Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1230411

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:	Sec TwpS. R East 🗌 West
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 #	
Name:	(e.g. xx.xxxx) (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:
OG GSW Temp. Ab CM (Coal Bed Methane)	a. Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	
Well Name:	
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWI	
Plug Back Conv. to GSW Conv. to Prod	
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	
ENHR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date 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:

		1230411	
Operator Name:	Lease Name:	Well #:	
Sec TwpS. R East West	County:		

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No		Log Formatio	on (Top), Depth an	Top), Depth and Datum				
Samples Sent to Geolog		Yes No	Nar	ne		Тор	Datum			
Cores Taken Electric Log Run		Yes No								
List All E. Logs Run:										
			RECORD N	lew Used termediate, producti	on, etc.					
Purpose of String	Purpose of String Size Hole Drilled		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives			
		ADDITIONA	L CEMENTING / SQ	UEEZE RECORD						
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives				
Protect Casing Plug Back TD										
Plug Off Zone										
Did you perform a hydraulic	fracturing treatment o	on this well?		Yes	No (If No, ski	p questions 2 an	d 3)			

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

Yes	No
Yes	No
Yes	No

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

(If No, fill out Page Three of the ACO-1)

Shots Per Foot		PERFORATION Specify For	RECOF	RD - Bridge F Each Interval	Plugs Set/Typ Perforated	e	A	Depth			
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner Ru	n:	No		
Date of First, Resumed	Producti	ion, SWD or ENHF	} .	Producing N		oing	Gas Lift	Other (Explain)			
Estimated Production Oil Bbls. Per 24 Hours				Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity	
DISPOSITI	ON OF G	BAS:	_					TION: PRODUCTION INTERVAL:			
Vented Solo	J 🗌 t	Jsed on Lease		Open Hole	Perf.	Uually (Submit)	Comp.	Commingled (Submit ACO-4)			
(If vented, Su	bmit ACO	D-18.)		Other (Specify))		,	(505/111 ACO-4)			

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Red Oak Energy, Inc.
Well Name	Brown 9-1
Doc ID	1230411

All Electric Logs Run

CND	
DIL	
MIC	
SON	

SWIFT	CHARGE TO:	RED DAK ENERGY			TICKET	28025
	CITY, STATE, ZIP CODE	ODE			PAGE	OF 2
Services, Inc.						
SERVACE LOCATIONS - KS. WELLIPROJECT NO.		REAL OF COUNTY MARTIN	STATE CITY	ILL CTTY, KS	HING	Y
TICKET TYPE	LCL I	IL & A RIG	SHIPPED DELI	DELIVERED TO	ORDER NO.	
		WELL CATEGORY JOB PURPOSE LONESTRING		WELL PERMIT NO.	WELL LOCATION 1'2	SW NEVA
REFERAL LOCATION INVOICE INSTRUCTIONS						
PRICE SECONDARY REFERENCE/ REFERENCE PART NUMBER	LOC ACCOUNTING	DESCRIPTION		ατγ. Ι υ.Μ. ατγ.	U/M PRICE	AMOUNT
1		MILEAGE \$ 115		JUM MIL	0)	-120 m
579	· · · ·	Pump CHARGE		875	2000 2	20002
402		NEWTRALIZERS		S13A	201	5600
403	2	(TENNENT BASKETS		2 &	300)	(a00)
Lins Lins			FILL	169.	375 20	375 2
408		DL & P		164	35500	3550 4
H17		DOWN PLUG 4	BAFLE	154	2000	200%
120		MUD FLUSH		500 m	Q. 1	(135 <u>=</u>
221		DX		70/7	as the	1002
			SURVEY	AGREE DECIDED	AGREE	8430 0
LEGAL TERMS: Customer hereby acknowledges and agrees to	ges and agrees to	REMIT PAYMENT TO:	OUR EQUIPMENT PERFORMED	MED	PAGE IUIAL	10/080 120
the terms and conditions on the reverse studentered written includes but are not limited to PAYMENT RELEASE. INDEMNITY , and	INDEMNITY, and		WE UNDERSTOOD AND	D D		2010
LIMITED WARRANTY provisions.		SWIFT SFRVICES INC.	TOUR SERVICE WAS	JT DELAY?	1etotol us	14/10-
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR BELIVERY OF GOODS	RIOR TO		WE OPERATED THE EQUIPMENT	EQUIPMENT		1128 35
. Org		TY KS 67560	CALCUCATIONS SATISFACTORILY? ARE VOLI SATISFIED WITH OUR SERVICE	WITH OUR SERVICE?	7.12/0	
1	A.M.			D YES D NO	TOTAL	ST AL- DL
4NOV14	UO KEN.	185-198-2300		CUSTOMER DID NOT WISH TO RESPOND		20'100 m
CUSTOR	MER ACCEPTANCE OI	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this licket	ledges receipt of the r	naterials and services listed on th	s ticket.	
SWIFT OPERATOR A CLUM	APPF	APPROVAL				Inank, You!
0 1 0						

B LO	DAKENE	0/14	WELL NO.			LEASE BRI	Plan	-1 JOB TYPE 55 LONGSTRING TICKET NO. 28025						
CHART	T T		VOLUME	PUM	PS	PRESSUR	E (PSI)	DESCRIPTION OF OPERATION AND MATERIALS						
NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	T	С	TUBING	CASING	ONLOCATION						
	0900		-					UN FOCH ITON						
	1000							START PIPE 53-14#						
	1220							RTD 4050						
								SHOE JT. 20'						
								CENTRALIZERS 1,2,35,6,8,41,43						
					+			BASKETS S.42						
					<u> </u>			BASKETS 5,42 DV TOOL# 42@2206						
					-									
	1419							DROP BALL-CIRCULATE.						
the second second														
	1450	6	12		1		300	Pump 500 gor MUD FLUSH						
	1	le	2D		V		300	PUROP 20 BERKEL SPACER						
	1455	4	42		1			m1x175sxEA-2						
	1507		4					WASH OUT PUMP & LINES.						
	1510	7			1			START DISPLACING PLUG						
	1526	X	98			,	1500	PLUG DOWN - LATCH PLUGEN.						
	1528				1			RELEASE PSI-DRY						
	153D							DROP DU OPENING TOOL						
	1531		7					PLUG RH-3DSx						
	1538		20			4	1400	OPEN DN TOOL PLIME 20 BADKELSPACE						
	1541	6	116			0	400	MIX 210 SX SMD						
	1606							WASH OUT PUMP & LINES.						
	1608	6				4		START DISPLACING DV CLOSING TOOL PU						
	1618	Ø	54		1		1500	PLUG DOWN - CLOSE DV TOOL						
				ļ	\square			ARCHATE. 35 SX TO PIT						
	1620							RELEASE PSI-DRY SOS COMPLETE WASH TRUCK						
	1622							SOS COMPLETE WASH IRNCR						
					+-			The Ar artic						
	1700				-			JOB COMPLETE						
		10			+			THANKS #115						
	_				+									
				+	+		-	JASON DAVE JARED						
					+-	-								
					+									
					+	+								
are not been as the second second														

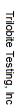
	583	S B I	022	325			 				290	285	284	283	276	REFERENCE		mins
																SECONDARY REFERENCE/	Off: 7	PO
*																ACCOUNTING TIME	Ness City, KS 67560 Off: 785-798-2300	PO Box 466
	CHARGE TUDA AND LONDED AND ED		SMD CEMENT	STANDARD EA-2	00000000000000000000000000000000000000						D-AIR	CFR-1	CALSEAL	SALT	FLOCELE	DESCRIPTION	MED OAK ENERGY	TICKET CONTINUATION
CONT	07,7771 annor	CUBICFEET TO SK 4//S	240 sx	xs_SU/						• ••••• •••	SM	100) 165	8 ISX	200 165	110 lbs	QTY U/M QTY U/M	MELL TSROWN 9-1	
CONTINUATION TOTAL /DL080 20	51. LLP1 201	930	18 55 (1h/th) 55 81	2537	 						2018 21012	<u>05</u> 4	280	180	275	AMOUNT	DATE/4NON 14 PAGE 2 OF 2	TICKET No. 28025-

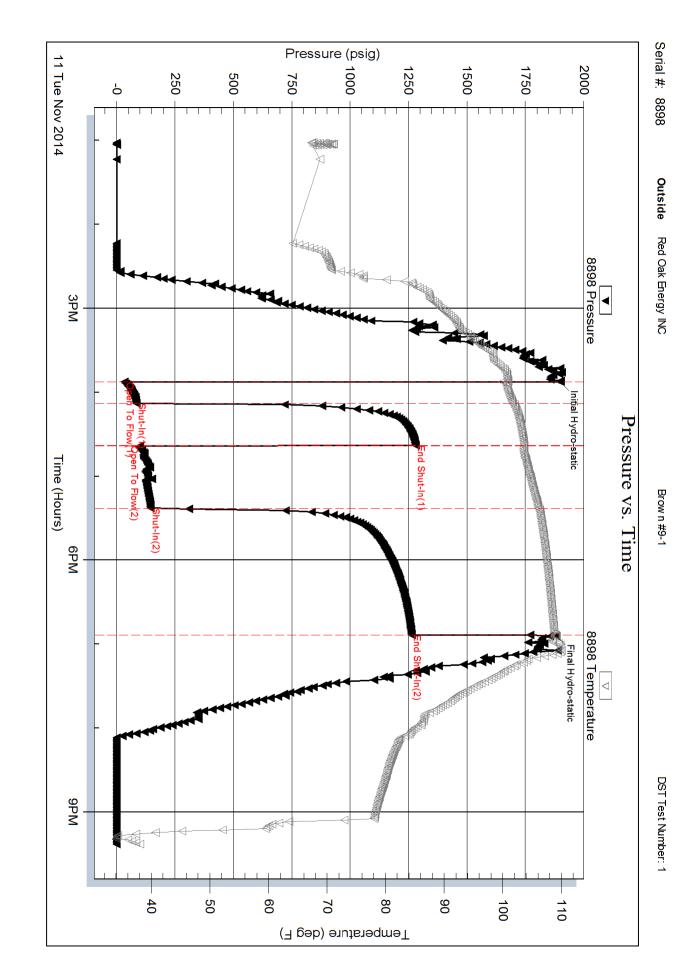
RILOBITE	DRILL STEM TE	ST REP	ORT			
	Red Oak Energy INC		9-7-2	4 Graham	ı Co.	
ESTING ,	The Endlogg Broterio		Brow	/n #9-1		
	Wlchia KS 67207		Job Tid	cket: 60687	DST	#:1
	ATTN: Sean Deenihan		Test S	Start: 2014.1	1.11 @ 13:01:4	5
GENERAL INFORMATION:						
Formation:LKC FDeviated:NoWhipstorTime Tool Opened:15:52:35Time Test Ended:21:23:05	k: ft (KB)		Test T Tester Unit No	: Tate	entional Bottom Lang	Hole (Initial)
Total Depth: 3888.00 ft (KB)	3888.00 ft (KB) (TVD) (TVD) Hole Condition: Good		Refere	ence Elevatio KB to GR	2518.	.00 ft (KB) .00 ft (CF) .00 ft
Serial #: 8898 Outside						
Press@RunDepth:146.55 p.Start Date:2014.11Start Time:13:01	11 End Date:	2014.11.11 21:23:05	Capacity: Last Calib.: Time On Btr Time Off Bt	m: 2014	8000. 2014.11. .11.11 @ 15:52: .11.11 @ 18:54:	25
90-Dead no	ow built to 11 in		DRE		SUMMARY	
2000 - 2556 Pressure	Image: State Strengerature	Time			nnotation	
1730	110	(Min.)		deg F)		
		0	1898.47 34.05		al Hydro-static en To Flow (1)	
		16			ut-In(1)	
		46		103.64 End		
					en To Flow (2)	
		40 91 182			ut-ln(2) I Shut-ln(2)	
		182	1 1		al Hydro-static	
394 11 Tue Nov 2014 Time	6RM 9RM Haus)					
Recov	ry			Gas Ra	ates	1
Length (ft) Description	. ,			Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
120.00 MCW 20%M 80%W	0.59					
62.00 WCM 25% W 75% M	0.87					
75.00 V SOCWM 3%O 22%						
5.00 100%O	0.07					
	Ref No: 60687			Printed: 201/		

DRILL STEM TEST REPORT PRICE STING, /// Ped Oak Energy INC 9-7-24 Graham Co. 7/01 E Kellogg Dr STE 710 Job Ticket: 60687 DST#:1 JUD Ticket: 60687 DST#:1 ATTN: Sean Deenihan Test Start: 2014.11.11 @ 13.01:45 GENERAL INFORMATION: Test Type: Conventional Bottom Hole (Initial Test Ended: 21:23:05 Time Tool Opened: 15:52:35 Unit No: 77 Interval: 3830.00 ft (KB) TO 3888.00 ft (KB) (TVD) Total Depth: 3888.00 ft (KB) (TVD) Total Depth: 3888.00 ft (KB) (TVD) Press @RunDepth: psig @ 3832.00 ft (KB) Start Date: 2014.11.11 Brite: 2014.11.11 End Date: 2014.11.11 Start Time: 13:01:31 End Time: 2014.11.11 End Date: 2014.11.11 Time On Dim: Time On Dim: Time Off Btm: Time Off Btm:
While KS 67207 Job Ticket: 60687 DST#:1 ATTN: Sean Deenihan Test Start: 2014.11.11 @ 13:01:45 GENERAL INFORMATION: Exercise 1 Formation: LKC F Deviated: No Deviated: No Time Tool Opened: 15:52:35 Test Ended: 21:30.05 Unit No: 77 Interval: 3838.00 ft (KB) (TVD) Total Depth: 3838.00 ft (KB) (TVD) Total Depth: 3838.00 ft (KB) (TVD) Berial #: 8897 Inside Capacity: Press @RunDepth: psig @ 3832.00 ft (KB) Start Date: 2014.11.11 13:01:31 End Time: 21:2:2:50 Time Of Btm: TEST COMMENT: 15-Fair blow built to 6 in 30-bead no blow back 45-Strong blow built to 11 in 90-Dead no blow back Time (Mm.) Pressure Temp Annotation Temp Annotation Image: Temp Annotation Temp Annotation
Job licket: 60697 DST#:1 ATTN: Sean Deenihan Test Stat: 2014.11.11 @ 13.01.45 GENERAL INFORMATION: Formation: LKC F Deviated: No Whipstock: ft (KB) Time Tool Opened: 15.52:35 Test Type: Conventional Bottom Hole (hitila) Time Tool Opened: 15.52:35 Unit No: 77 Interval: 3830.00 ft (KB) (TVD) 2518.00 ft (CF) Total Depth: 3888.00 ft (KB) (TVD) Reference Elevations: 2523.00 ft (KB) Serial #: 8897 Inside Reference Elevations: 2523.00 ft (KB) Press@RunDepth: psig @ 3832.00 ft (KB) Capacity: 8000.00 psig Start Dete: 2014.11.11 End Date: 2014.11.11 Last Calb: 2014.11.11 Start Date: 2014.11.11 End Date: 2014.11.11 Last Calb: 2014.11.11 Start Date: 2014.11.11 End Date: 2014.11.11 Last Calb: 2014.11.11 Start Date: 2014.11.11 End Date: 2014.11.11 Last Calb: 2014.11.11 Start Date: 13.01.31 End Time: 21:22.50 Time On Bim: Time Off Bim: </td
GENERAL INFORMATION: Formation: LKC F Deviated: No Whipstock: ft (KB) Time Tool Opened: 15:52:35 Time Test Ended: 21:23:05 Interval: 3388.00 ft (KB) (TVD) Total Depth: 3388.00 ft (KB) (TVD) Total Depth: 3888.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Good Serial #: 8897 Inside Press@RunBopth: psig @ 3832.00 ft (KB) Start Date: 2014.11.11 End Date: 2014.11.11 Start Time: 13:01:31 End Time: 21:22:50 Time On Btrr: TIME Of Btrr: TEST COMMENT: 15-Fair blow built to 6 in 30-Dead no blow back 45-Strong blow built to 11 in 90-Dead no blow back
Formation: LKC F Deviated: No Whipstock: ft (KB) Time Tool Opened: 15:52:35 Time Test Ended: 21:23:05 Therval: 3830.00 ft (KB) To 3888.00 ft (KB) (TVD) Total Depth: 3888.00 ft (KB) (TVD) Hole Diameter: 7.88 inchesHole Condition: Good Serial #: 8897 Inside Press@RunDepth: psig @ 3832.00 ft (KB) Start Date: 2014.11.11 End Date: 2014.11.11 Start Time: 13:01:31 End Time: 21:22:50 Time On Btm TEST COMMENT: 15-Fair blow built to 6 in 30-Dead no blow back 45-Strong blow built to 11 in 90-Dead no blow back 15-Fair blow built to 11 in 90-Dead no blow back 15-Fair blow built to 11 in 10-Dead no blow back 15-Fair blow built to 11 in 15-Fair blow built to 15 in 15-Fair blow built to 15
Deviated: No Whipstock: ft (KB) Time Tool Opened: 15:52:35 Time Test Ended: 21:23:05 Interval: 3330.00 ft (KB) To 3888.00 ft (KB) (TVD) Total Depth: 3888.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Good Serial #: 8897 Inside Press @RunDepth: psig @ 3832.00 ft (KB) Start Date: 2014.11.11 End Date: 2014.11.11 Last Calib: 2014.11.11 Start Time: 13:01:31 End Time: 21:22:50 Time On Btm: TEST COMMENT: 15-Fair blow built to 6 in 30-Dead no blow back 45-Strong blow built to 11 in 90-Dead no blow back
Total Depth: 3888.00 ft (KB) (TVD) Hole Diameter: 7.88 inchesHole Condition: Good KB to GR/CF: 5.00 ft Serial #: 8897 Inside Press@RunDepth: psig @ 3832.00 ft (KB) Start Date: 2014.11.11 End Date: 2014.11.11 Last Calib.: 2014.11.11 Start Time: 13:01:31 End Time: 21:22:50 Time On Btm: TEST COMMENT: 15-Fair blow built to 6 in 30-Dead no blow back 45-Strong blow built to 11 in 90-Dead no blow back 45-Strong blow built to 11 in 90-Dead no blow back
Press@RunDepth: psig @ 3832.00 ft (KB) Capacity: 8000.00 psig Start Date: 2014.11.11 End Date: 2014.11.11 Last Calib.: 2014.11.11 Start Time: 13:01:31 End Time: 21:22:50 Time On Btm: Time Off Btm: TEST COMMENT: 15-Fair blow built to 6 in 30-Dead no blow back 45-Strong blow built to 11 in 90-Dead no blow back
30-Dead no blow back 45-Strong blow built to 11 in 90-Dead no blow back
BUT Presure BUT Presure BUT Presure BUT Presure BUT Presure COLO C
Crop Crop Crop Crop Crop Crop Crop Crop
Recovery Gas Rates
Length (ft) Description Volume (bbl) Choke (inches) Pressure (psig) Gas Rate (Model)
120.00 MCW 20%M 80%W 0.59
62.00 WCM 25% W 75% M 0.87
75.00 V SOCWM 3%O 22%W 75%M 1.05
5.00 100%O 0.07

			LL STEM TEST R		_		
	RILOBITE		ak Energy INC		9-7-24 Gra		FLUID SUMMARY
	ESTING , IN	in					
		11016	Kellogg Dr STE 710 KS 67207		Brown #9	-1	
		vvicnia	NS 07207		Job Ticket: 6	60687	DST#:1
		ATTN:	Sean Deenihan		Test Start: 2	2014.11.11 @ 13	3:01:45
Mud and Cu	ushion Information	n					
• •	el Chem		Cushion Type:			Oil A PI:	deg API
Mud Weight:	9.00 lb/gal		Cushion Length:		ft	Water Salinity:	64000 ppm
/iscosity:	51.00 sec/qt		Cushion Volume:		bbl		
Vater Loss:	6.00 in ³		Gas Cushion Type:				
Resistivity:	ohm.m		Gas Cushion Pressure:		psig		
Salinity: Filter Cake:	1400.00 ppm 1.00 inches						
Recovery In	formation						
			Recovery Table		Γ	-	
		ngth ft	Description		Volume bbl		
		120.00	MCW 20%M 80%W		0.59	0	
		62.00	WCM 25%W 75%M		0.87	-	
		75.00	VSOCWM 3%O 22%W 75%M		1.05		
		5.00	100%O		0.07	0	
	Total Length:	262	2.00 ft Total Volume:	2.582 bbl			
	Num Fluid Sa	-	Num Gas Bombs:	0	Serial #		
	Laboratory N		Laboratory Location:				
	Recovery Co	omments: .4	84 @ 15 F = 64000				

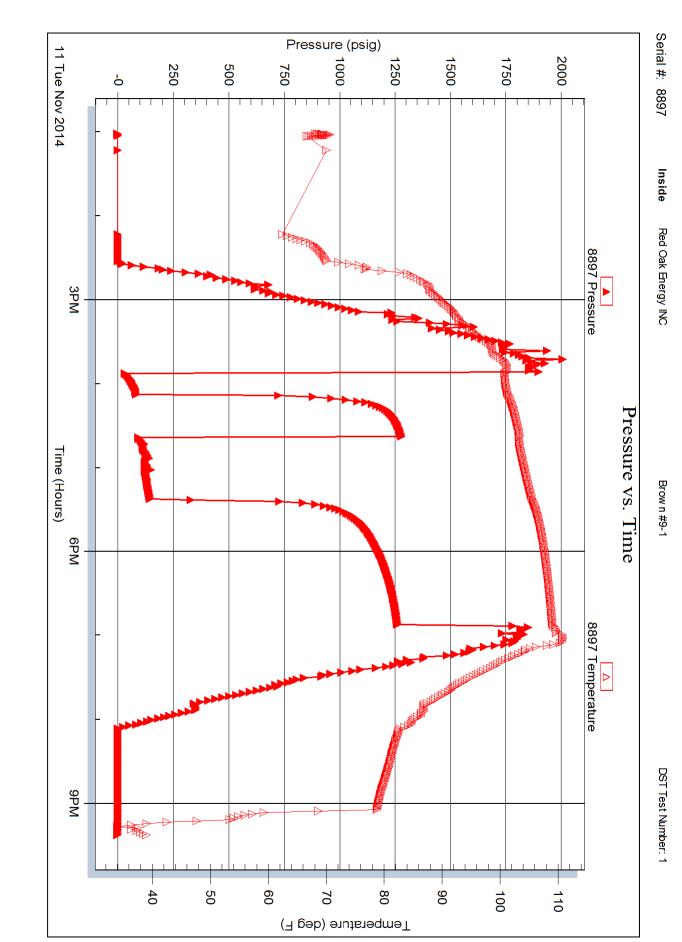
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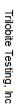


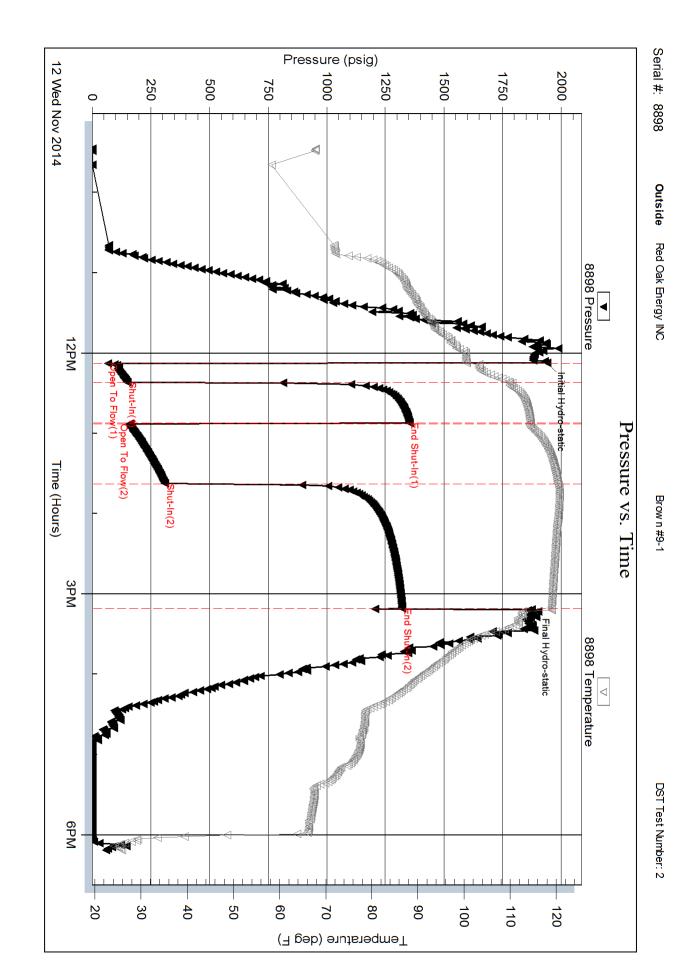
	DRILL STEM TES	ST REPO	ORT		
RILOBITE	Red Oak Energy INC		9-7-24 G	raham Co.	
ESTING , INC.	7701 E Kellogg Dr STE 710 Wlchia KS 67207		Brown # Job Ticket		DST#:2
	ATTN: Sean Deenihan			2014.11.12 @	
GENERAL INFORMATION:					
Formation:LKC JDeviated:NoWhipstock:Time Tool Opened:12:07:34Time Test Ended:18:11:33	ft (KB)		Test Type Tester: Unit No:	: Conventiona Tate Lang 77	al Bottom Hole (Reset)
Interval:3950.00 ft (KB) To39Total Depth:3974.00 ft (KB) (The second secon				e Elevations: KB to GR/CF:	2523.00 ft (KB) 2518.00 ft (CF) 5.00 ft
45-B.O.B. in 5 m	End Date: End Time: ins blow back built to 4 in	2014.11.12 18:11:33	Capacity: Last Calib.: Time On Btm: Time Off Btm:	2014.11.12 2014.11.12	
Pressure vs. 7			PRESS		ARY
2000 1750	555 Temperature 555 Temperature 7 million rank 190 190 190 190 190 190 190 190	Time (Min.) 0 1 15 45 46 91	Pressure Tem (psig) (deg 1939.62 100 68.16 100 149.46 109 1353.16 114 158.29 114 309.81 120	p Annotatio F) .57 Initial Hydr .49 Open To F	o-static low (1) n(1)
		184 185	1322.54 118 1873.92 119		. ,
		184 185	1873.92 119		. ,
200 200 200 200 200 200 200 200	37M (bbl)	184 185	1873.92 119	.04 Final Hydro	. ,
78 78 590 78 21 78 22 78 23 78 24 78 25 78 26 78 27 78 28 78 29 78 20 78 20 78 28	Volume (bbl) 60	184 185	1873.92 119	.04 Final Hydro	o-static
2Wed Nov 2014 E2 Market responses to the second sec	37M (bbl)	184 185	1873.92 119	.04 Final Hydro	o-static
TR TR Filler 200	Volume (bbl) 60 0.59 8.46	184 185	1873.92 119	.04 Final Hydro	o-static

	DRILL STEM TES	ST REPO	ORT			
RILOBITE	Red Oak Energy INC		9-7-24	Graham	Co.	
ESTING , INC			Brown	n #9-1		
	Wlchia KS 67207		Job Ticł	et: 60688	DST	#:2
	ATTN: Sean Deenihan		Test Sta	art: 2014.11.	12 @ 09:27:1	4
GENERAL INFORMATION:						
Formation: LKC J Deviated: No Whipstock: Time Tool Opened: 12:07:34 Time Test Ended: 18:11:34	ft (KB)		Test Ty Tester: Unit No:	Tate La	ntional Bottom ang	Hole (Reset)
Interval:3950.00 ft (KB) To39Total Depth:3974.00 ft (KB) (THole Diameter:7.88 inches Hole			Referer	KB to GR/0	2518	.00 ft (KB) .00 ft (CF) .00 ft
Serial #: 8897InsidePress@RunDepth:psigStart Date:2014.11.12Start Time:09:27:26TEST COMMENT:15-B.O.B. in 4 m	End Date: End Time:	2014.11.12 18:11:44	Capacity: Last Calib.: Time On Btm Time Off Btm		8000. 2014.11.	.00 psig .12
45-B.O.B. in 5 m	blow back built to 6 in	Timo		SURE SU		
2 Welling 23H		Time (Min.)		emp Anr eg F)	iotation	
Recovery			•	Gas Rat	es	
Length (ft) Description	Volume (bbl)			Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
120.00 MCGO 30%M 10%G 60% 603.00 GO 25%G 75%O	6O 0.59 8.46					
0.00 240 GIP	0.00					
* Recovery from multiple tests						

	ILOBITE		ILL STEM TEST REPC			LUID SUMMAR
	ESTING , INC	Red O	ak Energy INC	9-7-24 Gr	aham Co.	
		11016	EKellogg Dr STE 710 a KS 67207	Brown #9		DST#:2
		ATTN:	Sean Deenihan		2014.11.12 @ 09	:27:14
lud and Cushio	on Information	ļ				
Vater Loss: Resistivity:	em 9.00 lb/gal 51.00 sec/qt 6.40 in ³ ohm.m 00.00 ppm 1.00 inches		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	ft bbl psig	Oil API: Water Salinity:	deg API ppm
Recovery Inform	nation					
			Recovery Table		_	
	Leng ft	th	Description	Volume bbl		
		120.00	MCGO 30%M 10%G 60%O	0.59	00	
		603.00	GO 25%G 75%O	8.45		
		0.00	240 GIP	0.00	00	
	Total Length:	723	3.00 ft Total Volume: 9.049) bbl		
	Num Fluid Sam Laboratory Nar Recovery Com	oles:0 me:	Num Gas Bombs: 0 Laboratory Location:	Serial a	#:	
	Num Fluid Sam Laboratory Nar	oles:0 me:	Num Gas Bombs: 0		#:	
	Num Fluid Sam Laboratory Nar	oles:0 me:	Num Gas Bombs: 0		#:	
	Num Fluid Sam Laboratory Nar	oles:0 me:	Num Gas Bombs: 0		#:	
	Num Fluid Sam Laboratory Nar	oles:0 me:	Num Gas Bombs: 0		#:	
	Num Fluid Sam Laboratory Nar	oles:0 me:	Num Gas Bombs: 0		#:	
	Num Fluid Sam Laboratory Nar	oles:0 me:	Num Gas Bombs: 0		#:	
	Num Fluid Sam Laboratory Nar	oles:0 me:	Num Gas Bombs: 0		#:	
	Num Fluid Sam Laboratory Nar	oles:0 me:	Num Gas Bombs: 0		#:	

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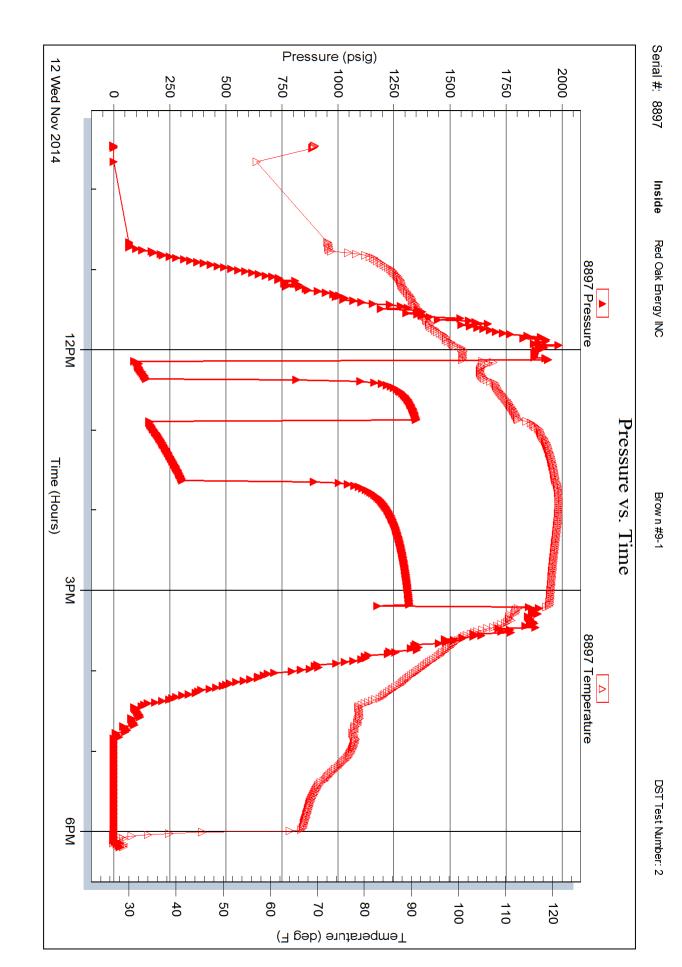




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Ref. No: 60688

Trilobite Testing, Inc

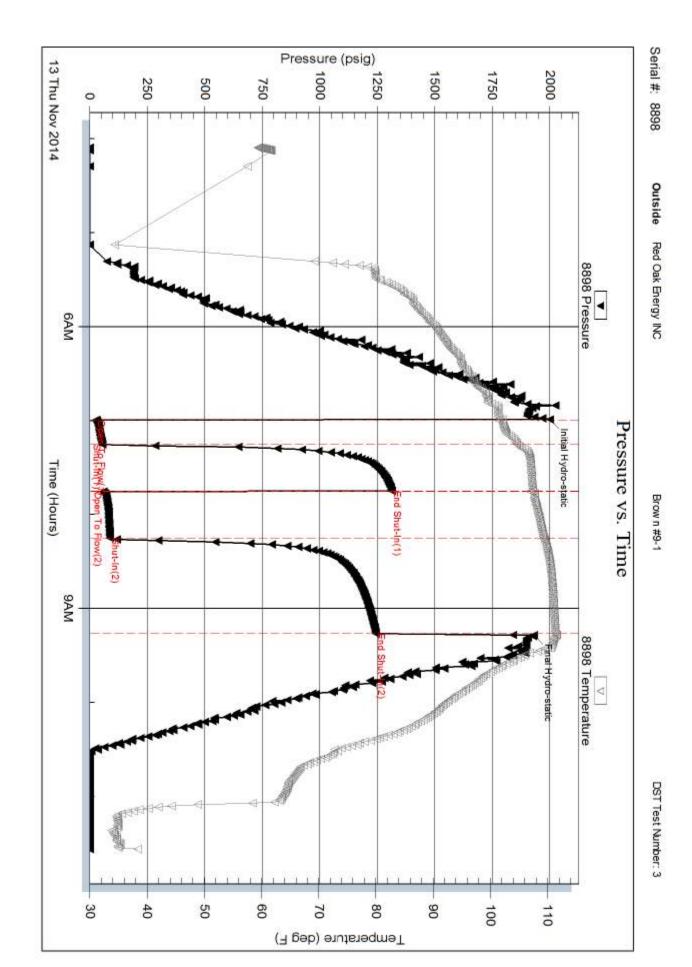


	NTE	DRILL STEM TES			24 Cro	nam Co.		
TEST	ING MC							
		7701 E Kellogg Dr STE 710 Wichia KS 67207			own #9-'			
					Ticket: 60		DST#:3	
	, A	ATTN: Sean Deenihan		Test	t Start: 20)14.11.13 @	04:05:38	
GENERAL INFORMAT	ION:							
Formation: LKC K Deviated: No	\\/hinchcol/			Tee		Conventione	al Dattara Liai	
Deviated: No Time Tool Opened: 06:59:18	Whipstock: 3	ft (KB)		Tes		Tate Lang	al Bottom Hol	e (Resel)
Time Test Ended: 11:33:58				Unit		77		
Interval: 3978.00 ft	(KB) To 4012	.00 ft (KB) (TVD)		Refe	erence 🖂	evations:	2523.00	ft (KB)
	0 ft (KB) (TVD)						2518.00	
Hole Diameter: 7.8	8 inchesHole Co	ondition: Good			KB t	o GR/CF:	5.00	ft
	Outside							
Press@RunDepth:	88.76 psig @		00444446	Capacity			8000.00	psig
Start Date: Start Time:	2014.11.13 04:05:39	End Date: End Time:	2014.11.13 11:33:58	Last Calil Time On I			2014.11.13 @ 06:59:08	
	UT.UJ.JJ		11.00.00	Time Off			@ 09:16:58	
	Pressure vs. Time			PF	RESSUF	RE SUMM	IARY	
T I I I I I I I I I I I I I I I I I I I								
2000			Time (Min.)	Pressure	Temp (deg F)	Annotatio	on	
			Time (Min.) 0		Temp (deg F) 102.09	Initial Hydro	o-static	
2000		10	(Min.) 0 1	Pressure (psig) 2000.41 28.67	(deg F) 102.09 101.32	Initial Hydro Open To F	o-static ⁻ low (1)	
2000		110	(Min.) 0 1 16	Pressure (psig) 2000.41 28.67 54.87	(deg F) 102.09 101.32 104.67	Initial Hydro Open To F Shut-In(1)	o-static ⁻ low (1)	
2000 1750 1500			(Min.) 0 1 16 46	Pressure (psig) 2000.41 28.67	(deg F) 102.09 101.32 104.67 107.42	Initial Hydro Open To F	o-static ⁻ low (1) ln(1)	
2000 1720 1200			(Min.) 0 1 16 46 46 76	Pressure (psig) 2000.41 28.67 54.87 1314.20 60.48 88.76	(deg F) 102.09 101.32 104.67 107.42 106.94 109.31	Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2)	o-static Flow (1) In(1) Flow (2)	
2000 1720 1200			(Min.) 0 1 16 46 46 46 76 137	Pressure (psig) 2000.41 28.67 54.87 1314.20 60.48 88.76 1244.48	(deg F) 102.09 101.32 104.67 107.42 106.94 109.31 111.34	Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	o-static Flow (1) In(1) Flow (2)	
2000 1720 1220 1000 720 720 720			(Min.) 0 1 16 46 46 76	Pressure (psig) 2000.41 28.67 54.87 1314.20 60.48 88.76	(deg F) 102.09 101.32 104.67 107.42 106.94 109.31	Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	o-static Flow (1) In(1) Flow (2)	
2000 1720 1220 1000 1000			(Min.) 0 1 16 46 46 46 76 137	Pressure (psig) 2000.41 28.67 54.87 1314.20 60.48 88.76 1244.48	(deg F) 102.09 101.32 104.67 107.42 106.94 109.31 111.34	Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	o-static Flow (1) In(1) Flow (2)	
2300 1750 1750 1750 1750 1750 1750 1750 17			(Min.) 0 1 16 46 46 46 76 137	Pressure (psig) 2000.41 28.67 54.87 1314.20 60.48 88.76 1244.48	(deg F) 102.09 101.32 104.67 107.42 106.94 109.31 111.34	Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	o-static Flow (1) In(1) Flow (2)	
			(Min.) 0 1 16 46 46 46 76 137	Pressure (psig) 2000.41 28.67 54.87 1314.20 60.48 88.76 1244.48	(deg F) 102.09 101.32 104.67 107.42 106.94 109.31 111.34	Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	o-static Flow (1) In(1) Flow (2)	
	Time(Han)		(Min.) 0 1 16 46 46 46 76 137	Pressure (psig) 2000.41 28.67 54.87 1314.20 60.48 88.76 1244.48	(deg F) 102.09 101.32 104.67 107.42 106.94 109.31 111.34 111.50	Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	o-static Flow (1) In(1) Flow (2)	
2000 1729	Time (Haus)		(Min.) 0 1 16 46 46 46 76 137	Pressure (psig) 2000.41 28.67 54.87 1314.20 60.48 88.76 1244.48	(deg F) 102.09 101.32 104.67 107.42 106.94 109.31 111.34 111.50 Ga	Initial Hydro Open To F Shut-In(1) End Shut-II Open To F Shut-In(2) End Shut-II Final Hydro	o-static Flow (1) Flow (2) In(2) o-static	s Rate (Moffed
2000 1750	Time (tans)	90 90 90 90 90 90 90 90 90 90 90 90 90 9	(Min.) 0 1 16 46 46 46 76 137	Pressure (psig) 2000.41 28.67 54.87 1314.20 60.48 88.76 1244.48	(deg F) 102.09 101.32 104.67 107.42 106.94 109.31 111.34 111.50	Initial Hydro Open To F Shut-In(1) End Shut-II Open To F Shut-In(2) End Shut-II Final Hydro	o-static Flow (1) Flow (2) In(2) o-static	s Rate (Mcf/d)
2000 1750	Time (Hans) Recovery Description // 98%W	Volume (bbl) 0.59	(Min.) 0 1 16 46 46 46 76 137	Pressure (psig) 2000.41 28.67 54.87 1314.20 60.48 88.76 1244.48	(deg F) 102.09 101.32 104.67 107.42 106.94 109.31 111.34 111.50 Ga	Initial Hydro Open To F Shut-In(1) End Shut-II Open To F Shut-In(2) End Shut-II Final Hydro	o-static Flow (1) Flow (2) In(2) o-static	s Rate (Mcf/d
2000 1770	Time (Hans) Recovery Description // 98%W	90 90 90 90 90 90 90 90 90 90 90 90 90 9	(Min.) 0 1 16 46 46 46 76 137	Pressure (psig) 2000.41 28.67 54.87 1314.20 60.48 88.76 1244.48	(deg F) 102.09 101.32 104.67 107.42 106.94 109.31 111.34 111.50 Ga	Initial Hydro Open To F Shut-In(1) End Shut-II Open To F Shut-In(2) End Shut-II Final Hydro	o-static Flow (1) Flow (2) In(2) o-static	s Rate (Mcf/d)
2000 1750	Time (Hans) Recovery Description // 98%W	Volume (bbl) 0.59	(Min.) 0 1 16 46 46 46 76 137	Pressure (psig) 2000.41 28.67 54.87 1314.20 60.48 88.76 1244.48	(deg F) 102.09 101.32 104.67 107.42 106.94 109.31 111.34 111.50 Ga	Initial Hydro Open To F Shut-In(1) End Shut-II Open To F Shut-In(2) End Shut-II Final Hydro	o-static Flow (1) Flow (2) In(2) o-static	s Rate (Mcf/d
2000 1720	Time (Hans) Recovery Description // 98%W	Volume (bbl) 0.59	(Min.) 0 1 16 46 46 46 76 137	Pressure (psig) 2000.41 28.67 54.87 1314.20 60.48 88.76 1244.48	(deg F) 102.09 101.32 104.67 107.42 106.94 109.31 111.34 111.50 Ga	Initial Hydro Open To F Shut-In(1) End Shut-II Open To F Shut-In(2) End Shut-II Final Hydro	o-static Flow (1) Flow (2) In(2) o-static	s Rate (Mcf/d)
2000 1759	Time (Hans) Recovery Description // 98%W	Volume (bbl) 0.59	(Min.) 0 1 16 46 46 46 76 137	Pressure (psig) 2000.41 28.67 54.87 1314.20 60.48 88.76 1244.48	(deg F) 102.09 101.32 104.67 107.42 106.94 109.31 111.34 111.50 Ga	Initial Hydro Open To F Shut-In(1) End Shut-II Open To F Shut-In(2) End Shut-II Final Hydro	o-static Flow (1) Flow (2) In(2) o-static	s Rate (Mcf/d

		RILL STEM TEST REPOR	Т	F	
	Red	Oak Energy INC	9-7-24 Graha	m Co.	
	OBITE Red	1 E Kellogg Dr STE 710	Brown #9-1		
		hia KS 67207	Job Ticket: 6068	39	DST#: 3
N 57		N: Sean Deenihan	Test Start: 2014)5:38
ilen.					
Mud and Cushion	Information				
Mud Type: Gel Chem		Cushion Type:		API:	deg API
-	00 lb/gal 00 sec/qt	Cushion Length: Cushion Volume:	ft Wa bbl	ater Salinity:	70000 ppm
	40 in ³	Gas Cushion Type:	551		
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
-	00 ppm 00 inches				
Recovery Informat	ion				
-		Recovery Table			
	Length ft	Description	Volume bbl		
	120.00		0.590		
		0 100%M w ith oil spots	0.421		
	Total Length: 1	50.00 ft Total Volume: 1.011 bbl			
	Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:		

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GLOBAL CEMENTING, L.L.C.

1507

R	USSELL,	KS 67665		51	RVICE POINT:	unill le	S
DATE 11-7-14	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
A A	-					COUNTY	545PM
LEASE Drown	WELL #.	9-1	LOCATION			Gruham	STATE
OLD OR NEW (CIR	CLE ONE)		1				
CONTRACTOR W	Drille	ny Rig + 4		OWNER			
TYPE OF JOB	(f		10.				
CASING SIZE			D. 30511	_ CEMENT			
UBING SIZE			DEPTH		DERED 200 m	5 Com 3	Stole.
ORILL PIPE			EPTH	- 2%5			
OOL			DEPTH				
RES. MAX			DEPTH	- Contraction of the second		The second s	and the second
IEAS. LINE			INIMUM			@	
EMENT LEFT IN CSG		5.	HOE JOINT			@	
ERFS	30)	2.900		_ GEL		@	
ISPLACEMENT						@	
	EQUIPME	ENT		ASC		@	
	2.2011 MIL					@	
UMP TRUCK CE	MENTER	Cody				@	
0	LPER	Road				@	
ULK TRUCK		21011		-		@	_
BY DR	IVER	Marti				@	
ULK TRUCK		Set 11				@	
DR	IVED					(a)	
	IVER					<u> </u>	-
Dic	IVER					@	2
	IVER			HANDLING_		0	
				HANDLING MILEAGE		@ @	<u></u>
un 7 jounts c	REMA	ARKS:	anding joint Est			@ @	<u>.</u>
un 7 jounts c	REMA f State	C45109 + L	anding joint EST			@ @	
un 7 jourts o	REMA f 5 bg c	Casing + L red 20054	sof con Cusculates	MILEAGE	SER	@ @ TOTAL	
un 7 jounts c	REMA f 5 bg c	Casing + L red 20054	sof con Cusculates	MILEAGE DEPTH OF JOB	SER	@ @ TOTAL	
un 7 jourts o	REMA f 5 bg c	Casing + L red 20054	sof con Cusculates	MILEAGE DEPTH OF JOB PUMP TRUCK	SER CHARGE	@ @ TOTAI VICE	
un 7 jourts o	REMA f 5 bg c	Casing + L red 20054	sof con Cusculates	MILEAGE DEPTH OF JOB PUMP TRUCK EXTRA FOOTA	SER CHARGE	@ @ TOTAI VICE @	
un 7 jourts o	REMA f 5 bg c	Casing + L red 20054	sof con Cusculates	MILEAGE DEPTH OF JOB PUMP TRUCK EXTRA FOOTA MILEAGE	SER CHARGE	@ TOTAI VICE @	
un 7 jourts c accutation thated	REMA f 5 3 c ир римр 15 bb 5 c	(45109 + 6 and 2005/ 21 H2U SV	ed Con Cusculates Whinut 200psi	MILEAGE DEPTH OF JOB PUMP TRUCK O EXTRA FOOTA MILEAGE MANIFOLD	SER CHARGE	@ @ TOTAI VICE @ @ @ @ @ @	
un 7 jourts c accutation thated	REMA f 5 3 c ир римр 15 bb 5 c	(45109 + 6 and 2005/ 21 H2U SV	ed Con Cusculates Whinut 200psi	MILEAGE DEPTH OF JOB PUMP TRUCK O EXTRA FOOTA MILEAGE MANIFOLD	SER CHARGE	@ @ TOTAI VICE @ @ @ @ @ @ @ @ @ TOTAI	
un 7 jourts c accutation thated	REMA f 5 3 c ир римр 15 bb 5 c	(45109 + 6 and 2005/ 21 H2U SV	ed Con Cusculates Whinut 200psi	MILEAGE DEPTH OF JOB PUMP TRUCK O EXTRA FOOTA MILEAGE MANIFOLD	SER CHARGE	@ @ TOTAI VICE @ @ @ @ @ @ @ @ @ TOTAI	
un 7 jourts o	REMA f 5 3 c ир римр 15 bb 5 c	(45109 + 6 and 2005/ 21 H2U SV	ed Con Cusculates Whinut 200psi	MILEAGE DEPTH OF JOB PUMP TRUCK O EXTRA FOOTA MILEAGE MANIFOLD	SER CHARGE		
an 7 jourts c container Houted	REMA f S 3/3 c up Jump Isphils c	Enrog	V	MILEAGE DEPTH OF JOB PUMP TRUCK O EXTRA FOOTA MILEAGE MANIFOLD	SER CHARGE		
an 7 jourts c autoren Hosted anat Deplaced HARGE TO: Red	REMA f S 3/3 c up Jump Isphils c	Enrog	V	MILEAGE DEPTH OF JOB PUMP TRUCK O EXTRA FOOTA MILEAGE MANIFOLD	SER CHARGE	@ @ TOTAL VICE @ @ @ @ @ @ @ TOTAL	
an 7 jourts c container Houted	REMA f S 3/3 c up Jump Isphils c	Enrog	V	MILEAGE DEPTH OF JOB PUMP TRUCK O EXTRA FOOTA MILEAGE MANIFOLD	SER CHARGE	@ @ TOTAL VICE @ @ @ @ @ @ @ TOTAL	
LARGE TO: <u>Reet</u> Obal Cementing, L.	<u>REM</u> <u>4 5 % с</u> <u>ир римр</u> <u>15 hb/5 с</u> <u>100 k</u> STATE L.C.,	Enrog ZIF	ind can Cusculates	MILEAGE DEPTH OF JOB PUMP TRUCK O EXTRA FOOTA MILEAGE MANIFOLD	SER CHARGE GE GE	@	T
A 7 jounts of an 1 jounts of an 1 Deployed MARGE TO: <u>Med</u> REET TY obal Cementing, L. ou are hereby requ	REMA <u>4 S % c</u> <u>4 P mp</u> <u>15 hbs c</u> <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c} <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c} <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c} <u>15 hbs c}</u> <u>15 hbs c} <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c} <u>15 hbs c}</u> <u>15 hbs c} <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c} <u>15 hbs c} <u>15 hbs c}</u> <u>15 hbs c} <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c} <u>15 hbs c} <u>15 hbs c}</u> <u>15 hbs c} <u>15 hbs c} <u>15 hbs c} <u>15 hbs c} <u>15 hbs c} <u>15 hbs c} <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c}</u> <u>15 hbs c} <u>15 hbs c} <u>15 hbs c}</u> <u>15 hbs c} <u>15 hbs c} <u>15 hbs c} </u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u></u>	Enrog	ting equipment and	MILEAGE DEPTH OF JOB PUMP TRUCK (EXTRA FOOTA MILEAGE MANIFOLD	SER CHARGE GE GE	@	T
A 7 joints of an 7 joints of an 1 Deplaced IARGE TO: <u>Med</u> REET <u></u> obal Cementing, L. bu are hereby requiring cementer and	REMA State L.C., tested to 1 helper(s)	$\frac{2431ng + 4}{2431ng + 4}$ $\frac{1}{2424} + \frac{1}{2424} + \frac$	ting equipment and	MILEAGE DEPTH OF JOB PUMP TRUCK (EXTRA FOOTA MILEAGE MANIFOLD	SER CHARGE		T
ARGE TO: MARGE TO: MARGE TO: MARGE TO: NUMBER REET TY obal Cementing, L. bu are hereby requiring the company of the compan	REMA STATE L.C., rested to 1 helper(s) The above	Energy - L	ting equipment and	MILEAGE DEPTH OF JOB PUMP TRUCK (EXTRA FOOTA MILEAGE MANIFOLD	SER CHARGE		T
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Conservation Division 266 N. Main St., Ste. 220 Wichita, KS 67202-1513



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Shari Feist Albrecht, Chair Jay Scott Emler, Commissioner Pat Apple, Commissioner Sam Brownback, Governor

March 27, 2015

Sean Deenihan Red Oak Energy, Inc. 7701 E KELLOGG DR STE 710 WICHITA, KS 67207-1738

Re: ACO-1 API 15-065-24068-00-00 Brown 9-1 SW/4 Sec.09-07S-24W Graham County, Kansas

Dear Sean Deenihan:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 11/07/2014 and the ACO-1 was received on March 27, 2015 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department