KOLAR Document ID: 1509267

Confidentiality Requested:

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 & LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	SecTwpS. R East West
Address 2:	Feet from North / South Line of Section
City:	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxxx)
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	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
<ul><li>☐ CM (Coal Bed Methane)</li><li>☐ Cathodic</li><li>☐ Other (Core, Expl., etc.):</li></ul>	Multiple Stage Cementing Collar Used?
	If yes, show depth set: Feet
If Workover/Re-entry: Old Well Info as follows:	
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)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	·
GSW	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 ☐ Drill Stem Tests Received										
Geologist Report / Mud Logs Received										
UIC Distribution										
ALT I II III Approved by: Date:										

KOLAR Document ID: 1509267

#### Page Two

Operator Name:					Lease Nam	ne:			Well #:		
Sec Tw	pS. F	R [	East	West	County:						
open and closed and flow rates if	, flowing and sh gas to surface t ty Log, Final Lo	nut-in pressurest, along wit	es, whe h final c ain Geo	ther shut-in pre hart(s). Attach physical Data a	essure reached extra sheet if r and Final Electr	station more : ric Loc	level, hydrosta space is needed	tic pressures, d.	bottom hole tempe	val tested, time tool erature, fluid recovery,  Digital electronic log	
Drill Stem Tests (Attach Addit			Ye	es No		Lo	og Formatio	n (Top), Deptl	n and Datum	Sample	
Samples Sent to	Geological Sur	vey	Ye	es 🗌 No		Name	)		Тор	Datum	
Cores Taken Electric Log Run Geologist Repor List All E. Logs F	t / Mud Logs		Y€  Y€	es No							
			Repo		RECORD [	Nev	w Used rmediate, producti	on. etc.			
Purpose of St		ze Hole Orilled	Siz	e Casing (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
				ADDITIONAL	OF MENTING /						
Purpose:	[	Depth	Typo	of Cement	# Sacks Use		EEZE RECORD	Typo a	nd Percent Additives		
Perforate Protect Ca Plug Back	Top	Bottom	туре	or cement	# Sacks Use	,u					
Plug Off Z											
Did you perform     Does the volum     Was the hydraul	e of the total base	fluid of the hyd	draulic fra	cturing treatmen		•	Yes ns? Yes	No (If No	, skip questions 2 an , skip question 3) , fill out Page Three o	,	
Date of first Produ	ction/Injection or	Resumed Produ	uction/	Producing Meth			Coolift 0	thor (Fundain)			
Estimated Produc	otion	Oil Bb	le.	Flowing Gas	Pumping  Mcf	Wate		ther <i>(Explain)</i> bls.	Gas-Oil Ratio	Gravity	
Per 24 Hours		Oli Bb	15.	Gas	IVICI	vvale	ı Di	JIS.	Gas-Oil Hallo	Gravity	
DISPO	OSITION OF GAS	S:		N	METHOD OF CO	MPLE.	TION:		PRODUCTIO	N INTERVAL:	
Vented	Sold Use	d on Lease		Open Hole		Dually		nmingled	Тор	Bottom	
(If vente	ed, Submit ACO-18	.)			(5	SUDITIIL I	ACO-5) (Subi	mit ACO-4)			
Shots Per Foot	Perforation Top	Perforation Bottom	on	Bridge Plug Type	Bridge Plug Set At		Acid,		Cementing Squeeze Kind of Material Used)	Record	
TUBING RECOR	D: Size:		Set At:		Packer At:						

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	HINES 27X
Doc ID	1509267

## All Electric Logs Run

Microlog
Neutron Density
Gamma Ray/Neutron
Resistivity

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	HINES 27X
Doc ID	1509267

## Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	20	260	Class A	250	3% CC, 2% gel
Production	7.875	5.5	14	3517	Lite (Lead), Class A (Tail)		1/4# floseal (Lead), 2% gel, 10% salt, 5# gilsonite (Tail)
Production	7.875	5.5	14	975	Lite	270	1/4# floseal
							_



PAGE	CUST NO	YARD #	INVOICE DATE								
1 of 1	1000335	1718	12/05/2019								
	INVOICE NUMBER										
93099307											

Pratt

(620) 672-1201

B BEREXCO LLC

2020 N BRAMBLEWOOD

~ WICHITA

KS US

67206

O ATTN:

VICKEY LOVETTE

LEASE NAME

Hines Unit 27X

LOCATION

COUNTY

Russell

STATE

0

KS

Т

JOB DESCRIPTION Cement-New Well Casing/Pi

JOB CONTACT

јов #	EQUIPMENT #	PURCHASE	ORDER NO.		TERMS	DUE DATE
41196924	19843				Net - 30 days	01/04/2020
			QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates	s: 12/04/2019 to	12/04/2019	:	14		
0041196924			-			
	•					
171818510A Cem	ent-New Well Casing/	Pi 12/04/2019	i constitution			
Cement Surface						
Class A Cement		. (	250.00	SK	7.75	1,937.50
Cement Gel			470.00	LB	0.13	61.10
Calcium Chloride			705.00	LB	0.25	176.25
Depth Charge, 0'-1			1.00	HR	300.00	300.0
Light Vehicle Milea	-		75.00	MI	1.25	93.7
Heavy Equipment N	∕lileage		150.00	MI	2.00	300.0
Ton Mileage			881.00	MI	0.75	660.7
Blending & Mixing	_		250.00	SK	0.35	87.5
Service Supervisor Driver Charge	Charge		1.00	EA	75.00	75.0
Driver Charge			3.00	EA	35.00	105.0
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BASIC ENERGY SERVICES, LP BASIC ENERGY SERVICES, LP PO BOX 841903 801 CHERRY ST, STE 2100 PALLAS, TX 75284-1903 FORT WORTH, TX 76102

SUB TOTAL

TAX

3,796.85 184.86

INVOICE TOTAL

3,981.71



10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

## FIELD SERVICE TICKET

1718 18510 A

Pi	ENERGY RESSURE PUMPIN		- //5 - /-			DATE	TICKET NO						
DATE OF 12/1	4/20190	ISTRICT Pr9++			OLD   F	ROD INJ	□WDW	□ Cl	JSTOMER RDER NO.:				
	perexec			LEASE Hines Unit WELL NO. 27)									
ADDRESS	· Valle Vagori			COUNTY RUSSell STATE /CS									
CITY		STATE	SERVICE CF	REW $\mathcal{D}$	acia E	Bress, I	2,19	Lu					
AUTHORIZED BY	<i>(</i>			JOB TYPE:	242	185/8	Surla	C C					
EQUIPMENT#		EQUIPMENT#	HRS E	QUIPMENT#	HRS	TRUCK CALL	LED	PAT	3 EM) //	ME (.C)			
19843	1/2					ARRIVED AT		12/4		.'3€			
19918	172					START OPER		12/1	F FIVI mapa	06			
		Anna an				FINISH OPE	RATION A	1 27 L	1	,30			
						RELEASED	/	-71	/ FIVI	.'00			
						MILES FROM	A STATION TO	WELL	<u>· // 5                                  </u>				
products and/or sur	oblies includes all	procedure this contract as an a of and only those terms and the written consent of an of	conditions appearing	on the front and bac	K OF THIS GO	IGNED:	ional or substitute	Ma	AACTOR OR A	GENT)			
ITEM/PRICE REF. NO.	M	IATERIAL, EQUIPMENT	AND SERVICES	USED	UNIT	QUANTITY	UNIT PRIC	E	\$ AMOUN				
BC100	C/955	A Cemen	fur-		SK	250		1	7,750				
EC 200		n-Gel			43	470		-	705	00			
CC109		m Chloria			LB	705		+	1:200				
Chal		Cherse C	1-110001		mI	75		+	375	00			
ME 102	med-	p Milegge Milegge			MI	150			1,200	) a			
tm	Ton m				MI	881			2,643	<i>(2</i> 0			
CE240	Blenzin	, demixing	Chrrse		SK	250		1	350	00)			
BE143	Superu	isor Cherse	-		1-/7			$\vdash$	105	00			
BE 144	Driver	Cherse			EM	123			- Shadad	State of Samuel			
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CHE	EMICAL / ACID DA	ATA:		SERVICE & EQUI	PMENT	%TA	X ON \$			+			
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			_			Dis	5 COUNTED	TAL	3,796	85			
							a.	"EN	)	 			

SERVICE REPRESENTATIVE Color

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY

(WELL-OWNER OPERATION CONTRACTOR OR AGENT)



## FIELD SERVICE TICKET

1718 10510 A

	ENERGY PRESSURE PUMPING		one 620-0	672-1201	84 F		DATE	TICKET NO.			<u>_</u>	
DATE OF JOB	4/20/20	ISTRICT POSS			NEW 🗵	OLD []	PROD []INJ	J WDW		USTOMER RDER NO.:	:	
CUSTOMER /			LEASE / 1 0 1 2 WELL NO. 2 7									
ADDRESS	*** *** ******************************	- gave per		COUNTY RUSSPILL STATE / 5								
CITY		STATE			SERVICE C	A CONTRACTOR OF THE PARTY OF TH	a l		Ď. s.	, see F		
AUTHORIZED B					JOB TYPE:	bush	7 5 3/3	· 50.1	<u> </u>	alt		
EQUIPMENT		EQUIPMENT#	HRS	EQU	JIPMENT#	HRS	TRUCK CAL		DAT	E AM	TIME	
17543	1/2						ARRIVED AT		12/	Janes Co.	11 (1)	
19918		52					START OPE	RATION	1 8 1	AM:	500	
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become a part of the ITEM/PRICE REF. NO.		the written consent of an of ATERIAL, EQUIPMENT				UNIT	GIGNED:(WELL OWN	ER, OPERATOR		\$ AMO	UNT	
BC/OO	C/955	A Comen	<u>}-</u>			5 K	250			7,75		
CCLOD	COME	n-Gel				1/15	4170			25.	5 00	
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661	NEPLA		1 1000	<u> </u>		11 14	1 20			1,20	10 00 15 00	
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					ΓERIALS			KON\$				
				L				K	OTAL ∰	3776	\$ \$10 P	



## TREATMENT REPORT

Customer Beceyco ILC Lease No.								Date	1	. <i>j</i> .	,						
Lease	nes o	ノカ	12		·   v	Vell#	27	\sp^*					12	2/4	120	49	
Field Order #	Statio	n "i	1	1 1/c				Casing	15/8	Depth	265	County	RL	155 011	·	State	185
Type Job	242	1	8-5/	s 5	00	Pace			For	mation	70-2	64		/S <i>S e) /</i> Legal De	scription	7-11.	5 - 15,
PIPE	DATA					DATA		FLUID					REA	ΓMENT F	RESUME	:	
Casing Size							SOUTH STREET, ST. A. L. S. WARRING				RATE	PRE	ss	ISIP			
Depth 265	Depth		From	m To Pre Pad				Pad			Max				5 Min.		
Volume /6,8	Volume		From		То		Pad				Min				10 Min.	Mary Committee of the C	
Max Press	Max Pres		From		То		Frac				Avg				15 Min.		
Well Connectio			From		То	Annual Control of the					HHP Used		***************************************		Annulus F	ressure	
Plug Depth	Packer D	epth	From		То		Flush Wgjer				Gas Volum	1	-/		Total Load		
Customer Rep	resentative	<u>Br</u>	98 J	991K	08	Station	Manaç	ger JUS.	tio 1	Nes	HOIME,	Treate	r $\mathcal{T}$	9900	1750	Klin	
Service Units	92911		982	198		8498	/ /	9918									
Driver Names	DGGIN Casing	Bi	<i>ਿੰਡਾ ਜ</i> ıbing	Bie	F J-	Di92	$z \mid I$	); & Z									
Time	Pressure	,,,	essure	Bbls.	Pum	ped	R	ate					Servic	ervice Log			
2:30pr								OY	72	QCGf	:00	15	Glery	me	et n	6	
									Jan C	£0€	3/C C)	K C1955 D Cement					
									5%	<u>505</u>	ilcium	um Chlouse, 2% Gel					
									14.8 PDS, 1,38 VO:12, 6,45 MS MS 10.								Jea ,
ge t					- 3			p <sup>†</sup>	7-7								
5.00 pm	200				V-077		<u> 6</u>				) 3 k						
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QUALIT		L CEMENTING, IN	Carrie
Phone 785-483-1071 Cell 785-324-1041		ox 32 Russell, KS 67665	M'867
Date 12-12-19 Sec.	Twp. Range	County State On Location	7:15 PM
115	Locati	ionGocham - IE, N to Curve, &	20, 3N, 14E
Lease Fires	Well No. 27X	Owner Cypto	
Contractor Beredco	#10	To Quality Ollwell Cementing, Inc. You are hereby requested to rent cementing equipmen	
Type Job Top Stage		cementer and helper to assist owner or contractor to de	o work as listed.
Hole Size	т.б. 3525	Charge Berexco LLC	
Csg. New 53" 14#	Depth 3515"	Street	<u> </u>
Tbg. Size	Depth	City State	
Tool D Tool	Depth 982'	The above was done to satisfaction and supervision of owner	agent or contractor.
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered 300 5X 1148 Co	ment
Meas Line	Displace 24 BLS	1/4 #	flo-seal
EQUIPM No Cementer	IENT OF 1	Common 5/80	
Pumptrk Helper De	wid Kill	Poz. Mix / 2 ()	
Bulktrk / No. Driver Driver	Le	Gel. /6	
Bulktrk No. Driver 75	ny	Calcium	.* .**
JOB SERVICES	& REMARKS	Hulls	
Remarks:		Salt	
Rat Hole		Flowseal 75#	
Mouse Hole OOM	pos/ D 800#	Kol-Seal	
Centralizers	, a ,	Mud CLR 48	31
Baskets		CFL-117 or CD110 CAF 38	ya 11 i
DN or Port Collar #62	982'	Sand	
Break Cicculati	on. Dlugg Rathole	Handling 3/6	B 8
W/ 30 sx Cement.	Shut down	Mileage	* * *
HOOK to 550 (	asing 6 max	FLOAT EQUIPMENT	
270 Sx Coment	Popur Lown	Guide Shoe	
Displaced oher	41124 BLS 1/20	Centralizer	
Repased +	held.	Baskets	
		AFU Inserts	
(0f) Dec.	ssure 400 #	Float Shoe	
Closed tou	a 1900 ±	Float Shoe Latch Down	
- CONTRACTOR OF THE PARTY OF TH			
Cement did	Circulate		
Piel Mi		Pumptrk Charge Oro Q. Starric TOD	Stage
- 11	L	Mileage 2.5	- 107
	1/n d	Tax	
Λ Λ.	111/	Discount	
X Signatury Suguro		Total Charge	10 T T T
W July		DEC 1 9 2019	

	L CEMENTING, INC.
and the second s	ox 32 Russell, KS 67665
Date 12-12-19   Sec. Twp. Range   Ru	State On Location 4:20 PM
Lease Hines Well No. 27 X	Owner 1/E N to Curve 1/200, 3NO Owner 1/4 E NAME To Quality Oilwell Cementing, Inc.
Contractor Berede #10  Type Job Bottom Stage	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Hole Size 7"/8" T.D. 3525 Csg. 5%" NRW 14# Depth 35151	Street Street
Tbg. Size Depth  Tool Depth Depth 982'	City State  The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. 74,87 Shoe Joint 84,87  Meas Line Displace 8514 1815	
Pumptrk 17 No. Cementer Helper Day & Rick	Poz. Mix 50
Bulktrk 3 No. Driver Dr	Gel. 7 Calcium
JOB SERVICES AREMARKS Remarks:	Hulls Salt / 7
Rat Hole  Mouse Hole	Flowseal Kol-Seal //25 #
Centralizers 5 off of float she 1-17,72 Baskets 61.64	Mud CLR 48
DN or Port Collar \$62 982	Sand Handling 3.80
Pump 125 3x 13te Cement + 225 xx Con. Cement, Shul down	Mileage FLOAT EQUIPMENT
wash pump + Pres Displaced	Guide Shóe Centralizer 19
held. Doop Dart	Baskets of Almit Cland
Litt Dressure & OD #.	Float Shoe  Latch Down
open tool 800 #	DU Tool w) latch Dun
Manks	Pumptrk Charge Prod String Stage  Mileage 25
	Tax Discount
Signatur M Suprement	DEC 1 9 2019 Total Charge



Berexco LLC

17-11s-15w Russell KS

2020 N Bramblew ood Wichita KS 67206+1094 HInes Unit #27X Job Ticket: 66368

DST#: 1

ATTN: Jerry Smith

Test Start: 2019.12.09 @ 12:50:00

### GENERAL INFORMATION:

Formation: LKC J

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial) Time Tool Opened: 16:07:17 Tester: Spencer J Staab

Time Test Ended: 20:55:02 Unit No: 84

Interval: 3168.00 ft (KB) To 3200.00 ft (KB) (TVD) Reference Elevations: 1876.00 ft (KB)

Total Depth: 3200.00 ft (KB) (TVD) 1869.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8372 Outside

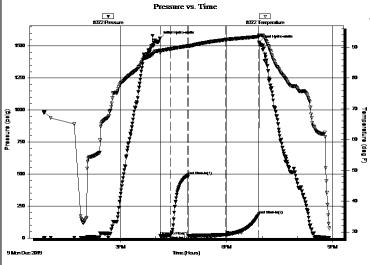
Press@RunDepth: 3169.00 ft (KB) Capacity: 26.17 psig @ psig

Start Date: 2019.12.09 End Date: 2019.12.09 Last Calib.: 2019.12.09 Start Time: 12:50:01 End Time: 2019.12.09 @ 16:07:02 20:55:02 Time On Btm:

Time Off Btm: 2019.12.09 @ 18:55:02

TEST COMMENT: 15-IF-Weak; Built to 1/4"

30-ISI-No Return 60-FF-Weak Surface 60-FSI-No Return



	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1559.66	89.04	Initial Hydro-static
	1	16.82	88.15	Open To Flow (1)
	18	18.39	89.49	Shut-In(1)
	47	489.71	90.39	End Shut-In(1)
	48	18.70	90.38	Open To Flow (2)
٠	112	26.17	92.53	Shut-In(2)
	168	184.57	93.54	End Shut-In(2)
'	168	1528.05	93.95	Final Hydro-static

Cac Datas

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100%M	0.05

Odo Natos		
Choke (inches)	Drocoure (poig)	Coo Roto (Mof/d)

Trilobite Testing, Inc. Ref. No: 66368 Printed: 2019.12.09 @ 21:35:32



Berexco LLC

17-11s-15w Russell KS

2020 N Bramblew ood Wichita KS 67206+1094 HInes Unit #27X

Job Ticket: 66368

DST#: 1

ATTN: Jerry Smith

Test Start: 2019.12.09 @ 12:50:00

### GENERAL INFORMATION:

Formation: LKC J

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial) Time Tool Opened: 16:07:17 Tester: Spencer J Staab

Time Test Ended: 20:55:02 Unit No: 84

Interval: 3168.00 ft (KB) To 3200.00 ft (KB) (TVD) Reference Elevations: 1876.00 ft (KB)

Total Depth: 3200.00 ft (KB) (TVD) 1869.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 6838 Inside

Press@RunDepth: 3169.00 ft (KB) Capacity: psig @ psig

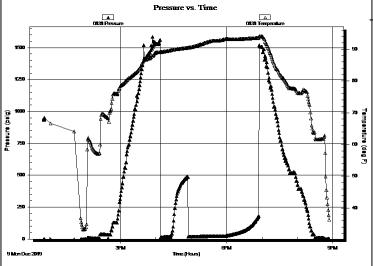
Start Date: 2019.12.09 End Date: 2019.12.09 Last Calib.: 2019.12.09

Start Time: 12:50:01 End Time: Time On Btm: 20:55:02

Time Off Btm:

TEST COMMENT: 15-IF-Weak; Built to 1/4"

30-ISI-No Return 60-FF-Weak Surface 60-FSI-No Return



PRESSURE S	SUMMARY
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Ī	Time	Pressure	Temp	Annotation
ı	(Min.)	(psig)	(deg F)	
ı				
₫				
pered				
Temperature (deg F)				
j				
1				
ı				

#### Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100%M	0.05

#### Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc. Ref. No: 66368 Printed: 2019.12.09 @ 21:35:32



**FLUID SUMMARY** 

Berexco LLC

17-11s-15w Russell KS

2020 N Bramblew ood Wichita KS 67206+1094 HInes Unit #27X

Job Ticket: 66368

Serial #:

DST#: 1

ATTN: Jerry Smith

Test Start: 2019.12.09 @ 12:50:00

**Mud and Cushion Information** 

Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Cushion Type: Cushion Length: ft Cushion Volume: bbl

Oil API: Water Salinity: deg API ppm

Viscosity: 54.00 sec/qt

Gas Cushion Type:

psig

Water Loss: 7.99 in<sup>3</sup> Resistivity: ohm.m

3000.00 ppm Filter Cake: inches

**Recovery Information** 

Salinity:

Recovery Table

Volume Description Length ft bbl 10.00 OSM 100%M 0.049

Gas Cushion Pressure:

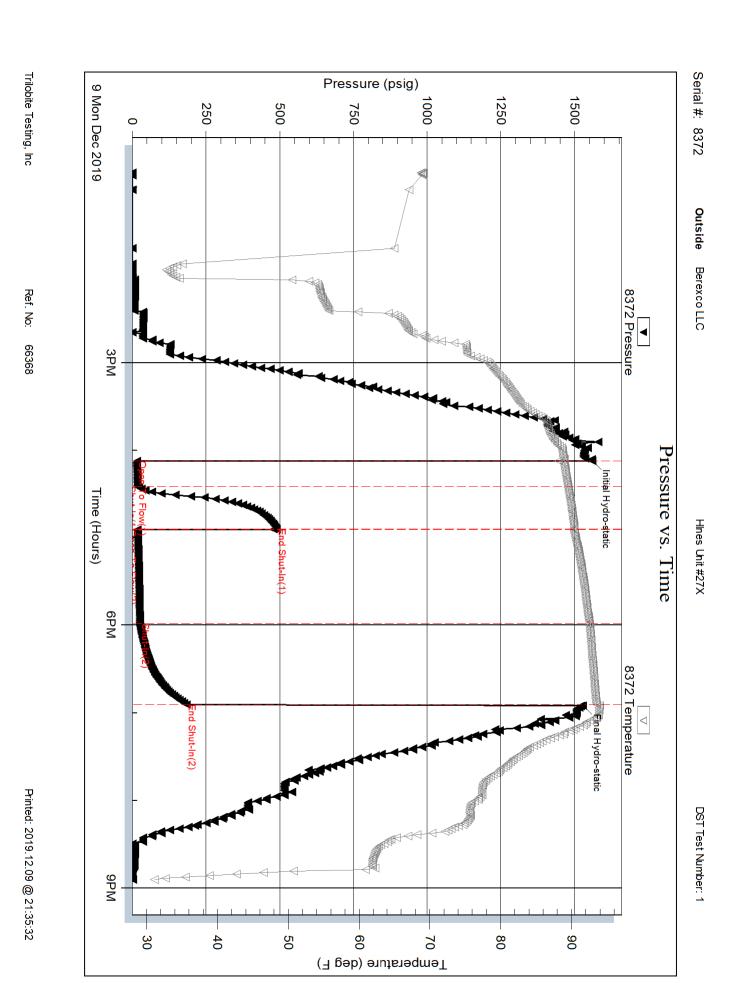
Total Length: 10.00 ft Total Volume: 0.049 bbl

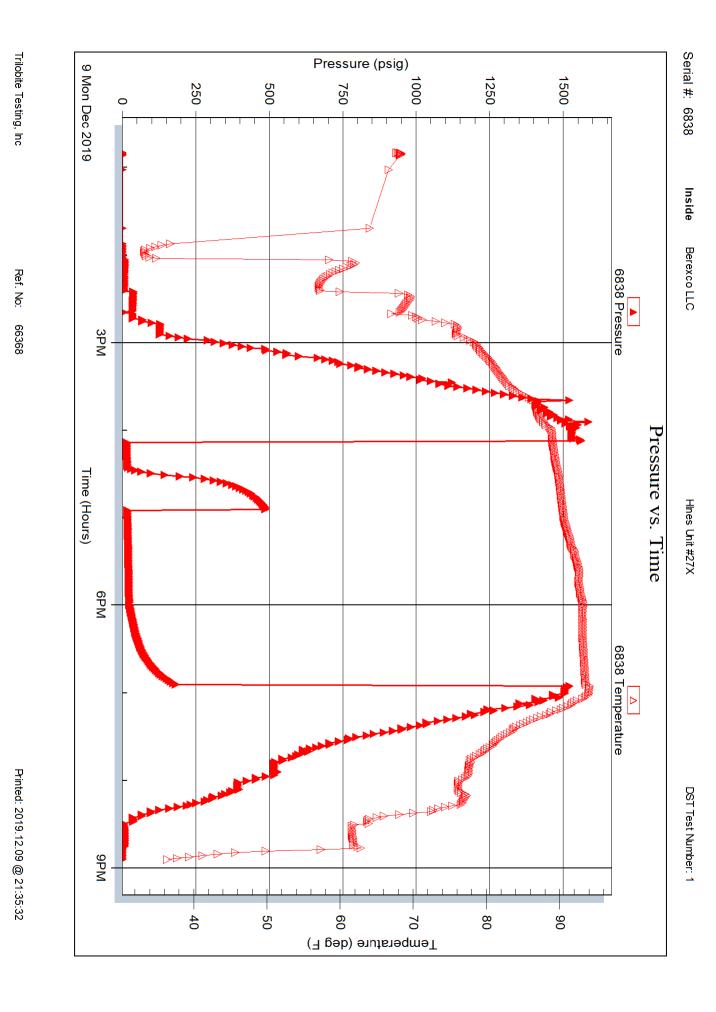
Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments: 2#LCM

Printed: 2019.12.09 @ 21:35:32 Trilobite Testing, Inc Ref. No: 66368







Berexco LLC

17-11s-15w Russell KS

2020 N Bramblew ood Wichita KS 67206+1094

ATTN: Jerry Smith

HInes Unit #27X

Job Ticket: 66369

Test Start: 2019.12.10 @ 17:15:00

DST#: 2

### GENERAL INFORMATION:

Formation: Cong. Ss

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Reset) No ft (KB)

Time Tool Opened: 20:14:02 Tester: Spencer J Staab Time Test Ended: 02:10:02 Unit No: 84

Interval:

3265.00 ft (KB) To 3340.00 ft (KB) (TVD) Reference Elevations: 1876.00 ft (KB)

Total Depth: 3340.00 ft (KB) (TVD) 1869.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8372 Inside

Press@RunDepth: 3268.00 ft (KB) Capacity: 206.58 psig @ psig

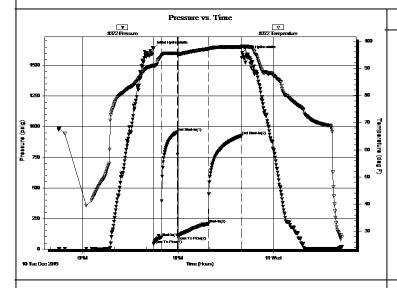
Start Date: 2019.12.10 End Date: 2019.12.11 Last Calib.: 2019.12.11 Start Time: 17:15:01 End Time: 2019.12.10 @ 20:13:47 02:10:02 Time On Btm:

> Time Off Btm: 2019.12.10 @ 23:01:17

TEST COMMENT: 15-IF-BOB 11 mins; Built to 14"

30-ISI-Very Weak Surface Blow 60-FF-BOB 17 mins: Built to 17"

60-FSI-No Return



## PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1639.20	91.01	Initial Hydro-static
1	40.23	90.78	Open To Flow (1)
16	97.52	94.66	Shut-In(1)
45	956.21	95.48	End Shut-In(1)
46	107.05	95.31	Open To Flow (2)
104	206.58	97.18	Shut-In(2)
167	926.83	97.87	End Shut-In(2)
168	1604.30	98.14	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)	
420.00	GMO 10%G 30%M 60%O	5.41	
30.00	GO 10%G 90%O	0.43	
0.00	30 GIP 100%G	0.00	
* Recovery from multiple tests			

#### Gas Rates

C	hoke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc. Ref. No: 66369 Printed: 2019.12.11 @ 04:57:07



Berexco LLC

17-11s-15w Russell KS

2020 N Bramblew ood

HInes Unit #27X

Wichita KS 67206+1094 Job Ticket: 66369

Test Start: 2019.12.10 @ 17:15:00

DST#: 2

ATTN: Jerry Smith

GENERAL INFORMATION:

Formation: Cong. Ss

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 20:14:02 Tester: Spencer J Staab

Time Test Ended: 02:10:02 Unit No: 84

Interval: 3265.00 ft (KB) To 3340.00 ft (KB) (TVD) Reference ⊟evations: 1876.00 ft (KB)

Total Depth: 3340.00 ft (KB) (TVD) 1869.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 6838 Inside

Press@RunDepth: psig @ 3268.00 ft (KB) Capacity: psig

Start Date: 2019.12.10 End Date: 2019.12.11 Last Calib.: 2019.12.11

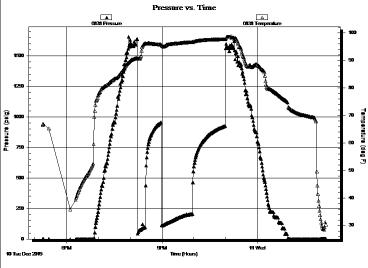
 Start Time:
 17:15:01
 End Time:
 02:10:02
 Time On Btm:

Time Off Btm:

TEST COMMENT: 15-IF-BOB 11 mins; Built to 14"

30-ISI-Very Weak Surface Blow 60-FF-BOB 17 mins; Built to 17"

60-FSI-No Return



PRESSURE	SUMMARY
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	T REGOGILE GOWINALL						
Ī	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
3							
Temperature (deg F)							
6							
Ĵ							
				i l			

#### Recovery

Length (ft)	Description	Volume (bbl)		
420.00	GMO 10%G 30%M 60%O	5.41		
30.00	GO 10%G 90%O	0.43		
0.00	30 GIP 100%G	0.00		
* Recovery from multiple tests				

#### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mct/d)
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Trilobite Testing, Inc Ref. No: 66369 Printed: 2019.12.11 @ 04:57:07



**FLUID SUMMARY** 

Berexco LLC

17-11s-15w Russell KS

2020 N Bramblew ood Wichita KS 67206+1094 HInes Unit #27X

Job Ticket: 66369

DST#: 2

ATTN: Jerry Smith

Test Start: 2019.12.10 @ 17:15:00

#### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil API:25 deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 49.00 sec/qt Cushion Volume: bbl

7.98 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3000.00 ppm Filter Cake: inches

## **Recovery Information**

Water Loss:

### Recovery Table

Length ft	Description	Volume bbl
420.00	GMO 10%G 30%M 60%O	5.407
30.00	GO 10%G 90%O	0.425
0.00	30 GIP 100%G	0.000

Total Length: 450.00 ft Total Volume: 5.832 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: 2#LCM

Trilobite Testing, Inc Ref. No: 66369 Printed: 2019.12.11 @ 04:57:07

