

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1096196

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 & LEA	SF

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 #:
Wellsite Geologist:	Field Name:
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         Gas       D&A       ENHR       SIGW         OG       GSW       Temp. Abd.         CM (Coal Bed Methane)       Cathodic       Other (Core, Expl., etc.):         If Workover/Re-entry:       Old Well Info as follows:	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used?
Operator: 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 Conv. to GSW	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:      Dual Completion Permit #:	Operator Name:
Dual Completion         Permit #:           SWD         Permit #:	Lease Name: License #:
ENHR     Permit #:	Quarter Sec TwpS. R East West
GSW         Permit #:	County: Permit #:
Spud Date or Recompletion Date         Date Reached TD         Completion Date or 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	
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 She	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 E (If no, Submit Copy)	Electronically	☐ Yes ☐ Yes ☐ Yes	□ No □ No □ No					
List All E. Logs Run:								
		Report all		RECORD No	ew Used ermediate, product	ion, etc.		
Purpose of String	Size Hole Drilled	Size Ca Set (In C	sing	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			RECORD - Bridge Plugs Set/Type btage of Each Interval Perforated						ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	JBING RECORD: Size: Set At: Packer At:				Liner R	un:	No			
Date of First, Resumed Production, SWD or ENHR. Producing Meth				ping	Gas Lift	Other (Explain)				
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF (	GAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTER	RVAL:
Vented Sold		Used on Lease		Open Hole	Perf.	Dually (Submit)		Commingled (Submit ACO-4)		
(If vented, Submit ACO-18.)										

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

Phone 785-483-2025 Cell 785-324-1041	aymun	Ho	me Office	P.O. Bo	Box 32 Russell, KS 67665 No. 489 15-053-21275-0000						
To T delive without of the y	Sec.	Twp.	Range	idmog.q.	County	State	On Location	Finish			
Date 4-17-12	19	15	10	EII.	sworth	Remsas	a, "CUSTOMER" ap	1:30AM			
Lease Roanda A	-   W	/ell No. /	t bris ad liar	Locatio	on Wilson	75 3F	Vinta	nepart lead of eacher action lead of eacher			
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Type Job Sutface	tag kar	1.2	e that KANS	and reu and reu	To Quality Oil	Iwell Cementing, Inc	o. I cementing equipmer	and furnish			
Hole Size		T.D. 2	35		cementer and	d helper to assist ov	vner or contractor to d	o work as listed.			
Csg. 87 23	6	Depth	432	parties to No entiti	Charge	ulars Plmon	Service	ALLOBNEA			
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	QUIPM		should it beck	ne, and i	able allumpt a	poor or inadequate	to do so because of	CLALITY be uned to			
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Bulktrk 10 No. Driver	Par	A	ISO PERMOTE		Poz. Mix	nowen bio and/or marchane	np and paid by CARS ON OHARGES: If a k	H T, WH DE CORDEC			
Bulktrk No. Driver	L	YTUAL	No we bene	ni eesee	Gel. 5	ER will pey OUALIT	MOTSUD, Libetian 1	ical solution or othe			
JOB SER	VICES	& REMAR	KS	o en o serebro a	Calcium &	onnervise specifies way for each servic	Charless of the sector	CAHUA30 okood poog kowaa			
Remarks:	teni eg	erneh yhe	lity and prop	idell silds.	Hulls	BILITIES CLUAR	ны амл влогтамс	- SERVICE ¢			
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Signature / C	00	C		<del>- 1</del>	1		3	of the OUSTON IN			

QUALIT	Y	CILW				ING, IN					
Phone 785-483-2025 Cell 785-324-1041	am seid H	lome Office	P.O. B	k I.D.# 20-2886107 Box 32 Russell, KS 67665 No. 851							
Sec.	Twp.	Range	been a	County	State	On Location	Finish				
Date 4-17-12 19	15	10	EU	SWORTH	KANSAS	PREMOTE COMPANY	1:45 pm				
Lease BRANNA A V	Vell No.	#1	Locati	on WIISD	NJME STOR	(RD - 34mi E	- NINTO				
Contractor SOUTHWING DA	TUT	og RIG #	4	Owner QWENS DUMDING SERVICE							
Type Job PEDD . STRENG					ilwell Cementing, Inc		and furnish				
Hole Size 7 78"	Size 7 78" T.D. 3330					<ul> <li>You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.</li> </ul>					
CSg. 5 3 - 15318-NEW	Depth	3327	e parties	TO OWENS DUMPTING SERVICE							
Tbg. Size	Depth	ev. Jun to Long	0.2 (0.1)	Street 6L	10 E. SUNS	SET AVE	nishaq yaw yas				
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Signature / Mun 114	well		nas tas Cit	MAY 1 5 2072 <sup>tal Charge</sup>							

RILOBITE		DRILL STEM TEST REPORT						
	Ow en's Pumping Service		19-	-15s-10w	/ Ellsworth,	KS		
ESTING , INC	640 E Sunset Ave Russell, KS 67665			anda A				
	ATTN: Kitt Noah			Ticket: 47		DST#:1		
	ATTN: KITT Noan		les	t Start: 20	012.04.16 @ 0	8:09:15		
ENERAL INFORMATION:								
ormation: Arbuckle eviated: No Whipstock:	ft (KB)		Tee	t Type:	Conventional F	Bottom Hole (Initial)		
me Tool Opened: 10:12:00			Tes		Leal Cason			
me Test Ended: 14:43:00			Unit	No:	45			
terval: 3279.00 ft (KB) To 32			Ref	erence Ele	evations:	1774.00 ft (KB)		
otal Depth: 3290.00 ft (KB) (TV ole Diameter: 7.88 inchesHole	(D) Condition: Good		1765.00 ft (CF) KB to GR/CF: 9.00 ft					
	Gondition. Good			NBI		9.00 ft		
erial #: 6798 Inside ress@RunDepth: 544.54 psig (	@ 3280.00 ft (KP)		Canacity			9000 00 main		
tart Date: 2012.04.16	@ 3280.00 ft (KB) End Date:	2012.04.16	Capacity Last Cali		20	8000.00 psig 012.04.16		
tart Time: 08:09:16	End Time:	14:43:00	Time On		2012.04.16 @			
			Time Off	Btm:	2012.04.16 @	12:44:45		
		A THE R P. LEWIS CO.			C SUIVIVIAI			
Pressure vs. Ti		<b>神」の必要に当</b>	DI	RESSUE	RE SUMMA	RY		
6798 Pressure	6798 Temperature	Times						
	6758 Temperature	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation			
	Final Hydro-static	(Min.) 0	Pressure (psig) 1636.03	Temp (deg F) 92.59	Annotation Initial Hydro-s	static		
	/hall Hote-state - 100	(Min.)	Pressure (psig) 1636.03 72.23	Temp (deg F) 92.59 96.74	Annotation Initial Hydro-s Open To Flow	static		
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ACEN TOUR	ITC	DRILL	STEM TEST	REPORT		TOOL D	AGRAM
RILOB			Imping Service		19-15s-10w Ellswort	th,KS	
EST.	ING , INC	640 E Sun:	set Ave		Branda A 1		
		Russell, K	S 67665		Job Ticket: 47482	DST#:1	
NAS N		ATTN: Ki	tt Noah		Test Start: 2012.04.16 @	08:09:15	
Tool Information							
Drill Pipe: Length:	3292.00 ft	Diameter:	3.80 inches Volume:	46.18 bbl	Tool Weight:	2100.00 lb	
Heavy Wt. Pipe: Length:	0.00 ft	Diameter:	0.00 inches Volume:	0.00 bbl	Weight set on Packer	: 25000.00 lb	
Drill Collar: Length:	0.00 ft	Diameter:	0.00 inches Volume:	0.00 bbl	Weight to Pull Loose:	50000.00 lb	
			Total Volume:	46.18 bbl	Tool Chased	ft	
Drill Pipe Above KB:	33.00 ft				String Weight: Initial	40000.00 lb	
Depth to Top Packer:	3279.00 ft				Final	44000.00 lb	
Depth to Bottom Packer:	ft						
Interval between Packers:	11.00 ft						
Tool Length:	31.00 ft						
Number of Packers:	2	Diameter:	6.75 inches				
Tool Comments:							

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3264.00		
Hydraulic tool	5.00			3269.00		
Packer	5.00			3274.00	20.00	Bottom Of Top Packer
Packer	5.00			3279.00		
Stubb	1.00			3280.00		
Recorder	0.00	6798	Inside	3280.00		
Recorder	0.00	8367	Outside	3280.00		
Perforations	7.00			3287.00		
Bullnose	3.00			3290.00	11.00	Bottom Packers & Anchor
Total Tool Leng	gth: 31.00					

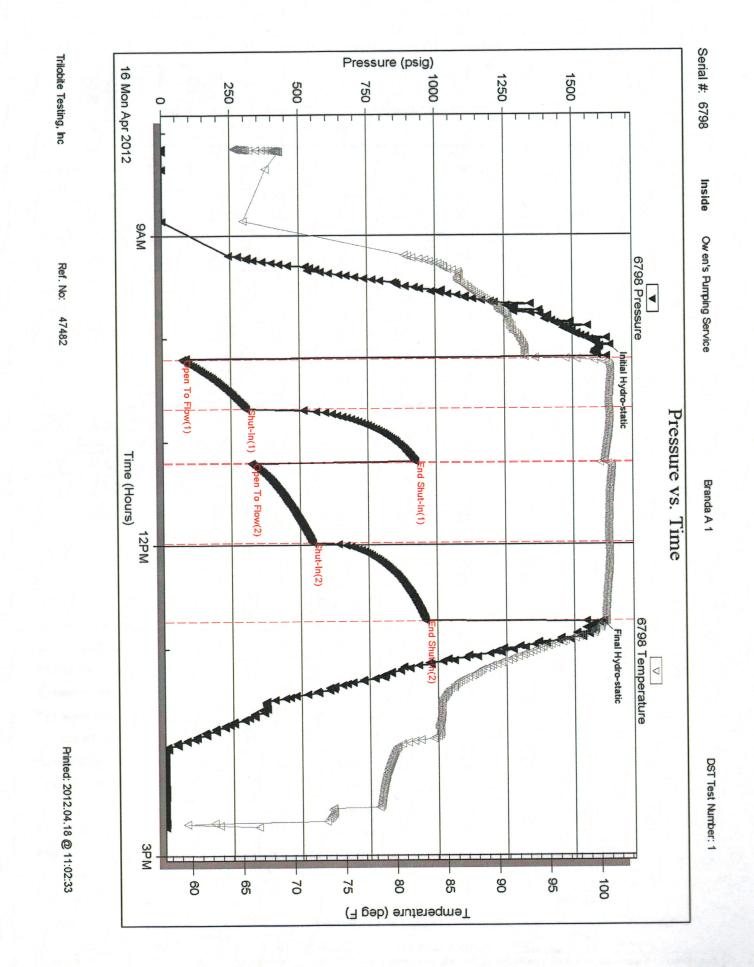
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	DRILL STEM TEST REPORT FLUID SUMMARY						
RILOBITE	Ow en's	Pumping Service	19-15s-10w Ellsworth,KS				
TESTING, INC	640 E Sunset Ave Russell, KS 67665 ATTN: Kitt Noah		Branda A 1           Job Ticket: 47482         DST#:1           Test Start: 2012.04.16 @ 08:09:15				
Aud and Cushion Information							
Vlud Type:       Gel Chem         Vlud Weight:       9.00 lb/gal         Viscosity:       52.00 sec/qt         Vater Loss:       8.18 in <sup>3</sup> Resistivity:       ohm.m         Salinity:       2800.00 ppm         Filter Cake:       0.20 inches		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:		API: deg API ter Salinity: 40000 ppm			
Recovery Information		Recovery Table					
Leng		Description	Volume bbl				
	960.00	Water	13.466				
	120.00	MCW 40%M 60%W	1.683				
Num Fluid Sam Laboratory Na Recovery Com	me:	Num Gas Bombs: 0 Laboratory Location: N w as .17 @ 75 degrees	Serial #:				



7	LOBITE ESTING INC. 2.0. Box 1733 • Hay:	S, Kansas 67601	1 7 2012		<b>Ticket</b> 47482	
Well Name & No Bray Company <u>Owen's</u> Pu Address <u>640 F Sur</u> Co. Rep / Geo. <u>Kitt</u> N Location: Sec 19	mping Service 2504 Ave R roah	ussell, KS	Elevation 67665 Rig Scuth	vind (	6	GL
Interval Tested 32.79 Anchor Length Top Packer Depth Bottom Packer Depth Total Depth Blow Description <u>TF: Str</u> <u>TST: NO Blow</u> FF: Strong Blow,	11 3274 3279 3290 Cong Blow, B Back	Drill Pipe Run Drill Collars Run Wt. Pipe Run Chlorides	Arbuckle 32 2800 ppm Mes	<u>92</u> м Vi w	ud Wt. <u>9. 1</u> is <u>52</u> rL <u>9.3</u> CM <u>1 1/2</u>	
FST:         NO         Blow           Rec         /20         Feet of           Rec         960         Feet of           Rec         Feet of         Feet of	Back MCW Water		%gas %gas %gas	%oil %oil %oil	60 %water %water %water	40%mud %mud %mud
Rec         Feet of _           Rec         Feet of _           Rec Total			%gas %gas API RW .17 @	%oil %oil 2 <u>75</u> °F (	%water %water Chlorides 400	%mud %mud
<ul> <li>(A) Initial Hydrostatic</li></ul>	1136 72 305 924 324 544 958		Dr 263.52	T-On Loca T-Started T-Open T-Pulled T-Out Comment	ation 08:45 08:09	
Initial Open Initial Shut-In Final Flow Final Shut-In	30 30 45 45	<ul> <li>Extra Recorder</li> <li>Day Standby</li> <li>Accessibility</li> </ul>		Sub Total	1/110 64	)
Approved By	tespe	Sub Total 141	ur Representative	La	nc_	

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 opimion 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.