid volume: bbls
Conv. to GSW	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Operator Name:
SWD Permit #:	Lease Name: License #:
ENHR Permit #:	Quarter Sec TwpS. R East West
GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date Recompletion Date	

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:								

	Side Two	1048464
Operator Name:	Lease Name:	Well #:
Sec TwpS. 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 (Attach Additional Sho	eets)	Yes No		og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted B (If no, Submit Copy)	Electronically	 Yes No Yes No Yes No 					
List All E. Logs Run:							
			G RECORD				
		Report all strings se	t-conductor, surface, inte	ermediate, producti	on, etc.	1	
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: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated								ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Size: Set At:				Packer At: Liner Run:				No	
Date of First, Resumed Production, SWD or ENHR.			۲.	Producing N	_	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. Gas Mc		Mcf	of Water Bbls.		Bbls.	Gas-Oil Ratio	Gravity		
DISPOSITION OF GAS:					METHOD	OF COMPLE	TION:		PRODUCTION INTE	RVAL:
Vented Sold Used on Lease			Open Hole	Perf.	Dually (Submit)					
(If vented, Submit ACO-18.)				Other (Specify)						

Form	ACO1 - Well Completion						
Operator	Russell Oil, Inc.						
Well Name	Steinle 1-32						
Doc ID	1048464						

All Electric Logs Run

MICRORESISTIVITY
DUAL INDUCTION
BOND LOG
POROSITY LOG

Form	ACO1 - Well Completion					
Operator	Russell Oil, Inc.					
Well Name	Steinle 1-32					
Doc ID	1048464					

Tops

Name	Тор	Datum			
ANHYDRATE	932	+996			
BASE OF ANHYDRATE	964	+964			
ТОРЕКА	2843	-915			
HEEBNER	3074	-1146			
TORONTO	3074	-1160			
LANSING	3136	-1208			
BASE OF KANSAS CITY	3372	-1444			
ARBUCKLE	3395	-1467			



energy services, L.P.

È.

TREATMENT REPORT

 $\left(\begin{array}{c} & & \\ &$

	89 31		C B, L.P.							4	na anta prograda		
Customer Kus	seIL Di	iltNe	_	Lease N	lo.				Date		<u></u>		
<u>ease</u> <u>Ste</u>	isle			Well #	31	-32			9	-11,	-12	、 、	
Field Order	# Statio	n AHKS	··· ··································		<u> </u>	Casing	/ Depti	n (02	County	<u> </u>	<u> </u>)	State
Turne Joh	11 1					-12/2 -11 al	Formation	1	1039	<u>denseda-</u> 	Legal	Description	KANG
PIF	PE DATA	PER	FORATIN	G DAT/		FLUID I		<u> </u>				RESUME	
asing Size	Tubing Si	ze Shots/	Ft	24	BR	sid Suga	r fluch	TT F	RATE	PRE	SS	ISIP	
epth yo.	, Depth	From	То			re Pad H2		Max				5 Min.	
blume XOS	 Volume 	From	То	25			<i>/</i> ?	Min SCAUP	erer b	. C	D 12	10 Min.	
ax Press	A Max Pres	s From	To			ac AA-		Avg				15 Min.	A
ell Connect	tion Annulus \	/ol. From	То			s 6014		HHP Used	Rh	4 、	+ Mo	Annulus P	
ug Depth		From	То		El	ush ush	HZO	Gas Volum		/	<u>+ 7770</u>	Total Load	0/2
istomer Re	presentative	Cours	/	Statio	on Mai	nonior /	stt-4		Treate	r Л	llen	FI	verth
1 St. 1 St. 1	28443	19989	1984	2 199	60						1100	-	1
river 🐇 : ames	worth	Kerun		0	1	Mitche	11		ļ				
Time	Casing Pressure	Tubing Pressure	Bbis. Pu	Т		Rate			I	Send	ce Log		
5.00 6	PM 9-	15.10					ONLO	< 0.				1 Cal	Plan
							0.1	441NG	doi		~	Pu a	Pe.
730							Out of	E Kole		<u> </u>	· / 1	A	ww Ke
830							Shoe	Join	, /	1.2		1 -	. Guide.
							INGER	. I- 0.	11 40	_		Co IIA	- Outure
			1				Cent.		¥			<u>8-9-1</u>	1-12
							61-		72.			· · · ·	
1030	1 ¹⁰ 10 10						TAS A	ottom	0			+ cil	5 4-
						*	Rot		,pe			d c'	
130		1. A.	24	1		5	Pumo		V	,		er flu	<u> </u>
			5	~		_5	Pump	566	~ d	1.	20	<u></u>	<u>~~~~~~~~</u>
			ି			.5	DUMP			60	140	Poz a	SCAVerge
			с 			5	PUME	2 125	- sk	_ /	AA	20	15.31
			31	2			Finis	h ni	i×-	L) F	ish	aut PC	Impthin
147						6/2	DIOR	TOPV	Rub	be	- Plu	s. J.St.	art Disp
	10007	e.				5	CAUGH	t. Li.	f+	P	SIJ	60	BBIS
1200	9-16-1		301	1/2		4	Plus	dow	/	10	00		
						1	Rola	ise l	25	Ţ	<u>, , (</u>	った."	
							Plus	·RAT	Ho.	10.	ω/c	OSKE	60/40/20
							WACh	UP VO	RACK	40	3.		
30						et and a second	66	COM	- 1	Le			
							+ HAN,	K< KII	IPN	K	PPUM	w Br	Ad.
10244	I NE Hiwa	ay 61 • P	.O. Box	8613	• Pra	att, KS 67	7124-861	3 • (620)	672-1	201	• Fax	(620) 67	72-5383

Taylor Printing, Inc. 620-672-3656

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

No.

4196

Home Office P.O. Box 32 Russell, KS 67665 Phone 785-483-2025 Cell 785-324-1041 Sec. Two, Bange County State On Location Finish

Sec.	Twp. Range	County State On Location Finish						
Date 9.8.0 32	15 14 /2	essell Kausay 3:455m						
Lease type V	Vell No. / Locati	on Para 13.5. Roled						
Contractor Sathund	Willie Kall	Owner						
Type Job Supface	A Providence	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish						
Hole Size	T.D. 936	cementer and helper to assist owner or contractor to do work as listed.						
Csg. St. 2.1	Depth 930	Charge Russell ()						
Tbg. Size	Depth	Street						
Tool	Depth	City State						
Cement Left in Csg.	Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.						
Meas Line	Displace S7 Rbj	Cement Amount Ordered 365 Can 3960 2860						
EQUIPA	MENT	and the particular of the product of the local data and the						
Pumptrk No. Cementer Helper	eve	Common						
Bulktrk No. Driver	WP	Poz. Mix						
Bulktrk No. Driver	an	Gel.						
JOB SERVICES	& REMARKS	Calcium						
Remarks:	ender ¹ annen an der State der State Miller	Hulis						
Rat Hole		Salt						
Mouse Hole		Flowseal						
Centralizers	the second s	Kol-Seal						
Baskets		Mud CLR 48						
D/V or Port Collar		CFL-117 or CD110 CAF 38						
	-	Sand						
11.	1 - 1	Handling						
- 1 and Call	(11 m lot - 1	Mileage						
		FLOAT EQUIPMENT						
and the second s		Guide Shoe						
		Centralizer						
	and the second	Baskets						
	1997 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AFU Inserts						
		Float Shoe						
		Latch Down						
	and the state of the state	1 Ball Hake						
		Pubber the						
-1+7		Pumptrk Charge						
Thank	a for an it is the state devices of a	Mileage						
	the second s	Tax						
A Construction of the second s	and a strategy that the set	Discount						
X Signature	an an the the second for the second	Total Charge						

GEOLOGICAL REPORT PREPAIRED FOR

10

LECIE

NOV 2 6 2010

BY:

Init



Lease: STEINLE 1-32

NUSS Oil Field

Section 32, Township 15 South, Range 14 West

2300'FSL, 360'FWL or SE, NW, NW, SW

RUSSELL COUNTY, KANSAS

API # 15-167-23658-00

Commenced: September 8, 2010

Completed: September 16, 2010

Geologist Report

Central Kansas Surveying, Great Bend , KS Location Sec. 32, T15S, R14W, W/2,SE, NW, NE or 990' From North Line, 1730' From East Line

1-32 Steinle lease is located in Section 32, Township 15 South, Range 14 West, in Russell County, Kansas. Approximately 3/4 miles east, on Michaels Road 1/4 mile south of Milberger, Kansas

G.L. = 1921 ft. K.B. = 1928 ft. D.F. = ~1926 ft. +/- Top of Kelly Bushing = 7 ft.

Spud - 09/08/10 Surface casing - New 8 $\frac{5}{8}$ set @ +/-930 ft. on 09/09/10 & e-logged 8.625'' at 929' on 9/15/10

Southwind Drilling, Inc. - Rig #4, Ellinwood, KS; Tool Pusher – Bob Sanders – with three four-person crews

MudCo, Inc. Great Bend, KS – Mud supplier & Drilling fluids daily mud monitoring – Rick Hughes & Jason Whiting ; Mud Type - Chemical in dug pit; water source from Landon Creek near location by Midwest Waterline Services, LLC; Ron Wiesner and KDWR permitted.

LogTech of Hays City, KS J. Long – Electrical Logs/Down Hole (open) Microresistivity, Dual Induction, Compensated Neutron Density logs. 9/15/10

RTD - 3410 ft. LTD - 3403 ft.

ł

Sample collected wet-dry for reviewed from 2700 ft. to 3410 ft. 09/10/2010 through 09/15/2010

٢

Trilobite Testing Inc. Hays City, KS office; Tester–Brett Dickerson; Six (6) Drill Stem Tests review:

DST #1 3045'-3140' IH 1471, FIF 19, FFF 29, ISI 911, SIF 36, SFF 85, FSI 515, FH1435 5-60-60 Recovered 90'vsocm 5%0, 95%m-60'osm, 35%w,65%m

DST #2 3140'-3180' IH 1530, FIF 47, FFF 82, ISI 531, SIF 91, SFF 274, FSI 513, FH1471 5-60-60-60 Recovered 75'gmwco 20%g,30%o,25%w 25%m. 60'gsomcw 10%g,5%o.55%w,30%m. 120'oilspt. sgmcw 5%g,90%w,5%m. 240' water & 420'gip

DST #3 3210'-3241' IH 1594, FIF 29, FFF 42, ISI 491, SIF51, SFF 98, FSI 360, FH 1479 5-60-60 Recovered 30'mcw 70%w,30%m. 165' vgmco 60%g,30%o,10%m. 30'vgwo 60%g,15%o,15%w,10%m

DST #4 3260'3310' IH 1640, FIF 27, FFF 63, ISI 425, SIF 74, SFF 195, FSI 412, FH 1,547 5-60-60 Recovered 30'm, 120'mcw 90%w,10%m, 240'mcw, 70%w,30%m

DST #5 3340'-3377' IH 1701, FIF 18, FFF 19, ISI 409, SIF 21, SFF 34, FSI 284, FH1602 5-60-60 Recovered 45'socm10%, 90%m

DST #6 3365-3410' IH1610, FIF 18, FFF 22, ISI 1093, SIF 24, SFF 62 FSI 1067, FH 1595 5-60-60-60 Recovered 90' vsocm 5%o, 95%m

See attached Trilobite Testing DST reports for complete reporting.

ι.

Based on the sample review the DST results and the electrical log, 5 ½" casing was set in the Steinle 1-32 at a total depth of 3403 ft. on 09/16/2010 by Production Manager Todd Brown for Russell Oil, Inc. and ran & installed by D&R Casing Crews of Great Bend, KS. Cement circulated and pumped installed by BASIC Cementing Services, Inc. of Pratt, KS.

STEINLE 1-32 Formation Top	DS		KB=1928	3'
FORMATION Top(s)	Sample Top(s)	E-Log Top(s)	Datum	Kiel A
Stone Corral (Anhydrate)	930'ROP	932'	(+996')	(+1001')
Base of Anhydrate	NC	964'	(+964')	(+970')
Topeka	2843'	2843'	(-915')	(-918')
Heebner	3072'	3074'	(-1146')	(-1149')
Toronto	3090'	3090'	(-1160')	(-1165')
Lansing	3134'	3136'	(-1208')	(-1212')
Base of Kansas City	3365'	3372'	(-1444')	(-1453')
Arbuckle	3393'	3395'	(-1467')	(-1460')

A completed Wellsite plotted geologist (Geoplotted) report is attached.

۲

.

The following Sample Review is based on samples with structure, slight shows, shows, hydrocarbon odor present. The DST number which covered this interval is also indicated.

<u>Foronto</u>
3090'-3100' Clear vuggy limestone with good odor, good oil show, fair/weak
porosity, good fluorescence, DST #1
<u>ansing / KC</u>
3136' -3180' Dull white buff limestone good/fair odor, good show of oil in few pieces, poor porosity, fair fluorescence, DST #1& 2
3210'-3242 Dull white limestone with oomoldic structure with fair oil show, good odor, fair fluorescence, DST #3
3260'-3310'
Base of KC
3370'-3390' Dull limestone with slight stain with fair odor, DST #5 & 6
Arbuckle
3395'-3405' Slight oil-stained brown crystalline dolomite with good strong odor & stain oil sand grains, and fair fluorescence, DST #6

GeoCertified, LLC guarantees and/or warrants that the information contained herein has been prepared based upon the most up-to-date data available at the time of the prognostic research, drilling evaluation and documentation. GeoCertified, LLC explicitly disclaims any liability incurred as a result from the utility of said information, samples, and documentation.

Prepared and respectfully submitted by,

Kevin J. Bailey, Wellsite Petroleum Geologist for:

GeoCe fified, LLC

TRILOBITE	NC.			t Ticket	
P.O. Box 1733 • F	lays, Kansas 67601		NO.	040347	
Well Name & No. Stein le 1-32 Company Russell Oil Anc		Elevation <u></u>	<u></u>	Date, KB_ <u>/ 9-2_ (</u>	GL
Address PO Boy 3030 Ed	mound OK 13	Rig_ <u></u>		n Fight stand	
Co. Rep / Geo. <u>A comp</u> Location: Sec. <u>3 2</u> Twp. <u>/ 6</u>	- / t. /	Hig	<u>inter en const</u>	State for the	
Interval Tested	Zone Tested	taina la		~ ~ ~	<u> </u>
Anchor Length	— _ •			Mud Wt. <u>9.</u> 2	
Top Packer Depth		124		Vis <u> </u>	
Bottom Packer Depth	100-			WL_ <u>\$.\$</u>	
Total Depth		00ppm S	/stem	LCM	
Blow Description <u>27-2</u> 14 in 60	- 9 Communi		<u> </u>		<u> </u>
JSZ. No blow					
FE- Gis plan				······	
FSt - No Blow				و مربعہ ر	<u></u>
Rec_90 Feet of VSOCTU	·····	%gas	%oil		s %mud
Rec. 6 C Feet of Sector of A	section and	%gas	%oil	<u>34 %water</u> 63	%mud
Rec Feet of		%gas	% <u>oil</u>	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total <u>13</u> BHT <u>26</u>	Gravity	_ API RW@	•	F Chlorides	ppm
(A) Initial Hydrostatic_////////////////////////////////////	`_`,```_`_` Test		T-On L	_ocation	
(B) First Initial Flow	🖸 Jars		T-Star	11.11.11	
(C) First Final Flow	Safety Joint		T-Ope		
(D) Initial Shut-In	Circ Sub		T-Pulle	and the second s	
(E) Second Initial Flow	D Hourly Standby		T-Out		
(F) Second Final Flow	Mileage	<u> < 2</u>	Comm	nents	
(G) Final Shut-In	Sampler	- <u> </u>		Latin	
(H) Final Hydrostatic	Straddle			uined Shale Packer	
· · · · · · · · · · · · · · · · · · ·				uined Packer	
Initial Open				tra Copies	
Initial Shut-In6_6				otal	
Final Flow 6.0		······································	Total_		
Final Shut-In 60				OST Disc't	
	Sub Total		IVIP"/L		
				1.00	

ATEN		DRILL STEM TE	ST REP	ORT		
(JEW)	RILOBITE	Russell Oil, Inc.		Ste	inle 1-3	2
	ESTING , INC	PO Box 8050 Edmond OK 73)83	32-	15-14.R	ussell Ks
	-				Ticket: 40	
		ATTN: Kevin Bailey		Tes	t Start: 20	010.09.11 @ 08:42:36
GENERAL	INFORMATION:					
-	Toronto No Wnipstock: ened: 11:40:06 ded: 16:36:36	ft (KB)		Tes	ter:	Conventional Bottom Hole Brett Dickinson 47
Interval: Total Depth: Hole Diamete	3045.00 ft (KB) To 3 3140.00 ft (KB) (T	VD)		Ref	erence Ele KB t	evations: 1928.00 ft 1921.00 ft to GR/CF: 7.00 ft
TEST COM	MENT: IF-2.25in blow ISI-No blow FF-6in blow FSI-No blow					2010.09.11 @ 14:46:36
	Pressure vs.	Time		PI	RESSUF	RE SUMMARY
1002	Pressure vs. 7		(Min.) , 0	Pressure (psig) 1471.11	Temp (deg F) 95.40	Annotation Initial Hydro-static
1002			" (Min.) 0 5 11	Pressure (psig) 1471.11 19.09 29.02	Temp (deg F) 95.40 95.19 95.28	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1)
500			(Min.) (Min.) 5 5 11 5	Pressure (psig) 1471.11 19.09 29.02 911.06	Temp (deg F) 95.40 95.19 95.28 95.92	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1)
500			(Min.) (Min.) 5 5 11 5	Pressure (psig) 1471.11 19.09 29.02 911.06 36.38 85.04	Temp (deg F) 95.40 95.19 95.28 95.92 95.72 96.39	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2)
			(Min.) 0 5 11 71 71 71 71 71 131 131 190	Pressure (psig) 1471.11 19.09 29.02 911.06 36.38 85.04 515.04	Temp (deg F) 95.40 95.19 95.28 95.92 95.72 96.39 96.77	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2)
4003 400 500 500 500 500 500 500 500	CHERNICAL CONTRACTOR OF CONTRA		(Min.) 0 5 11 71 71 71 71 71 131 131 190	Pressure (psig) 1471.11 19.09 29.02 911.06 36.38 85.04 515.04	Temp (deg F) 95.40 95.19 95.28 95.92 95.72 96.39 96.39 96.77 97.06	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static
	COTO Desize		(Min.) 0 5 11 71 71 71 71 71 131 131 190	Pressure (psig) 1471.11 19.09 29.02 911.06 36.38 85.04 515.04	Temp (deg F) 95.40 95.19 95.28 95.92 95.72 96.39 96.39 96.77 97.06	Annotation Initial Hydro-static Open To Flow (1) Shut-in(1) End Shut-in(1) Open To Flow (2) Shut-in(2) End Shut-in(2) Final Hydro-static
	CHERNICAL CONTRACTOR OF CONTRA	Volume (tbl)	(Min.) 0 5 11 71 71 71 71 71 131 131 190	Pressure (psig) 1471.11 19.09 29.02 911.06 36.38 85.04 515.04	Temp (deg F) 95.40 95.19 95.28 95.92 95.72 96.39 96.77 97.06	Annotation Initial Hydro-static Open To Flow (1) Shut-in(1) End Shut-in(1) Open To Flow (2) Shut-in(2) End Shut-in(2) Final Hydro-static
CO3 11D 200 11 Car Set 2010 Length (fl)	COTO PARTIES	Volume (tbl)	(Min.) 0 5 11 71 71 71 71 71 131 131 190	Pressure (psig) 1471.11 19.09 29.02 911.06 36.38 85.04 515.04	Temp (deg F) 95.40 95.19 95.28 95.92 95.72 96.39 96.77 97.06	Annotation Initial Hydro-static Open To Flow (1) Shut-in(1) End Shut-in(1) Open To Flow (2) Shut-in(2) End Shut-in(2) Final Hydro-static
11 Car Ser 210 Length (ft) 60.00	CORDINAL COR	Volume (bbl) 55%M	(Min.) 0 5 11 71 71 71 71 71 131 131 190	Pressure (psig) 1471.11 19.09 29.02 911.06 36.38 85.04 515.04	Temp (deg F) 95.40 95.19 95.28 95.92 95.72 96.39 96.77 97.06	Annotation Initial Hydro-static Open To Flow (1) Shut-in(1) End Shut-in(1) Open To Flow (2) Shut-in(2) End Shut-in(2) Final Hydro-static
11 Car Ser 210 Length (ft) 60.00	CORDINAL COR	Volume (bbl) 55%M	(Min.) 0 5 11 71 71 71 71 71 131 131 190	Pressure (psig) 1471.11 19.09 29.02 911.06 36.38 85.04 515.04	Temp (deg F) 95.40 95.19 95.28 95.92 95.72 96.39 96.77 97.06	Annotation Initial Hydro-static Open To Flow (1) Shut-in(1) End Shut-in(1) Open To Flow (2) Shut-in(2) End Shut-in(2) Final Hydro-static

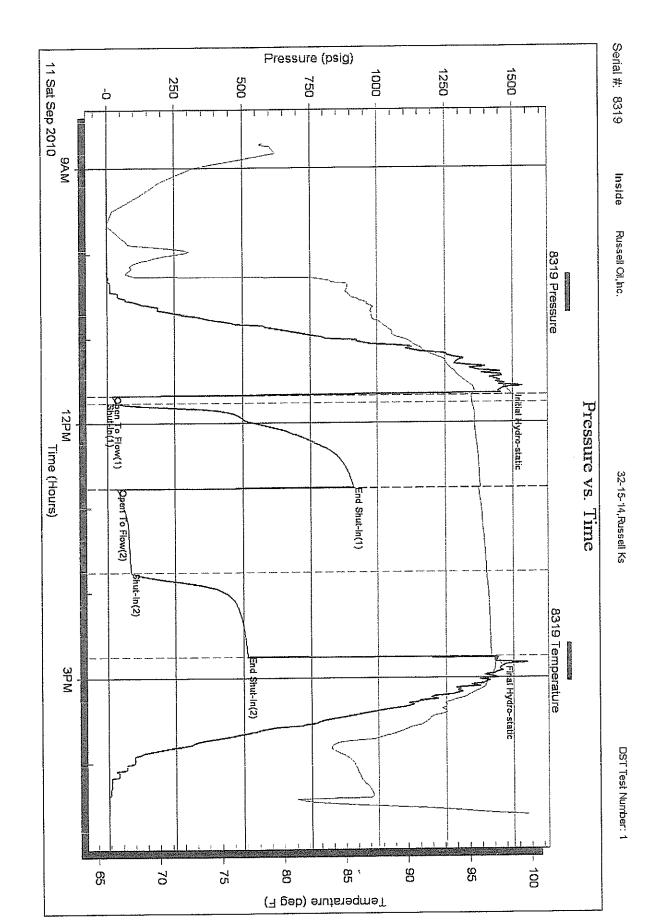
.

Printed: 2010.09.11 @ 16:49:11 Page 2

Ref. No: 40347

Trilobite Testing, Inc

(



Address P.O. Box 1783 · Hays, Kansas 57601 Well Name & No.	7	RILOBITE TESTING	INC.			<u></u>		Ticket		
Vertilization of the second	4/10	P.O. Box 1733	3 • Hays, Kans	sas 67601	<u></u>	-	U	الريا الوط الريع تورية مريعة ا		
Company Envation KB GL Address Rep / Geo. Rig Rig State Location: Sec. Twp. Rge Co. Rig State Location: Sec. Twp. Rge Co. State State Location: Sec. Twp. Rge Co. Mud Wr. Nod Total Depth Drill Pipe Run WL S. Company Vis State Blow Description Co. I.O. Mud Wr. Nod Wr. State Nod Vis State Nod	Well Name & No. 577	Capitar 1 - 2			Test No.		[Date	2 - 1 - 1 - 4	
Address	Company A w 25 m	Co the Co	leg et					_KB_ <u>/ 🥵 </u>	1	GL
Bit Product Rig Sector 2017 Location: Sec. Twp. Rige. Co. State Interval Tested State State State State Anchor Length Drill Pipe Run Mul Wt. Mul Wt. Mul Wt. Top Packer Depth State Orill Collars Run Wt. Mul Wt. State Bottom Packer Depth State Orill Collars Run Wt. State State Blow Description State Chorides State State State Blow Description State State State State State Rec Feet of State State State State State Rec Feet of State	Address PO 100	<u> </u>	to dance	and part	1. 1. E. C. E.	n parate Marine				
Interval Tested Zone Tested Mud WL Zone Tested Mud VL Zone Tested Zone Tested <td></td> <td></td> <td>·······</td> <td></td> <td> Rig</td> <td>en al la ser</td> <td>·</td> <td></td> <td></td> <td></td>			·······		Rig	en al la ser	·			
Anchor Length Drill Pipe Run Mud Wit. Top Packer Depth 2134 Drill Collars Run Vis Bottom Packer Depth 2144 Wit. Pipe Run Wit. Science Total Depth 2144 Chlorides 21464 ppm System LCM Blow Description 244 0444 Vis Science Science Blow Description 244 0444 Vis Science Science Blow Description 244 0444 Vis Science Science Rec Feet of 54444 Science Science Science Science Rec Feet of 54444 Science Sci	Location: Sec	Twp	Rge.		Co?	43 J 2		State		
Anchor Length Drill Pipe Run Mud WL Top Packer Depth Drill Collars Run Vis Bottom Packer Depth Mud WL Blow Description Antificities Durit Collars Run WL Blow Description Antificities Durit Collars Run Ppm System LCM Blow Description Antificities Durit Collars Run Durit Collars Run Durit Collars Run Blow Description Antificities Durit Collars Run Durit Collars Run Durit Collars Run Blow Description Antificities Durit Collars Run Durit Collars Run Durit Collars Run Rec Feet of Statue Statue Statue Statue Statue Rec Feet of Mult Mult Standby Contaction Topen Durit Collars Statue Statue Statue Statue Statue Statue Statue Statue Statue Comments	Interval Tested 3/40	na la factoria de la companya de la		Zone Tested	R. C. R. I	ê - ^{en}				
Top Packer Depth Image: Second Se				Drill Pipe Run			M	ud Wt		
Botom Packer Depth 1142 Wt. Pipe Run WL_S, Total Depth 1144 Chlorides	Top Packer Depth 3131	é.		Drill Collars Run	12.9		Vi:	s		
Total Depth 3140 Chlorides 2464 ppm System LCM Blow Description 26102 2036 2036 2036 2036 F54 61102 2036 2036 2036 2036 2036 Rec 75 Feet of 500 2036 2036 2036 2036 Rec 75 Feet of 500 2036 2036 2036 2036 Rec 75 Feet of 500 2036 300 2036 3600 2036 Rec 75 Feet of 500 2036 3600 3660							W	L <u>S</u>	<u>.</u>	
Blow Description 26 10<	Total Depth	· · · · · · · · · · · · · · · · · · ·		Chlorides <u>Z</u> ¿	<u> </u>	_ppm Syste	em LC	CM		
Image: Stand Stand Stand <td>Blow Description</td> <td>- 10 1/2 in</td> <td>heisen</td> <td></td> <td><u></u></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Blow Description	- 10 1/2 in	heisen		<u></u>					
Image: Constraint of the formation of the f				-				· 		
Rec						· · · · · · · · · · · · · · · · · · ·		<u></u>		
Rec Feet of Some under the second of th	ESI	· Gin bi	6 lotor						· · · · · · · · · · · · · · · · · · ·	
Hee Feet of Sector 5 %gas %oil %water %min Rec Feet of Sector %gas %oil %water %min Rec Sector Feet of Sector %gas %oil %water %min Rec Sector Feet of Sector Feet of Sector Feet of Sector %min %min (B) First Initial Flow Sector Gr Feet of Sector Feet of Sector <t< td=""><td>Rec Feet</td><td>of <u>SMWC</u></td><td>0</td><td></td><td>2<u>6</u>%gas</td><td>300</td><td>%oil</td><td><u>%water</u></td><td><u>~</u> ~~~.</td><td><u>%mud</u></td></t<>	Rec Feet	of <u>SMWC</u>	0		2 <u>6</u> %gas	300	%oil	<u>%water</u>	<u>~</u> ~~~.	<u>%mud</u>
Heb Peet of Maintail Plant (Maintail Plant) Maintail Plant) Maintail Plant) Maintail Plant (Maintail Plant) Maintail Plant)	Rec_66 Feet	t of <u>650MC</u>	. Un		16 %gas				<u>(</u> 	%mud
Rec Feet of 12011 621 %qas %oil %water %mu Rec Total		t of <u></u>	S 15 14 - 00	····	<u> 彡 %gas</u>		%oil	water		%mud
Rec Total 47.5 BHT 92 Gravity API RW F Chlorides PP (A) Initial Hydrostatic 1 Test T-On Location 1 0 (B) First Initial Flow 1 Jars T-Open 2 0 (C) First Final Flow 1 Jars T-Open 2 0 (D) Initial Shut-In 3 1 Circ Sub T-Out 7 3 0 (E) Second Initial Flow 1 Hourly Standby Comments Comments 0 0 1	Rec.	t of <u>Grader</u>			%gas	•	%oil	%water		%mud
(A) Initial Hydrostatic 1 Test T-On Location 1 1 (B) First Initial Flow 1 Jars T-Started 1 1 (C) First Final Flow 1 Safety Joint T-Open 1 1 (D) Initial Shut-In 1 Circ Sub T-Out 1 1 1 (E) Second Initial Flow 1 Hourly Standby Comments Comments 1	Rec Feet									%mud
(B) First Initial Flow Image: Strate initial Flow Ima	Rec Total	BHT							~~~	ppm
(B) First Initial Flow 7 Image: Safety Joint Total red Image: Safety Joint (C) First Final Flow Image: Safety Joint Topen Image: Safety Joint Imag	(A) Initial Hydrostatic	5 <i>CM</i>	ď	Test				- 1 e	27	
(C) First Final Flow	(B) First Initial Flow		0	Jars		<u>_</u>		· · · · · ·	<u></u>	
(D) Initial Shut-In 24 Circ Sub T-Out 73.8 (E) Second Initial Flow 4 Hourly Standby Comments Comments (F) Second Final Flow 33.2 Comments Comments Comments (G) Final Shut-In 64.3 Sampler Comments Comments (H) Final Hydrostatic 144.71 Straddle Ruined Shale Packer Ruined Packer Initial Open 5hale Packer Ruined Packer Ruined Packer Initial Shut-In 6.0 Extra Packer Extra Copies Initial Shut-In 6.0 Day Standby Total Final Flow 6.0 Accessibility MP/DST Disc't	(C) First Final Flow		b	Safety Joint	<u></u>		• —	for a mag		
(E) Second Initial Flow Image Hourly Standby Comments (F) Second Final Flow Image <	(D) Initial Shut-In		ū	Circ Sub	-	<u> </u>			<u> </u>	
(F) Second Final Flow (G) Final Shut-In (H) Final Hydrostatic Straddle Straddle Ruined Shale Packer Initial Open Initial Shut-In Extra Packer Extra Packer Initial Shut-In Day Standby Total Final Flow MP/DST Disc't				-	*****					
(H) Final Hydrostatic (H) Final Hydrostatic Initial Open Initial Open Initial Shut-In Initial Shut-In <td>(F) Second Final Flow</td> <td><u> 264</u></td> <td> ¤</td> <td>Mileage <u>33</u> ½</td> <td>de la</td> <td></td> <td></td> <td>· .</td> <td></td> <td></td>	(F) Second Final Flow	<u> 264</u>	¤	Mileage <u>33</u> ½	de la			· .		
Initial Open Initial Open Initial Shut-In Image: Colored c			0	Sampler						
Initial Open Initial Open Initial Shut-In Image: Colored c	(H) Final Hydrostatic		0	Straddle			🗅 Ruine	d Shale Packer		
Initial Shut-In 60 Image: Extra Recorder Sub Total Final Flow 60 Image: Day Standby Total Final Shut-In 60 Image: Accessibility MP/DST Disc't Sub Total Sub Total Sub Total			a	Shale Packer			C Ruine	d Packer		•
Initial Shut-In 6.0 □ Extra Recorder Sub Total Final Flow 0.0 □ Day Standby Total Final Shut-In 0.0 □ Accessibility MP/DST Disc't			0	Extra Packer	· · · · •	·	🛛 Extra	Copies		
Final Flow CO Day Standby Total Final Shut-In CO Accessibility MP/DST Disc't Sub Tatal	Initial Shut-In		0	Extra Recorder				•		
Final Shut-In MP/DST Disc't		6.0		Day Standby			Total			
Sub Total		60			•	-	MP/DST	Disc't		
							_	\sim	Sec. 1	

Approved By _

Our Representative Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

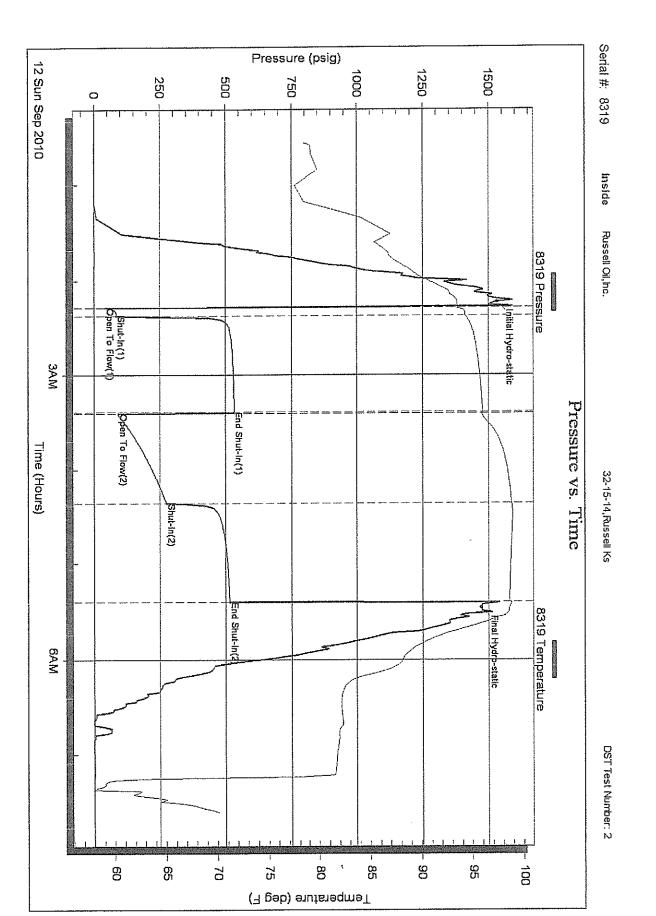
(IN.		DRILL	STEM T	ES	T REP	ORT			
(14)	RILOBITE	Russell Oil,	Inc.		<u> </u>	St	einle 1-3	32	
	ESTING , INC	PO Box 805	50 Edmond OK 7	3083		32	-15-14,R	ussell Ks	
						Job	Ticket: 40	0348 DST#:2	1
		ATTN: Ke	vin Bailey			Tes	st Start: 20	010.09.12 @ 00:33:12	
GENERAL	INFORMATION:	и I	· · · · · · · · · · · · · · · · · · ·						
-	LKC "A,B" No Whipstock: ened: 02:17:12 ted: 07:35:42	fi	: (KB)			Tes	ster:	Conventional Bottom Hole Brett Dickinson 47	9
intervai: Total Depth: Hole Diameter	3140.00 ft (KB) To 31 3180.00 ft (KB) (T	V D)	(TVD)				erence Ele		ft (CF)
Serial #: 8	3319 Inside								
Press@RunD Start Date: Start Time:		@ 3144.0 End D End Ti			2010.09.12 07:35:42	Capacity Last Cal Time On Time Off	ib.: Btm: :	8000.00 2010.09.12 2010.09.12 @ 02:13:42 2010.09.12 @ 05:26:42	psig
	MENT: IF-10.5in blow ISI-No blow FF-BOB in 6min FSI-6in blow						DECOUR	RE SUMMARY	
	27 District Vie 1 montes (019 Prayure	(313) (313) (313)	12.76	- 100	Time	Pressure	Temp	Annotation	
1500				- W	(Min.) 0	(psig) 1530.80	(deg F) 93.46	Initial Hydro-static	
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5				- 107	4 9	42.60 82,92	1	Open To Flow (1) Shut-In(1)	
- 100				. # 1	70	531.25	95,95	End Shut-In(1)	
				Temperal B	71	91.86	1	Open To Flow (2)	
		Las Birth (12)		S R R	128 190 193	274.92 513.60 1471.24	98,55	Shut-In(2) End Shut-In(2) Final Hydro-static	
300	ning ring	14422 j		- 55 - 62					
12 Sur Sep 20 S	24M Time@icuta)	Env							
·····	Recovery						Ga	s Rates	
Length (ft)	Description		Volume (bbl)	T			Choke (i		s Rate (Mc
240.00	Water	· · · · · · · · · · · · · · · · · · ·	2.24	1	L			I	
120.00	oilspotted SGMCW 5%G	5%M90%W	1.68						
60.00	GSOMCW 10%G 5%O 5	5%W 30%M	0.84						
00.00	1		4.05	1					
75.00	GMWCO 20%G 30%O 2	5%W 25%M	1.05	4					

Printed: 2010.09.12 @ 07:46:06 Page 2

Ref. No: 40348

Trilobite Testing, Inc

2



 $\left(\right)$

RILOBITE	Test Ticket
F.O. Box 1733 • Hays,	Kansas 67601 NO. 040349
Well Name & No. Stende 1-32 Company Russell 0.1 Address PO Ros 8.05	1
Co: Rep / Geo. <u>A reservo</u>	Rig_Southwad
Location: Sec. <u>32</u> Twp. <u>15</u> Interval Tested <u>3270-39977</u> Anchor Length <u>3765</u> Bottom Packer Depth <u>32765</u> Bottom Packer Depth <u>3276</u> Total Depth <u>32777</u> Blow Description <u>276-8081637</u>	Zone Tested K_GG
FT BOB 2n FSZ 5n Manne Rec 500 Feet of Manne Rec 165 Feet of V G M CO Rec 30 Feet of V G W CO	%gas %oil 7.0 %water 3.0 %mud 60%gas 30%oil %water 0 %mud 60%gas 1.5 %oil 1.5 %mud
Rec Feet of Rec Feet of Rec Total 2.5 BHT	%gas %oil %water %mud Gravity API RW@°F Chloridesppm
(A) Initial Hydrostatic 13 944 (B) First Initial Flow 9 (C) First Final Flow 9 (D) Initial Shut-In 9 (E) Second Initial Flow 9 (F) Second Final Flow 9 (G) Final Shut-In 36	Image Image <td< td=""></td<>
(H) Final Hydrostatic 474 Initial Open 1 Initial Shut-In 60 Final Flow 60 Final Shut-In 60	Straddle Ruined Shale Packer Shale Packer Ruined Packer Extra Packer Extra Copies Extra Recorder Sub Total Day Standby Total Accessibility MP/DST Disc't

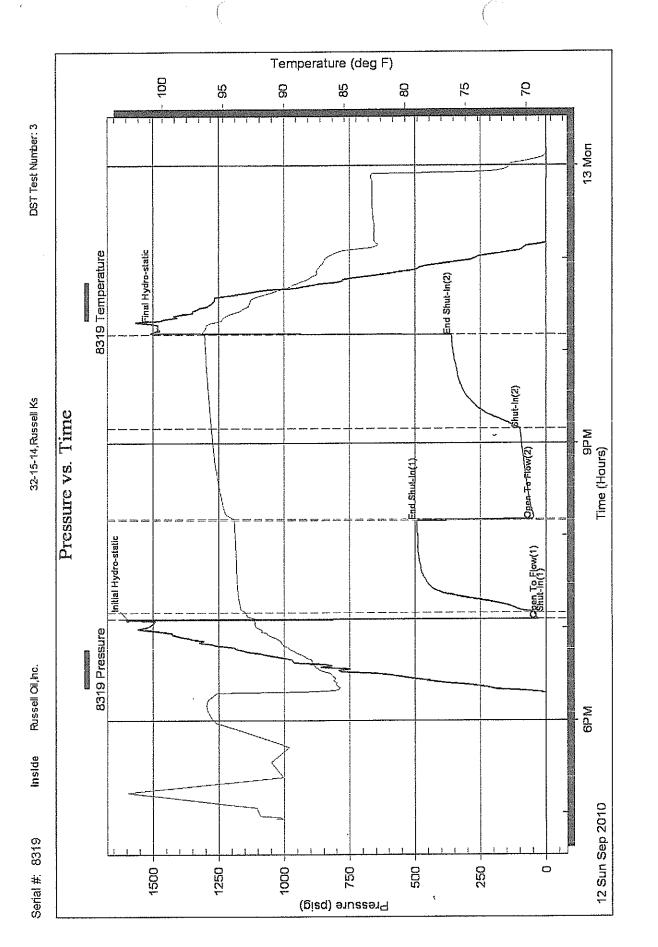
Approved By_______Our Representative_______ Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

		and an and a second		TEM TEST						
10	M T	RILOBITE	Russell Oil,inc.			Steinle	e 1-32			
濯		ESTING , INC		dmond OK 73083			14,Rus œt: 4034	sell Ks	DST#:3	
			ATTN: Kevin	Bailey).09.12 @	16:55:44	
		ORMATION:								
Formati Deviate Fime To	ion: ed: ool Opene	KC"F,G" No Whipstock: d: 19:05:44	ft (K	B)		Test Ty Tester: Unit No	Br	ett Dickins		
interv Total E	val:	: 00:10:44 3210.00 ft (KB) To 3 3241.00 ft (KB) (T 7.88 inchesHo	VD)	VD)		Refere	nce Elev KB to	ations: GR/CF:	1928.00 1921.00 7.00	ft (CF)
			End Date	e:	2010.09.13 00:10:44	Capacity: Last Calib.: Time On Btr Time Off Bt	n: 2	010.09.12	8000.00 2010.09.13 @ 19:05:14 @ 22:13:14	
		FF-BOB in 2mir FSI-5in blow Pressure vi	Time					E SUMM		
1000	A			Ţ	Time (Min.) 0 1 5 65 65 124 185 188	,	92.22 93.17 94.07 94.03	Shut-In(1	ro-static Flow (1)) -ln(1) Flow (2)) -ln(2)	
500 - 250 - Q -		214 Track	рнн 901	12 Mae						
12 Sur Ge	y 40 4					<u> </u>	Ga	I Rates		
	anti di	Recovery Description	·····	Volume (bbl)					ssure (psig)	Gas Rate (M
	ngth (#) 	MCW 30%M 70%W		0.15			من فن کن ز			
	5.00	VGMCO 60%G 10%N	30%O	1.46			1.12			
	0.00	VG WO 60%G 15%W		0.42						
	00	2040ft GIP		0.00						

•• ...

2 - 1 - 1

.



Printed: 2010.09.13 @ 00:29:16 Page 2

Ref. No: 40349

Trilobite Testing, Inc

RILOBIT ESTIN P.O. Box 17				t Ticket 040350	
Well Name & No. <u>Sternle</u> Company <u>Russell Oil Ja</u> Address <u>Po Box</u> 8,03,		Elevation <u>19.</u> 7 308 3	251	<u>кв_/92</u>	~/ <i>0</i> GL
Co. Rep / Geo. Karra		Rig	wind	fil byf	
Location: Sec. 32 Twp	15Rge/24	_ Co RUSSE	f 1	State	<u> </u>
Interval Tested 3260 - 3346					
Anchor Length		·		Mud Wt	
Top Packer Depth		154		Vis	
Bottom Packer Depth 32.60		(wl <u>/3</u> 2	
Total Depth		9.4.0 ppm \$	System	LCM	
Blow Description <u>37 - 51/5</u> i.					****
157 - No blan					(
FF BOB in	for engine				
157 - 10 blow				<u></u>	
Rec 30 Feet of Mind		%gas	%oil	%water	%mud
Rec. 120 Feet of <u>MC 64</u>		%gas	%oil	90 %water	10 %mud
Rec. 2.400 Feet of Mc w		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	· %mud
Rec Total BHT	<u> </u>	API RW@		F Chlorides	• *
(A) Initial Hydrostatic 1690	· 🖸 Test		T-On l	ocation $10:2$	
(B) First Initial Flow	Jars		T-Star	ted <u>1073</u> 0	
(C) First Final Flow	Safety Joint		T-Ope	· · · · · · · · · · · · · · · · · · ·	>
(D) Initial Shut-In	Circ Sub		T-Pulle		
(E) Second Initial Flow	Hourly Standby _		T-Out	[*]	
(F) Second Final Flow 193	Mileage <u>33</u> X	2	Comm	nents	
(G) Final Shut-In	🖸 Sampler				
(H) Final Hydrostatic	Straddle		 [] Ri	uined Shale Packer_	
	Shale Packer			uined Packer	
Initial Open <u>5</u>	Extra Packer			tra Copies	
Initial Shut-In 60	Extra Recorder			otal	
Final Flow	Q Day Standby				
Final Shut-In60		٠ <u>٠</u> ٠		ST Disc't	
	Sub Total				
Approved By		r Representative	ر	10 Section and the section of the	··

Approved By

.,

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

					(
(INT		DRILL STEM TES	ST REP	ORT			
	RILOBITE	Russell Oil, Inc.		Ste	inle 1-3	2	
	ESTING , INC	PO Box 8050 Edmond OK 73083	3			ussell Ks	
		ATTN: Kevin Bailey			Ticket: 40 t Start: 20)350)10.09.13 @ 10	DST#:4 33:38
GENERAL INF	FORMATION:						
Formation: Deviated: Time Tool Opene Time Test Ended:		ft (KB)		Tesi Tesi Unit	ter: E	Conventional Bo Brett Dickinson 47	ttom Hole
nterval: S Total Depth: Hole Diameter:	3260.00 ft (KB) To 33 3310.00 ft (KB) (T) 7.88 inchesHok	/ D)		Ref	erence Be KB te		1928.00 ft (KB) 1921.00 ft (CF) 7.00 ft
Serial #: 831 Press@RunDept Start Date: Start Time:		@ 3266.00 ft (KB) End Date: End Time:	2010.09.13 17:37:38	Capacity Last Calil Time On Time Off	b.: Btm: 2		
EST COMMI	ENT: 1F-5.5in blow ISI-No blow FF-BOB in 19mir FSI-No blow	ı					
μ.	Pressure vs. 7				· · · · · ·	RE SUMMAR	Y
+000 500 500 500 500 500 500 500	1279 Presuse 10 P	COST TREMERAN - 12:5 - 12:5	64 125	Pressure (psig) 1640.87 27.48 63.88 425.86 74.06 195.33 412.85 1547.97	91.92 92.26 94.47 94.40 98.31 98.27	Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2) Final Hydro-st	(1) (2)
	Recovery				Ga	s Rates	
Length (ft)	Description	Volume (bbl)			Choke (i	inches) Pressure (osig) Gas Rate (Mct/d)
	Mud MCW 90%W 10%M	0.15					
	MCW 70%W 30%M	3.37					

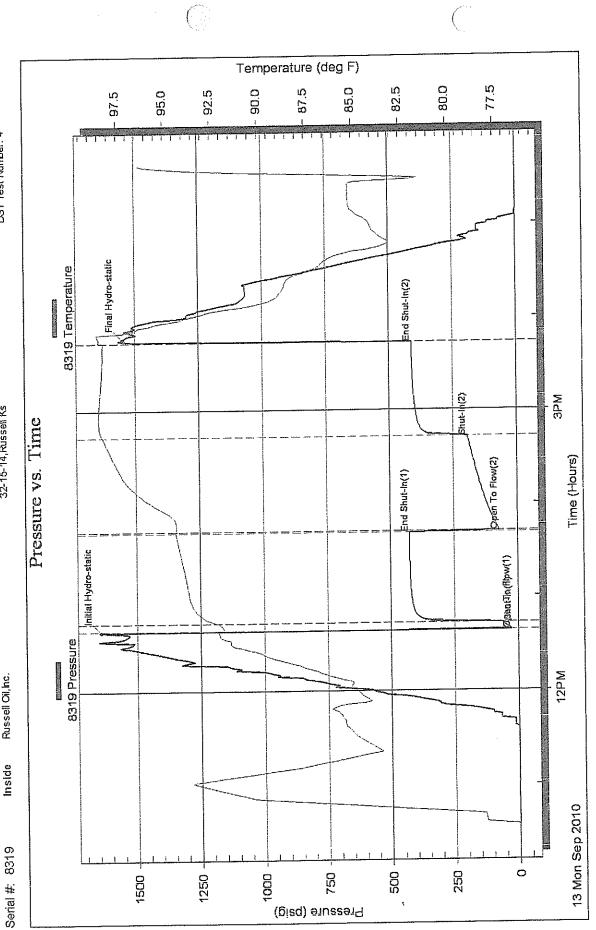
3



32-15-14, Russell Ks

DST Test Number: 4

i



Printed: 2010.09.13 @ 17.48:45 Page 2

40350 Ref. No:

Trilobite Testing, Inc

	RILOBIT		, C	Tes	t Ticket	
4/10	ESTING P.O. Box 1733	<i>INC.</i> • Hays, Kansas 67601		NO.	040401	
	Stainta	1-32	Test No.	-	Date?~/ ./.	<u>-1 9</u>
	Stell O.L. J.		Elevation _ / ?	28	кв_142-1	GL
Address	Box State O	to demand a	26 7308	7		
Co. Rep / Geo				the work	A St. C.	
Location: Sec	Twp	Rge	Co	:= //	State	<u>)</u>
nterval Tested 3	340-3327	Zone Tested	KE L			
Anobor Longth	and the second s				Mud Wt	
Top Packer Depth	33.32	Drill Collars Rur	n 12 Kd		Vis <u>5 6</u>	
Bottom Packer Depth	h 3340	Wt. Pipe Run_			WL <u>75. 2</u>	
Total Depth	322	Chlorides 10	<u> </u>	System	LCM	. *
Blow Description	21- 12 in h	La com que com	at			
	152 - Ne War					
F	F. Kny bread	former blow	-			
Ē.	st - hoblow					
Rec	Feet of <u>500000</u>		%gas	<u> %oil</u>	%water	🦉 %mu
Rec	Feet of		%gas	%oil	%water	%mu
Rec	Feet of		%gas	%oil	%water	%mu
Rec	Feet of		%gas	%oil	%water	%៣ប
Rec			%gas	%oil	%water	<u>%</u> mu
Rec Total	BHT 🤗 🖉	Gravity	_ API RW@		F Chlorides	ppr
(A) Initial Hydrostatic	1.701	🗹 Test		T-On L	$_{\text{-ocation}} \underline{\bigcirc ; \mathcal{O} } $	
B) First Initial Flow_	1 A.	🛛 Jars		T-Star	3 C / /	
(C) First Final Flow _	19	OCSafety Joint	<u></u>	T-Ope		
(D) Initial Shut-In	409	Circ Sub		T-Pulle	53 ° 5 6 5	
(E) Second Initial Flo	w	Hourly Standby		T-Out		
(F) Second Final Flo	w <u>34</u>	D Mileage 33	<u>sesse</u>	- Comm	nents	
(G) Final Shut-In		Sampler				
(H) Final Hydrostatic		Straddle		- 🗆 Ri	uined Shale Packer	
		Shale Packer			uined Packer	
nitial Open 🖉	- 				tra Copies	
Initial Shut-In	60		·		otal	
Final Flow	60			Total_	,	
	60	Day Standby	•		OST Disc't	
1 6 QI ORUCHI					×.,	
Final Shut-In	(p U	🗅 Accessibility Sub Total C	Dur Representative		OST Disc't _	

Approved By

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

RILOBITE	T REP			
ESTING, INC BO BOX 8050 Edmond OK 73083		Ste	einle 1-3	32
PO Box 8050 Edmond OK 73083				ussell Ks
			Ticket: 40	
ATTN: Kevin Bailey		Tes	t Start: 20	010.09.14 @ 02:19:08
GENERAL INFORMATION:				
Formation: KC''L'' Deviated: No Whipstock: ft (KB)		Tes	t Type:	Conventional Bottom Hole
Time Tool Opened: 03:50:08				Brett Dickinson
Time Test Ended: 08:32:38			t No: erence Ele	47 evations: 1928.00 ft (KB)
nterval: 3340.00 ft (KB) To 3377.00 ft (KB) (TVD) Fotal Depth: 3377.00 ft (KB) (TVD)		Ner		1921.00 ft (CF)
Hole Diameter: 7.88 inchesHole Condition:			KB 1	to GR/CF: 7.00 ft
Serial #: 8319 Inside		Concett		8000.00 psig
Press@RunDepth: 34.01 psig @ 3344.00 ft (KB) Start Date: 2010.09.14 End Date:	2010.09.14	Capacity Last Cali		2010.09.14
Start Time: 02:19:08 End Time:	08:32:38	Time On		2010.09.14 @ 03:49:38
		Time Off	DUIL	2010.09.14 @ 06:58:08
IEST COMMENT: IF-1/2in blow ISHNo blow				
FF-Very weak surface blow				
FSI-No blow				
Pressure vs. Time mann 2019/entre 2019/entre				
	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
	0	1701.53 18.40	94.06	Initial Hydro-static Open To Flow (1)
	6	19.99		Shut-In(1)
	65 66	409.96 21.51	1	End Shut-In(1) Open To Flow (2)
	126	34.01	1	Shut-In(2)
	187	284.87	97.27	
	189	1602.99	97.58	Final Hydro-static
200 Literatu				
د من معنی من				
Recovery		.	[s Rates
Length (ft) Description Volume (tbl)			Choke	
45.00 SOCM 10% O 90% M 0.22				
	B 			
	1		Printed:	

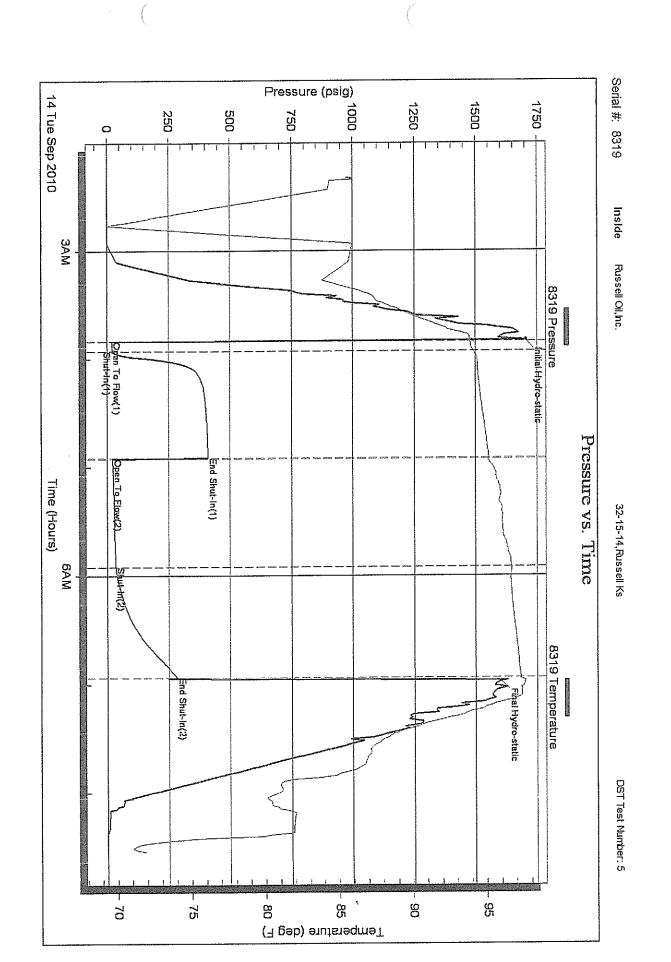
÷ 4

Printed; 2010.09.14 @ 08:40:16 Page 2

Ref. No: 40401

Trilobite Testing, Inc

١



RILOBITE			Test Ticket			
ESTING INC. P.O. Box 1733 • Hays	, Kansas 67601		NO.	040402		
Well Name & No. 57 er - 1 - 3 >	Test	No. <u>6</u>		Date	(and the second	
Company 6455=11 Och Jac.		ration <u>192</u>	8	кв_ <u>/92/(</u>	GL	
Address POBOX 8050 K	Amound OR 7	23082				
Co. Rep / Geo. A	Rig	Serthe L	<u>ernd</u>			
Location: Sec. <u>72</u> Twp. <u>73</u>	_ Rge. <u>/ / /</u> Co. 🥖	9 10 3 5 e 14	Ź	State <u>/ 5</u>		
Interval Tested 3365 - 3470				2*		
Anchor Length 5 5	Drill Pipe Run			Mud Wt.		
Top Packer Depth3 3 6 0	Drill Collars Run 12 4	je ^{re}		Vis6		
Bottom Packer Depth 3365	Wt. Pipe Run		-	WL <u>/ 8</u>		
Total Depth	_ Chlorides <u>12,100</u>	ppm Sy	stem	LCM		
Blow Description 2 F - 3/y in blow	يد ج.					
IS2 Noblow						
FF - Yain blow						
FSZ - Noblow						
Rec_90 Feet of <u>VSOC_/A</u>	%	. gas <u>5</u>	%oil	%water 725	%mud	
Rec Feet of	%	gas .	%oil	%water	%mud	
Rec Feet of	%	gas	%oil	%water	%mud	
Rec Feet of	%	gas	%oil	%water	%mud	
Rec Feet of		gas	%oil	%water	%mud	
Rec Total BHT6	Gravity API RW_	@		Chlorides	ppm	
(A) Initial Hydrostatic 67670	🗹 Test		T-On L	ocation <u>17:00</u>		
(B) First Initial Flow5	Jars	<u>_</u> _	T-Start			
(C) First Final Flow 22	ີຟ໌ Safety Joint		T-Oper			
(D) Initial Shut-In	Circ Sub		T-Pulle	and the train		
(E) Second Initial Flow	Hourly Standby		T-Out			
(F) Second Final Flow <u>62</u>	Ġ Mileage <u> </u>	·	Comm	ents		
(G) Final Shut-In <u>1,067</u>	Sampler				-	
(H) Final Hydrostatic 1, 595	Straddle		🛛 Ru	ined Shale Packer		
	Gale Packer			ined Packer		
Initial Open	Extra Packer			tra Copies		
Initial Shut-In	Extra Recorder			otal		
Final Flow	Day Standby					
Final Shut-In60	Accessibility		MP/D	ST Disc't		
	Sub Total					

	DRILL STEM TES	T REPC	ORT					
RILOBITE	Russell Oil,Inc.		Steinle 1-32					
ESTING, INC	PO Box 8050 Edmond OK 73083		32-15-14,Russell Ks					
			Job Ticke	DST#:6				
ATTN: Kevin Bailey		Test Start: 2010.09.14 @ 19:19:55						
GENERAL INFORMATION:								
Formation: Arb. Deviated: No Whipstock: Fime Tool Opened: 21:39:25 Fime Test Ended: 02:15:55	ft (KB)		Test Type: Conventional Bottom Hole Tester: Brett Dickinson Unit No: 47					
Interval: 3365.00 ft (KB) To 3410.00 ft (KB) (TVD) Total Depth: 3410.00 ft (KB) (TVD) Hole Diameter: 7.88 inchesHole Condition:			Reference Elevations: 1928.00 ft (KB) 1921.00 ft (CF) KB to GR/CF: 7.00 ft					
Serial #: 8319 Inside Press@RunDepth: 62.41 psig Start Date: 2010.09.14 Start Time: 19:19:55	End Date:	2010.09.15 02:15:55	Capacity: Last Calib.: Time On Btm: Time Off Btm	2010.09.14 @				
TEST COMMENT: IF-3/4in blow ISI-No blow FF-1/4in blow FSI-No blow								
Pressure vs. Time		PRESSURE SUMMARY						
100 Presive 00 Presive 100 Pr	15 Wag	Time (Min.) 3 9 67 67 127 187 190	(psig) (de 1610.66 9 18.80 9 22.04 9 1093.85 9 24.23 9 62.41 9 1067.70 9	mp Annotation g F) 94.24 Initial Hydro 93.99 Open To Flo 94.01 Shut-In(1) 94.99 End Shut-In 94.67 Open To Flo 95.70 Shut-In(2) 96.47 End Shut-In 96.68 Final Hydro	-static ww (1) (1) ww (2) (2)			
Recovery	у		Gas Rates					
Length (ft) Description	Volume (Ebl)			Choke (inches) Pressur	e (psig) Gas Rate (Mcfi			
90.00 V SOCM 5%O 95%M	0.44							
Trilobite Testing. Inc	Ref. No: 40402	•	Pi	inted: 2010.09.15	@ 02:29:20 Page			

ζ.

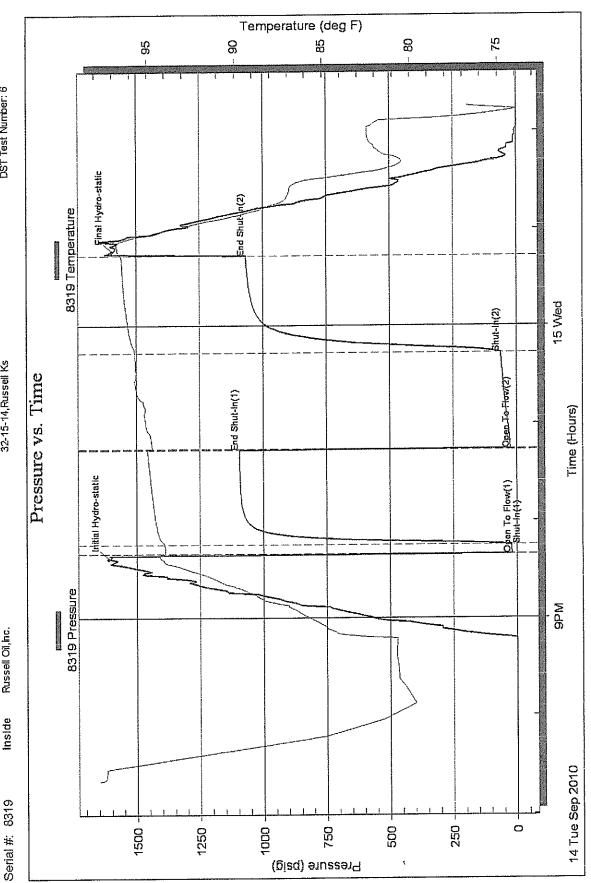
Russell Oil,hc. Inside

32-15-14,Russell Ks



ł.

(



Printed: 2010.09.15 @ 02:29:20 Page 2

Ref. No: 40402

Trilobite Testing, Inc



December 21, 2010

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

Re: ACO1 API 15-167-23658-00-00 Steinle 1-32 NE/4 Sec.32-15S-14W Russell 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