Confidentiality Requested: Yes No

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

1226483

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

#### WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)
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. Abd.     CM (Coal Bed Methane)	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:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD     Plug Back     Conv. to GSW     Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD         Permit #:	Location of fluid disposal if hauled offsite:
ENHR         Permit #:	Operator Name:
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	County: Permit #:

#### AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

### Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Page Two	1226483
Operator Name:	Lease Name:	Well #:
Sec TwpS. R □ East □ West	County:	
INCTRUCTIONS. Show important tang of formations panatrated	Dotail all cores Report all fine	al copies of drill stoms tasts giving interval tested, time tool

**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		🗌 Lo	g Formatio	on (Top), Depth an		Sample
Samples Sent to Geolog	ical Survey	Yes No		Name			Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No						
List All E. Logs Run:								
			NG RECORD	New				
		Report all strings s	set-conductor, su	rface, interr	mediate, producti	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weig Lbs. /		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIO	NAL CEMENTIN	IG / SQUE	EZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks	Used		Type and Pe	ercent Additives	
Protect Casing Plug Back TD								

Did you perform a hydraulic	fracturing treatment	on this well?		Yes	No	(If No, skip questions 2 and 3)
Does the volume of the total	base fluid of the hyd	Iraulic fracturing treatment ex	ceed 350,000 gallons?	Yes	No	(If No, skip question 3)
Was the hydraulic fracturing	treatment informatio	n submitted to the chemical o	disclosure registry?	Yes	No	(If No, fill out Page Three of the ACO-1)

Plug Off Zone

Shots Per Foot		PERFORATION Specify For		RD - Bridge P Each Interval I		96	/		ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Size	9:	Set At:		Packe	r At:	Liner R	un:	No	
Date of First, Resumed	I Productio	n, SWD or ENHF	<b>}</b> .	Producing N	/lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI	ION OF GA	AS:			METHOD		ETION:	_	PRODUCTION INTE	RVAL:
Vented Solo		sed on Lease		Open Hole	Perf.	Dually (Submit)	r Comp. 4 <i>CO-5)</i>	Commingled (Submit ACO-4)		
(If vented, Su	Ibmit ACO-	18.)		Other (Specify)						

Form	ACO1 - Well Completion
Operator	O'Brien Resources, LLC
Well Name	Vondracek 4 1
Doc ID	1226483

All Electric Logs Run

Density Neutron Micro
Induction
Neutron Sonic Overlay
Sonic

Form	ACO1 - Well Completion
Operator	O'Brien Resources, LLC
Well Name	Vondracek 4 1
Doc ID	1226483

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Sacks	Type and Percent Additives
Surface	12.125	8.625	20	263	Common	200	3%CC & 2%Gel
Production - Top Stg	7.875	4.5	10.5	1220	60/40 POZ	235	8%Gel
Production - Btm Stg	7.875	4.5	10.5	3851	OWC	175	5# Floseal

SEP 1 6 2014

CONSOLIDATED OIL Well Services, LLC

TICKET NUMBER	46653
	Ularks
FOREMAN MI	15 Shew

	or 800-467-8676	<b>)</b>	•	CEMEN	Τ			13
DATE	CUSTOMER #	WELL	NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
8-29-14	5950	Vond race	1 4 #1	,	4	195	170	Rusht
CUSTOMER	20		,	Rushconte				
	<u>JBrien</u>			E to Pol 310		DRIVER	TRUCK #	DRIVER
	_00			35	45GT118	Juckan		
11				6.5	460	Lance		
YTI		STATE ·	ZIP CODE	•	<u>5287129</u>	Jason 7		
		HOLE SIZE 7	14'	_ HOLE DEPT	H_ <i>38</i>	CASING SIZE & V	-	" 10,54
ASING DEPTH	3853	DRILL PIPE	1	_TUBING			OTHER JI for	11220,00
LURRY WEIGH	IT 14.7/ 11.8	SLURRY VOL	42/2.3	WATER gal/s	sk	CEMENT LEFT in		2./7
ISPLACEMENT	1 lal 12/ 1934	DISPLACEMENT	PSI	) MIX PSI <u>/00</u>	00/ 1000	RATE		
REMARKS:	sefety Ma	eting an	d rigue	on Me	workly of	atting 10	2 Flost &	aip ment
Central 12.	or on Tats 4	# 8,10,12,	Inil Tur	holizeson	. July 2.3	3,4,10 Bas	Hets Jats	: 2762
Dutenton	Sat 4 8.	Shart 630	1220° K	lun Casin	to be the	m Circula	4. Caring	the
Pump M	rud Alysh to	gitadin la	-if 20	bhls AC	Lactor	mix 1755	45 OEC4	1, \$6 54
Walson!	Shutdawa	Clerent Q	amp flip	ner Rela	sid plug (	laslag 4	apples wat	v 21/25
Mnol AIS	H Son OS! 1	and od play	a Q MM	osi and	held . Dry	per openi	e dat opp	n tad @
70005.0	stablish Cie	111	culate (	asing 1	12hs. Pro	wo mud fl	sh meri	235?hs
The second	SZ a WEST	I de Cla	Augstlie	Les Celeo	a Alua dos	Jan 193	1 1 1 1	410151
Discharge	So Gen Sha	racin liege	Libeld	1 1 1 1 1	J' I'La	14/14/11	to And	10 pr
PNG land	en Q THOM	SI TEXI SHU	- Inola	1 smont				
	Junglis		353	Certi		Thealls	Mha L	(ma) ·
M:	30545			Certific	÷. 4	Thanks	Mits to	new .
ACCOUNT		or UNITS	DE		of SERVICES or PI	Than MS T	UNIT PRICE	TOTAL
ACCOUNT		,	DI PUMP CHARC		of SERVICES or P	Thanks ) RODUCT	UNIT PRICE	
ACCOUNT		,	•		of SERVICES or Pl	Thanks The Roduct		TOTAL
ACCOUNT CODE SYO/C SYOC		,	PUMP CHAR		1 1	Thanks Roduct		TOTAL
ACCOUNT CODE StofC StofC StoC StoC		25	PUMP CHAR	GE	1 1	Thanks Roduct	3/75.00 5.25 1.75	TOTAL
ACCOUNT CODE SYO/C SYOC SYOTA 1/07		25	PUMP CHAR	GE	1 1	Thanks The Roduct	3/75.00 5.25 1.75 2.97	TOTAL 3/25-64 13/225 86/.87
ACCOUNT CODE S40/C S40C S40C S407A 1/07 1/10A		1 25 7 Tons 6 # 75 #	PUMP CHARC MILEAGE Ton MI Flosy Mols	3E UlPage d eal Sect	1 1	Thanks Roduct	3/75.00 5.25 1.75	TOTAL 3175 <sup>44</sup> 131-25 861.87 19602
ACCOUNT CODE S40/C S40C S407A 1/07 11/0A 11/8B	QUANITY 19. 19. 19. 19. 18.2	25 7 Tons 6 # 75 # 23 #	PUMP CHARC MILEAGE Floss Holss Bento	3E MPage d ea real n.t <sup>2</sup> Ge/	eliver	Thanks Roduct	3/75.00 5.25 1.75 2.97 .Slo i27	TOTAL 3/75 <sup>44</sup> 13/25 861.87 19602 490.00 490.00 492.21
ACCOUNT CODE S40/C S40C S407A 1/07 1//07 1//0A 1//8B 1/26	QUANITY /2. /2. /2. /2. /82 /82	25 7 Tons 6 # 75 # 23 # 55 ks	PUMP CHARC MILEAGE Ton M. Flos Hols Benton OWC	GE Pales d Seal nit Gel Camer	eliver	Thends	3/75.00 5.25 1.75 2.97 .56 .27 23.70	TOTAL 3/754 /3/254 /3/25 86/.87 19602 490.00 490.00 492.2/ 492.2/ 4147.5
ACCOUNT CODE S40/C S40C S407A 1/07 1/10A 1/18B 1/26 1/3/	QUANITY 19.7 19.7 19.7 19.7 17.7 2.45	25 7 Tons 6 # 75 # 75 # 75 # 75 # 55 # 5 \$ # 5 \$ # 5 # 5	PUMP CHARC MILEAGE Floss Floss Benton OWC	3E MPage d ea real n.t <sup>2</sup> Ge/	eliver	RODUCT	3/75.00 So25 1.75 2.97 .Slo i27 23.70 ISolo	TOTAL 3/25 <sup>44</sup> 13/25 86/.87 19602 490.00 490.00 492.21 4147.5 4202.90
ACCOUNT CODE S40/C S40C S40C S40C 1/07 1/07 1/07 1/07 1/07 1/07 1/07 1/07	QUANITY /9. /9. /9. /82 /82 /7. 2.45	25 7 Tons 6 # 75 # 23 # 55 Ks 5 SKs 29a/	PUMP CHARC MILEAGE Ton M. Flos Hols Benton OWC	3E Vege d Seal nit <sup>2</sup> Gel Camer	eliver	RODUCT	3/25.00 5.25 1.75 2.97 .56 .27 .23.70 15.86 .41.10	TOTAL 3/254 /3/254 /3/25 86/.87 19602 4902 4902 492.21 4147.5 4202.90 82.20
ACCOUNT CODE S40/C S40C S40C S407A 1/07 1/10A 1/10A 1/18B 1/2C 1/3/	QUANITY /9. /9. /9. /82 /82 /7. 2.45	25 7 Tons 6 # 75 # 23 # 55 \$ # 5 \$ # 5 \$ # 5 \$ # 5 \$ # 5 \$ # 5	PUMP CHARC MILEAGE Floss Floss Benton OWC	3E Vege d Seal nit <sup>2</sup> Gel Camer	eliver	RODUCT	3/75.00 5.25 1.75 2.97 .56 .27 .23.70 15.86 .41.10 .0	TOTAL 3/25 13/25 86/.87 19602 490.00 490.00 492.21 4147.5 4202.90 82.20 2000,00
ACCOUNT CODE S40/C S40C S407A 1/07 1/0A 1/07 1/0A 1/28 1/26 1/21 1/20 1/20 1/20 1/20 1/20 1/20 1/20	QUANITY /9. /9. /9. /82 /82 /7. 2.45	25 7 Tons 6 # 75 # 75 # 75 # 75 # 55 # 5 \$ # 5 \$ # 5 # 5	PUMP CHARC MILEAGE Ton M Floss Usls Benton OWC COS/440 MCL Mud P	3E Vege d Seal nit <sup>2</sup> Gel Camer	eliver	RODUCT	3/25.00 5.25 1.75 2.97 .56 .27 .23.70 15.86 .41.10	TOTAL 3/75 13/25 861.87 19602 490.00 490.00 492.21 4147.5 4202.90 82.20 1000,00 550,00
ACCOUNT CODE S40/C S40C S40C S40C I/O7 I//0A I//0A I//8B I/2C I/2C I/2A I/2A I/4/G 4/03	QUANITY /9. /9. /9. /82 /82 /7. 2.45	25 7 Tons 6 # 75 # 23 # 55 \$ # 5 \$ # 5 \$ # 5 \$ # 5 \$ # 5 \$ # 5	PUMP CHARC MILEAGE Ton M Flos Los Benton OWC COS/40 MCL Mud H 41/21 B	SE <i>APage M</i> <i>eal</i> <i>Seal</i> <i>Came</i> <i>Doce Ca</i> <i>Jush</i> <i>ashels</i>	elivery nt ment	RODUCT	3/25.00 5.25 1.75 2.97 .56 .27 23.70 15.86 41.10 1.00 2.75,00 48.50	TOTAL 3/25 13/25 86/87 19602 490.00 490.00 492.21 4147.5 4202.90 82.20 100,00 550.0 194.00
ACCOUNT CODE SYDC SYDC SYDTA 1/07 1/10A 1/27 1/10A 1/28 1/26 1/24 1/29	QUANITY /9. /9. /9. /82 /82 /7. 2.45	2.5 7 Tons 6 # 75 # 23 # 55 Ks 5 Ks 2ga/ 200 ga/ 2	PUMP CHARC MILEAGE Ton M Flos Los Benton OWC COS/40 MCL Mud H 41/21 B	BE APage A eal Seal Auto Gal Come Apo & Come Apo & Come Auto A Seal Auto A Seal Auto A Seal Auto A Auto Auto Auto Auto A Auto Auto Auto Auto Auto Auto Auto Au	eliver at ment.	RODUCT	3/25.00 5.25 1.75 2.97 .56 .27 23.70 15.86 41.10 1.00 2.75,00 48.50	TOTAL 3/25 13/25 86/87 19602 490.00 490.00 492.21 4147.5 4202.90 82.20 100,00 550.0 194.00
ACCOUNT CODE StofC StofC StofC StofC StofC I/07	QUANITY /9. /9. /9. /82 /82 /7. 2.45	25 7 Tons 6 # 75 # 23 # 55 5/15 5 / 15 2ga/ 200 ga/ 2 4	PUMP CHARC MILEAGE Ton M Floss Usls Benton OWC COS/411 MCL ML 415"B 415"C 415"C 415"C 415"C 415"C 415"C 415"C	BE Altage d eal it gel Come Ipo & Cer Ipo & Cer Ipo & Cer Ino trolize chu lizer	elivery t ment.		3/25.00 5.25 1.75 2.97 .56 .27 .23.70 .23.70 .23.70 .23.70 .23.70 .23.70 .275.00 .41.10 	TOTAL 3/25 13/25 86/.87 19602 490.00 490.00 490.00 492.20 194.00 550.0 194.00 240.00 3680.00
ACCOUNT CODE StofC	QUANITY /9. /9. /9. /82 /82 /7. 2.45	25 7 Tons 6 # 75 # 23 # 55 5/15 5 / 15 2ga/ 200 ga/ 2 4	PUMP CHARC MILEAGE Ton M Flos Los Broto OWC COS/44 MCL MUS 4/2"B 4/2"B 4/2"C 4/2"To. 4/2 To. 4/2 To.	SE Page d eal Seal Came Losh Sush ashels in tralize roy lizer tage Pac	eliver at ment.		3/25.00 So25 1.75 2.97 .56 .27 23.70 15.86 41.10 .0 .0 .0 .0 .0 .0 .0 .0 .0	TOTAL 3/25 13/25 86/.87 19602 490.00 490.00 490.00 492.20 194.00 550.0 194.00 240.00 3680.00
ACCOUNT CODE StofC StofC StofC StofC StofC StofC StofC StofC I/07 I/07 I/07 I/07 I/07 I/07 I/07 I/07	QUANITY /9. /9. /9. /82 /82 /7. 2.45	25 7 Tons 6 # 75 # 23 # 55 5/15 5 / 15 2ga/ 200 ga/ 2 4	PUMP CHARC MILEAGE TON MI Floss Usls Benton OWC OWC MCL MU Y'S' Y'S Y'S Y'S Y'S Y'S Y'S Y'	BE	t ment s Hershoe		3/25.00 So25 1.75 2.97 .56 i27 23.70 15.86 41.10 1.0 275,0 48.50 1.0,0 1.0,0 .366,0 .366,0 .4200.0	TOTAL 3/754 /3/25 86/87 19602 490.00 490.00 492.21 4/92.21 4/92.21 4/92.21 4/92.20 192.00 82.20 192.00 550.00 192.00 240.00 3680.00 4200
ACCOUNT CODE StofC	QUANITY /9. /9. /9. /82 /82 /7. 2.45	25 7 Tons 6 # 75 # 23 # 55 5/15 5 / 15 2ga/ 200 ga/ 2 4	PUMP CHARC MILEAGE TON MI Floss Usls Benton OWC OWC MCL MU Y'S' Y'S Y'S Y'S Y'S Y'S Y'S Y'	SE Page d eal Seal Came Losh Sush ashels in tralize roy lizer tage Pac	t ment s Hershoe		3/25.00 5.25 1.75 2.97 .56 i27 23.70 15.86 41.10 1.0 275,00 48.50 1.0 .275,00 48.50 1.0 .200.0 .401.0 .401.0 .400.0 .401.0 .400.0	TOTAL 3/754 13/25 86/87 19602 490.00 490.00 492.21 4147.4 4202.90 82.20 100,00 550,00 194,00 240,00 3680,00 4200
ACCOUNT CODE StofC StofC StofC StofC StofC StofC StofC StofC I/07 I/07 I/07 I/07 I/07 I/07 I/07 I/07	QUANITY /9. /9. /9. /82 /82 /7. 2.45	2 S 7 Tons 6 # 75 # 75 # 75 # 75 # 75 # 5 Shs 2ga/ 2ga/ 400 ga/ 2 4 -4 1 1	PUMP CHARC MILEAGE Ton M. Flos Los Benton OWC COS/40 MCL MUS 4/2"B 4/2"B 4/2"C 4/2"C 4/2"C 4/2"C 4/2"C	SE APage A eal Seal Camer Apos Ca Apos Ca	elivery At ment S Hersbore Nug W		3/25.00 So25 1.75 2.97 .56 .2.97 .56 .27 .23.70 .56 .47 .60 .0 .48.50 .48.50 .48.50 .42.00.00 .42.00	TOTAL 3/750 13/25 861.87 19602 490.00 490.00 490.00 490.00 490.00 194.00 240.00 3680.00 420.00 420.00 240.000 240.000 240.000 240.000 240.000 240.0000 240.0000 240.0000 240.0000 240.0000 240.0000 240.0000 240.0000 240.0000 240.0000 240.0000 240.0000 240.00000 240.00000 240.000000 240.00000000000000000000000000000000000
ACCOUNT CODE StofC StofC StofC StofC StofC StofC StofC StofC I/07 I/07 I/07 I/07 I/07 I/07 I/07 I/07	QUANITY /9. /9. /9. /82 /82 /7. 2.45	25 7 Tons 6 # 75 # 23 # 55 5/15 5 / 15 2ga/ 200 ga/ 2 4	PUMP CHARC MILEAGE Ton M. Flos Los Benton OWC COS/40 MCL MUS 4/2"B 4/2"B 4/2"C 4/2"C 4/2"C 4/2"C 4/2"C	SE APage A eal Seal Camer Apos Ca Apos Ca	elivery At ment S Hersbore Nug W		3/25.00 So25 1.75 2.97 .Slo .27 23.70 15.86 41.10 1.0 275,0 48.50 1.0 .4200.0	TOTAL 3/754 13/25 86/87 19602 490.00 490.00 492.21 4147.4 4202.90 82.20 194.00 550.00 194.00 3680.00 940.00 3680.00 940.00 9
ACCOUNT CODE SY0/C SY0/C SY07A I/07 I/07 I/0A I/26 I/26 I/27 I/29 Y25/ Y25/ Y276A	QUANITY /9. /9. /9. /82 /82 /7. 2.45	2.5 7 Tons 6 # 75 # 75 # 75 # 75 5/15 2ga/ 200 ga/ 2 4 -4 -4 1 1 1 1 1055 105	PUMP CHARC MILEAGE Ton M. Flos Los Benton OWC COS/40 MCL MUS 4/2"B 4/2"B 4/2"C 4/2"C 4/2"C 4/2"C 4/2"C	SE APage A eal Seal Camer Apos Ca Apos Ca	elivery At ment S Hersbore Nug W		3/25.00 So25 1.75 2.97 .56 .2.97 .56 .27 .23.70 .56 .47 .60 .0 .48.50 .48.50 .48.50 .42.00.00 .42.00	TOTAL 3/750 13/25 861.87 19602 490.00 490.00 490.00 490.00 490.00 194.00 240.00 3680.00 420.00 420.00 240.000 240.000 240.000 240.000 240.000 240.0000 240.0000 240.0000 240.0000 240.0000 240.0000 240.0000 240.0000 240.0000 240.0000 240.0000 240.0000 240.00000 240.00000 240.000000 240.00000000000000000000000000000000000

AUTHORIZTION AND ATLE DATE DATE DATE

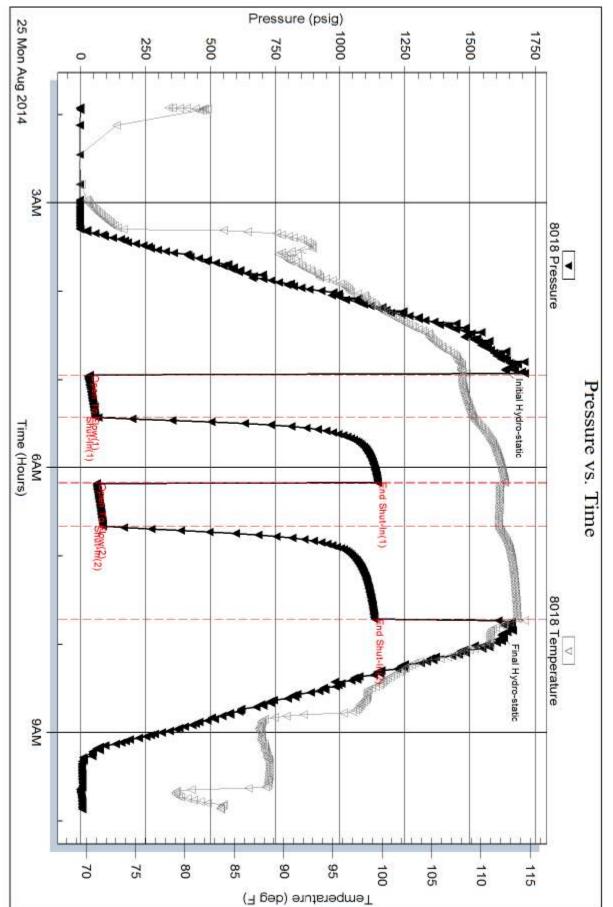
	DRILL STEM TES		ORT				
RILOBITE	O'Brien Resources LLC		4-1	9s-17w	Rush		
ESTING , IN	PO Box 6149		Vo	ndracek	<b>: #4</b>		
	Shreveport,LA 71136-6149		Job	Ticket: 58	847	DST#:	1
	ATTN: Steve Harris, Kurt Ta		Tes	t Start: 20	)14.08.25 (	@ 01:55:15	
GENERAL INFORMATION:	ł						
Formation:LKC "B"Deviated:NoWhipstockTime Tool Opened:04:56:40Time Test Ended:09:52:09	ft (KB)		Tes	ter: I	Convention Ray Schwa 70	al Bottom Ho ager	ole (Initial)
Total Depth: 3550.00 ft (KB)	<b>3550.00 ft (KB) (TVD)</b> TVD) ble Condition: Fair		Ref	erence ⊟e KB t	evations: o GR/CF:		) ft (KB) ) ft (CF) ) ft
Serial #: 8018InsidePress@RunDepth:87.77 psigStart Date:2014.08.24Start Time:01:55:14TEST COMMENT:30-IFP-strg bl	5 End Date: 5 End Time: hru-out	2014.08.25 09:52:09	Capacity Last Calii Time On Time Off	b.: Btm: 2		8000.00 2014.08.25 @ 04:53:10 @ 07:53:40	5
45-ISIP-vy wk 30-FFP-strg bl 45-FSIP-1 1/2" Pressure v	in 1 min bl bk	1	PI	RESSUE	RESUM		
1750	5015 Temperature	Time	Pressure	Temp	Annotat		
		(Min.) 0	(psig) 1634.18	(deg F) 108.01	Initial Hyd	ro-static	
1930		4	37.50	108.13	-		
1230		32	58.02	109.13	· · ·		
₽ 1000		77	1143.60 63.91		End Shut- Open To		
		107	87.77		Shut-In(2		
	75	170 181	1132.87 1619.47	113.69 110.95			
344 84 25 Man Aug 2014 Time (Ho	i 9444 sj						
Recover					s Rates		
Length (ft) Description	Volume (bbl)			Choke (i	nches) Press	sure (psig)	Gas Rate (Mcf/d)
0.00 1270'GIP	0.00						
30.00         GCM 10%G90%M w /s           120.00         MW 20%M80%W	how of oil 0.42 1.68						
	1.00						
Trilobite Testing Inc	Ref No: 58847				2014 08 2		

		DRI	LL STEM TEST REPOR	Т	F	
		O'Brier	Resources LLC	4-19s-17w	Rush	
TRILOBITE		PO Box 6149		Vondrace	k #4	
			port,LA 71136-6149	Job Ticket: 4		DST#:1
WY '	ATTN: Steve Harris,Kurt Ta		Steve Harris,Kurt Ta		2014.08.25 @ 01	
lud and Cushion	 Information					
lud Type: Gel Chem			Cushion Type:		Oil API:	deg API
••	00 lb/gal		Cushion Length:	ft	Water Salinity:	75000 ppm
-	00 sec/qt		Cushion Volume:	bbl	-	
Vater Loss: 8.	73 in³		Gas Cushion Type:			
esistivity:	ohm.m		Gas Cushion Pressure:	psig		
alinity: 6200.	00 ppm					
ilter Cake: 1.	00 inches					
Recovery Informat	ion		Recovery Table			
	Lengt		Description	Volume	7	
	ft			bbl		
		0.00	1270'GIP	0.00	-	
		30.00	GCM 10%G90%M w /show of oil	0.42	-	
	· · · · · ·	120.00	MW 20%M80%W	1.68	3	

Printed: 2014.08.25 @ 11:24:05

Ref. No: 58847

Trilobite Testing, Inc



O'Brien Resources LLC

Serial #: 8018

Inside

Vondracek #4

DST Test Number: 1

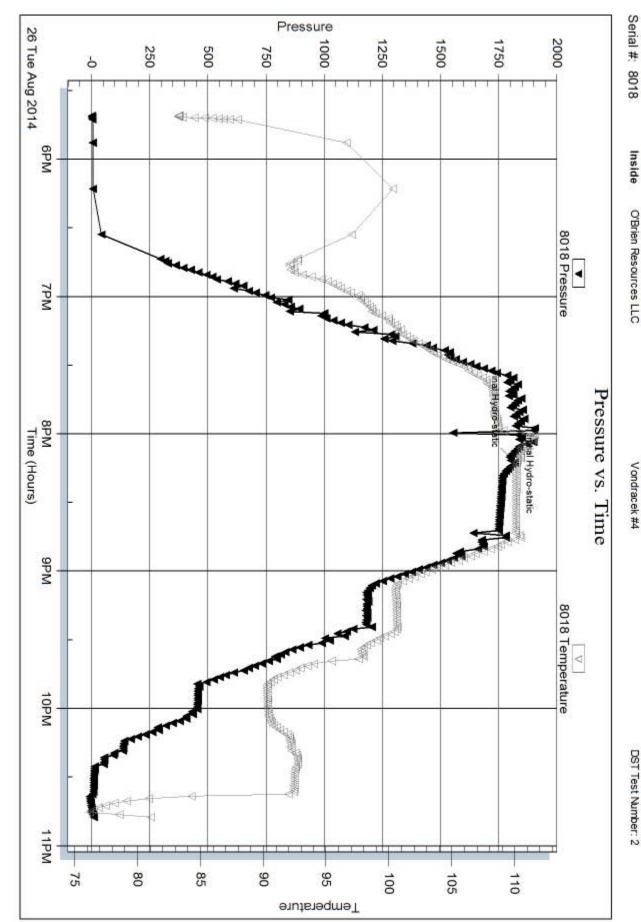
	DRILL STEM TES	T REPO	ORT			
	O'Brien Resources LLC		4-19s-17w	/ Rush		
ESTING , INC	PO Box 6149 Shreveport,LA 71136-6149		Vondrace Job Ticket:		DST#:2	
	ATTN: Steve Harris,Kurt Ta		Test Start:	2014.08.26 @	0 17:40:55	
GENERAL INFORMATION:						
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:19:45:0UTime Test Ended:22:47:1U	ft (KB)		Test Type: Tester: Unit No:	Convention Ray Schwa 70	al Bottom Hol ager	e (Reset)
Interval:3823.00 ft (KB) To38Total Depth:3856.00 ft (KB) (TVHole Diameter:7.85 inchesHole	′D)		Reference I	∃evations: 3 to GR/CF:	2111.00 2102.00 9.00	ft (CF)
Serial #:8018InsidePress@RunDepth:psigStart Date:2014.08.26Start Time:17:40:55	•	2014.08.26 22:47:19	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 2014.08.26 @ 19:56:20 @ 20:09:50	psig
Pressure vs. Ti 509 1720 1720 1720 1720 1720 1720 1720 1720	IDC SUB Temporature 000 000 000 000 000 000 000 0	Time (Min.) 0 14	PRESSU Pressure Temp (psig) (deg F 1823.83 108.6 1797.22 110.4	7 Initial Hydr	on <sup>-</sup> o-static	
500 <b></b>	50 50 51 51 51 51 51 51 51 51 51 51 51 51 51					
Recovery           Length (ft)         Description	Volume (bbl)			e (inches) Press	ure (psig) Ga	s Rate (Mcf/d)
220.00 mud	3.09		I			
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 58848		Printe	d: 2014.08.27	7 @ 07.50.18	

6 U 10 A		DRIL	L STEM TEST	REPOR	Г	F	LUID SU	MMAF
	RILOBITE		O'Brien Resources LLC PO Box 6149 Shreveport,LA 71136-6149			4-19s-17w Rush		
ESTING , INC						<b>ek #4</b> 58848	DST#:2	
<b>1</b>		ATTN: Steve Harris,Kurt Ta				2014.08.26 @ 17	:40:55	
Mud and Cu	ushion Information							
Mud Type: G Mud Weight: Viscosity: Water Loss: Resistivity: Salinity:	9.00 lb/gal 51.00 sec/qt 12.37 in <sup>3</sup> ohm.m 8000.00 ppm		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Press		ft bbl psig	Oil API: Water Salinity:		deg API ppm
Filter Cake:	1.00 inches							
Recovery Ir	normation		Recovery Table					
	Leng	th	Description		Volume bbl	7		
		220.00	mud		3.08	36		
	Total Length:	220.0	00 ft Total Volume:	3.086 bbl				
	Recovery Com	nents:						

Printed: 2014.08.27 @ 07:59:19

Ref. No: 58848

Trilobite Testing, Inc



Inside O'Brien Resources LLC

Vondracek #4

DST Test Number: 2

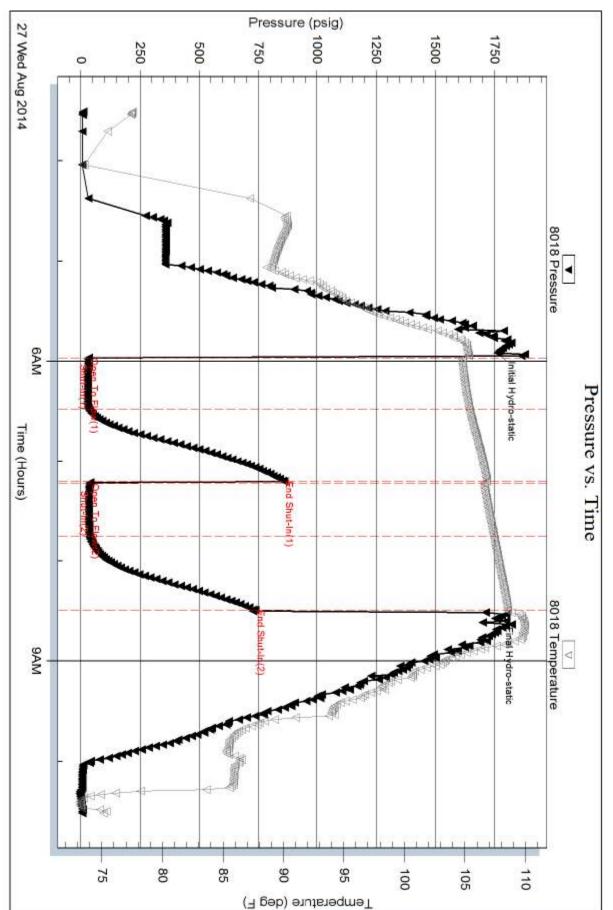
RILOBITE	DRILL STEM TES	T REP	ORT	
	O'Brien Resources LLC		4-19s-17	w Rush
ESTING , INC	PO Box 6149 Shreveport,LA 71136-6149		Vondrac	
			Job Ticket:	
uiteria,	ATTN: Steve Harris,Kurt Ta		Test Start:	2014.08.27 @ 03:30:26
GENERAL INFORMATION:				
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:05:57:51Time Test Ended:10:31:20	ft (KB)		Test Type: Tester: Unit No:	Conventional Bottom Hole (Reset) Ray Schw ager 70
Interval:         3750.00 ft (KB) To         3           Total Depth:         3856.00 ft (KB) (1	VD)			Elevations: 2111.00 ft (KB) 2102.00 ft (CF)
Hole Diameter: 7.85 inches Ho	le Condition: Fair		k	KB to GR/CF: 9.00 ft
Serial #: 8018InsidePress@RunDepth:36.45 psigStart Date:2014.08.27Start Time:03:30:26	<ul> <li>@ 3759.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> </ul>	2014.08.27 10:31:20	Capacity: Last Calib.: Time On Btm: Time Off Btm:	8000.00 psig 2014.08.27 2014.08.27 @ 05:54:51 2014.08.27 @ 08:34:20
45-FSIP-no bl	ru-out , surface to 1/8"bl			
Pressure vs.	Time 3013 Femperature			URE SUMMARY
205 Presure	505 Tempendare 100 100 100 100 100 100 100 10	Time (Min.) 0 3 34 78 79 110 155 160		F)22Initial Hydro-static84Open To Flow (1)37Shut-In(1)82End Shut-In(1)60Open To Flow (2)37Shut-In(2)54End Shut-In(2)
27 Wed Aug 2014				
27 Wei Ag 2014 Or Time Plans				Gas Rates
z welky 2014 Time (Hars Recovery Length (ft) Description				Gas Rates ke (inches) Pressure (psig) Gas Rate (Mcf/d)
ZY Wol Aug 2014 Time (Hans Recovery Length (ft) Description 1.00 CO	Volume (bbl)			
z welky 2014 Time (Hars Recovery Length (ft) Description	Volume (bbl)			1 1
z wed Aug 2014 Time (Hans Recovery Length (ft) Description 1.00 CO	Volume (bbl)			
ZY WeiAkg 2014 Time (Hans Recovery Length (ft) Description 1.00 CO	Volume (bbl)			1
Zz Wed Ag 2014 Time (Hans Recovery Length (ft) Description 1.00 CO	Volume (bbl)			1

100		DRI	LL STEM TEST	REPOR	Г		FLUID SI	JMMARY
	ESTING , INC	O'Brien	O'Brien Resources LLC			4-19s-17w Rush		
			x 6149		Vondrace	k #4		
			eport,LA 71136-6149		Job Ticket: 5	8849	DST#: 3	
New .		ATTN:	Steve Harris,Kurt Ta		Test Start: 2	2014.08.27 @ 0	3:30:26	
Mud and Cu	ushion Information							
	el Chem		Cushion Type:			Oil API:		deg API
Mud Weight:	9.00 lb/gal		Cushion Length:		ft	Water Salinity:		ppm
Viscosity: Water Loss:	51.00 sec/qt 12.35 in³		Cushion Volume: Gas Cushion Type:		bbl			
Resistivity:	ohm.m		Gas Cushion Press		psig			
Salinity:	8000.00 ppm				10			
Filter Cake:	1.00 inches							
Recovery Ir	nformation		Recovery Table					
	Leng	th	Description		Volume	1		
	ft				bbl	_		
		1.00 35.00	CO OCM 10%O90%M		0.014	-1		
	Total Length:		0.00 ft Total Volume:	0.505 bbl	•	4		
	Num Fluid Samp Laboratory Nan Recovery Comr	ne:	Num Gas Bomb Laboratory Loca		Serial #	:		
l								

Printed: 2014.08.27 @ 10:53:38

Ref. No: 58849

Trilobite Testing, Inc



O'Brien Resources LLC

Serial #: 8018

Inside

Vondracek #4

DST Test Number: 3

# GLOBAL CEMENTING, L.L.C.

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					HIG	DE		DKILL PIPE
					PTH	DE	~	TUBING SIZE
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			CEWENL	7 <u>79</u>	CT LEADE	д.Т	1/2	HOLE SIZE 12
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~							CIRCLE ONE)	
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IF PAID IN 30 DAYS

DISCOUNT

TOTAL CHARGES.

# PLUG & FLOAT EQUIPMENT

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DEALER

DEIVER

HELPER

CEMENTER

EQUIPMENT

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and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" do work as is listed. The above work was done to satisfaction furnish comenter and helper(s) to assist owner or contractor to Global Cementing, L.L.C., You are hereby requested to rent cementing equipment and

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STREET -CHARGE TO:

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