

Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1074031

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 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 #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
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? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Location of huid disposal if hadied offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West

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 Approved by: Date:

	Page Two	1074031
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTRUCTIONS. Chause important tang of formations paratrated	atail all aaraa Bapart all final	agnies of drill stome tests giving interval tested, time test

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

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

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No		-	on (Top), Depth a		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	9		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
			RECORD Ne		ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQU	EEZE RECORD			
Purposo:	Denth						

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

No

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

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

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

Shots Per Foot		PERFORATION Specify For	RECOF	RD - Bridge F Each Interval	Plugs Set/Typ Perforated	e	A		ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner Ru	un:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	} .	Producing N		ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bbl	S.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	ON OF C	GAS:			METHOD		TION:	_	PRODUCTION IN	TERVAL:
Vented Sold	l [] l	Used on Lease		Open Hole	Perf.	Dually (Submit)	Comp.	Commingled	·	
(If vented, Sul	bmit ACC	D-18.)		Other (Specify)	(Submit)	,	(Submit ACO-4)		

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

Form	ACO1 - Well Completion
Operator	Woolsey Operating Company, LLC
Well Name	CIRCLE B 1
Doc ID	1074031

Tops

Name	Тор	Datum
CHASE	1774	-344
ONAGA	2597	-1167
ELGIN SD	3461	-2031
HEEBNER	3586	-2156
DOUGLAS	3617	-2187
SWOPE LS	4313	-2883
MISSISSIPPIAN	4581	-3151
VIOLA	4900	-3470
SIMPSON	5007	-3600

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



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

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner Sam Brownback, Governor

February 14, 2012

DEAN PATTISSON Woolsey Operating Company, LLC 125 N MARKET STE 1000 WICHITA, KS 67202-1729

Re: ACO1 API 15-007-23776-00-00 CIRCLE B 1 SW/4 Sec.33-33S-10W Barber 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, DEAN PATTISSON

ALLIED CEMENTING CO., LLC. 037818

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REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665	SERVICE POINT: MedicinelogelS
DATE 10-18-11 SEC. TWP. RANGE C	ALLED OUT ON LOCATION JOB START JOB FINISH $ZOOPM$
	4 Gentone Red I w 1/4 N Banken LS
OLD OR NEW (Circle one)	, 4 Dentane reg I w 1/2 N Douber Los
CONTRACTOR H-2#3	OWNER Woolsey
TYPE OF JOBS unface	000000
HOLE SIZE (43/4 T.D. 22.5-	CEMENT 2410 Calle and
CASING SIZE 1014 DEPTH 2034 72' 8 76 TUBING SIZE DEPTH	AMOUNT ORDERED <u>240sx class A + 2% gelt</u> 3% cc
DRILL PIPE DEPTH	270ec
TOOL DEPTH	
PRES. MAX 250 [#] MINIMUM —	COMMON 240 Sacks A @ 16.25 \$3900 00
MEAS. LINE SHOE JOINT MA	POZMIX@ GEL@
PERFS.	CHLORIDE 9 socks @ 58.20 523.80
DISPLACEMENT 1914 B6/s Fresh H3	ASC@
EQUIPMENT	@@
,	@
PUMPTRUCK CEMENTER D-FdG	@ @
#360-265 HELPER J. Thimesch	@
BULK TRUCK #364 DRIVERA, Miller	@
BULK TRUCK	@
# DRIVER	ee HANDLING_254@ ک.25\$571.50
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
REMARKS:	TOTAL 5520.15
Pipeon BHM, Beeckline, W. Mix 24	
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5× A-342 coment = 57 Bbli Shinny, Start Disp. Fresht D, Washy truck, Spe Starty incurate in 1 Slow Rate at 15 Bbls Disp., Stop Pump at 19,	SERVICE A DEPTH OF JOB
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52 A-302 coment = 57 Bble Swary, Start Disp. Freshtt D, Washup Heuck, Spe Stady veneres in t Slow Cate at 15 Bble Disp., Stop Pump at 19, Bbls total Dispherement, short in w/ PSI	SERVICE SERVICE SERVICE SERVICE SIL25,00 SIL25,00 EXTRA FOOTAGE @ MILEAGE 30 @ 37.00 \$210.00
52 A-342 coment = 57 Bbli Strong, Stant Disp. Freshtt D, Washup Houck, See Strong inchase in 1 Slow Rate at 15 Bbls Disp., Stop Pump at 19, Bbls total Displacement, short in w/ PSI	SERVICE 4 DEPTH OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE MANIFOLD MA @
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ALLIED CEMENTING CO., LLC. 037751

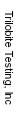
Federal Tax I.D.# 20-5975804 REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665 SERVICE POINT: med losseles RANGE CALLED OUT SEC. TWP. 335 ON LOCATION JOB FINISH JOB START DATE 10-28-11 100 3:0000 4:00 am COUNTY Backer STATE LOCATION Triz Hy Rd of Gerlene I west WELL # B-1 LEASE CICCLE OLD OR NEW (Circle one) 12 Nocth E poto CONTRACTOR H-2 Rrg #3 OWNER Woold TYPE OF JOB production <u>т.д. 545</u> DEPTH 50341 HOLE SIZE 718 CEMENT CASING SIZE 5/2 AMOUNT ORDERED <u>755×60;40;41.901</u> 150××class H + 101.64,0001 + 101.6014 + 6ªKalson + ,81.F1-160+ H4# Flacol TUBING SIZE DEPTH DRILL PIPE DEPTH TOOL DEPTH 45 sx PRES. MAX 1460,05) 731.25 MINIMUM $COMMON_A$ @16.25 30 SX 255.00 MEAS. LINE SHOE JOINT 44 POZMIX @8.50 CEMENT LEFT IN CSG. 44' 63.75 GEL .3 @21.25 .58 PERFS. CHLORIDE @ DISPLACEMENT/201/2 66/5 21/461 ASC @ 2887.50 @ /9.25 150 5X EQUIPMENT <u>14 sx</u> @34.20 478.80 GYASEA (192.00 Sáit-5X @12.00 16 PUMP TRUCK CEMENTER Mett Thenese @ -89 Kolseal 900 801.00 # 369/265 HELPER Jason 77 F1-160 112.80 @ 17.20 1940.16 BULK TRUCK - 160 37.5 = @2.70 101.25 # 363/2.90 DRIVER Edde Moa Clapro @<u>31-</u>25 12 Gals 375.00 BULK TRUCK @ DRIVER 630.00 HANDLING @<u>Z.2</u>S 462.00 MILEAGE 28 **REMARKS:** TOTAL 89/7.71 Brk are pump hall through MIX 255x for porthole SERVICE MTX SOSK for scarces MIX 150 SX Cenest Shotdow DEPTH OF JOB 5034 +1mes Releaseduce PUMP TRUCK CHARGE 2495.00 8.5 bbls out ABPINTH 2% KCL 14 at EXTRA FOOTAGE @ plug 1201/2 6/ 250. buno 210.00 @ 7.00 800 psi to 1400,000, plug he be. MANIFOLD Head Rental @ 200-00 @ 4.00 Sight Uchicle 30 120.00 ര CHARGE TO: Woole Operate TOTAL 2825.00 STREET CITY ZIP_ 51/2 **PLUG & FLOAT EQUIPMENT** Correspondence Regulatory Workovers Drig / Comp NOV 17 2019 1- Float Shae Operations @ 349.00 Tests / Meters 1- Lotch downplay Assy @ 277.00 40- scratcher @*76.0*0 3040.00 To Allied Cementing Co., LLC. 10 techolizers @ 30.00 800.00 You are hereby requested to rent cementing equipment @ and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was TOTAL 4466.00 done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL SALES TAX (If Any). TERMS AND CONDITIONS" listed on the reverse side. 16,208.71 TOTAL CHARGES PRINTED NAME DONg/d Boyd 20 DISCOUNT __ IF PAID IN 30 DAYS 12,966.96 SIGNATURE Donal Bard NET

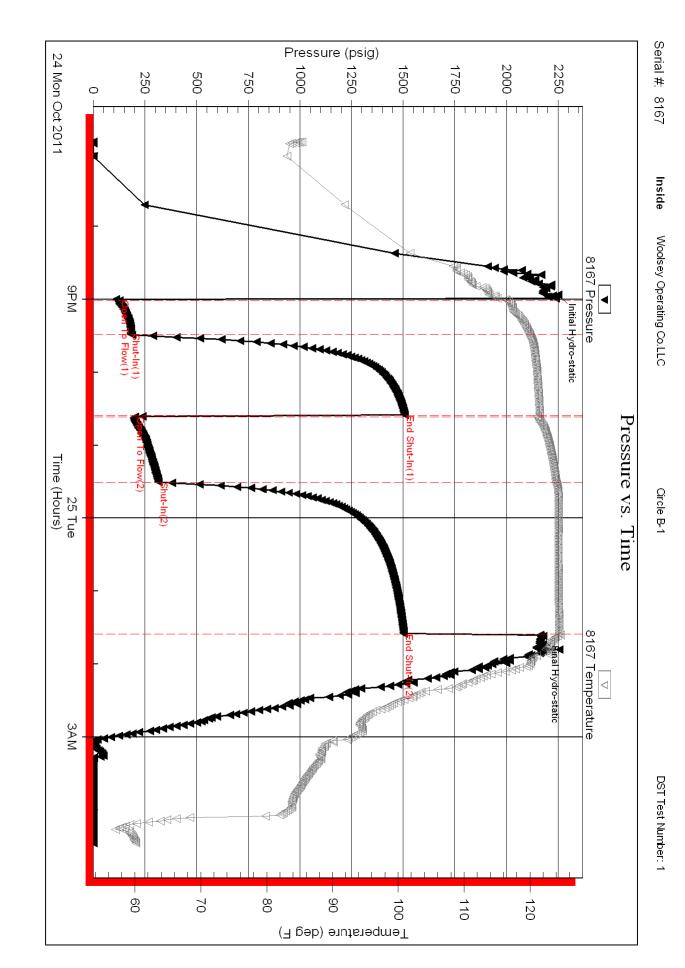
RILOBITE	Woolsey Oper	rating Coll C		22	220 104	Barber k	(c	
TESTING,	INC	-				Darberr	13	
	125 N.Market Wichita Ks.67				cle B-1			
	Wiofilia (0.07)	202		Job	Ticket: 44	1013	DST#:1	l
	ATTN: Scott	Alberg		Tes	t Start: 20)11.10.24 @	2 18:50:19	
GENERAL INFORMATION:								
ormation: Miss. Neviated: No Whipsto ime Tool Opened: 21:00:49 ime Test Ended: 04:27:04	ock: ft (K	<b)< td=""><td></td><td>Tes</td><td>ter: (</td><td>Conventiona Gary Pevote 56</td><td>al Bottom Ho eaux</td><td>le (Initial)</td></b)<>		Tes	ter: (Conventiona Gary Pevote 56	al Bottom Ho eaux	le (Initial)
otal Depth: 4636.00 ft (KE	4636.00 ft (KB) (T B) (TVD) Is Hole Condition: Poo	-		Ref	erence Ele KB t	evations: o GR/CF:	1430.00 1421.00 9.00	ft (CF)
Serial #: 8167 Inside								
ress@RunDepth: 315.08 p	osig @ 4583.00 t	ft (KB)		Capacity	:		8000.00	psig
Start Date: 2011.10	-		2011.10.25	Last Cali	b.:		2011.10.25	
Start Time: 18:50):24 End Time	э:	04:27:04	Time On Time Off			@ 20:56:04 @ 01:37:34	
	ow . B.O.B. in 3 1/2 m ow . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B.							
ISI:Weak blo FF:Strong b FSI:Strong I Pressu	ow . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B. 			PI	RESSUR	RESUMM	ARY	
ISI:Weak blo FF:Strong b FSI:Strong Pressue 2007 Pressue	ow . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B.		Time	Pressure	Temp	RE SUMM		
ISI:Weak bld FF:Strong b FSI:Strong l Pressu 2270	ow . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B. 		(Min.)	Pressure (psig)	Temp (deg F)	Annotatio	on	
ISI:Weak bld FF:Strong b FSI:Strong b Pressu 2000	ow . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B. 	e 	-	Pressure	Temp	Annotatic	on o-static	
ISI:Weak blo FF:Strong b FSI:Strong l Pressu 2270	ow . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B. 		(Min.) 0	Pressure (psig) 2250.04	Temp (deg F) 113.78 116.46 119.92	Annotatic Initial Hydro Open To F Shut-In(1)	on o-static low (1)	
ISI:Weak bld FF:Strong b FSI:Strong b Pressu 2000	bw . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B. re vs. Time evs. Time evs. Time	• 120	(Min.) 0 5 33 100	Pressure (psig) 2250.04 128.14 181.77 1508.79	Temp (deg F) 113.78 116.46 119.92 121.49	Annotatic Initial Hydro Open To F Shut-In(1) End Shut-I	o-static low (1) n(1)	
ISI:Weak bld FF:Strong b FSI:Strong b Pressu 2000 2000 1720	bw . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B. re vs. Time evs. Time evs. Time	• 	(Min.) 0 5 33 100	Pressure (psig) 2250.04 128.14 181.77 1508.79 202.30	Temp (deg F) 113.78 116.46 119.92 121.49 121.15	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-Il Open To F	o-static low (1) n(1)	
ISI:Weak bld FF:Strong b FSI:Strong b 987/Pressue 200 1700	bw . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B. re vs. Time evs. Time evs. Time	• 	(Min.) 0 5 33 100	Pressure (psig) 2250.04 128.14 181.77 1508.79	Temp (deg F) 113.78 116.46 119.92 121.49	Annotation Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2)	o-static low (1) n(1) low (2)	
ISI:Weak bld FF: Strong b FSI:Strong b 200 200 200 200 200 200 200 200 200 20	bw . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B. re vs. Time evs. Time evs. Time		(Min.) 0 5 33 100	Pressure (psig) 2250.04 128.14 181.77 1508.79 202.30 315.08	Temp (deg F) 113.78 116.46 119.92 121.49 121.15 123.96	Annotation Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2)	o-static low (1) n(1) low (2) n(2)	
ISI:Weak bld FF:Strong b FSI:Strong b	bw . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B. re vs. Time 907 Temperature 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		(Min.) 0 5 33 100 101 155 280	Pressure (psig) 2250.04 128.14 181.77 1508.79 202.30 315.08 1503.63	Temp (deg F) 113.78 116.46 119.92 121.49 121.15 123.96 124.43	Annotatic Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In	o-static low (1) n(1) low (2) n(2)	
ISI:Weak bld FF:Strong b FSI:Strong b	bw . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B. re vs. Time		(Min.) 0 5 33 100 101 155 280	Pressure (psig) 2250.04 128.14 181.77 1508.79 202.30 315.08 1503.63	Temp (deg F) 113.78 116.46 119.92 121.49 121.15 123.96 124.43 123.91	Annotatic Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In	o-static low (1) n(1) low (2) n(2)	
ISI: Weak bld FF: Strong b Presure 100 100 100 100 100 100 100 100 100 10	bw . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B. re vs. Time 9007 Temperature 9007 Temperature 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		(Min.) 0 5 33 100 101 155 280	Pressure (psig) 2250.04 128.14 181.77 1508.79 202.30 315.08 1503.63	Temp (deg F) 113.78 116.46 119.92 121.49 121.15 123.96 124.43 123.91	Annotatic Open To F Shut-In(1) End Shut-II Open To F Shut-In(2) End Shut-II Final Hydro	o-static low (1) n(1) low (2) n(2) o-static	as Rate (Mcf/d)
ISI:Weak bld FF: Strong b FSI:Strong b Pressure 1000 1000 1000 1000 1000 1000 1000 10	bow . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B. re vs. Time		(Min.) 0 5 33 100 101 155 280	Pressure (psig) 2250.04 128.14 181.77 1508.79 202.30 315.08 1503.63	Temp (deg F) 113.78 116.46 119.92 121.49 121.15 123.96 124.43 123.91	Annotatic Open To F Shut-In(1) End Shut-II Open To F Shut-In(2) End Shut-II Final Hydro	o-static low (1) n(1) low (2) n(2) o-static	as Rate (Mcf/d)
ISI: Weak bld FF: Strong b FSI: Strong b Pressure CO CO CO CO CO CO CO CO CO CO CO CO CO	bw . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B. re vs. Time 907 Temperature 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	• - 120 - 120 - 120 - 100 - 00 - 00	(Min.) 0 5 33 100 101 155 280	Pressure (psig) 2250.04 128.14 181.77 1508.79 202.30 315.08 1503.63	Temp (deg F) 113.78 116.46 119.92 121.49 121.15 123.96 124.43 123.91	Annotatic Open To F Shut-In(1) End Shut-II Open To F Shut-In(2) End Shut-II Final Hydro	o-static low (1) n(1) low (2) n(2) o-static	as Rate (Mcf/d)
ISI:Weak bld FF:Strong b FSI:Strong b Pressure p	bw . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B. re vs. Time	- - - - - - - - - - - - - - - - - - -	(Min.) 0 5 33 100 101 155 280	Pressure (psig) 2250.04 128.14 181.77 1508.79 202.30 315.08 1503.63	Temp (deg F) 113.78 116.46 119.92 121.49 121.15 123.96 124.43 123.91	Annotatic Open To F Shut-In(1) End Shut-II Open To F Shut-In(2) End Shut-II Final Hydro	o-static low (1) n(1) low (2) n(2) o-static	as Rate (Mcf/d)
ISI:Weak bld FF: Strong b FSI:Strong b Pressure 100 Pressure 100 Pr	bw . 3 - 5". blow . B.O.B. in 3 mins. blow . B.O.B. re vs. Time	Volume (bbl) 2.37 0.00	(Min.) 0 5 33 100 101 155 280	Pressure (psig) 2250.04 128.14 181.77 1508.79 202.30 315.08 1503.63	Temp (deg F) 113.78 116.46 119.92 121.49 121.15 123.96 124.43 123.91	Annotatic Open To F Shut-In(1) End Shut-II Open To F Shut-In(2) End Shut-II Final Hydro	o-static low (1) n(1) low (2) n(2) o-static	as Rate (Mcf/d)

	NILUDITE	Wools	ey Operating Co.LLC	33-335-10	w Barber Ks	
	RILOBITE ESTING , II	ic				
	Lorma,"		Market ,Ste.1000	Circle B-1		
		VVICTIL	a Ks.67202	Job Ticket: 4	14013	DST#:1
		ATTN:	Scott Alberg	Test Start: 2	2011.10.24 @ 18	:50:19
lud and Cus	hion Informatio	n				
/ud Type: Gel	Chem		Cushion Type:		Oil A PI:	deg API
/ud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	104000 ppm
'iscosity:	45.00 sec/qt		Cushion Volume:	bbl		
Vater Loss:	9.18 in ³		Gas Cushion Type:			
esistivity:	0.00 ohm.m		Gas Cushion Pressure:	psig		
alinity: ilter Cake:	4000.00 ppm 0.20 inches					
ecovery Info						
			Recovery Table			
	Le	ength ft	Description	Volume bbl		
		370.00	MW /w o specs 8%m 82%w	2.360	6	
		0.00	Rw .097 ohms@55deg	0.000		
		405.00	OCWM 3%o 45%w 52%m	1.75	3	
		125.00	00/////3/00/43/0W/32/011	1.100		
		125.00	OCWM 3%o 27%w 70%m	2.174	4	
	Total Length	155.00 0.00	OCWM 3%o 27%w 70%m	2.174 0.000		
		155.00 0.00 : 650	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb	2.174 0.000		
	Total Length Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location:	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	
	Num Fluid Sa Laboratory I	155.00 0.00 : 650 amples: 0 Vame: pomments: SI	OCWM 3%o 27%w 70%m 3050 ft.of GIP 0.00 ft Total Volume: 6.293 bb Num Gas Bombs: 0 Laboratory Location: id tool 10 ft to btm	2.174 0.000	D	

Printed: 2011.10.25 @ 08:39:03

Ref. No: 44013





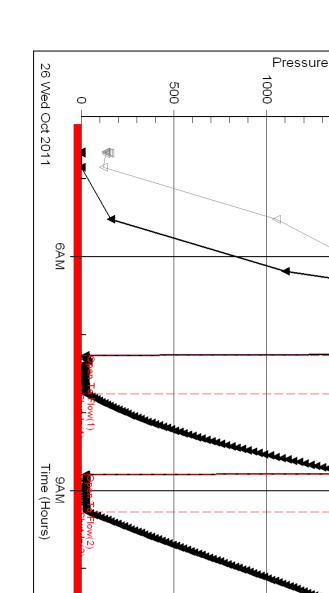
RILOBITE ESTING, INC ESTING, INC ENERAL INFORMATION: ormation: Viola eviated: No Whipstock: ime Tool Opened: 07:15:33 ime Test Ended: 13:39:33 otal Depth: 4916.00 ft (KB) To 493 otal Depth: 4934.00 ft (KB) (TV olde Diameter: 7.88 inchesHole ererial #: 8167 Inside ress@RunDepth: 28.12 psig 04:39:08	D) Condition: Poor		Circle Job Tick Test Sta Test Typ Tester: Unit No:	et: 44014 rt: 2011.10 pe: Conve	DST 0.26 @ 04:39:03 entional Bottom Pevoteaux ns: 1430. 1421.	3
GENERAL INFORMATION: ormation: Viola eviated: No Whipstock: ime Tool Opened: 07:15:33 ime Test Ended: 13:39:33 tterval: 4916.00 ft (KB) To 493 otal Depth: 4934.00 ft (KB) (TV ole Diameter: 7.88 inchesHole Gerial #: 8167 Inside ress@RunDepth: 28.12 psig @ tart Date: 2011.10.26 tart Time: 04:39:08	Wichita Ks.67202 ATTN: Scott Alberg ft (KB) 34.00 ft (KB) (TVD) D) Condition: Poor @ 4917.00 ft (KB) End Date:		Job Tick Test Sta Test Typ Tester: Unit No:	et: 44014 rt: 2011.10 pe: Conve Gary 56 ce Elevation	0.26 @ 04:39:03 entional Bottom Pevoteaux ns: 1430. 1421.	3 Hole (Reset) 00 ft (KB) 00 ft (CF)
ormation: Viola eviated: No Whipstock: ime Tool Opened: 07:15:33 ime Test Ended: 13:39:33 hterval: 4916.00 ft (KB) To 493 otal Depth: 4934.00 ft (KB) (TV ole Diameter: 7.88 inchesHole ferial #: 8167 Inside ress@RunDepth: 28.12 psig @ tart Date: 2011.10.26 tart Time: 04:39:08	ft (KB) 34.00 ft (KB) (TVD) D) Condition: Poor @ 4917.00 ft (KB) End Date:		Test Sta Test Typ Tester: Unit No:	rt: 2011.10 be: Conve Gary 56 ce Elevation	0.26 @ 04:39:03 entional Bottom Pevoteaux ns: 1430. 1421.	3 Hole (Reset) 00 ft (KB) 00 ft (CF)
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ress@RunDepth: 28.12 psig @ tart Date: 2011.10.26 tart Time: 04:39:08	End Date:					00 11
EST COMMENT: IF:Weak to fair blo ISI:No blow . FF:Strong blow . FSI:No blow .		2011.10.26 13:39:33	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000. 2011.10. 10.26 @ 07:14: 10.26 @ 11:22:	33
Pressure vs. Tit	me		DDEC		UMMARY	
em em trace References Refer	BHO TEMPERATURE 120 120 120 100 100 100 100 100	Time (Min.) 0 1 31 93 93 123 247 248	Pressure (psig) Te (de 2439.90 2439.90 11 23.01 11 23.72 11 1436.89 12 21.33 12 28.12 12 1738.93 12	An ag F) An 7.28 Initia 6.71 Ope 8.67 Shuri 21.43 End 21.43 Shuri 21.98 Shuri 25.19 End	notation al Hydro-static en To Flow (1) t-ln(1)	
Recovery				Gas Ra	ites	
Length (ft) Description	Volume (bbl)		(Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
35.00 GOCM 10%g 10%o 80%m 0.00 1015 ft.of GIP	n 0.17 0.00					
Recovery from multiple tests						

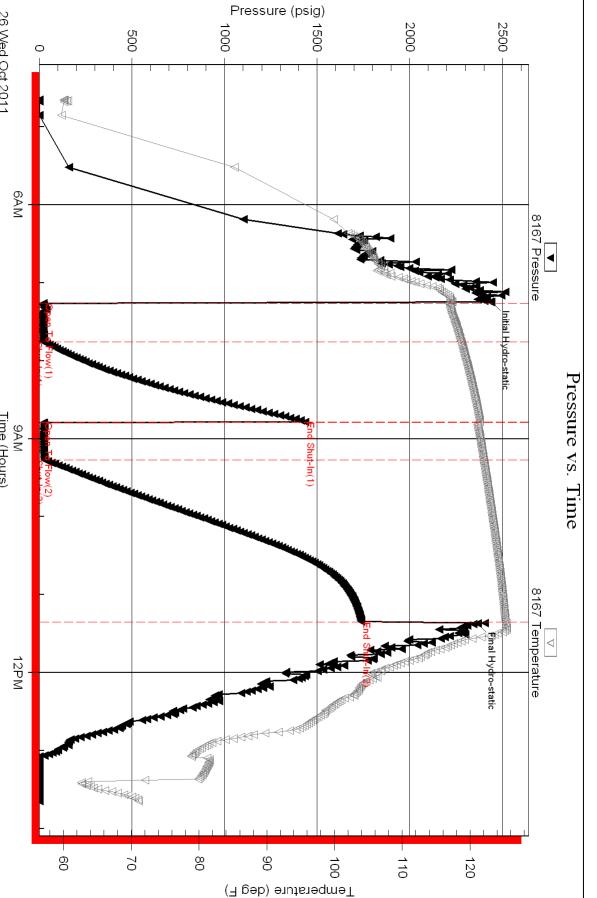
	סודב	DRIL	L STEM TEST	REPORT			FLUID SUMMAR
		Woolsey	Operating Co.LLC		33-33s-10w	Barber Ks	6
ES I	BITE TING , INC.	125 N.Ma	rket ,Ste.1000		Circle B-1		
		Wichita K			Job Ticket: 44	4014	DST#:2
		ATTN: S	cott Alberg		Test Start: 20	011.10.26 @ 0	4:39:03
Mud and Cushion In	formation						
Mud Type: Gel Chem			Cushion Type:			Oil A PI:	deg API
	lb/gal		Cushion Length:			Water Salinity:	10300 ppm
	sec/qt		Cushion Volume:		bbl		
Water Loss: 9.59 Resistivity: 0.00	in ³ ohm.m		Gas Cushion Type: Gas Cushion Pressu	ro:	nsia		
Salinity: 10300.00			Gas Cushion Flessu	ie.	psig		
Recovery Informatio	n						
	r	I	Recovery Table			1	
	Length ft	n	Description		Volume bbl		
		35.00 G	OCM 10%g 10%o 80%m		0.172		
		0.00 1	015 ft.of GIP		0.000		
Т	otal Length:	35.00) ft Total Volume:	0.172 bbl			
	ecovery Comm						

Printed: 2011.10.26 @ 15:26:13

Ref. No: 44014

Trilobite Testing, Inc





Circle B-1

DST Test Number: 2

Inside Woolsey Operating Co.LLC

	Woolsey Operating Company, LLC Scale 1:240 (5"=100') Imperial Measured Depth Log
	CIRCLE B-1
	Approx S2 NW NE SW
	API: 15-007-23776-00-00 Region: Barber County, Kansas
	October 19, 2011 Drilling Completed: , 2011
Surface Coordinates:	2040' FSL & 1650 FWL Section 33-Twp 33 South - Rge 10 West Kochi Field
Bottom Hole Coordinates:	Vertical Hole
Ground Elevation (ft):	1421 K.B. Elevation (ft): 1430
Logged Interval (ft):	3800 To: RTD Total Depth (ft):
	McLish Shale
Type of Drilling Fluid:	Chemical Mud, Displace at 3365'
	Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Woolsey Operating Company,LLC Address: 125 N. Market, Suite 1000 Wichita, KS 67202

GEOLOGIST

Name: W. Scott Alberg Company: Alberg Petroleum, LLC Address: 609 Meadowlark Lane Pratt, Kansas 67124

FORMATION TOPS

LOG TOPS

COMMENTS

Surface Casing: Set 5 joints 10 3/4" at 215' with 240 sxs Class A, 2% gel, 3% cc, plug down at 2:00 pm on October 19, 2011. Cement did Circulate. **Production Casing:** Deviation Surveys: 3/4- 220', 3/4-726', 1/4-1224', 3/4-1695', 3/4-2228', 1/2-2732', 1/4-3232', 3/4-3794', 1/4-3920'. 2-4014', 1 1/4-4109', 3/4 - 4203', 2 1/4 - 4453', 1 3/4 - 4518', 1 1/4 - 4636',

Contractor Bit Record:

1-14 3/4" out at 220'. 2-77/8" out at 4453' 3-77/8" out at 4934'. 4-77/8" out at

SAMPLE TOPS

Gas Detector: Woolsey Operating Company, Trailer #1 Mud System: Mud Co, Brad Bortz, Engineer **DSTs: Trilobite Testing** Logged by Superior Well Services LTD -

DST #1 4582 to 4636' Times 30-60-60-120 1st Opening, Strong Blow, BOB in 3 1/2 minutes. 2nd Opening, Strong Blow, BOB 3 minutes. **Recoverv:** 3050' GIP 155' OCWM(3% Oil, 27% W, 70% M) 125' OCWM(3% Oil, 45% W, 52% M) 370' MW w/ Oil Specks(92% W 8%M) IFP 128-182# FFP 202-315# ISIP 1509# FSIP 1507# IHP 2250# FHP 2166# DST #2 4916 to 4934 Times 30-60-30-120 1st Opening - Weak blow building to 5 1/2 inches 2nd Opening - Fair to Strong blow, BOB in 5 seconds. Recovery: 1015' GIP, 35' GOCM (10% G, 10% O, 80% Mud) IFP 23-24# FFP 21-28# ISIP 1437# FSIP 1740# IHP 2440# FHP 2366#

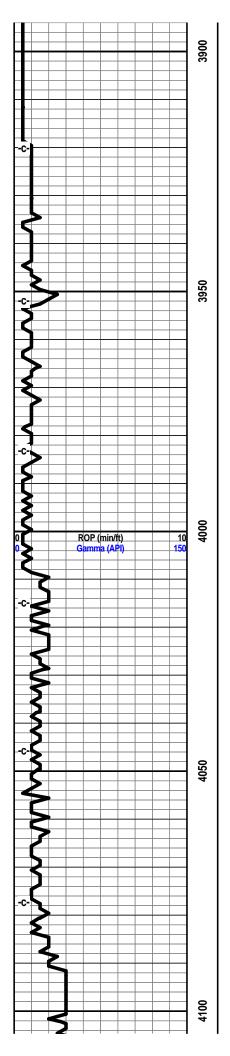
H2 Drilling Rig #3 Tool Pusher - Randy Smith Drillers - Gary Axtell Luis Marquez Cornelio Avalos

	R	OCK TYPES	
Anhy Hat Bent Bent Brec A A A A Cht Clyst Coal	Congl Congl Sdy dolo Shy dolo Dol Gyp Sdy Imst	Lmst TTTT Mrlst Salt Shale Stst Ss	Black sh Gry sh Shale Shysitst Sitysh

CREWS

DSTs

		40050000150		
MINERAL ∅ Anhy □ Arg B Bent □ Bit ☑ Brecfrag □ Calc □ Carb □ Chtdk □ Chtlt □ Dol ● Ferrpel □ Ferr ☑ Glau ℕ Gyp □ Marl ⑨ Nodule ● Phos ▷ Pyr □ Salt □ Sandy □ Silt	■ Dol □ San ■ Sity FOSSIL @ Alga ■ Am ■ Bela Bio ● Bra	Image: Second symbol Image: Second symbol Image: Secon	Grysh Gryslt Lms Sandylms Sandylms Sh Sltstn TEXTURE S Boundst Chalky S Cryxln E Earthy S Finexln S Grainst Lithogr Microxln MS Mudst S Packst W S Wackest	
Curve Track 1 ROP (min/ft) Gamma (API)	Litholog Debty	Geological Descriptions	TG, C1-C5 TG (units) C1 (units) C2 (units) C3 (units) C4 (units) C5 (units)	
0. Camma (API) 10 0. Camma (API) 150 0. Camm	3850 38	Daily Drilling Progress October 18, 2011 MIRT October 19, 2011 Spud October 20, 2011 910' @ 7:00 am October 21, 2011 2354' @ 7:00 am October 22, 2011 3370' @ 7:00 am October 23, 2011 4140' @ 7:00 am October 24, 2011 4487' @ 7:00 am October 25, 2011 4636' @ 7:00 am October 26, 2011 4934' @ 7:00 am	0 TG Image: Im	



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