Confidentiality Requested: Yes No

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

1140162

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:	S. R East West
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:, (e.gxxx.xxxxx) (e.gxxx.xxxxxx)
Name:	
Wellsite Geologist:	-
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
Gas D&A ENHR SIGW	Elevation: Ground: Kelly Bushing:
□ OG □ GSW □ Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
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	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Produce	(Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	<ul> <li>Location of fluid disposal if hauled offsite:</li> </ul>
ENHR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	- QuarterSecTwpS. 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 Iwo	11401		
Operator Nar	ne:			Lease Name:		_ Well #:	
Sec	Twp	_S. 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 Shi	aata)	Yes No	L	.og Formatic	on (Top), Depth an	d Datum	Sample
Samples Sent to Geolog	,	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-o	RECORD Ne		on, 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 / SQL	JEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives	
Protect Casing Plug Back TD							
Plug Off Zone							
Did you perform a hydraulic	fracturing treatment of	on this well?		Yes	No (If No, ski	o questions 2 an	d 3)
Does the volume of the tota	I base fluid of the hyd	Iraulic fracturing treatment ex	ceed 350,000 gallons	? Yes	No (If No, ski	o question 3)	
Was the hydraulic fracturing	g treatment informatio	n submitted to the chemical	disclosure registry?	Yes	No (If No, fill o	out Page Three o	of the ACO-1)

Shots Per Foot				RD - Bridge Plugs Set/Typ Each Interval Perforated	e		Acid, Fracture, Shot, Ce (Amount and Kino	ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	e:	Set At:	: Packer	r At:	Liner F		No	
Date of First, Resumed	Producti	on, SWD or ENHF	<b>}</b> .	Producing Method:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas Mcf	Wat	ər	Bbls.	Gas-Oil Ratio	Gravity
	_			Open Hole Perf.		TION: Comp.	Commingled	PRODUCTION INTE	ERVAL:
		Jsed on Lease			(Submit		(Submit ACO-4)		
(If vented, Su	omit ACO	-18.)		Other (Specify)					

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Pahls 1-28
Doc ID	1140162

All Electric Logs Run

Array Induction	
Photo Density	
Comp Neutron	
Microlog	
Sonic	

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Pahls 1-28
Doc ID	1140162

Tops

Name	Тор	Datum
Base Anhydrite	2335	+576
Heebner	3745	-834
Lansing	3795	-884
Muncie Creek	3949	-1038
Stark Shale	4042	-1131
Hushpuckney	4080	-1169
Pawnee	4249	-1338
Cherokee Shale	4340	-1429
Johnson	4385	-1474
Morrow Shale	4446	-1535
Morrow SS	4483	-1572
Mississippian	4497	-1586



PO Box 93999 Southlake, TX 76092

Voice: (817) 546-7282 Fax: (817) 246-3361

Bill To:

Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

ONLY IF PAID ON OR BEFORE May 15, 2013 INVOICE Invoice Number: 135823 Invoice Date: Apr 20, 2013 Page: 1

Now Includes:

Customer ID	Field Ticket #	Payment	Terms
Shak	60159	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Apr 20, 2013	5/20/13

Quantity	Item	Description	Unit Price	Amount
		Pahls #1-28		
165.00	MAT	Class A Common	17.90	2,953.50
3.00	MAT	Gel	23.40	70.20
6.00	MAT	Chloride	64.00	384.00
178.42	SER	Cubic Feet	2.48	442.48
244.26	SER	Ton Mileage	2.60	635.08
1.00	SER	Surface V	1,512.25	1,512.25
30.00	SER	Pump Truck Mileage	7.70	231.00
1.00	SER	Manifold Rental	275.00	275.00
30.00	SER	Light Vehicle Mileage	4.40	132.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	David Scariano		1
		Γ	PROPERT	ILU
		Surface Cement	APR 2 9 20	13 "!!
		Surface Cement 10502-5		) STATUL
ALL PRICES AR	PENET PAYARIA	Subtotal		6,635.51
	OWING DATE OF			265.80
	2% CHARGED	Total Invoice Amount		6,901.31
	IF ACCOUNT IS CE DISCOUNT OF			
\$	1,725.23	TOTAL		6,901.31

DW

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092	I.D. # 20-8651475		VICE POINT	E.
	••		A	Kley Ki
DATE 4 2013 SEC. TWP. RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH A-313Can
LEASEPARTS WELL # 1-28 LOCATION RUASE	1 (1) 11 1	i c d	COUNTY	STATE
OLD OB MENT (OL )			Loga	Kj"
	Ad - 310 Ad -	51270		
CONTRACTOR HO 21 TYPB OF JOB Surface	OWNER	Same		
HOLE SIZE WIN TD. 845	CEMENT	_		-
CASING SIZE 8518 DEPTH 245		RDBRED <u>/ 65 (4</u>	3900	с. <u>с</u> .
TUBING SIZE DEPTH			negel	
TOOL DEPTH				
PRES. MAX MINIMUM	COMMON_	_165	- 1.9C	2953 50
MEAS. LINE SHOE JOINT	POZMIX		_@/ <u>) —</u> @	_2955
<u>CEMENT LEFT IN CSG.</u> <u>J5<sup>1</sup></u> PBRFS,	GEL	3	@ 23 40	, 7020
DISPLACEMENT 12.30	_ CHLORIDE	6	@ 64 <sup>20</sup>	3848
EQUIPMENT	ASC		_@ @	
			_@	
PUMPTRUCK CEMENTER	• • • • • • • • • • • • • • • • • • • •		@	
HELPER WAN MCGilyly	- <u></u>	·	_@	
BULKTRUCK # 396 DRIVER Javil Scallano	············		_@	····· · · · · · · · · · · · · · · · ·
BULK TRUCK	-		_```	
# DRIVER		120112 05	-@	
	- HANDLING MILBAGB2	Town to 8.	<u></u> 43	- 440.20
REMARKS:				1. 4485-26
- Con Car Carlieto, Mix Conont Displace	•		IUIA	1, <u>1-17)</u>
- Conerth GL. A. 2		SERVI	CE	
ament Aid Counter	DEPTH OF JC PUMP TRUCI		ass	1013 25-
			@ >	1512-
	EXTRA FOOT			
Thulk Vin		10	_@	231 =
		10	-@	23/ 2
		10	@ <u>2</u> @ <u>4</u> 92	23/2 23500 132
Thuck 46- Alm, Wight, Ami CHARGE TO: Shalleysene		10	@ @ @	23/2 2>502 32
CHARGE TO; Shalley Leve		10	_@	2) 502 2/50 <sup>25</sup>
TREET		10	© <u>2 3 -</u> © <u>492</u> © © TOTA	23/2-25025
TREET	MILEAGE MANIFOLD M	30 2 30	TOTA	
TREET	MILEAGE MANIFOLD M	10	TOTA	
TREET	MILEAGE MANIFOLD M	30 2 30	TOTA	NT
CHARGE TO; <u>Shalleyeare</u> TREET	MILEAGE / MANIFOLD // <i>LIPE Letter</i>	30 2 30	TOTA TOTA CQUIPME	NT
CHARGE TO: Shalley Lane	MILEAGE / MANIFOLD // <i>LIPE Letter</i>	30 2 3 0 PLUG & FLOAT	TOTA TOTA CQUIPME	NT
CHARGE TO: Shalleyeare	MILEAGE / MANIFOLD // <i>LIPE Letter</i>	30 2 3 0 PLUG & FLOAT	TOTA TOTA CQUIPME @ @ @	NT
CHARGE TO: Shalleyeare	MILEAGE / MANIFOLD // <i>LIPE Letter</i>	30 2 3 0 PLUG & FLOAT	TOTA TOTA CQUIPME	NT
CHARGE TO: Shalleyeare	MILEAGE / MANIFOLD // <i>LIPE Letter</i>	30 2 3 0 PLUG & FLOAT	TOTA EQUIPME @ @ @ @	NT
CHARGE TO: Shalleyeare	MILEAGE	30 A_30 PLUG & FLOAT	TOTA EQUIPME @ @ @ @	NT
CHARGE TO: Shalleyeare	MILEAGE MANIFOLD Craces	30 2 3 0 PLUG & FLOAT 	TOTAI	NT
CHARGE TO: Shalleyeare	MILEAGE MANIFOLD Craces	30 2 3 0 PLUG & FLOAT 	TOTAI	NT
CHARGE TO: Shalleyeare	MILEAGE MANIFOLD CF22224424	30 <u>2</u> 30 PLUG & FLOAT FAny) GES <u>G</u>	TOTAI	NT
CHARGE TO: Shalleyeare STREET	MILEAGE MANIFOLD CF22224424	30 2 30 PLUG & FLOAT FAny) GES 6,6 17,25,2	TOTAI	NT
CHARGE TO: Shalleyeare	MILEAGE MANIFOLD CF22224424	30 2 30 PLUG & FLOAT FAny) GES 6,6 17,25,2	TOTAI	NT



PO Box 93999 Southlake, TX 76092

Voice: (817) 546-7282 Fax: (817) 246-3361

Bill To:

Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881 INVOICE

Invoice Number: 136028 Invoice Date: May 2, 2013 Page: 1



Custon	ier ID	Field Ticket #		Payment Terms		
Sha	ık	60283		Net 30 Days		
Job Loo	cation	Camp Location		Service Date Due Date		
KS1-	03	Oakley		May 2, 2013	6/1/13	
Quantity	Item	Description		Unit Price	Amount	
123.00	MAT	Pahls #1-28 Class A Common	,	17.90	2,201.70	

		r ai 115 #1-1	20						
123.00	MAT	Class A C	ommon		6	17.90		2,201.70	
82.00	MAT	Pozmix		1,111		9.35		766.70	
7.00	MAT	Gel		1111		23.40		163.80	
51.00	MAT	Flo Seal		11~1	1	2.97		151.47	
220.15	SER	Cubic Fee	et			2.48		545.97	
275.70	SER	Ton Milea	ge			2.60		716.82	
1.00	SER	Plug to Al	bandon			2,483.59	641	2,483.59	
30.00	SER	Pump Tru	ick Mileage			7.70		231.00	
30.00	SER	Light Veh	icle Mileage			4.40		132.00	
1.00	EQP	8.5/8 Woo	oden Plug			107.64		107.64	
1.00	CEMENTER	Darren Ra	acette					10 A	
1.00	EQUIP OPER	Tyler Flip	se						
1.00	OPER ASSIST	Brandon	Wilkinson						
			10 502-	าา		心行乱い月子 AY 1 3 2013 シビュローレー GL		DW	
			Subtotal					7,500.69	1
	RE NET, PAYABLU OWING DATE OF		Sales Tax					585.05	;
	/2% CHARGED		Total Invoice An	nount				8,085.74	F
	IF ACCOUNT IS		Payment/Credit						1
CURRENT, TA	KE DISCOUNT OI	-	TOTAL	1.664.00				8,085.74	ī
\$	1,950.17		TOTAL					.,	
	ON OR BEFORE 27, 2013	e.							

#### **ALLIED OIL & GAS SERVICES, LLC** 060283

Federal Tax I.D. # 20-8651475 SERVICE POIN REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092 5/2/13 SEC. TWP. RANGE CALLED OUT ON LOCATION JOB FINISH PM JOB START 28 LEASE Pahls COUNTY LOCATION RUSSELL Springs 3/2 TO Rd STATE 1-28 K WELL# Logan OLD ORNEW (Circle one) 310 - Sint. HD #2 CONTRACTOR OWNER Same TYPE OF JOB F HOLESIZE 77/8 4580 CEMENT T.D. AMOUNT ORDERED <u>205 SKs</u> 14 <sup>-</sup> Elosea I 6940 476 Gel CASING SIZE DEPTH **TUBINO SIZE** DEPTH DRILL PIPE 41/2 234 DEPTH TOOL DEPTH 123 5K3 @ 17,90 82 5K3 @ 9,35 PRES. MAX MINIMUM COMMON MEAS. LINE SHOE JOINT POZMIX 17 5K3 @ 23 12 CEMENT LEFT IN CSG. GEL PERFS. CHLORIDE @ DISPLACEMENT 29.73 ASC @ 51 \$ 2.92 Flosea, EQUIPMENT @ @ PUMPTRUCK CEMENTER Darren Racette. @ # 120 HELPER Tyler Flipse @ BULK TRUCK DRIVER Brandon Wilkinson @ 1 566-595 @ BULK TRUCK 0 DRIVER CFT OF HANDLING 220,15 278 9Ż. Ŧ 2.62 \$716.82 MILEAGE 9.19 X .30 х REMARKS: TOTAL 4546.46 mix 25 3Ks Cement 2345 Cement Mix 1005Ks 1300 SERVICE MIX 40 5Ks ement Mix 10 SKS Comest DEPTH OF JOB \_2345 40 \$ 2483,59 PUMP TRUCK CHARGE EXTRA FOOTAGE @ Plug Rathole 30 SKS Coment MILEAGE 30 I 231 MANIFOLD. @ LU mileage @#4 @ CHARGE TO: Shakespeare Dil + Gas TOTAL \$ 28 46 52 STREET CITY\_\_\_\_ STATE ZIP PLUG & FLOAT EQUIPMENT Wooden Plus @ 107 @ @ To: Allied Oil & Gas Services, LLC. @ You are hereby requested to rent cementing equipment

1.6

@ TOTAL 107.6 SALES TAX (If Any) чì 7,000,69 TOTAL CHARGES. 1950.17 DISCOUNT ... IF PAID IN 30 DAYS 5,550.51 Net.

and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME R. Charl D. R. Wella SIONATURE

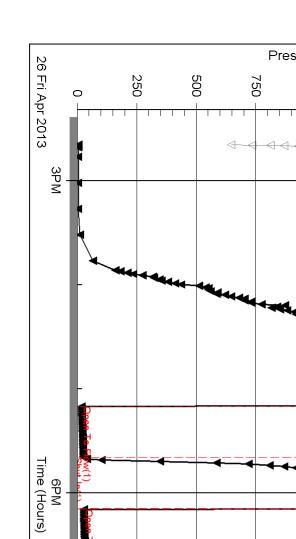
(O))-	RILOBITE	DRILL STEM TE	ST REF	PORT				
		Shakespeare Oil Co, Inc		28	13s 34w	Logan	Ks	
	ESTING , INC.	202 W Main Street Salem, II 62881			hls # 1-2			
		ATTN: Tim Priest			o Ticket: 49 st Start: 20		DST @ 14:39:0	
								-
Formation: Deviated: Time Tool Opene Time Test Ended	LKC - I No Whipstock: ed: 17:10:00	ft (KB)		Tes	ster:	Conventio Bradley W 53		Hole (Initial)
Interval: Total Depth: Hole Diameter:	<b>4006.00 ft (KB) To 40</b> 4020.00 ft (KB) (TN 7.88 inchesHole			Re	ference Ele KB t	evations: to GR/CF:	2901.	.00 ft (KB) .00 ft (CF) .00 ft
Serial #: 852 Press@RunDep Start Date: Start Time: TEST COMM	th: 34.24 psig 2013.04.26 14:39:05 ENT: IF: Surface blow	End Date: End Time:	2013.04.20 21:24:14		lib.: Btm: :		8000. 2013.04. 6 @ 17:09: 6 @ 19:15:	:45
	ISI: No return. FF: No blow . FSI: No return. Pressure vs. T	ime			RESSUF			
2000	8622 Pressure	8522 Temperature	Time	Pressure		Annota		
1750	X		(Min.)	(psig) 0 1923.53	(deg F) 101.78	Initial Hv	dro-static	
		100		1 18.93	101.39	-		
1500			30		102.53			
3 1250 <del> </del>		00	Tempe 60			End Shu Open To		
	✓↓		<sup>ratu</sup> 90			Shut-In(2		
			ີອອຼີ 125 ງັ້ງ 126		105.33 105.56			
0	6PM Time (Hours)	9PM						
	Recovery				Ga	s Rates		
Length (ft)	Description	Volume (bbl)			Choke (i		sure (psig)	Gas Rate (Mcf/d)
25.00	1mcw (oil spots in tool)	0.12			<b>ļ</b>	ł		ł
	ing Inc	Ref No: 49173				2013 04 2		

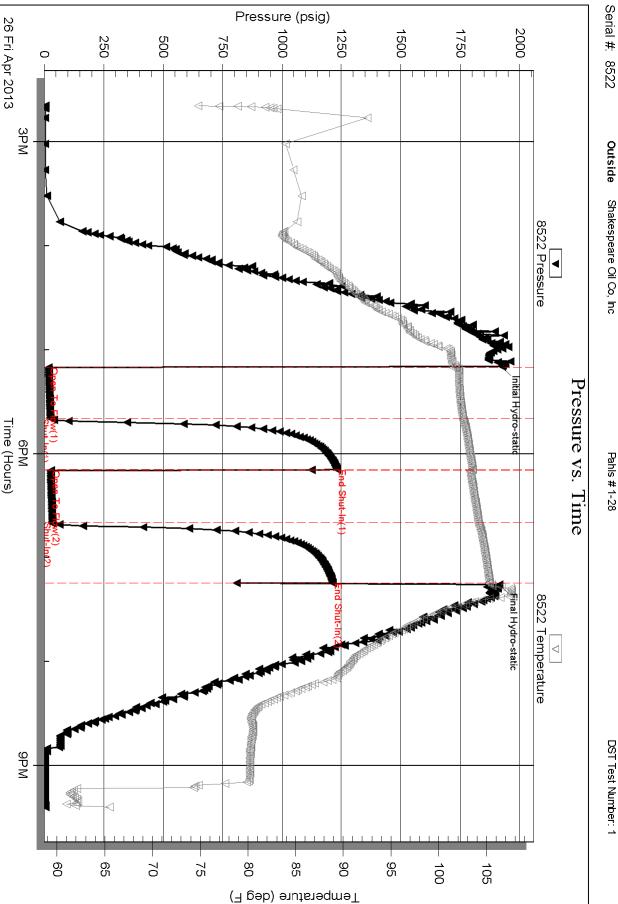
		RILL STEM TEST REPOR	Т	F	LUID SUMMAR
RILOBIT	I C Sha	akespeare Oil Co, Inc	28 13s 34v	w Logan, Ks	
<b>I</b> ESTIN	Sal	2 W Main Street lem, II 62881	Pahls # 1- Job Ticket: 4	19173	DST#:1
		TN: Tim Priest	Test Start: 2	2013.04.26 @ 14:	39:00
Mud and Cushion Infor	mation				
Mud Type:Gel ChemMud Weight:9.00 lb/gViscosity:49.00 seNater Loss:7.20 in3Resistivity:ohSalinity:4400.00 ppFilter Cake:1.00 inc	c/qt m.m m	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	ft bbl psig	Oil API: Water Salinity:	0 deg A Pl 30000 ppm
Recovery Information					
		Recovery Table			
Γ	Length ft	Description	Volume bbl		
	25.0	00 1mcw (oil spots in tool)	0.123	3	

Printed: 2013.04.27 @ 02:16:33

Ref. No: 49173

Trilobite Testing, Inc





Pahls # 1-28

DST Test Number: 1

Outside

Shakespeare Oil Co, Inc

RILOBITE	DRILL STEM TES	ST REP	ORT			
	Shakespeare Oil Co, Inc		28 13s	34w Log	an, Ks	
ESTING , INC	202 W Main Street Salem, II 62881		Pahls :	<b># 1-28</b> et: 49174	DST	·#- 2
	ATTN: Tim Priest				.27 @ 17:51:0	
GENERAL INFORMATION:						
Formation:LKC - JDeviated:NoWhipstock:Time Tool Opened:20:07:45Time Test Ended:01:23:30	ft (KB)		Test Typ Tester: Unit No:		entional Bottom ey Walter	Hole (Reset)
Interval:4017.00 ft (KB) To403Total Depth:4035.00 ft (KB) (TVHole Diameter:7.88 inches Hole			Referen	ce Elevation KB to GR/	2901.	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 8522OutsidePress@RunDepth:95.41 psigStart Date:2013.04.27Start Time:17:51:05TEST COMMENT:IF: 2" blow .	<ul> <li>4018.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> </ul>	2013.04.28 01:23:29	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000. 2013.04. 04.27 @ 20:07: 04.27 @ 22:54:	30
ISI: No return. FF: 2" Blow . FSI: No return.		I				
Pressure vs. Ti T 8522 Pressure	me  8522 Temperature	Time			UMMARY	
2000 1/700 1/2	ССС		(psig)         (de           1951.60         10           21.08         10           55.47         10           1304.93         10           57.39         10           95.41         11           1295.04         11	g F) 1.30 Initia 0.40 Oper 6.84 Shut 5.66 End 5.30 Oper 3.26 Shut 1.20 End	notation I Hydro-static n To Flow (1) -In(1) Shut-In(1) n To Flow (2) -In(2) Shut-In(2) I Hydro-static	
Recovery				Gas Ra	tes	
Length (ft) Description	Volume (bbl)		(	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
140.00 mcw 25m 75w (oil spots i	n tool) 0.69					
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 49174			ntad: 2012	.04.28 @ 06:37	7-50

		ILL STEM TEST REPOR	RT	FLUID SUMMAR
	Shake	espeare Oil Co, Inc	28 13s 34w Loga	an, Ks
ES		V Main Street n, II 62881	<b>Pahls # 1-28</b> Job Ticket: 49174	DST#: 2
	ATTN	: Tim Priest	Test Start: 2013.04.	27 @ 17:51:00
Mud and Cushion In	formation			
Viscosity: 45.00 Water Loss: 7.20 Resistivity: Salinity: 5000.00	ohm.m	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	Oil A Pl: ft Water 3 bbl psig	0
Recovery Informatio	on			
	·	Recovery Table		
	Length ft	Description	Volume bbl	
	140.00	mcw 25m 75w (oil spots in tool)	0.688	
Т	otal Length: 14	0.00 ft Total Volume: 0.688 bl	bl	
	aboratory Name: Recovery Comments: r	Laboratory Location: w is .250 @ 58 F = 32000		

Printed: 2013.04.28 @ 06:37:53

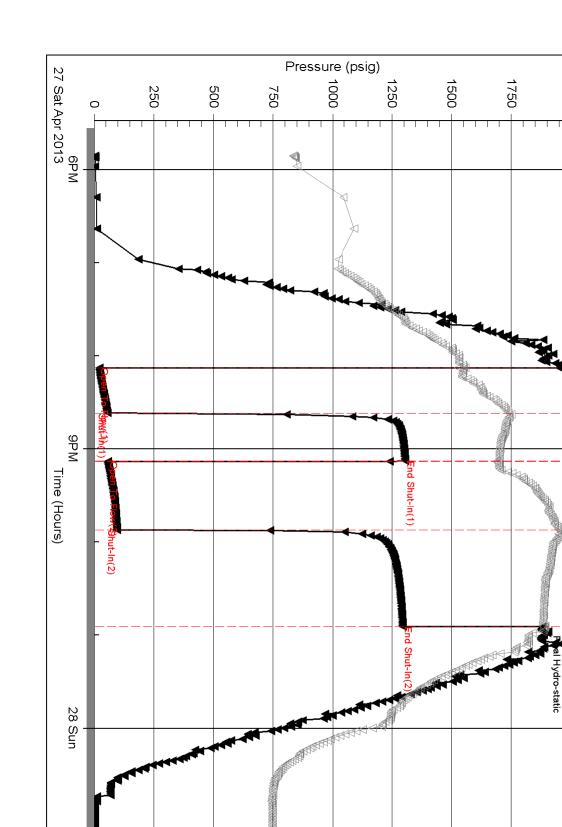
8

с С 70

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Ref. No: 49174

Trilobite Testing, Inc



80

75

о Сл

Temperature (deg F)

9 0 ю Ю 100

105

110

115

Serial #: 8522 Outside Shakespeare Oil Co, Inc

2000

■ 8522 Pressure

Initial Hydro-sta

Pahls # 1-28

Pressure vs. Time

\_\_\_\_ 8522 Temperature

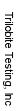
DST Test Number: 2

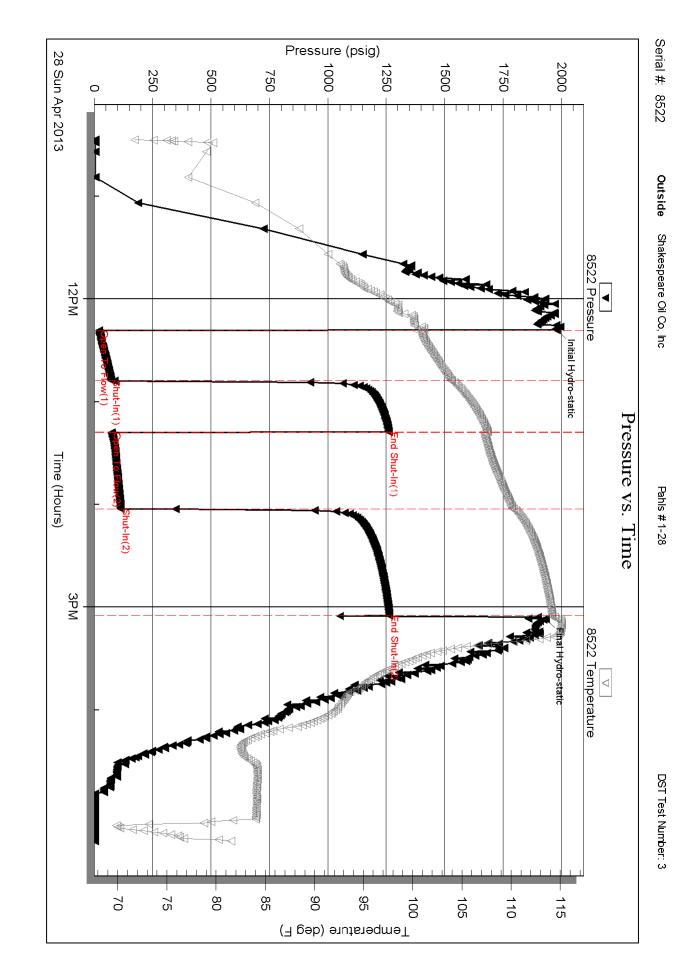
RILOBITE	DRILL STEM TES	T REPO	ORT		
	Shakespeare Oil Co, Inc		28 13s 34	w Logan, I	Ks
ESTING , INC.	202 W Main Street Salem, II 62881		Pahls # 1 Job Ticket:		DST#:3
	ATTN: Tim Priest			2013.04.28 @	
GENERAL INFORMATION:					
Formation:LKC - KDeviated:NoWhipstock:Time Tool Opened:12:18:15Time Test Ended:17:16:15	ft (KB)		Test Type: Tester: Unit No:	Conventiona Bradley Wal 53	al Bottom Hole (Reset) Iter
Interval:4045.00 ft (KB) To400Total Depth:4065.00 ft (KB) (TVHole Diameter:7.88 inches Hole			Reference K	Elevations: B to GR/CF:	2911.00 ft (KB) 2901.00 ft (CF) 10.00 ft
Serial #: 8522OutsidePress@RunDepth:112.70 psigStart Date:2013.04.28Start Time:10:27:05	<ul><li>4046.00 ft (KB)</li><li>End Date:</li><li>End Time:</li></ul>	2013.04.28 17:16:14	Capacity: Last Calib.: Time On Btm: Time Off Btm:	2013.04.28 2013.04.28	
TEST COMMENT: IF: 4" blow . ISI: No return. FF: 6" Blow . FSI: No return.		1			
Pressure vs. Ti T 8522 Pressure	me ⊽ 8522 Temperature	Time			
2000 1000	- 115 - 110 - 105 - 100 - 100 - 000 regeneration -	Time (Min.) 0 1 30 60 60 105 167 169		F)         Initial Hydr           20         Initial Hydr           36         Open To F           91         Shut-In(1)           50         End Shut-I           14         Open To F           13         Shut-In(2)           17         End Shut-I	o-static Tow (1) In(1) Tow (2) In(2)
Recovery				Gas Rates	
Length (ft) Description	Volume (bbl)		Chol	ke (inches) Pressu	ure (psig) Gas Rate (Mcf/d)
210.00 mcw 10m 90w (oil spots)	1.36				
*Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 49175			ed: 2013.04.28	

RIL(	OBITE		LL STEM TEST R				LUID SUMMAR
TE TE	STING , INC					w Logan, Ks	
111	G ( 11 <b>1 G</b> ) #10	202 W N Salem, I	Main Street II 62881		Pahls # 1- Job Ticket: 4		DST#:3
		ATTN:	ATTN: Tim Priest		Test Start: 2	2013.04.28 @ 10	:27:00
Aud and Cushion	Information	<b>I</b>					
lud Type: Gel Chem			Cushion Type:			Oil A PI:	0 deg A Pl
	.00 lb/gal		Cushion Length:		ft	Water Salinity:	53000 ppm
-	.00 sec/qt		Cushion Volume:		bbl		
	79 in <sup>3</sup>		Gas Cushion Type:				
Resistivity:	ohm.m		Gas Cushion Pressure	:	psig		
	.00 ppm .00 inches						
ecovery Informat	tion						
			Recovery Table			-	
	Leng ft	gth	Description		Volume bbl		
		210.00	mcw 10m 90w (oil spots)		1.365	5	
	Total Length:	210.0	00 ft Total Volume:	1.365 bbl			
			Num Gas Bombs:	0	Serial #		
	Num Fluid Sam Laboratory Nar Recovery Com	me:	Laboratory Location iw .130 @ 75F = 53000ppm				
	Laboratory Nar	me:	Laboratory Location				
	Laboratory Nar	me:	Laboratory Location				
	Laboratory Nar	me:	Laboratory Location				
	Laboratory Nar	me:	Laboratory Location				
	Laboratory Nar	me:	Laboratory Location				
	Laboratory Nar	me:	Laboratory Location				
	Laboratory Nar	me:	Laboratory Location				
	Laboratory Nar	me:	Laboratory Location				
	Laboratory Nar	me:	Laboratory Location				
	Laboratory Nar	me:	Laboratory Location			·	

Printed: 2013.04.28 @ 22:58:29

Ref. No: 49175





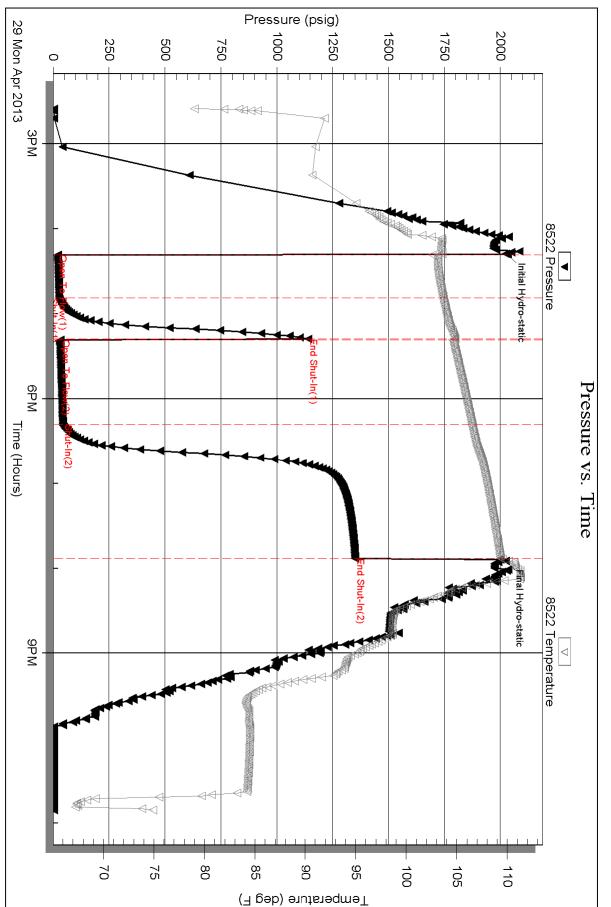
	DRILL STEM TES	ST REP	ORT				
RILOBITE	Shakespeare Oil Co, Inc		28	13s 34w	Logan, K	s	
ESTING , INC.	202 W Main Street Salem, II 62881			hls#1-2	-		
	ATTN: Tim Priest			Ticket: 53	)13.04.29 @	DST#:-	4
	Arm. minnest		1031		710.04.20 @	14.00.00	
GENERAL INFORMATION: Formation: Marmaton A							
Deviated: No Whipstock: Time Tool Opened: 16:18:15 Time Test Ended: 22:51:30	ft (KB)		Test Test Unit	ter: I	Conventional Bradley Walte 53		le (Reset)
Interval:4165.00 ft (KB) To42Total Depth:4200.00 ft (KB) (TVHole Diameter:7.88 inches Hole			Refe	erence Ele KB t	evations: to GR/CF:	2911.00 2901.00 10.00	ft (CF)
Serial #: 8522OutsidePress@RunDepth:43.42 psigStart Date:2013.04.29Start Time:14:35:05TEST COMMENT:IF: Weak surfaceISI: No return.FF: 3" blow .	End Date: End Time:	2013.04.29 22:51:29	Capacity: Last Calit Time On I Time Off	o.: Btm: 2	2 2013.04.29 @ 2013.04.29 @		
FSI: No return.							
Pressure vs. Tr T 8622 Pressure	me 	Time	PF Pressure	RESSUF Temp	RE SUMMA		
2000	ai Hydrostatic - 110	(Min.)	(psig)	(deg F)			
1750	105	0	2031.77 20.00	103.53 102.57			
	100	31	26.58	103.66	Shut-In(1)		
	- 96		1141.72		End Shut-In Open To Flo	. ,	
		61 120	32.19 43.42	104.52	-	JW (Z)	
		216	1351.06	109.33		(2)	
29 Mon Apr 2013 Time (Hous)		217	2023.75	110.15	Final Hydro	static	
Recovery			<u> </u>	Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (i	inches) Pressure	e (psig) G	as Rate (Mcf/d)
60.00 gsw mco 8g 2w 30m 60o	0.30						
1.00 oil 100o	0.00						
0.00 120' GIP	0.00						
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 53226				2013.04.30		

		DRI	LL STEM TEST REPOR	Т	F	LUID SUMMAR
	RILUDITE	Shakes	speare Oil Co, Inc	28 13s 34	w Logan, Ks	
	RILOBITE	202 W	Main Street	Pahls#1	-28	
	-		II 62881	Job Ticket:		DST#:4
		ATTN:	Tim Priest		2013.04.29 @ 14:	
/lud and Cus	shion Information					
lud Type: Gel	Chem		Cushion Type:		Oil A PI:	0 deg API
/ud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	0 ppm
iscosity:	48.00 sec/qt		Cushion Volume:	bbl		
/ater Loss:	7.99 in <sup>3</sup>		Gas Cushion Type:			
esistivity:	ohm.m		Gas Cushion Pressure:	psig		
alinity:	4400.00 ppm					
ilter Cake:	1.00 inches					
ecovery Inf	ormation		Passyon, Tabla			
	<b></b>		Recovery Table		7	
	Leng ft		Description	Volume bbl		
		60.00	gsw mco 8g 2w 30m 60o	0.29	5	
		1.00	oil 100o	0.00	5	
		0.00	120' GIP	0.00	<u>o</u>	
	Total Length:		.00 ft Total Volume: 0.300 bbl			
	Num Fluid Sam		Num Gas Bombs: 0	Serial #	<i>‡</i> :	
	Laboratory Nar Recovery Com		Laboratory Location:			
		nemo.				

Printed: 2013.04.30 @ 00:30:27

Ref. No: 53226





Pahls # 1-28

DST Test Number: 4

Serial #: 8522

Outside

Shakespeare Oil Co, Inc

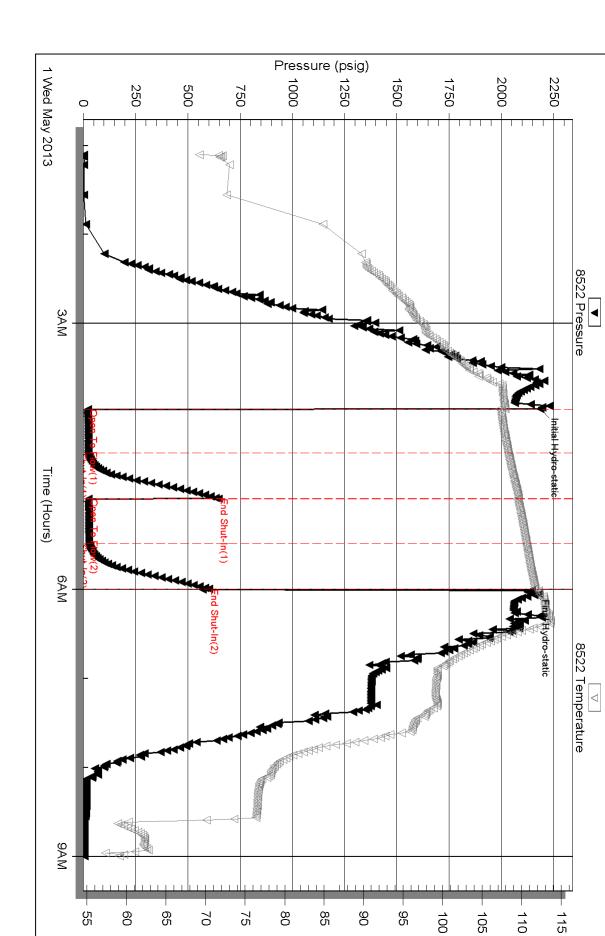
RILOBITE		ST REP			
TESTING, INC.	Shakespeare Oil Co, Inc		28 13s	34w Logan, Ks	
	202 W Main Street Salem, II 62881		Pahls #	-	
			Job Ticke		OST#:5
	ATTN: Tim Priest		Test Star	t: 2013.05.01 @ 01:0	6:00
GENERAL INFORMATION:					
Formation:JohnsonDeviated:NoWhipstock:Time Tool Opened:03:58:00Time Test Ended:09:00:00	ft (KB)		Test Type Tester: Unit No:	e: Conventional Bott Bradley Walter 53	tom Hole (Reset)
Interval: 4371.00 ft (KB) To 44	30.00 ft (KB) (TVD)		Reference	e Elevations: 29	911.00 ft (KB)
Total Depth: 4430.00 ft (KB) (TV					901.00 ft (CF)
Hole Diameter: 7.88 inches Hole	Condition: Good			KB to GR/CF:	10.00 ft
Serial #: 8522 Outside			<b>0</b> <i><sup>1</sup></i>		
Press@RunDepth: 27.82 psig Start Date: 2013.05.01	@ 4372.00 ft (KB) End Date:	2013.05.01	Capacity: Last Calib.:		000.00 psig .05.01
Start Time: 01:06:05	End Time:	08:59:59	Time On Btm:	2013.05.01 @ 03	
			Time Off Btm:	2013.05.01 @ 06	:00:45
FSI: No return. Pressure vs. Tr 802 Pressure	me 822 Temperture			SURE SUMMARY	,
2250	115	Time (Min.)	Pressure Ter (psig) (de	mp Annotation	
200		0	1 1	7.91 Initial Hydro-stat	tic
1750		1		7.16 Open To Flow (1	1)
		30 61	1 1	8.33 Shut-In(1) 9.65 End Shut-In(1)	
				9.35 Open To Flow (2	2)
		perature (deg 122		0.61 Shut-In(2)	
		<sup>2</sup> 400			
700	× × × × × × × × × × × × × × × × × × ×	ق ۳ ۱22	600.91 11 2144.66 11	1.71 End Shut-In(2) 2.17 Final Hydro-stat	tic
E / 🛃	75				ic
	75 54-514-402 70 65 70 65 70 65 70 70 65 70 70 70 70 70 70 70 70 70 70				ic
700 600 600 600 600 600 600 600	75 54-514-402 70 65 70 65 70 65 70 70 65 70 70 70 70 70 70 70 70 70 70		2144.66 11:	2.17 Final Hydro-stat	
1 Wed May 2013 Time (Hous) Recovery	раневична2 раневична раневична2 раневична раневична раневичн		2144.66 11:	2.17 Final Hydro-stat	
1 Wed May 2013 3AM Time (Hous) Recovery Length (ft) Description	ризанна вам 944 Volume (bbl)		2144.66 11:	2.17 Final Hydro-stat	
1 Wed May 2013 3AM Time (Hous) Recovery Length (ft) Description	ризанна вам 944 Volume (bbl)		2144.66 11:	2.17 Final Hydro-stat	
1 Wed May 2013 Time (Hous)  Recovery  Length (ft)	ризанна вам 944 Volume (bbl)		2144.66 11:	2.17 Final Hydro-stat	
1 Wed May 2013 Time (Hous)  Recovery  Length (ft)	ризанна вам 944 Volume (bbl)		2144.66 11:	2.17 Final Hydro-stat	

Image: Second		DRI	LL STEM TEST REPORT	Г	I	FLUID SUMMARY	
Salem, II 62881       Job Ticket: 53227       DST#:5         ATTN: Tim Priest       Test Start: 2013.05.01 @ 01:06:00         Mud and Cushion Information       Ushion Type:       Oil API:       0 deg API         Mud Yope:       Gel Chem       Cushion Type:       Oil API:       0 deg API         Mud Weight:       9.00 lb/gal       Cushion Length:       ft       Water Salinity:       0 ppm         Viscosity:       53.00 sec/qt       Cushion Volume:       bbl       bbl       0 ppm         Water Loss:       7.20 in <sup>3</sup> Gas Cushion Type:       Besistivity:       ohn.mm       Gas Cushion Pressure:       psig         Salinity:       5000.00 ppm       Enter Cake:       1.00 inches       Recovery Table       Enter Cake:       1.00 inches         Total Length       Description       Volume       bbl         15.00       mud 100m(oil spots)       0.074       0.074 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:       Laboratory Name:		Shakes	speare Oil Co, Inc	28 13s 34	w Logan, Ks		
ATTN: Tim Priest       Test Start: 2013.05.01 @ 01:06:00         Mud and Cushion Information       Mud Type: Gel Chem       Old API:       0 deg API         Mud Weight:       9.00 lb/gal       Cushion Type:       ft       Water Salinity:       0 ppm         Viscosity:       53.00 sec/qt       Cushion Volume:       bbl       bbl       Water Salinity:       0 ppm         Water Loss:       7.20 in <sup>3</sup> Gas Cushion Volume:       bbl       bbl       Viscosity:       offention       0 ppm         Water Loss:       7.20 in <sup>3</sup> Gas Cushion Pressure:       psig       salinity:       offention       offention         Resistivity:       ohm.m       Gas Cushion Pressure:       psig       salinity:       salinity:       5000.00 ppm         Filter Cake:       1.00 inches       Recovery Table       Recovery Table       Image: Comparison       Volume       bbl       salinity:       serial #:       serial #:         Total Length:       15.00 ft       Total Volume:       0.074 bbl       serial #:       serial #:       Laboratory Name:       Laboratory Location:       Serial #:       serial #:	ESTING , INC.					DST#:5	
Mud Type:     Gel Chem     Cushion Type:     Oil API:     0 deg API       Mud Weight:     9.00 lb/gal     Cushion Length:     ft     Water Salinity:     0 ppm       Viscosity:     53.00 sec/qt     Cushion Volume:     bbl     bbl     0 deg API       Water Loss:     7.20 in <sup>3</sup> Gas Cushion Type:     Besistivity:     ohm.m     Gas Cushion Pressure:     psig       Salinity:     5000.00 ppm     500.00 ppm     Filter Cake:     1.00 inches     Filter Cake:     1.00 inches       Recovery Information       Volume       Length     Description     Volume       ft     15.00 mud 100m(oil spots)     0.074       Num Gas Bombs:     0       Num Fluid Samples: 0     Num Gas Bombs:     0     Serial #:       Laboratory Name:     Laboratory Location:     Serial #:		ATTN: Tim Priest					
Mud Type:     Gel Chem     Cushion Type:     Oil API:     0 deg API       Mud Weight:     9.00 lb/gal     Cushion Length:     ft     Water Salinity:     0 ppm       Viscosity:     53.00 sec/qt     Cushion Volume:     bbl     bbl     0 deg API       Water Loss:     7.20 in <sup>3</sup> Gas Cushion Type:     Besistivity:     ohm.m     Gas Cushion Pressure:     psig       Salinity:     5000.00 ppm     500.00 ppm     Filter Cake:     1.00 inches     Filter Cake:     1.00 inches       Recovery Information       Volume       Length     Description     Volume       ft     15.00 mud 100m(oil spots)     0.074       Num Gas Bombs:     0       Num Fluid Samples: 0     Num Gas Bombs:     0     Serial #:       Laboratory Name:     Laboratory Location:     Serial #:	Mud and Cushion Information						
Recovery Table         Length       Description       Volume         ft       Description       0.074         15.00       mud 100m(oil spots)       0.074         Total Length:       15.00 ft       Total Volume:       0.074 bbl         Num Fluid Samples: 0       Num Gas Bombs:       0       Serial #:         Laboratory Name:       Laboratory Location:       Laboratory	Mud Type:Gel ChemMud Weight:9.00 lb/galViscosity:53.00 sec/qtWater Loss:7.20 in³Resistivity:ohm.mSalinity:5000.00 ppm		Cushion Length: Cushion Volume: Gas Cushion Type:	bbl			
Length ft     Description     Volume bbl       15.00     mud 100m(oil spots)     0.074       Total Length:     15.00 ft     Total Volume:     0.074 bbl       Num Fluid Samples: 0     Num Gas Bombs:     0     Serial #:       Laboratory Name:     Laboratory Location:     Laboratory	Recovery Information						
ft     bbl       15.00     mud 100m(oil spots)     0.074       Total Length:     15.00 ft     Total Volume:     0.074 bbl       Num Fluid Samples: 0     Num Gas Bombs:     0     Serial #:       Laboratory Name:     Laboratory Location:     Laboratory Location:			Recovery Table	•	-		
Total Length: 15.00 ft Total Volume: 0.074 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	Lengtl ft	h	Description				
Num Fluid Samples: 0       Num Gas Bombs: 0       Serial #:         Laboratory Name:       Laboratory Location:		15.00	mud 100m(oil spots)	0.07	4		
Laboratory Name: Laboratory Location:	Total Length:	15	.00 ft Total Volume: 0.074 bbl				

Printed: 2013.05.01 @ 10:37:14

Ref. No: 53227

Trilobite Testing, Inc



Temperature (deg F)

Serial #: 8522 Outside Shakespeare Oil Co, Inc

Pahls # 1-28

Pressure vs. Time

DST Test Number: 5

TIM PRIEST									
Petroleum Geologist (316)-213-6115									
GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG									
COMPANY <u>SHAKI</u> LEASE <u>PAHLS</u>	ESPEARE OIL CO. 1-28	_ ELEVATIONS _ кв_2911'							
FIELD <u>Wildcat</u> LOCATION <u>360' FN</u>	L, 1250' FEL	DF							
SEC <u>28</u> TWS COUNTY Logan CONTRACTOR HD	Measurements Are All								
SPUD <u>4-20-13</u> RTD <u>44580'</u> MUD UP <u>3500'</u>	_COMP <u>5-2-13</u> LTD <u>4580'</u> TYPE MUD Chemical	CASING CONDUCTOR N/A							
SAMPLES SAVED F	ROM 3600' to RTI	SURFACE         8-5/8" (a) 222"         9           PRODUCTION							
	PT FROM <u>3600'</u> to RTD D FROM <u>3600'</u> to RTD	ELECTRICAL							
GEOLOGICAL SUPE GEOLOGIST ON WE	RVISION FROM <u>3600' to RT</u> LLTim Priest	D CND;D/SP;P.E. Micro By: Weatherford							
Anhydrite		PLE							
Heebner Shale Lansing Stark	3788         (-877)         3792           4041         (-1130)         4042	<u>(-836)</u> (-881) (-1131)							
BKC Fort Scott Cherokee Shale	4312         (-1401)         4310           4340         (-1429)         4340	$\begin{array}{c c} \hline (-1204) \\ \hline (-1399) \\ \hline (-1429) \end{array} - \begin{array}{c c} -28 \\ \hline \\ -2$							
Mississippian		(-1586)							

-				Dolomite	REMARKS		Anhydrite 2311(+600)
, ,	ug and abandon the well.	Respectfully Submitted, Tim Priest	Petroleum Geologist	A     A       B     A       B     A <tr td=""></tr>	SAMPLE DESCRIPTION		
	Due to the negative Drill Stem Tests, it was decided to plug and abandon the well	ΥΥ Π	₫.	LEGEND ETTER ETTET	DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases	5 10 15 20 30	
•		#15-109-21170-00-00		Sandstone	DRILLII MINUTI Rate of Per	.5 1.0	
	REMARKS	API #15-1		Anhydrife			3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

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Anhvdrite	2311(+600) Base/ Anhvdrite	2335(+576) 2335(+576)			nanony konnances in pay any ang	
			Ls crm, fn xtl, fos, chky, p int xtl-pp por, NS	SS It gry-gry, vfn grn, w/Sh & silts	Sh gry-dk gry Ls crm, fn xtl, fos, chky, p-f int xtl-pp por, NS Sh arv	,
- 5300		3600				

Jacobio processione and a second s			New York Company of Congress	۰۰,	and the second				2012/2011/02/2011/02/2011/02/2011/02/2011/02/2011/2011/02/2011/02/2011/2011/2011/2011/2011/2011/2011/2011/2011	-
					Heebner	3747 (-836)	Tornato	3765 (-854)	Lansing	3792 (-881)
Ls crm, vfn xtt, fos, chky, dnse	Sh bik	Ls crm-gry motid, fn xti, fos, chky, f-gd int xti & int frag por, sptd dk stn (mostly barren),		Ls crm-lt gry, fn xtl, fos-sli ool. f int frag por, sptd dk stn on few pcs, VSSFO, sli odor, no	חנסז	Sh blk, carb	Sh gm-gry-red, calc, silty	Ls crm, fn xtl, fos, ool in prt, sli chky, p-f int xtl & int ool por, NS	Sh red-gry, silty	Ls orm-it gry, fn xtl, fos, chky, f int xtl & int frag por, sptol-sli sat stn on few pcs, SSFO, no odor, no fluor
	3700					20				3800

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			<b>151 764 1 1 1 1 1 1 1 1 1 1</b>			
Ls crm-it gny, în xti, fos, chky, f int xtl & int freg por, sptc-sli sat stn on few pcs, SSFO, no odor, no fluor Ls crm-it gny, fn xtl, fos-ool, chky, f int xtl & int frag por, NS	Ls crm-lt gry, vfn xtl, dnse, w/ int bed red-gry Sh Ls crm-it gry, fn xtl, fos-ool, chky, f int xtl & int frag por, sptd blk stn of few pcs, VSSFO, no odor, no fluor	Ls crm-lt gry, vfn xtl, dnse Sh red-gry Ls crm-lt gry, vfn xtl, dnse	Ls crm-tan, fn xtl, fos, chky, p- f int xtl-pp por, NS Sh blk, carb	Ls crm-it gry, fn xtl, fos, chky, p-f int xtl-pp por, NS Sh grn-gry	fos, chky, f int xtl-pp por, NS Ls crm-tan, fn xtl, fos, chky, p- f int xtl-pp por, sptd-sli sat stn on 2 pcs, VSSFO, no odor, dull fluor	Ls crm-lt gry, fn xtl, fos-ool, chky, p-f int xtl-pp por, NS
S L L		СFS СFS		S CF	-CFS	
			M = M			
	_ <u>/ N                </u>	/ / / / / /	<u>                                       </u>	<u>  \/  M</u>		<u> </u>
· @	<u>'n</u>			<u>â</u>		()
3800		20	<u> </u>	<u>, , , , , , , , , , , , , , , , , , , </u>	3300	<u> </u>

	Electrostationen de la constance de la constanc	~		ŧ
	Muncie Creek 3949 (-1038)	DST # 1 (4006'-4020') 30'-30'-30'-30'-30'- 30'-30'-30'-30'- 1F: Died in 25', no return FF: No biow. no return Re:: 25' OSIMN(70%W, 30%M) FPs: 19-26#/26-34# FPs: 19-26#/26-34# FPs: 19-26#/26-34# FPs: 19-26#/26-34# FPs: 19-26#/26-34# FPs: 102.600 F	Pipe strap @ 4020' was 0.49' long to board 0.49' long to board 0.40' 17'-4(035') 30'-30'-4(035') 30'-30'-4(035') 16: Built to 2 in., no return Rec: 140' OSMW(75%W, 25%M) Fes: 1205#17295# Files: 1305#17295# Files: 1305#17295# Files: 1305#17295# Files: 1305#17295# Files: 1305#17295# File: 132_609	Stark 4042 (-1131) DST # 3 (4045'-4055))
	Ls ft gry-gry, vm xu, anse Ls crm-lt gry, fn xtl, fos, chky, f int xtl & int frag por, NS Ls crm-lt gry, vfn xtl, dnse Sh blk, carb	Ls tan-gry, vfn xtl, dnse Sh grn-gry Ls crm-tan-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, NS Ls It gry, mic xtl, dnse Sh blk	14	no odor, no fluor Ls crm-lt gry, in xtl, fos, p-f int xtl-pp por, NS Sh blk, carb Sh var col, calc Ls crm-lt gry, in xtl. fos-ool in
	20		4000	20
- - -		· .		

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<pre> / / / / / / / / / / / / / / / / / / /</pre>	V(50%W) 113# 32# 第7#	ley Sh 69)		(1)	Manual Strand Landson Manual Strandson Strandson	1150 <u>200 1000 1000 1000 1000 1000 1000</u>	
Stark <b>Stark</b> <b>4042 (-1131)</b> しるて (-1131) しるて (-1131) しるて (-1131) こここの(-1131) して (-1131) こここの(-1131) して (-1131) して (-1131)	Rec: 210' OSMW(50%W, 10%M) Fps: 21-72#/75-113# SIPs: 1261#/1264# HSPs: 1360#/1332# BHT: 115 deg F Chlor: 53,000pom	Hushpuckney Sh 4080 (-1169)					
Sh blk, carb Sh blk, carb Sh var col, calc Ls crm-lt gry, fn xti, fos-col in prt, chky, p-f int xtl & int frag por, sptd-sli sat stn, SFO, sli-f	odor, dull fluor Ls crm-lt gry, vfn xtl, sli chty, dnse	Sh bik, carb Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, sptd stn on few pcs, VSSFO, no odor, no fluor	Ls crm-tan-gry, vfn xtl, sli chty, dnse	on gry Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, NS Ls crm-gry, fn xtl, sli fos, chky, dnse	Sh var col, silty-sli sandy Sh gry	Ls crm-lt gry, vfn xtl, dnse Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, sptd stn on few pos. VSSFO. no odor, dulf	
					Sh gry		,
20							·

		M		-		www.com/charloscom-content and		Marana and a standard a	1072797107000000000000000000000000000000
		<b>4185 (-1274)</b> <b>DST</b> # 4 (4165'-4200') so <sup>-</sup> so <sup>-</sup> so <sup>-</sup> so <sup>-</sup>	FF: Built to 3 in. no return Rec: 120' GIP, 1' CO, 60' GWMO(8%G,60%O,2%W) 30%W)	Pps: 20-2/#/32-43# SIPs: 1142#/1361# HSPs: 2032#/2024# BHT: 110 deg F Chlor: TSTM			Pawnee 4251 (-1340)		Myric Station 4296 (-1385)
	ກ.ເຣ.ທ ຕາທ-ການ. ນາກ.xແ. dnse ຄືບor Sh red-gry, silty, calc in prt Sh red-gry	Ls crm-tan-ft gry, fn xtl, fos, sli chky, p-f int xtl-pp por w/few vugs. sptd-sli sat stn. SSFO, v sli odor, dull fluor	Sh maroon-gry Ls crm-lt gry, vfn xtl, dnse	Sh grn-gry-dk gry	Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl & int frag por, NS	Ls crm-lt gry, mic xtl, dnse Ls crm-tan, fn xtl, chty, dnse	Sh blk, carb Ls crm-tan, fn xti, fos, chky, p-f int xti-pp por, sptd stn on several nos MSSFO no odor	duil fluor Ls crm-tan-gry, vfn xtl, chty, dnse	Ls crm-lt gry, vfn xtl, chty, dnse Sh blk, carb I e lt anu-tan foe eli chku eli
			2 2 2	E E E		CF S S			
						quella promoção a que se que por que	20		
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Myric Station	96 (-1385) 	Fort Scott 4310 (-1399)		Cherokee Shale	40 (-1429) 	ohnson Zone	4381 (-1470)	DST # 5 (4371'-4430') 30r-30r-30"-30" FF: No bicw, no return Rec. 15' OSM Fps: 23-26#/25-28# SIPs: 646#(601# HSPs: 2167#/2145# BHTI 112 ceg F		
M	Ls lt gry-tan, fos, sli chky, sli chty, dnse	Sh blk, carb Fd 1 s crm-orv. vfn xtl. fos.chtv. 43	dnse Ls crm-tan-gry, vfn xtt, ool in prt, sli chty, dnse		Sh blk, carb Ls crm-tan, fn xtt, ool, chky, f int xtt & int ool por, NS Ls gry, mic xtl, dnse	Sh blk, carb, w/int bed tan-gry dnse Ls Ls tan-gry, vfn xtl, sli řos, p-f pp-vug por, sptd-sli sat dk sin, SFO, f odor, dull fluor Sh arv-arn-red		Ls tan-gry, mic xtl, sli fos, dnse DST Ls crm-tan, vfn xtl, sli fos, sli chky, few pcs w/pp por, sptd dk stn, VSSFO, no odor, dull fluor Ls tan-gry, mic xtl, sli chty, Briti 112 ceg F Briti 112 ceg F		
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	4300.			┥┠┥┝┥┝				449 		

		Mississippian	4497 (-1586)			- Total Depth 4580' (-1669)
Sh var col, silty, calc in prt SS lt gry, fn grn, sli fria, sli dirty Sh var col, w/wh-lt grn fn grn SS, sli fria, NS Sh var col, most blk Sh var col, w/wh vfn grn SS	Sh var col, silty, sme blk	SS wh-lt grn, fn grn, fria, NS	Ls tan, mic xtl, dnse Ls crm-tan, mic xtl, sli chky, dnse	Ls tan, mic xtl, dnse Ls crm-tan, mic xtl, sli chky, dnse	Ls crm-tan, mic xtl, sli chty, dnse	Ls crm-tan vfn xtl, sandy, dnse

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 Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner Sam Brownback, Governor

May 20, 2013

Don Williams Shakespeare Oil Co., Inc. 202 W MAIN ST SALEM, IL 62881-1519

Re: ACO1 API 15-109-21170-00-00 Pahls 1-28 NE/4 Sec.28-13S-34W Logan 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, Don Williams