KOLAR Document ID: 1468316

Confiden	tiality Re	equested:
Yes	No	

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 January 2018 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WELL	HISTORY	- DESCRIPTION	OF WELL	& I FASE
	III3IONI ·	- DESCRIF HOR		a LLASL

OPERATOR: License #	API No.:
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:
☐ Oil ☐ WSW ☐ SWD □ Gas □ DH □ EOR	Elevation: Ground: Kelly Bushing:
	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? 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 EOR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Liner Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #: GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R East West
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Countv: 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 Drill Stem Tests Received					
Geologist Report / Mud Logs Received					
UIC Distribution					
ALT I II III Approved by: Date:					

KOLAR Document ID: 1468316

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

Page Two

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 Sh	eets)	Y	es 🗌 No			og Formatio	n (Top), Depth	and Datum	Sample
Samples Sent to Geolog	*		és 🗌 No	Ν	lame	e		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		Y	ies No ies No ies No						
		Repo	CASING I] Ne	w Used rmediate, productio	on, etc.		
Purpose of String	Size Hole Drilled		ze Casing tt (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Туре	Type of Cement # Sacks		k		Type and Percent Additives		
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the is Was the hydraulic fractu Date of first Production/Inj 	total base fluid of the h ring treatment informa	nydraulic fra tion submit	acturing treatment	al disclosure regis	-	Yes Yes Yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Injection:			Flowing	Pumping		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water Bbls. Gas-Oil Ratio Gravity				Gravity
DISPOSITION	I OF GAS:		M	ETHOD OF COM	/IPLE	TION:			ON INTERVAL:
Vented Sold (If vented, Subm	Used on Lease		Open Hole		-		mingled	Тор	Bottom
			Bridge Plug Set At		Acid,		ementing Squeeze		
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion		
Operator	Shakespeare Oil Co., Inc.		
Well Name	CL COMMUNITY 1-30		
Doc ID	1468316		

All Electric Logs Run

Dual Induction
Dual Compensated Porosity
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	CL COMMUNITY 1-30
Doc ID	1468316

Tops

Name	Тор	Datum
Base Anhydrite	2323	+608
Heebner	3893	-962
Lansing	3935	-1004
Muncie Creek	4109	-1178
Stark Shale	4209	-1278
Hushpuckney	4252	-1321
Marmaton	4333	-1402
Pawnee	4417	-1486
L. Cherokee Shale	4496	-1565
Johnson	4537	-1606
Mississippian	4648	-1717

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	CL COMMUNITY 1-30
Doc ID	1468316

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	265	Class A	2% gel, 3% cc

68 -Invoice P. O. Box 466 Ness City, KS 67560 Off: 785-798-2300 DATE INVOICE # 7/13/2019 32239 Services,

INT

BILL TO

Shakespeare Oil Company, Inc 202 West Main Street Salem, IL 62881

Acidizing

- Cement
- Tool Rental

TERMS	Well No	o. Lease	County	Contractor	We	ll Type	We	ell Category	Job Purpose	Operator
Net 30	1-30	CL Community	Scott	Southwind Rig #8		Oil	D	evelopment	Surface Pipe	Gideon
PRICE	REF.	2. 	DESCRIPT	ION		QTY	Y	UM	UNIT PRICE	AMOUNT
575D 576D-S 325 276 278 279 581D 583D		Mileage - 1 Way Pump Charge - Shall Standard Cement Flocele Calcium Chloride Bentonite Gel Service Charge Cem Drayage Subtotal Sales Tax Scott Cour	ent	500 Ft.) 50a - AM	5		1 175 50 8 3	Miles Job Sacks Lb(s) Sack(s) Sack(s) Sacks Ton Miles	5.00 925.00 13.50 3.00 40.00 30.00 1.85 0.95 8.50%	350.00 925.00 2,362.50T 150.00T 320.00T 323.75 571.90 5,093.15 248.41
We A	ppre	ciate Your	Busines	s!	÷			Tota	l	\$5,341.56
								<u>}</u>		DW

Thank You!				APPROVAL	Hider Fuch	SWIFT OPERATOR
s ticket.	ces listed on thi	erials and servio	jes receipt of the mat	LS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES	
		CUSTOMER DID NOT WISH TO RESPOND	CUSTOMER DID		1200	4 19
		YES INO		ARE		DATE SIGNED
1, 8th 0, 021	- Cu		WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	P.O. BOX 466 MID NESS CITY, KS 67560 SATIS	MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.	
			MET YOUR NEEDS?	SWIFT SERVICES, INC.	LIMITED WARRANTY provisions.	LIMITED WAR
PAGE TOTAL			OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AYMENT TO:	LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not include.	the terms and c
_			SURVEY	Vrayage		2
		311		CMT Service Charge		581
2010 2010	32	3		Bentonite Cref		274
320	sks 4	ß		Calcium Chloride		878
160	12	50		Flocele		s X
3 1 2 2362 50		175 Isks		Standard CMT		325
5 pe 925 es	<u>566 999</u>			° CI		5765
350		<u>0</u> 2		MILEAGE TOK #112		575
UNIT AMOUNT	M/U PI	U/M QTY.		DESCRIPTION	SECONDARY REFERENCE/ ACCOUNTING PART NUMBER LOC ACCT DF	PRICE
-	*******				INVOICE INSTRUCTIONS	REFERRAL LOCATION
4 Jet 3-N	WELL LOCATION	RMIT NO.	WELL PERMIT NO	LOOMENC JOB PURE		.4.
Ō	ORDER NO.	ered to	NIA CT Loca		South South	33 S
13-19 OWNER	DATE	off City		Community	Jeff HS WELL/PROJE	SERVICE LOCATION
PAGE OF				CITY, STATE, ZIP CODE	Inc.	Services,
TICKET 032239	TIC			TO: Shakespeare Oil	CHARGE TO: ADDRESS	MS

DATE PAGE NO. SWIFT Services, Inc. JOB LOG 7-13-19 TICKET NO. 032239 PRESSURE (PSI) TUBING CASING CUSTOMER Shakespeare OI WELL NO. JOB TYPE Surface Pipe 1-30 RATE (BPM) VOLUME (BBL) (GAL) PUMPS DESCRIPTION OF OPERATION AND MATERIALS CHART TIME NO. TC On Location 858" 2316/ff 1300 RTD: 266' Start 878" Casing in hole 1330 14 aŭ Break Circulation 250 Pump 5 bb/ HaO Spacer 31/2 1430 5 Mix 175 sks of Standard CMT W/ 2% gel 3% CC @14.7pg 1436 41/2 43 AD レ 250 Start Displacement 250 - Circulate CMT to Surface 3% \mathcal{D} 1450 31/2 Ю 300 KO Pump & Shut in the \mathcal{D} 16/3 1500 Release Pressure Wash up Trk #112 1515 Job Complete 175 sks of Standard 21.gel 3% CCused # 15 sks to the Pit # Thank You Gideon, Preston, Kirly



BILL TO

Shakespeare Oil Company, Inc 202 West Main Street Salem, IL 62881

- Acidizing
- Cement
- Tool Rental

TERMS	Well No	o. Lease	County	Contractor	We	I Туре	We	ell Category	Job Purpose	e Operator
Net 30	#1-30	CL Community	Scott	Southwind Rig #8		Oil	D	evelopment	РТА	Blaine
PRICE	REF.		DESCRIPT	ION		QTY	(UM	UNIT PRICE	AMOUNT
575D 576D-P 328-4 276 290 581D 583D		Mileage - 1 Way Pump Charge - PTA 60/40 Pozmix (4% G Flocele Plue D-Air Plue Service Charge Ceme Drayage Subtotal Sales Tax Scott Cour	coing ent	IN	T		1 300 75 2 300	Miles Job Sacks Lb(s) Gallon(s) Sacks Ton Miles	5.00 925.00 11.00 3.00 42.00 1.85 0.95 8.50%	350.00 925.00 3,300.00T 225.00T 84.00T 555.00 834.91 6,273.91 306.77
			502	-17				RC	CEIVC JL 2 7 2019	
						2				
We A	ppre	ciate Your	Busines	is!				Tota	I	\$6,580.68
						1	2			De

SWIFT	CHARGE TO:	ITO: Shallos lease			тіскет 032298	52298
	ADDRESS	SS				ч.,, ,
Services, Inc.	CITY, ST	CITY, STATE, ZIP CODE			PAGE	OF Ĵ
SERVICE LOCATIONS LA	CT NQ20	LEASE (MAN INI M. 1 COUNTYPARIEH	STATE CITY STAT	Citar	DATE DATE ON 19 ON	OWNER
. 0	TICKET TYPE CONTRACTOR CONTRACTOR SALES	U RIG NAME	SHIPPED DELIVERED TO	0	ORDER NO.	
ю́ 4	1.0	UOB PURPOSE AM	MELL		WELL LOCATION	- 35
REFERRAL LOCATION	INVOICE INSTRUCTIONS					
PRICE SECONDARY REFERENCE/ REFERENCE PART NUMBER	ACCOUNTING LOC ACCT	DESCRIPTION	QTY. U/M	ατγ. U/M	UNIT PRICE	AMOUN
625		MILEAGE TOXING	in al		5100	35000
5767	~	PUND Charge P	PTA 1 04	_	9250	92500
326-4		60/40 POZ WX (40/00/1)	300 50		0110	33000
395 276		Florelle "	dirzr		a the	22500
290	V	DAR	2 ad	_	4200	Sel 00
381	-	Service marge	300 °sk	_	185	555100
583	1	Dayage	3540 16	878.451 TW	0 25	834 91
		20	12			
				_	ain. Nai	
			_	_		
				2 2 7		
						5
LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include	 acknowledges and agrees to arse side hereof which include 	REMIT PAYMENT TO:	SURVEY AGREE OUR EQUIPMENT PERFORMED	UNDECIDED DISAGREE	E PAGE TOTAL	13 1E2 87
but are not limited to, PAYMENT, RELEASE, INDEMNITY, and	RELEASE, INDEMNITY, and		WE UNDERSTOOD AND MET YOUR NEEDS?	i (je	A.V.	
LIMITED WARKANTY PROVISIONS.	6.	SWIFT SERVICES, INC.	OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.	IER'S AGENT PRIOR TO	P.O. BOX 466 NESS CITY, KS 67560	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?		Bart	3010/11
DAFE SIGNED	TIME SIGNED	785-798-2300	ARE YOU SATISFIED WITH OUR SERVICE?	9 2	TOTAL	10010
			CUSTOMER DID NOT WISH TO RESPOND	SH TO RESPOND	ICIAL	80/0869
CUSTOME	R ACCEPTANCE OF MATERIA	CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket	rledges receipt of the materials a	and services liste	ed on this ticket.	
SWIFT OPERATOR	WC MAP	APPROVAL	R. H. R.		L	Thank You!
	~~~~ () ~					

i.

DATE 22 Jul 19 1 TICKET NO. 32298 PAGE NO. SWIFT Services. Inc. JOB LOG 👒 CUSTOMER Shakespenre LEASE CL Community JOB TYPE & Alandon WELL NO. - 30 PUMPS PRESSURE (PSI) JBING CASING RATE (BPM) VOLUME (BBL) (GAL) DESCRIPTION OF OPERATION AND MATERIALS CHART TIME TUBING NO. C Т 3005k 60/40 poz mix (4% gel) 6/14 + Alale 4/2 drillpipe 2325 505k 805k 1570' 750 505k 50 st. RH30 MH 20 300 205k 60 onles TRK 114 0230 hole w/ mud - pipe to 2325 32 - Displace w/ and to 1570' 13 100 0310 Pull 32 - m) r 805 \$105 - Pisterer of Hed 160 21 JET 0435 0450 3£ Diplace (160 Za 13 2ČÔ 32 0500 13 300 100 to DSE ifth Ŵ Pull to 60  $\mathfrak{D}$ Oless đ 5# Ъ Coll 6625 0655 ß 87 -₹Å. 1645 1 **e** ș

0ROP15			0				Hot-	Wire				100
			_									
			ТМОС	) UP 34	197 TC	3526						
0 <b>ROP</b> 15	3600	LS: It gray; vf-xtal; sli. granular; no visible porosity;	0				Hot-	Wire				100
		N.S.										
		Shale: green, gray;										
		LS: It gray; vf-xtal; chalky; poor apparent por.; N.S.										
		LS: as above;										
		LS: It gray; vf-xtal; chalky in part; poor apparent		-								
	3650	porosity; N.S.	_									
			_									
			_									
			_									
		LS: It gray to grayish-brown; vf-xtal; dense; chalky in part; no visible porosity; N.S.										
		LS: It gray to grayish-brn; vf-xtal; sli. granular; no visible porosity; N.S.										
		LS: grayish-brown; vf-xtal; platey; no visible										
	3700	porosity; N.S.	F									
		LS: It brown to grayish brn; vf-xtal; sli. gran; poor										
		porosity; N.S.	E									
			E									
		LS: as above but seemingly more shaley; N.S.										
		LS: It grayish brn mixed w/dk gray; vf-xtal; sli. fos;										
		shaley; peletal in part; no visible porosity; N.S.										
2	3750	LS: It-md brown; vf-xtal; sli. fos; minor soft chalk;										
	ŝ	poor apparent porosity; N.S.										
		I St. aa ahaya										
		LS: as above.										
		Shale: black; 3790. LS: It grayish brown; vf-xtal; dense; N.S.										
2		Shale: green to gray; calcareous in part;										
	3800	LS: It brown to gray, apears mottled; vf-xtal; no visible					11.4	Alina				100
0 ROP 15	°	porosity; N.S.					Hot-	wire				
		LS: It brown; vf-xtal; sli. chalky; trc chert; no visible porosity; N.S.										
		LS: It-md brown; vf-xtal; fos-frag; sli. chalky; poor	E									
		int-frag porosity; N.S.										
		LS: It grayish brown; mic-vf xtal; dense, platey; no	E	E	E							
	3850	visible porosity; N.S.	$\models$									
	ň											
		LS: It grayish brown; vf-xtal; dense; sli. fos; trc chert; no visible porosity; N.S.										
		LS: grayish brown; vf-xtal; chalky in part; fos- frag; tight int frag porosity; N.S.	E									
		again and percenty, no.										
		I Starguigh hrown widt hun abelew storeter er i										
GEOLOGRAPH STOPPED		LS: grayish brown w/dk brn shaley streaks and specks; poor apparent porosity; N.S.										
MARKING FOOTAGE												
		Shale: black; lignitic; 3910.		-								
	3900	LS: grayish-brn; vf-xtal; dense; N.S.										
	Ř	Shale: gray, green;										
		LS: off white; mic-vf xtal; includes white opaq. chert; sli. chalky; no visible porosity; N.S.										
3920-0		Sin onany, no visible polosity, N.S.	PER	FORM	35 ST		WIPEF	TRIP	AT 39	20.		
		LS: off white; vf-xtal; cherty as above; tight pin-point vug & int xtal porosity; N.S.	F									
			-MUC	-co: :	3942: V	VIS 53	, wt a	3.9, FIL	6.4, 0	CHL 2	(	
	950											
	39	LS: It brown; vf xtal; trc spar; scattered vug porosity; N.S. 3970.	F									
		LS: md-brown; vf-xtal; dense, platey; trc is peletal; no										
		visible porosity; N.S., 3980.	L		L	L			I		_	<u> </u>

			visible porosity; N.S., 3980.										
	•	I	LS: v-lt brown; mic-vf xtal; sli. oolitic; sli. chalky; trc pin- point vug w/ dk-brn speckled stain; no visible oil; 4000.										
Ž			LS: It brown; mic-vf xtal; dense to chalky in part; poor apparent porosity; N.S.	, 									
0 ROP 15		4000	LS: as above.	0				Hot-	Wire				100
			LS: It-md brown; vf-xtal; trc vug porosity; N.S.										
			LS: It-md brown; vf-xtal; dense, platey; trc chert; no visible porosity; N.S.										
	•		LS: It brown; vf-xtal; trc vug porosity w/ dark spotted stains; no visible oil; v-weak fluor. at best; <1% 4060.										
£.	•	4050	LS: trc shows as above thru to 4080 sample.	, ,									
G G		ŕ	LS: md brown; vf-xtal; medium oolite w/good oomoldic porosity; N.S., 4080.										
			LS: It brown to gray; mic-vf xtal; dense to chalky in part; no visible porosity; N.S.	· ·									
			LS: as above;										
		4100	LS: It gray to brown; vf-xtal; mostly dense; trc shell frags; no visible porosity; N.S.										
		41	MUNCIE CREEK 4111 (-1180)										
			Shale: black; lignitic; 4130. LS: md-dk grayish-brn; vf-xtal; dense; trc chert; sli. fos; no visible porosity; N.S.										
4133 💿			LS: It brown; vf-xtal; dense, platey; sli. fos; oolitic in part; poor apparent porosity; N.S.										
			Shale: gray; calcareous; fos; LS: It-md grayish brown; vf-xtal; dense, platey; no visible porosity; N.S.										
		4150	Shale: dk gray; LS: grayish-brn; vf xtal; dense; N.S.										
			Shale: green, gray; LS: md-dk grayish-brown; vf-xtal; mostly dense,										
4175 0			platey; trc chalk; no visible porosity; N.S.										
			LS: It brown; vf-xtal; medium oolite w/poor to fair barren oomoldic porosity w/ scattered pin- point vugs w/block stain 8, VSSQ: no fluor: _19/ 4190 30 8 60										
			w/black stain & VSSO; no fluor; <1% 4190 30 & 60 min. LS: It gray; vf-xtal; dense; sli. fos; no visible										
0 ROP 15		4200	porosity; N.S.	0				Hot-	Wire				100
			STARK SH 4211 (-1280) Shale: black; lignitic; trc 4220 Shale: green; marly;										
4227			LS: gray to brown; vf-xtal; dense to chalky in part; sli. oolitic; poor oomoldic porosity; N.S.										
			LS: It gray; vf-xtal; dense to chalky in part; includes opaq. chert; poor apparent porosity; N.S.							_			
		4250	LS: grayish brown; vf-xtal; dense, platey; mixed with soft white chalk; poor apparent porosity; N.S.										
HUSH		4	Shale: black; lignitic; trc 4270.										
			LS: grayish-brown; vf-xtal; mostly dense; chalky in part; trc is peletal; poor apparent porosity; N.S.										
4279			LS: It grayish-brn; vf-xtal; dense; includes flakey,										
			mottled, semi-translucent cherts; no visible porosity; N.S.	MUC	-CO: 4	4286:	VIS 57	7, WT 9	9.0, FIL	. 7.2, 0	CHL 2k		
5		4300	Shale: gray; LS: It-md grayish brown; vf-xtal; dense; N.S.										
			SiltSt: green; calcareous in part; trc 4320, incr 4330.	DS ⁻ DS ⁻	Γ #1: DW D	MAR	MAT 30-30	ON: 0-30-:	4294 30; 5	-4400 ' MUI	(106 D; SI	'): W P:	/K –
			LS: It-md brown; vf-xtal; dense, platey; chalky in part; no visible porosity; N.S.		-115;								
- S			Shale: maroon;										
Ž			LS: It-md brown; vf-xtal; no visible porosity; N.S. LS: greenish-gray; vf-xtal; silty; no visible porosity;										
4356		4350	N.S.										
$\mathbf{z}$													
4378 0	•		LS: It-md brown; vf-xtal; trc fine vug porosity w/pin-point stain & VSSO; no fluor; < 1% 4378-30 min.										
$\mathbf{z}$	•	1	LS: It brown; vf-xtal; mostly dense; sli chalky; minor opaq. chert; trc v-fine vug porosity w/speckled dk										
		4400	stain, 1 chip 4400.	-MUC 0	-CO: 4	1400: \	/IS 63	, WT 9 Hot-		8.0, C	HL 4k		100
5			LS: It brown; vf-xtal; dense to chalky in part; trc pyritic; sli. fos; no visible porosity; N.S.										
2			Shale: black; lignitic; many chips 4430. LS: md-dk gray; vf-xtal; dense; N.S. Shale: green;										
7			LS: It grayish-brn; mic-vf xtal; dense w/soft chalk portions; no visible porosity; N.S.										
<u>}</u>			LS: It grayish-brn; mic-vf xtal; includes semi- trans chert; sli. chalky; no visible porosity; N.S.										
		4450	Shale: dk gray to black; LS: dk grayish brn; vf-xtal; dense; cherty; N.S.										
			LS: It-md brown; vf-xtal; mostly dense; some soft chalk; no visible porosity; N.S.										
			FT. SCOTT 4469 (-1538) LS: md -dk grayish brn; vfx-tal; sli. oolitic in part; mostly dense; no visible porosity; N.S.										
	•		LS: dk grayish-brown; oolitic in part; mostly dense but w/inter granular portions w/ VSSO. <<1% 4500.										
		0	LS: md-dk gray to brown; vf-xtal; dense; no visble porosity; N.S.							-			
		4500	CHER. SH 4499 (-1568) LS: It-md grayish-brn; vf-xtal; chalky in part; poor apparent porosity; N.S.										
			LS: as above.										
			LS: It brown, md-dk grayish brn; vf-xtal; mostly dense; no visible porosity; N.S.				_						
			LS: It brown to grayish-brn; mic-vf xtal; chalky in part; no visible porosity; N.S.										
		4550	LS: It grayish brown; vf-xtal; includes minor smokey chert; mostly dense; no visible porosity; N.S.										
	++++++++++++++++++++++++++++++++++++++		LS: It-dk grays & browns; vf-xtal; fine sulfides; various chert; traces dk brn speckled stains, some will cut: no visible oil, v-noor dry stains <-1% 4570										
4570-0			cut; no visible oil, v-poor dry stains <<1% 4570. LS: gray; vf-f xtal; granular; very tight int gran.										
			porosity w/black speckled stains; no visible oil; < 1% 4590. Shale: maroon; 4600.										
			Shale: maroon; 4600. LS: gray to brown; vf-xtal; mostly dense, platey; some is granular as above but no show;										
0 <b>8</b> ROP 115		4600	Shale: black; mixed w/ black lime; 4620 stop.	0				Hot-	Wire				100
			SiltSt: white; tight int grain porosity; N.S.; along with some sandy lime; trace 4620-60 min. thru 4635-stop.										
			SandSt: white; fine sub-rounded quartz which is calcite cemented; probably v-tight int grain porosity; N.S., 4635-30 min.										
4635			N.S., 4635-30 min. Shale: green, gray, maroon; coarse sulfides;							_			
ST. GEN		4650	SandSt: white; f-m grained; calcitic; tight int grain porosity; N.S.										
		4	MISSISSIPPI 4651 (-1720) LS: white to v-lt brown; vf-xtal; sandy textured; chalky; no visible porosity; N.S., 4670.										
			LS: as above w/much pyritic, green, gray &maroon shales; N.S.										
			LS: It brown; vf-xtal; dense to chalky in part; few if any grains; no visible porosity; N.S.; shales as above.										
			LS: as above.										
		4700	LS: It brown to tan; vf-xtal; sandy textured in part; no visible porosity; N.S.										
			LS: as above.										
		1	· · · · ·	· —	. —				, —		-	+	

		_	<u> </u>			$\vdash$	<u> </u>	
4725 📀	ROTARY TOTAL DEPTH 4725 (-1794)							
	NOTANT TOTAL DEPTH 4723 (-1794)							
RTD 11:23 AM,								
07/21/2019								



## DRILL STEM TEST REPORT

## Prepared For: Shakespeare Oil Co

202 W. Main Salem, IL 62881

ATTN: Vern Schrag

## C.L. Community #1-30

### 30-16S-32W Scott,KS

 Start Date:
 2019.07.19 @ 23:33:00

 End Date:
 2019.07.20 @ 05:34:50

 Job Ticket #:
 64363
 DST #:
 1

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.07.22 @ 13:29:18

	DRILL STEM TES		ORT				
	Shakespeare Oil Co		30-	16S-32V	V Scott	,KS	
ESTING , #	C. 202 W. Main Salem, IL 62881			Comm	-		
				Ticket: 64		DST	
	ATTN: Vern Schrag		Tes	i Start. 20	19.07.19	@ 23:33:0	0
GENERAL INFORMATION:							
Formation:MarmatonDeviated:NoWhipstockTime Tool Opened:01:41:50Time Test Ended:05:34:50	: ft (KB)		Test Test Unit	ter: I	Conventic Martine S 82		Hole (Initial)
Total Depth: 4400.00 ft (KB)	<b>4400.00 ft (KB) (TVD)</b> (TVD) łole Condition: Good		Refe	erence Ele KB t	evations: o GR/CF:	2921.	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 8734         Outside           Press@RunDepth:         28.67 ps           Start Date:         2019.07.1           Start Time:         23:33:0	9 End Date:	2019.07.20 05:34:50	Capacity Last Calil Time On Time Off	o.: Btm: 2		8000. 2019.07. 20 @ 01:40: 20 @ 03:44:	40
TEST COMMENT: 30-IF-Surface 30-ISI-No blov 30-FF-No blov 30-FSI-No blov	/ back v	1					
Pressure v 8734 Pressure	rs. Time 734 Tempendure	Time	PF Pressure		RE SUM		
2250	115	(Min.)	(psig)	Temp (deg F)			
2000		0	2157.40 28.14	113.12 112.60	-	dro-static Flow (1)	
1730		35	29.09	113.04	Shut-In(	1)	
		62 62	131.34 29.37		End Shu Open To	ut-In(1) 5 Flow (2)	
		93	28.67	114.09	-		
79		124 124	114.84 2115.80	114.63 115.45		ut-In(2) dro-static	
20 Sad 20 Sad 1.11 2019 Time (*	34M Jus)						
Recove	у		·	Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (i	nches) Pre	essure (psig)	Gas Rate (Mcf/d)
5.00 100% Mud	0.07				-		
Trilobite Testing, Inc	Ref. No: 64363				0040.07	22 @ 13:29	

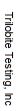
	DRILL STEM TES	T REP	ORT			
RILOBITE	Shakespeare Oil Co		30-16S-32	2W Scott,	(S	
ESTING, INC.	202 W. Main Salem, IL 62881			imunity #1	-30	
			Job Ticket:		DST;	
	ATTN: Vern Schrag		Test Start:	2019.07.19 (	@ 23:33:00	)
GENERAL INFORMATION:						
Formation:MarmatonDeviated:NoWhipstock:Time Tool Opened:01:41:50Time Test Ended:05:34:50	ft (KB)		Test Type: Tester: Unit No:	Conventior Martine Sal 82		Hole (Initial)
Interval:4294.00 ft (KB) To440Total Depth:4400.00 ft (KB) (TVHole Diameter:7.88 inches Hole			Reference KI	Elevations: B to GR/CF:	2921.0	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 8959InsidePress@RunDepth:psigStart Date:2019.07.19Start Time:23:33:01	@ 4295.00 ft (KB) End Date: End Time:	2019.07.20 05:34:50	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.0 2019.07.2	00 psig 20
TEST COMMENT: 30-IF-Surface blo 30-ISI-No blow ba 30-FF-No blow 30-FSI-No blow b	ack pack me	1	PRESSU	JRE SUMM	/ARY	
Z20	115	Time (Min.)	Pressure Temp (psig) (deg F		ion	
2000 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759 1759		((())))				
Recovery			G	Sas Rates		
Length (ft)         Description           5.00         100% Mud	Volume (bbl) 0.07		Chok	e (inches) Press	sure (psig)	Gas Rate (Mcf/d)

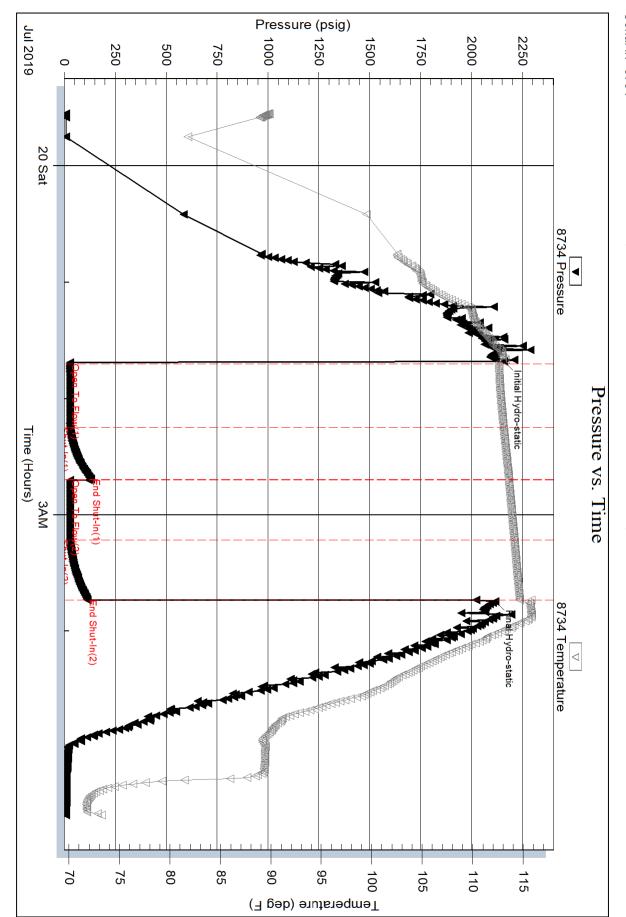
Lesting         Lesting         Main         Salem, L. 62881         C. L. Community #1-30           ATTN:         Vern Schrag         C. L. Community #1-30         Job Ticket: 64363         DST#: 1           Tool Information         ATTN:         Vern Schrag         Test Start: 2019.07.19 @ 22.33.00           Drill Pipe:         Length:         4290.00 ft         Dameter:         3.80 inches Volume:         0.00 bbl         Weight set on Packer: 2500.00 lb           Drill Pipe:         Length:         0.00 ft         Dameter:         2.75 inches Volume:         0.00 bbl         Weight set on Packer: 2500.00 lb           Drill Pipe Above KB:         24.00 ft         Dameter:         2.25 inches Volume:         0.00 bbl         Weight to Pill Loose: 55000.00 lb           Diph to Top Packer:         4294.00 ft         Dameter:         6.75 inches         Tool Chaget         5000.00 lb           Diph to Storp Packer:         134.00 ft         Tool Chaget         Final         50000.00 lb           Shut h Tool         5.00         1113         4276.00         28.00         Packer           Tool Comments:         2         Dameter:         6.75 inches         28.00         Packer           Shut h Tool         5.00         01-07         4281.00         Packer         Packer		OBITE	Shakes	peare Oil Co			30-16S-32W Scot	H K S
Los III multiple         Job Transition           Job Tocket: 64363         DST#:1           ATTN: Vern Schrag         Test Start: 2019.07.19 @ 23.33.00           Tool Information         Diff Pipe: Length: 4290.00 ft         Dameter: 2.75 inches Volume: 0.00 bbl         Weight set on Packer: 2500.00 lb           Field Pipe: Length: 0.00 ft         Dameter: 2.75 inches Volume: 0.00 bbl         Weight to Pall Lose: 55000.00 lb         Weight to Pall Lose: 55000.00 lb           Juil Pipe: Length: 0.00 ft         Dameter: 2.25 inches Volume: 0.00 bbl         Weight to Pall Lose: 55000.00 lb         Tool Concerts 0.00 bl           Juil Pipe Above KB: 24.00 ft         Tool Volume: 0.01 bbl         Weight to Pall Lose: 55000.00 lb         Tool Coll Concerts 0.00 bl         Tool Coll Coased 0.00 ft           Split to Date Packer: 4294.00 ft         Total Volume: 0.01 bbl         Tool Chased 0.00 ft         String Weight: Initial 50000.00 lb           Split to Palcker:         134.00 ft         Total Volume: 0.14 bbl         Tool Chased 0.00 ft           Jumber of Packers:         2         Dameter: 6.75 inches         String Weight: Initial 50000.00 lb           Fool Length:         134.00 ft         Autor of Packers: 106.00 ft         String Weight: Autor of Packer           Shut h Tool         5.00         1113         4276.00         Packer           Shut h Tool         5.00         428		- CTING ING					30-103-3244 3001	и, ко
ATTN:         Vern Schrag         Job Itexe:         64363         US IF: 1           ATTN:         Vern Schrag         Test Star:         2019.07.19 @ 23.33.00           Dol Information         Job Information         Test Star:         2019.07.19 @ 23.33.00           Dill Ppe:         Length:         4290.00 ft         Diameter:         3.80 inches Volume:         0.00 bbl         Weight store         2500.00 lb           Dill Obler:         Length:         0.00 ft         Diameter:         2.25 inches Volume:         0.00 bbl         Weight to Pul Loose:         50000.00 lb           Dill Ppe Above KB:         24.00 ft         Total Volume:         60.18 bbl         Tool Chased         0.00 01 lb           Diel IPpe Above KB:         24.00 ft         Total Volume:         60.18 bbl         Tool Chased         0.00 01 lb           Diel Packer:         4294.00 ft         Total Volume:         60.18 bbl         Tool Chased         0.00 01 lb           String Weight:         Initial         5000.00 lb         Total Volume:         60.18 bbl         String Weight:         Initial           Stub To Top Packer:         134.00 ft         Total Volume:         6.75 inches         Final         50000.00 lb           Start In Tool         5.00         11113         4276.00<		orma, inc	202 VV.				C.L. Community	#1-30
Tool Information         Length:         4290.00 ft         Diameter:         3.80 inches Volume:         60.18 bbl         Tool Weight:         250.00 lb           Drill Fipe:         Length:         0.00 ft         Diameter:         2.75 inches Volume:         0.00 bbl         Weight set on Packer:         2500.00 lb           Drill Collar:         Length:         0.00 ft         Diameter:         2.25 inches Volume:         0.00 bbl         Weight set on Packer:         2500.00 lb           Drill Pipe Above KB:         24.00 ft         Total Volume:         60.18 bbl         Tool Chased         0.00 ft           Depth to Top Packer:         4294.00 ft         Total Volume:         60.18 bbl         Tool Chased         0.00 ft           Depth to Bottom Packers:         106.00 ft         Total Volume:         60.18 bbl         String Weight:         String S0000.00 lb           Final         5000.00 ft         Total Volume:         60.18 bbl         String Weight:         String S0000.00 lb           Stute N Tool         5.00         1113         4271.00         4271.00           Hydraulic tool         5.00         1113         4284.00         4281.00           Packer         5.00         -001         4284.00         4280.00         4280.00           Packe			Salem,	L 62881			Job Ticket: 64363	DST#: 1
Dill Pipe:         Length:         4290.00 ft         Dameter:         3.80 inches Volume:         60.18 bbl         Tool Weight is an opacity of the standard is a standard is s			ATTN:	Vern Schra	g		Test Start: 2019.07.1	19 @ 23:33:00
Heavy Wt. Pipe:       Length:       0.00 ft       Diameter:       2.75 inches Volume:       0.00 bbl       Weight set on Packer:       25000.00 lb         Drill Collar:       Length:       0.00 ft       Dameter:       2.25 inches Volume:       0.00 bbl       Weight set on Packer:       25000.00 lb         Drill Pipe Above KB:       24.00 ft       Total Volume:       60.18 bbl       Weight set on Packer:       5000.00 lb         Drill Pipe Above KB:       24.00 ft       Total Volume:       60.18 bbl       Weight set on Packer:       5000.00 lb         Dept to Top Packer:       4294.00 ft       Total Volume:       60.18 bbl       Weight set on Packer:       5000.00 lb         Dept to Top Packer:       106.00 ft       Final       50000.00 lb       Final       50000.00 lb         Point Dept ft       Dameter:       6.75 inches       Exercite       Final       5000.00 lb         Shut In Tool       5.00       1113       4276.00       Exercite       E	Tool Information		•					
Drill Collar:         Length:         0.00 ft         Diameter:         2.25 inches Volume:         0.00 bbl         Weight to Pull Loose:         55000.00 lb           Drill Pipe Above KB:         24.00 ft         Total Volume:         60.18 bbl         Tool Chased         0.00 ft           Depth to Top Packer:         4294.00 ft         50000.00 lb         String Weight:         Initial         50000.00 lb           Depth to Bottom Packer:         ft         ft         50000.00 lb         String Weight:         Initial         50000.00 lb           Tool Length:         134.00 ft         Total Volume:         6.75 inches         String Weight:         String         String Weight:         Initial           Number of Packers:         2         Diameter:         6.75 inches         4271.00         4271.00           Hydraulic tool         5.00         1113         4276.00         4281.00         Packer           Safety Joint         3.00         -001         4281.00         Packer         500         4295.00           Packer         5.00         4295.00         4290.00         28.00         Bottom Of Top Packer           Stubb         1.00         4295.00         4295.00         Conder Group Conder         4295.00         Conder Group Conder <td< td=""><td>Drill Pipe: Leng</td><td>th: 4290.00 ft</td><td>Diameter:</td><td>3.80 ir</td><td>ches Volume:</td><td>60.18 bbl</td><td>Tool Weight:</td><td>2500.00 lb</td></td<>	Drill Pipe: Leng	th: 4290.00 ft	Diameter:	3.80 ir	ches Volume:	60.18 bbl	Tool Weight:	2500.00 lb
Total Volume:         60.18 bbl         Total Volume:         60.18 bbl         Total Ochased         0.00 ft           Depth to Top Packer:         4294.00 ft         String Weight:         Initial         50000.00 lb           Depth to Bottom Packer:         ft         Final         50000.00 lb         Final         50000.00 lb           Depth to Bottom Packer:         ft         Interval betw een Packers:         106.00 ft         String Weight:         Initial         50000.00 lb           Number of Packers:         2         Diameter:         6.75 inches         Ength (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Shut In Tool         5.00         1113         4276.00         Ength (ft)         Serial No.         Packer         Ength (ft)         Serial No.         Packer           Safety Joint         3.00         0.01         4281.00         Packer         Packer         5.00         Ength (ft)         Serial No.         Packer           Packer         5.00         0         4289.00         28.00         Bottom Of Top Packer           Packer         5.00         4299.00         28.00         Bottom Of Top Packer           Packer         5.00         4295.00         Ength (ft)         Se	Heavy Wt. Pipe: Leng	th: 0.00 ft	Diameter:	2.75 ir	iches Volume:	0.00 bbl	Weight set on Pac	ker: 25000.00 lb
Chill Pipe Above KB:       24.00 ft       String Weight:       Initial       50000.00 lb         Depth to Top Packer:       4294.00 ft       Final       50000.00 lb         Depth to Bottom Packer::       ft       Final       50000.00 lb         Tool Length:       134.00 ft       String Weight:       Initial       50000.00 lb         Wintber of Packers:       2       Diameter:       6.75 inches       6.75 inches         Tool Comments:       String Weight:       Marker       Accum. Lengths       Accum. Lengths         Shut In Tool       5.00       4271.00       4281.00       4281.00       4281.00       4281.00       4281.00       4281.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00       4280.00 <td>Drill Collar: Leng</td> <td>th: 0.00 ft</td> <td>Diameter:</td> <td>2.25 ir</td> <td>iches Volume:</td> <td>0.00 bbl</td> <td>Weight to Pull Loos</td> <td>se: 55000.00 lb</td>	Drill Collar: Leng	th: 0.00 ft	Diameter:	2.25 ir	iches Volume:	0.00 bbl	Weight to Pull Loos	se: 55000.00 lb
Depth to Top Packer:         4294.00 ft         Sturing Weight: Initial 50000.00 ib           Depth to Bottom Packer:         ft         Final 50000.00 ib           Depth to Bottom Packer:         ft         Final 50000.00 ib           Interval betw een Packers:         134.00 ft         Number of Packers:         2           Vander of Packers:         2         Diameter:         6.75 inches           Tool Description         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Shut In Tool         5.00         1113         4276.00         4271.00         4281.00         500         Battom Of Top Packer         Stubb         1.00         4289.00         28.00         Battom Of Top Packer           Packer         5.00         4295.00         4295.00         Battom Of Top Packer         Stubb         1.00         4295.00         Battom Of Top Packer         Stubb         1.00         4295.00         Battom Of Top Packer         Stubb         Stubb         1.00         4295.00         Stubb         Stubb         Stubb         Stub         <		0 4 00 ft			Total Volume:	60.18 bbl	Tool Chased	0.00 ft
Depth to Bottom Packer:         ft         Interval between Packers:         106.00 ft           Tool Length:         134.00 ft							String Weight: Initi	ial 50000.00 lb
Number of Packers:       106.00 ft         Yumber of Packers:       2       Diameter:       6.75 inches         Tool Description       Length (ft)       Serial No.       Position       Depth (ft)       Accum. Lengths         Tool Description       Length (ft)       Serial No.       Position       Depth (ft)       Accum. Lengths         Shut In Tool       5.00       1113       4276.00       4281.00       4289.00       28.00       Bottom Of Top Packer         Safety Joint       3.00       -001       4284.00       4289.00       28.00       Bottom Of Top Packer         Packer       5.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00       4295.00							Fin	al 50000.00 lb
Tool Length:         134.00 ft           Number of Packers:         2         Diameter:         6.75 inches           Tool Comments:	•							
Number of Packers:         2         Diameter:         6.75 inches           Tool Comments:         Tool Comments:         Comparison         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Shut In Tool         5.00         4271.00         4271.00         4271.00         4271.00         4271.00         4281.00         5.00         4271.00         5.00         4281.00         5.00         4281.00         5.00         4281.00         5.00         4281.00         5.00         4280.00         28.00         Bottom Of Top Packer         5.00         4289.00         28.00         Bottom Of Top Packer         5.00         4295.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00         5.00								
Tool Comments:         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Shut In Tool         5.00         4271.00         4271.00         4271.00           +ydraulic tool         5.00         01-07         4281.00         4271.00           Jars         5.00         01-07         4281.00         4280.00         4280.00           Packer         5.00         -001         4295.00         4290.00         4290.00         500           Packer         5.00         8959         Inside         4295.00         4295.00         4295.00           Recorder         0.00         8959         Inside         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00	•		Diamatan	6 7E in				
Tool Description         Length (ft)         Serial No.         Position         Depth (ft)         Accum. Lengths           Shut In Tool         5.00         4271.00		2	Diameter:	6.75 Ir	icnes			
Shut In Tool         5.00         4271.00           Hydraulic tool         5.00         1113         4276.00           Jars         5.00         01-07         4281.00           Safety Joint         3.00         -001         4284.00           Packer         5.00         4289.00         28.00         Bottom Of Top Packer           Packer         5.00         4295.00         28.00         Bottom Of Top Packer           Packer         5.00         4295.00         28.00         Bottom Of Top Packer           Packer         5.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4329.00         4329.00         4329.00         4330.00         4329.00         4394.00         4394.00         4394.00         4395.00         4400.00         106.00         Bottom Packers & Anchor           Bullnose         5.00         4400.00         106.00         Bottom Packers & Anchor         4400.00         106.00<								
Hydraulic tool       5.00       1113       4276.00         Jars       5.00       01-07       4281.00         Safety Joint       3.00       -001       4284.00         Packer       5.00       4289.00       28.00       Bottom Of Top Packer         Packer       5.00       4294.00       500       800       Bottom Of Top Packer         Stubb       1.00       4295.00       4295.00       800       800       800         Recorder       0.00       8959       Inside       4295.00       4295.00       4295.00       100       4329.00       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100 </th <th></th> <th></th> <th></th> <th>Original Ma</th> <th>Desition</th> <th>Danth (ff)</th> <th>A</th> <th></th>				Original Ma	Desition	Danth (ff)	A	
Jars       5.00       01-07       4281.00         Safety Joint       3.00       -001       4284.00         Packer       5.00       4289.00       28.00       Bottom Of Top Packer         Packer       5.00       4294.00       100       4295.00         Recorder       0.00       8959       Inside       4295.00       100         Perforations       34.00       4329.00       100       100       100         Drill Pipe       64.00       4394.00       106.00       Bottom Packers & Ancho         Change Over Sub       1.00       4395.00       106.00       Bottom Packers & Ancho		Le		Serial No.	Position		Accum. Lengths	
Packer         5.00         4289.00         28.00         Bottom Of Top Packer           Packer         5.00         4294.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4329.00         4329.00         4330.00         4330.00         4330.00         4330.00         4330.00         4394.00         4395.00         4400.00         400.00         106.00         Bottom Packers & Anchoo	Shut In Tool	Le	5.00		Position	4271.00	Accum. Lengths	
Packer         5.00         4289.00         28.00         Bottom Of Top Packer           Packer         5.00         4294.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4295.00         4329.00         4329.00         4330.00         4330.00         4330.00         4330.00         4330.00         4394.00         4395.00         4400.00         400.00         106.00         Bottom Packers & Anchoo	Shut In Tool Hydraulic tool	Le	5.00 5.00	1113	Position	4271.00 4276.00	Accum. Lengths	
Stubb         1.00         4295.00           Recorder         0.00         8959         Inside         4295.00           Recorder         0.00         8734         Outside         4295.00           Perforations         34.00         4329.00         4329.00           Change Over Sub         1.00         4330.00         4394.00           Drill Pipe         64.00         4395.00         4395.00           Bullnose         5.00         4400.00         106.00         Bottom Packers & Anchord	Shut In Tool Hydraulic tool Jars	Le	5.00 5.00 5.00	1113 01-07	Position	4271.00 4276.00 4281.00	Accum. Lengths	
Recorder         0.00         8959         Inside         4295.00           Recorder         0.00         8734         Outside         4295.00           Perforations         34.00         4329.00         4330.00           Change Over Sub         1.00         4330.00         4394.00           Drill Pipe         64.00         4395.00         4395.00           Ballnose         5.00         4400.00         106.00         Bottom Packers & Ancho	Shut In Tool Hydraulic tool Jars Safety Joint	Le	5.00 5.00 5.00 3.00	1113 01-07	Position	4271.00 4276.00 4281.00 4284.00		Bottom Of Top Packe
Recorder         0.00         8734         Outside         4295.00           Perforations         34.00         4329.00           Change Over Sub         1.00         4330.00           Drill Pipe         64.00         4394.00           Change Over Sub         1.00         4395.00           Bullnose         5.00         4400.00         106.00	Shut In Tool Hydraulic tool Jars Safety Joint Packer	Le	5.00 5.00 5.00 3.00 5.00	1113 01-07	Position	4271.00 4276.00 4281.00 4284.00 4289.00		Bottom Of Top Packe
Perforations         34.00         4329.00           Change Over Sub         1.00         4330.00           Drill Pipe         64.00         4394.00           Change Over Sub         1.00         4395.00           Bullnose         5.00         4400.00         106.00         Bottom Packers & Anchoord	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer	Le	5.00 5.00 5.00 3.00 5.00 5.00	1113 01-07	Position	4271.00 4276.00 4281.00 4284.00 4289.00 4294.00		Bottom Of Top Packe
Change Over Sub         1.00         4330.00           Drill Pipe         64.00         4394.00           Change Over Sub         1.00         4395.00           Bullnose         5.00         4400.00         106.00         Bottom Packers & Anchoord	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb	Le	5.00 5.00 5.00 3.00 5.00 5.00 1.00	1113 01-07 -001		4271.00 4276.00 4281.00 4284.00 4289.00 4294.00 4295.00		Bottom Of Top Packer
Drill Pipe         64.00         4394.00           Change Over Sub         1.00         4395.00           Bullnose         5.00         4400.00         106.00         Bottom Packers & Anchoord	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder	Le	5.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00	1113 01-07 -001 8959	Inside	4271.00 4276.00 4281.00 4284.00 4289.00 4294.00 4295.00 4295.00		Bottom Of Top Packer
Change Over Sub1.004395.00Bullnose5.004400.00106.00Bottom Packers & Anchor	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder	Le	5.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 0.00	1113 01-07 -001 8959	Inside	4271.00 4276.00 4281.00 4284.00 4289.00 4294.00 4295.00 4295.00 4295.00		Bottom Of Top Packe
Bullnose 5.00 4400.00 106.00 Bottom Packers & Ancho	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations	Le	5.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 0.00 34.00	1113 01-07 -001 8959	Inside	4271.00 4276.00 4281.00 4284.00 4289.00 4294.00 4295.00 4295.00 4295.00 4329.00		Bottom Of Top Packer
	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub	Le	5.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 0.00 34.00 1.00	1113 01-07 -001 8959	Inside	4271.00 4276.00 4281.00 4284.00 4289.00 4295.00 4295.00 4295.00 4295.00 4329.00 4330.00		Bottom Of Top Packe
Total Tool Length: 134.00	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe	Le	5.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 34.00 1.00 64.00	1113 01-07 -001 8959	Inside	4271.00 4276.00 4281.00 4284.00 4289.00 4294.00 4295.00 4295.00 4295.00 4329.00 4330.00 4394.00		Bottom Of Top Packe
	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Pipe Change Over Sub	Le	5.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 0.00 34.00 1.00 64.00 1.00	1113 01-07 -001 8959	Inside	4271.00 4276.00 4281.00 4284.00 4289.00 4294.00 4295.00 4295.00 4295.00 4329.00 4330.00 4394.00 4395.00	28.00	
	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Reforations Change Over Sub Drill Pipe Change Over Sub Bullnose		5.00 5.00 5.00 3.00 5.00 1.00 0.00 34.00 1.00 64.00 1.00 5.00	1113 01-07 -001 8959	Inside	4271.00 4276.00 4281.00 4284.00 4289.00 4294.00 4295.00 4295.00 4295.00 4329.00 4330.00 4394.00 4395.00	28.00	
	Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Reforations Change Over Sub Drill Pipe Change Over Sub Bullnose		5.00 5.00 5.00 3.00 5.00 1.00 0.00 34.00 1.00 64.00 1.00 5.00	1113 01-07 -001 8959	Inside	4271.00 4276.00 4281.00 4284.00 4289.00 4294.00 4295.00 4295.00 4295.00 4329.00 4330.00 4394.00 4395.00	28.00	Bottom Of Top Packer

Image: Status of Line Field F	#1-30 DST#: 1
Mud and Cushion Information     Cushion Type:     Gel Chem     Oil AF	DST#: 1
Mud and Cushion Information       Mud Type:       Gel Chem       Cushion Type:       Oil AF	
Mud Type: Gel Chem Cushion Type: Oil AF	
Mud Type: Gel Chem Cushion Type: Oil AF	
	deg A
	Salinity: ppm
/iscosity: 60.00 sec/qt Cushion Volume: bbl	
Vater Loss: 7.19 in ³ Gas Cushion Type:	
esistivity: ohm.m Gas Cushion Pressure: psig	
alinity: ppm	
ilter Cake: 1.00 inches	
Recovery Information Recovery Table	
Length Description Volume	
ft bbl	
Total Length: 5.00 ft Total Volume: 0.070 bbl	
Num Fluid Samples: 0     Num Gas Bombs: 0     Serial #:	
Laboratory Name: Laboratory Location:	
Recovery Comments:	
Tellshite Tarafara har Daf Na 2000 Dista di 0040	7.00 @ 40:00:40

Printed: 2019.07.22 @ 13:29:19

Ref. No: 64363





Serial #: 8734 Outside Shakespeare Oil Co

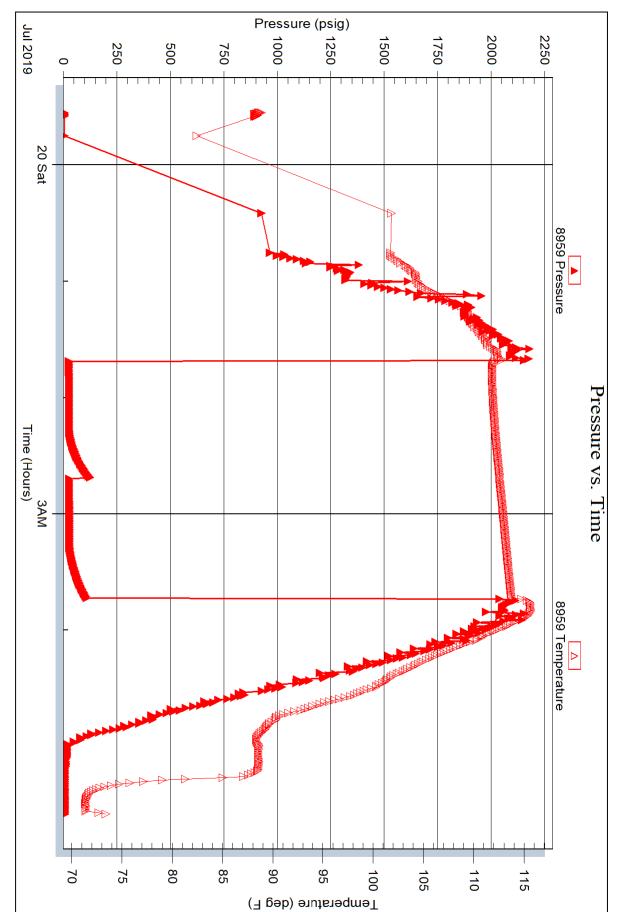
C.L. Community #1-30

DST Test Number: 1

Printed: 2019.07.22 @ 13:29:20

Ref. No: 64363





Serial #: 8959

Inside Shakespeare Oil Co

C.L. Community #1-30

DST Test Number: 1

RILOBITE			Test	t Ticket	
1515 Commerce Parkwa			NO.	64363	
Well Name & No. C. L. Community # company Shakespeare Oil Co In	C.,	Test No. $1$ Elevation $293$	37	 КВ <u>2921</u>	GL
Address 202 W. Main Salem	LL 62881		. 140	7	[
Co. Rep/Geo. Vern Schrag				State KS	
Interval Tested 4294-4400	Zone Tested Ma				
Anchor Length 106	Drill Pipe Run 42	90		Mud Wt. <u>9. /</u>	
Top Packer Depth 4289	Drill Collars Run	-		Vis <u>60</u>	
Bottom Packer Depth 4294	Wt. Pipe Run			WL 7.2	
Total Depth 4400	Chlorides 2500	ppm :	System	LCM 2#	
Blow Description IF . S. blow built to	1/4"				
ISI No blowback					
FF No blow					
FSI-NU blowback					
Rec_5 Feet of Mud		%gas	%oil	%water /02	) %mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total BHT _//5	Gravity AP	I RW@		F Chlorides	ppm
(A) Initial Hydrostatic 2157	Test_1300			ocation 23:00	107
(B) First Initial Flow	Jars 250		T-Star	ted 23:33	
(C) First Final Flow 29	Safety Joint 75		T-Ope	n_01:41	
(D) Initial Shut-In [3]	Circ Sub			ed 03:41	
(E) Second Initial Flow29	Hourly Standby		T-Out	05:35	
(F) Second Final Flow 29	Mileage 27RT		Comm	nents <u>Released</u> @ 07	05:30
(G) Final Shut-In // 5	G Sampler		7-	21-19	
(H) Final Hydrostatic 2116	G Straddle				
	Shale Packer			uined Shale Packer	
Initial Open _30	C Extra Packer			uined Packer	
Initial Shut-In 30	<ul> <li>Extra Packer</li> <li>Extra Recorder</li> </ul>			tra Copies	
Final Flow 30	Day Standby			otal <u>0</u> 1679	
Final Shut-In_30				1679	
	Accessibility Sub Total 1679		MP/D	ST Disc't	
Approved By / lun Jan 16	//	epresentative	6.	11-1	

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.