KOLAR Document ID: 1361009

Confident	tiality Request	ed:
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:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR □ OG □ GSW	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 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 #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
□ EOR Permit #:	Location of fluid disposa in flauled offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	County: Permit #:

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY		
Confidentiality Requested		
Date:		
Confidential Release Date:		
Wireline Log Received Drill Stem Tests Received		
Geologist Report / Mud Logs Received		
UIC Distribution		
ALT I II III Approved by: Date:		

KOLAR Document ID: 1361009

Operator Nar	ne:			Lease Name:	Well #:
Sec	Twp	S. 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	acate)	Y	′es 🗌 No			og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No						
		Rep	CASING ort all strings set-c] Ne	w Used rmediate, productio	on. etc.		
Purpose of String	Size Hole Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose:	Depth Top Bottom	Туре	e of Cement	# Sacks Use	d		Type and	Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the Was the hydraulic fracture 	total base fluid of the	hydraulic fr	acturing treatment		-	☐ Yes ns? ☐ Yes ☐ Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold (If vented, Subn	Used on Lease		Open Hole		-	·	nit ACO-4)	юр	Bollom
	foration Perform Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeezend of Material Used)	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Mikol Oil LLC
Well Name	BRUMITT 3
Doc ID	1361009

All Electric Logs Run

Compensated Density Neutron
Dual Induction
Micro
Cement Bond

Form	ACO1 - Well Completion
Operator	Mikol Oil LLC
Well Name	BRUMITT 3
Doc ID	1361009

Tops

Name	Тор	Datum
Top Anhydrite	1310	+764
Base Anhydrite	1345	+729
Topeka	3024	-950
Heebner	3248	-1174
Toronto	3268	-1194
LKC	3288	-1214
ВКС	3525	-1451
Arbuckle	3665	-1591

Form	ACO1 - Well Completion
Operator	Mikol Oil LLC
Well Name	BRUMITT 3
Doc ID	1361009

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3665-67	200 gal 15% MCA	3667
4	3574-82	500 gal INS acid, 434bbl Plexgel, Plexbor, Clayplex 125 bag sand, 461 bbl fresh water flush	3582
	Cast Iron Bridge Plug		3625

Form	ACO1 - Well Completion
Operator	Mikol Oil LLC
Well Name	BRUMITT 3
Doc ID	1361009

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	23	221	Common	120	80/20POZ, 3%CC,2% Gel
Production	7.875	5.5	15.5	3725	Common	175	10%Salt,5 %Gilsonite ,3/4of1%C FR

1948-185 A Mart	2			25 23 12 20	-2] []	Drilling Contractor			Roya	al Drilling	, Rig	#1	Г		
Marc A. Down	ning		0	Geologic I	Report			Commenced	ŧ	5-7-17	Com	pleted		5-14-17			
	2007							Samples Saved Fron	n		3000	То		RTD			
Consulting Petro			Drilliı	ng Time and	l Sample L	og		Drilling Time Kept I			2900	То		RTD			
Geologist								Samples Examined I			3000	То		RTD		E	TH
					T			Geological Supervisi	sion F	rom	3000	То		RTD		-	TH
Operator Mikol	l Oil L	LC			KB EI	evation 2074										L	
Lease Brumitt			No. 3-	-28	DF GL	2074											A A A A A A A A A A A A A A A A A A A
API # 15-163-2	24339-0	0000			Casii Surface	ng Record]									L	181 [4]
Field Wildcat					8 5/8	8" @ 220'			Su	mmary a	and Recon	nmendat	tions			4 1 4	0 0 0
					Production 5 1/2	n " @ 3725'		Due to structure	al nos	sition DS	recoverv	and log ex	valuet	tion, it was decided		L	0-0-
Location 527' F	FSL &	2154' F	FEL			cal Surveys	11	to set 5 1/2" pro-	-			-	- mua			r	THE
Sec. 28	Twp.	10s	Rge.	17w] CNI	DL, DIL,		FIG.		5	Prx						
County Rool	ks	State	Ka	nsas		MEL		Perforations:								N	0.900
Formation	Sampl	le tops	Lo	g Tops	Datum	Struct Comp			1 <u>12</u> mere		San San Spectra	~				LL	
Top Anhydrite	13		-	1310	+764	-1	1	Arbuckle: 3666		95 65	et plug if we	et)				U U	P. CONTROL
Base Anhydrite	13	55		1345	+729	-1]	LKC K: 3498-3								- 1	
								LKC J: 3473-3 LKC I: 3456-3									
Topeka	30	Strategy Strategy	-	3024	-950	FL		LINC I: 3430-3	シーンソ							0	A MARCHINE
Heebner	32		-	3248	-1174	FL										6	相相
Toronto LKC	32	622 WA		3268 3288	-1194 -1214	+4 +2											付托
BKC	32	1-963-V/1277		3525	-1214 -1451	+2										the second se	2-2-5-5-1-2-1
Arbuckle	36			3665	-1591	+10	1									0	
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Total Depth	37	25		3725	-1651												
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Reference Well For St	ruoturol C	omnerice	n 1.511 1			L						Mar	с А. I	Downing	-		
Brumitt #1-28	a uctural C		n Mikol & 1590' F		5	Sec. 28-10s-17w											
							JL									and the particular second	

OIL SHOWS				wine with	t t lel. vost of star Visi 58 wt: 8.8	14 ad. 3337 - 3340 16 ad. 30-30-30-30-30 16 - 16 30-30-30-30 16 - 16 16 - 16 16 - 16 16 - 10 16 - 16 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 17 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 16 - 10 17 - 10 16 - 10 17 - 10 16 - 10 17 - 10 16 - 10 17 - 10 16 - 10 17 - 10 17 - 10 17 - 10 18 - 10 17 - 10 18 - 10 17 - 10 18 - 10 17 - 10 18 - 10 17 - 10 <t< th=""><th>КА (x L) (x L</th></t<>	КА (x L) (x L
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MH 121 10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

FIELD SERVICE TICKET

1718 13545 A

TIONET NO

DATE

SIGNED:

							DATE HOKET NO			
DATE OF 6 - 1 - 1 -	7 [DISTRICT POUTO	hs				PROD INJ WDW CUSTOMER ORDER NO.:			
CUSTOMER m: 12	010	sil LLC.			LEASE	Bru	MITT #3 WELL NO.			
ADDRESS					COUNTY Roots STATE 123					
CITY		STATE			SERVICE CR	EW	Jacob Arturn			
AUTHORIZED BY	Aver	WRENTY			JOB TYPE: Profine L6 2000 Free 157-30 21					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQU	JIPMENT#	HRS	TRUCK CALLED DATE AM TIME			
38749 X	6						ARRIVED AT JOB 6-1-17 M9:00			
70760	6						START OPERATION 6-1-17 PM 11:01			
70761			4			FINISH OPERATION 6-1-17 AM 17:00				
1 100/1983 5	19900/19453 6						RELEASED (1-1-17 AM 19:00			
			-		e		MILES FROM STATION TO WELL 195			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered). The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

		3	(WELL OWN	ER, OPERATOR, CON	TRACTOR OR AG	ENT)
ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	г
C15494	Pl=x=1=907L=E	5-1	82 -		4510	00
6803	Plexbur-101	GAL	18 -		684	00
C1907	KNE-1 Non-Emulsifier	gal	10 -		370	00
6718	Clauplex 650	enl	15 -		525	00
Chos	P5 Liquid Diocide	Gal	2	- <u>-</u>	120	00
2507	Dianher IDL	5.1	1 -		175	Do
62315	580 ME surfactant	Gal	19 -		798	00
Philol	20/40 mesh Brady Sand houses	Cut	125 -		3500	00
PUUZ	Arsin coured Curable Sent	CUT	25-		2000	00
FIOI	Harry Equipment Mileage	mi	780	8	5850	00
12100	Unit milrage - Pickup	mi	130	4	585	00
E113	Propport + Buth Delivery	TM	975		2437	50
E700	Fion Truch	en	1	1	800	00
1= 435	1800 HAP Triplax free pump	en	1	1	6500	00
B200	Blender D-10 BPM	en			3000	00
E712	Computerized Ligurid Chemical Additive Unit.	106	1	* · · · ·	1800	00
P800	Rolus mash or smiller prop pump	Cut	125.		50	00
P.801	16/30 mesh or larger Pipp prop	CUT	25	4	28	50
ETZQ	Densometer	2 a	1	• • • • •	1250	00
an a				SUB TOTAL		

CHEMICAL / ACID DATA:

SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$	<i>1</i> .	
	4. 	TOTAL	i.

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

FIELD SERVICE ORDER NO.

REPRESENTATIVE

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Ann

JW

1 is

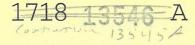
CLOUD LITHO - Abilene, TX

SERVICE



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





DATE TICKET NO.

SIGNED:

				is the second	Saul Here V.		
DATE OF JOB 6-1-1	7 1	DISTRICT Prity 45	17 - 17 - 17 - 17 - 17 - 17 - 17 - 17 -	1	NEW D (PROD INJ WDW CUSTOMER ORDER NO.:
CUSTOMER M;	hol	DI LLC	9		LEASE Br	rmi	TT#3 WELL NO.
ADDRESS					COUNTY	Boo	his STATE 125
CITY		STATE			SERVICE CF		Lob ATTAL
AUTHORIZED BY	Aver	Weavery			JOB TYPE:	Prof.	10 LG 2000 Frie 19ruge 202
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQU	JIPMENT#	HRS	TRUCK CALLED DATE MM TIME
					*		ARRIVED AT JOB 6-1-17 AM gious
							START OPERATION 6-1-17 PM //io1
				1.1	S. Martine	17- 74-00	FINISH OPERATION 6-1-17 MITiou
	· 10						RELEASED 6-1-17 MIS:00
							MILES FROM STATION TO WELL 145

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered). The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

			(WELL OWN	ER, OPERATOR, CONT	RACTOR OR AGENT)
ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICE	S USED UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
ETOL	3' Free Volve	. Joy	> 1	1	500 00
Papo	.1 TOH PPG PROPPERT EDNERT	-Tim Gil	11,500		230 00
5003	Service Suprivisor	- en	1	9	175 00
7101	Treatment Vin	105		5	220000
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СНІ	EMICAL / ACID DATA:			SUB TOTAL	3908800
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		MATERIALS	All set of the set of	K ON \$	
				TOTAL	
			1):500	wited)	15,635 20
P to the second				Vi	

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY;/

FIELD SERVICE ORDER NO.

SERVICE

REPRESENTATIVE

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

BASSE energy services, L.P.

TREATMENT REPORT

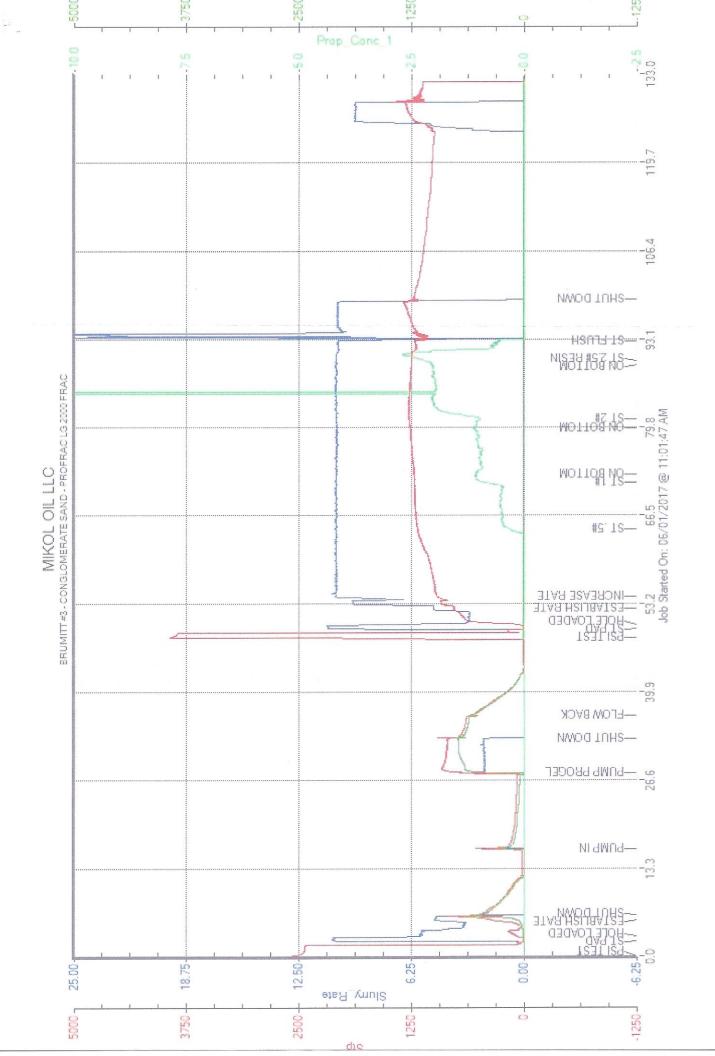
Customer	ihal (2:1 L	11	Lease No.				Date				
Lease	Irvmit.			Well #	3			5	- 1 - 1	7		
Field Order #	f Station		pi s		Casing	Depth	h	County Rooks State				
Type Job		62000		1Stome	262	Formation	DAME		Legal	Description		
	E DATA		ORATIN	9	FLUID	2						
Casing Size	Tubing Si		4		Acid			RATE PRE	ESS	ISIP		
Depth	Depth	5		24 4,11-5	Pre Pad		Max			5 Min.		
/olume	Volume	From y	574 To	3582	Pad		Min			10 Min.		
Aax Press	Max Press 2000 From		То		Frac		Avg			15 Min.		
Vell Connecti	on Annulus \	/	То		1.1.1.2.1.1		HHP Used	t		Annulus Pressure		
Plug Depth	Packer D		To		Flush		Gas Volur	ne		Total Load		
Customer Rep		en hern	-64	Station	Manager	IN WESTE	1 sh um	Treater	cub	An Dame 11		
Service Units	70206	19900	20764	- 3496	3	75775	78468					
Driver Names	Sperny	EJ	Tim	Chuel		Jasun	Jahre					
Time	Casing Pressure	Tubing Pressure	Bbls. Pt	umped	Rate		Service Log					
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11:12	1275		34		10.5	57015	3500	1	1. F.	- 20/40		
16:20	1247			28	10.5	2 # 21	0/400	on Bul	rom	ax (620) 672-5383		

Taylor Printing, Inc. 620-672-3656



TREATMENT REPORT

Customer	hol 1	A .	1 L	46	L	ease No.		3	Date						
Looso	TT				V	Vell #	~~~	5					6-1-1	7	
Field Order #	Station	p,	. r T					Casing		Depth	1	Count	hooks		State
Type Job	re 162			Enc	15	tury e	2.		For	mation	Jur -1-1	e 5.	Legal I	Description	
PIPE	DATA		PERF	ORAT	ING	DATA		FLUID U	SED				TREATMENT	RESUME	
Casing Size	Tubing Size	e	Shots/F		a n	Lhulay	Acid					RATE	PRESS	ISIP /	237
Depth	Depth		From 5	- 74		35×2	Pre I	Pad	3		Max 10.	5	1377	5 Min.	
Volume	Volume		From		То	<u> </u>	Pad		Min 10.5				1196	10 Min.	
Max Press	Max Press	_	From		То		Frac		Avg 10.				11 / 0	15 Min.	
Well Connection	Annulus Vo	ol.	From		То						HHP Used	1		Annulus F	Pressure
Plug Depth	Packer Dep	ath	From		То		Flus	n			Gas Volun	ne		Total Load	546
Customer Repr	esentative		e al lore	4		Station	Mana	ger	1. 321	larra	10188413	Trea	ater Jacob	Anthins	1
Service Units Driver		10000		-											
Names	Casing	Tu	ubing			L									
Time	Pressure		essure	Bbls	. Pun	nped		Rate					Service Log		
16:21	12418				34			. 5	510	r T	1000	hand	allow 2.6		
10:25	1209				16	Torona and the second se		1	57-	7 7		5	allon F	lush	
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QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Cell 785-324-1041											
Sec.	Twp.	Range	Co	ounty	State	On Location	Finish				
Date 5-9-17 28	10	17	Roo	ks	ks		2:15AM				
					River Rd 8	codell Rol 1	W. 5N				
Lease Brumitt	V	Vell No. 3-2	8	Owner	la pro- est page de						
Contractor Rovg				To Quality O	ilwell Cementing, Inc.	cementing equipmen	t and furnish				
Type Job Surface				cementer an	d helper to assist ow	ner or contractor to d	o work as listed.				
Hole Size 12/4	T.D. 2	21		Charge Mikol Oil							
Csg. 8 5/8	Depth 2			Street							
Tbg. Size	Depth	****		City State							
Tool	Depth	ster od harta	rigel (The above wa	s done to satisfaction a	nd supervision of owne					
Cement Left in Csg.	Shoe Jo	oint 20	a a fate a fa	Cement Amo	ount Ordered 156	80/20, 3%00	4,2% gel				
Meas Line		123466	/				/ /				
	PMENT			Common /	20						
Pumptrk 18 No. Cementer Y	ravis			Poz. Mix	30		1000,000				
Bulktrk 3 No. Driver				Gel. 3							
No. Driver Bulktrk Driver	.7			Calcium 6	comae dons to a sin		evie Sou acore				
JOB SERVICE	S & REMA	RKS		Hulls							
Remarks: Cement did a	inculate	<u>م</u> ر		Salt		Я., *.					
Rat Hole	17 (01 19)	A magn poise		Flowseal		1, participation of the	terre base of the				
Mouse Hole		ana manaka		Kol-Seal			- or an and Charles				
Centralizers				Mud CLR 48	3		tens perce				
Baskets			Contra and	CFL-117 or CD110 CAF 38							
D/V or Port Collar		ana miyel		Sand		n sel on bestune a b	no i na seguror				
				Handling	159						
				Mileage			a contra a sub-				
					FLOAT EQUIPM						
and a state and a set of the				Guide Shoe		Contraction and Association	n tosh (Brit)				
				Centralizer							
	di Denska seri u Denska seri u			Baskets							
				AFU Inserts							
				Float Shoe	2.1.1.1.1.1						
		X		Latch Down							
				Pumptrk Cha	arge Surface	9					
				Mileage		Tav					
all duele quan et a vit it	<u>Lés sur a</u>					Tax					
						Discount					
Signature Dous Bu	dz_	6				Total Charge					

Phone 785-483-2025 Cell 785-324-1041	Hom	ne Office	P.O. B	ox 32 Rus	ssell, KS 67	7665		No.	162 S-15-17
Date 5-14-17 28	Twp.	Range	Roc	County	Ks			cation	Finish
lease Brumith		I No. 3	Locati			liver	Rol,	Iw,	31/2N
0 11	Wel	INO.		Owner C	ilwell Cementi	na Inc			an a
Contractor Koyal L		8		You are here	eby requested	to rent ce	ementing	equipment	and furnish
Type Job Longistring		1517-	1	Charge	d helper to as	SIST OWNE	er or contr	actor to do	WORK as listed
Hole Size	T.D.	3723		To	likol	011	uc	3	
Csig. 55" 15,50 #	Depth	3724		Street		-			
Tbg. Size	Depth		+11	City	1,091-09. X		State		
Tool Port Collar	Depth 13	-	54	1	as done to satisf				
Cement Left in Csg. 21'	Shoe Joint	21		Cement Am	ount Ordered				
Meas Line	Displace	88	Bis		% CFR	200	gal r	und C	lear 48
EQUIPA	AENI	•		Common	175			9	
Pumptrk 18 No. Cementer T Helper	im			Poz. Mix					
Bulktrk 5 Driver Sor	dan		120.00	Gel.		8 1			
Bulktrik P.U. No. Driver R	ick			Calcium	nan Agailagan a		les bases	algeory Mary	A THE R. D. D.
JOB SERVICES	& REMARKS	S		Hulls			1		
Remarks:		leng finder	usphirite)	Salt 14	2	/	2	d mangari	
Rat Hole				Flowseal	KCh Z	-gd			
Mouse Hole			Calchini	Kol-Sea	OBBIS	1	5077	1200	
Centralizers 1, 3, 5, 7, 9, 11	53			Mud CLR 48	500	3 g	al,		
Baskets 54			l p=ssb	CFL-117 01	CD110 CAF 38		25 H		an na sala na
D/V or Port Collar \$54)	307'))))))))))))))))))))))))))))))))))))))	Sand	- CS	130	H		
Dipe on bottom break	Circul	Alm DV	mp	Handling	967	i ma			
500 gul mud Cloar 4	3 Dunny	2 10 60	ska	Mileage					
pacer plug Rothole,	1 34 5x	plus r	Nousehi		FLOAT E	QUIPME	NT	a an	
NISSX Cement	5/21 (asing	w	Guide Shoe	Port C	Mar		1 n g 🚥 🤅	ana B ^a ∎
305× Shut dawn	1. mash	Quan	04	Centralizer	6 turbs	j's	Ren	- 51 10 - 1	
has Displaced plus	8 1.1	8 BLS	Hio	Baskets)	Maria da	0	8 (Q) <u>.</u>	
first 10 Bis Kry	Repeasel	+ held	l. "	AFU Inserts					6
Lift pressure	600	đ		Float Shoe					5
Land plug to	15711	#	1	Latch Down	1	W W		// M. M	
- prod		1.2.1.231.1	u n cuit	ed h vetseon	Rotati	than h	ord		
					100 100	0			atter
				Pumptrk Cha	arge <i>Ord</i>	od s	Fring	÷ .	Furt
				Mileage 💰	2 28	F 5	1		- 10
A di menunana ang tituk			u mái ái	E				Tax	
	a shi shi se							Discount	
Signature Annaleur	ing						Tota	I Charge	

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041	Home Office	P.O. B	lox 32 Russ	sell, KS 67665	No.	175
Date 5-25-17 28	Twp. Range	10	County oKS	State KS	On Location	Finish
			ion Codell	112	22 Ra , 45	WITH
Lease	t Well No. 3	LUCAL	Owner	200 10 1	000 Not 1 10	1 JANO
	[. c			well Cementing, Inc	*	
Contractor Western we Type Job Port Collar	in selone		- You are hereb	y requested to rent	cementing equipmenting requipmenting equipment	t and furnish work as listed
Hole Size	T.D.		Charge W	1922 001		
Csg. 5½"	Depth		Street	II POL OIT		
Tbg. Size	Depth		City		. /State	
Tool Port Collar	Depth 1300'			done to satisfaction a	Supervision of owner	agent or contractor.
Cement Left in Csg.	Shoe Joint	- 19. T. S.		Int Ordered 200	QMDC Y	y H Flo-spal
Meas Line		BLS	Used	115		1 10 300
EQUIPM		Aller Qu	1	5 % Qm	hr.	
Pumptrk 6 No. Cementer Helper	lavis		Poz. Mix			
Bulktrk 3 No. Driver Jon	dar	la de la composition de la composition En la composition de la	Gel.			
Bulktrk PIUNO. Driver R	de		Calcium	n di Kanan péri		
JOB SERVICES	& REMARKS		Hulls			
Remarks: Test tool to	, 1000 # held		Salt	i e co Nacionalia		
Rat Hole open tool + e	stablished a	blow	Flowseal 30)#		Carlos Carlos Artes
Mouse Hole mix 115 5X	QMDL Vy# Flo	sed	Kol-Seal			
Centralizers + Displacel	W 63BBUS CIE	osed	Mud CLR 48		2	
Baskets tool + test +	root 1000 # + held	<u></u>	CFL-117 or CE	D110 CAF 38		
D/V or Port Collar Run 5:	Its + wash	5 m	Sand		- 81 - 11 - 11 - 11 - 11 - 11 - 11 - 11	1 * 114
Clean Rigged do	30	A	Handling 20	0		
L.	<u> </u>		Mileage			
Cement did	Circulate			FLOAT EQUIPM	ENT	x.
			Guide Shoe			
			Centralizer			
		m La	Baskets			
	<u> </u>		AFU Inserts	<u>i</u> ta a		
			Float Shoe			
			Latch Down			
·						110 (.* Meines)
	en		Pumptrk Charg	10 port co	Har Job	
		1.000	Mileage 28			1
					Tax	
		25.56	na nalej na		Discount	Jacobs Constraint pr
X Signature An Warn hy			erri da li sectore i x i		Total Charge	
<u> </u>			a.	2 1		a a

	DRILL STEM TES	TREP	ORT				
RILOBITE	Mikol Oil LLC	28/10	s/17w	Rooks KS			
ESTING , INC.	1407 Washington Circle		Brum	nitt #3			
	Hays, KS 67601		Job Tic	cket: 654	47	DST#: 1	1
	ATTN: Marc Dow ning		Test S	tart: 201	7.05.12 @ 0	8:30:00	
GENERAL INFORMATION:							
Formation:LKC "D"Deviated:NoWhipstock:Time Tool Opened:10:14:15Time Test Ended:13:38:30	ft (KB)		Test Ty Tester Unit No	: Ja	onventional I ames Winder 3		le (Initial)
Interval:3337.00 ft (KB) To33Total Depth:3360.00 ft (KB) (ThHole Diameter:7.88 inches Hole	/D)		Refere	ence ⊟ev KB to	ations: GR/CF:	2073.00 2067.00 6.00	ft (CF)
Serial #: 6625InsidePress@RunDepth:13.21 psigStart Date:2017.05.12Start Time:08:30:05TEST COMMENT:30 - IF: Blow buil 30 - ISI: No blow 30 - FF: No blow	End Date: End Time: t to 1/2", died back to 1/4" at close	2017.05.12 13:38:29	Capacity: Last Calib.: Time On Btr Time Off Btr	m: 20	2(017.05.12 @ 017.05.12 @		
30 - FSI: No blow Pressure vs. T 0025Pressure		Time	· · · ·	SSURE	E SUMMA Annotation		
	55 56 50 50 50 50 50 50 50 50 50 50 50 50 50	(Min.) 0 1 31 61 61 93 128	(psig) (4 1625.42 8.74 11.38 44.95 12.37 13.21 32.15	95.71 95.76 96.12 96.13 96.64	Initial Hydro- Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2) End Shut-In(w (1) 1) w (2)	
500 200 200 9Md 10Md 11Md	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	129	1593.54	98.27	Final Hydro-	static	
Recovery			·	Gas	Rates		
Length (ft) Description 4.00 Mud w /Oil spots 96%m, 3	Volume (bbl) 3%o, 1%g 0.06			Choke (inc	hes) Pressure	(psig) Gá	as Rate (Mcf/d)
Trilobite Testing, Inc	Ref. No: 65447				017.05.12 @		

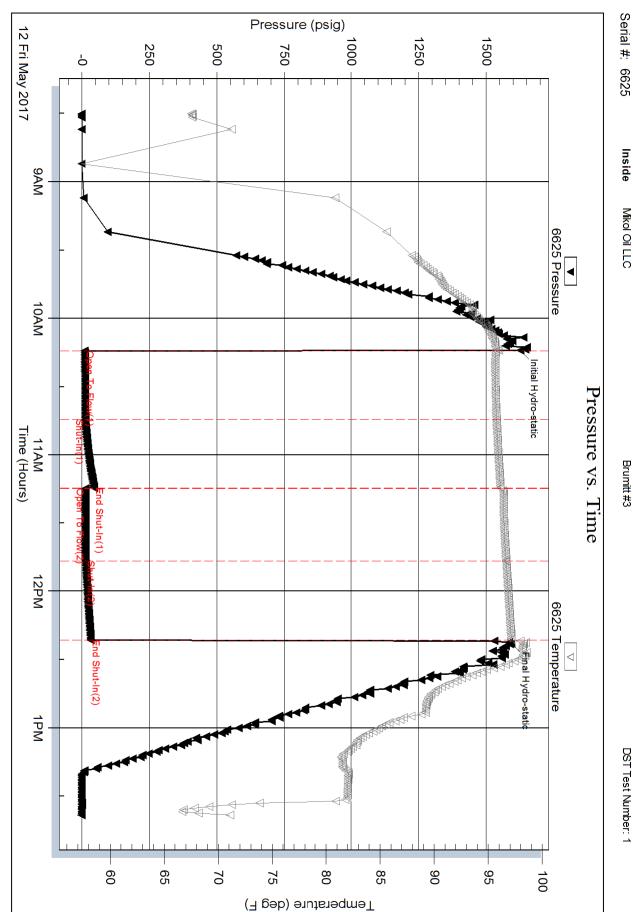
	DRILL STEM TES	T REP	ORT			
RILOBITE	Mikol Oil LLC		28/10s/17	w Rooks I	KS	
ESTING , INC	1407 Washington Circle		Brumitt #	¹ 3		
	Hays, KS 67601		Job Ticket:	65447	DST#	#: 1
	ATTN: Marc Dow ning		Test Start:	2017.05.12 (@ 08:30:00	I
GENERAL INFORMATION:						
Formation:LKC "D"Deviated:NoWhipstock:Time Tool Opened:10:14:15Time Test Ended:13:38:30	ft (KB)		Test Type: Tester: Unit No:	Conventior James Win 83		Hole (Initial)
Interval:3337.00 ft (KB) To33Total Depth:3360.00 ft (KB) (TVHole Diameter:7.88 inches Hole	/D)		Reference KI	Elevations: B to GR/CF:	2067.0	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 8017OutsidePress@RunDepth:psigStart Date:2017.05.12Start Time:08:30:05	@ 3338.00 ft (KB) End Date: End Time:	2017.05.12 13:38:14	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.0 2017.05.1	00 psig 12
TEST COMMENT: 30 - IF: Blow buil 30 - ISI: No blow 30 - FF: No blow 30 - FSI: No blow Pressure vs. T	back	1	DDESSI			
8017 Pessue	A BOT7 Temperature	Time	PRESSU Pressure Temp			
100 100 100 100 100 100 100 100		(Min.)	(psig) (deg F			
Recovery				as Rates		
Length (ft) Description	Volume (bbl)		Chok	e (inches) Press	sure (psig)	Gas Rate (Mcf/d)
4.00 Mud w /Oil spots 96%m, 3	3%o, 1%g 0.06					
Trilobite Testing Inc	Ref. No: 65447			d: 2017 05 1		

; () /		RILL STE	M TEST F	REPORT	-		FLUID SU	JMMAR
		ol Oil LLC			28/10s/17v	w Rooks KS		
ESTI		07 Washington Cir ys, KS 67601	cle		Brumitt #3		DST#: 1	
	AT	TN: Marc Dow nir	ng			2017.05.12 @ 0		
Iud and Cushion Info	ormation							
/ud Type: Gel Chem		Cushi	ion Type:			Oil API:		deg AP
lud Weight: 9.00 lk	o/gal		ion Length:		ft	Water Salinity:		ppm
iscosity: 58.00 s	-		ion Volume:		bbl	·····,		FF
/ater Loss: 7.99 ir			Cushion Type:					
	hm.m		Cushion Pressure		psig			
alinity: 12000.00 p ilter Cake: 1.00 ir								
Recovery Information		Deer						
	Longth		overy Table		Volume	7		
	Length ft	De	escription		bbl			
	4.(00 Mudw/Oilsp	oots 96%m, 3%o,	1%g	0.056	6		
Tot	al Length:	4.00 ft To	otal Volume:	0.056 bbl				
Lab	m Fluid Samples: (poratory Name: covery Comments	La	um Gas Bombs: aboratory Location	0 n:	Serial #	:		

Printed: 2017.05.12 @ 13:55:55

Ref. No: 65447





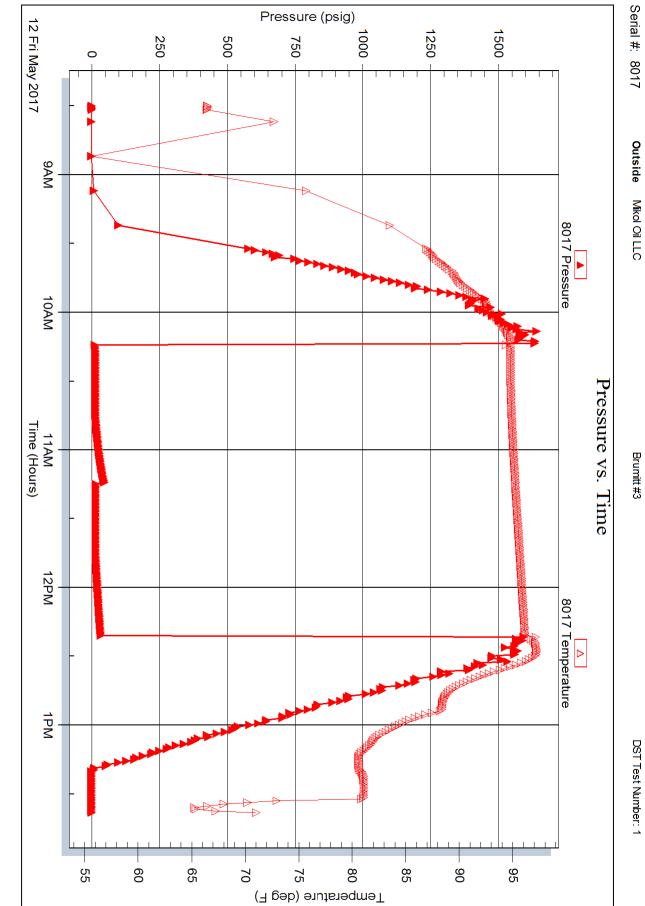
Brumitt #3

DST Test Number: 1

Printed: 2017.05.12 @ 13:55:55

Ref. No: 65447





DST Test Number: 1

	DRILL STEM TES	ST REP	ORT					
RILOBITE	Mikol Oil, LLC		28-1	10S-17V	V Rooks,	KS		
ESTING , INC	1407 Washington Circle		Brumitt #3					
	Hays, KS 67601		Job ⁻	Ticket: 63	3189	DST#:	2	
	ATTN: Marc Dow ning		Test	Start: 20)17.05.12 @) 21:07:42		
GENERAL INFORMATION:								
Formation:LKC "G"Deviated:NoWhipstock:Time Tool Opened:23:38:18Time Test Ended:03:12:48	ft (KB)		Test Test	er: E	Conventiona Brannan Lor 73		ble (Reset)	
Interval:3387.00 ft (KB) To34Total Depth:3415.00 ft (KB) (TVHole Diameter:7.88 inchesHole	D)		Refe	erence Ele KB t	evations: o GR/CF:) ft (KB)) ft (CF)) ft	
Serial #: 8524 Outside								
Press@RunDepth: 27.94 psig (0047.05.15	Capacity:			8000.00		
Start Date: 2017.05.12 Start Time: 21:07:43	End Date: End Time:	2017.05.13 03:12:48	Last Calib Time On E	Btm: 2	2017.05.12	-	3	
			Time Off I	Btm: 2	2017.05.13	@ 01:40:18	3	
30- ISI- No blow 30- FF- Weak sur 30- FSI- No blow Pressure vs. Ti	пе	1	PR	RESSUR	RESUMM	ARY		
T 8524 Pressure 1750 Juni Han dan	8524 Temperature	Time	Pressure	Temp	Annotatio			
1500	- 96	(Min.) 0	(psig) 1668.12	(deg F) 97.39	Initial Hydro	o-static		
		1	14.58	96.83	Open To F			
		. 29 . 62	21.79 506.41		Shut-In(1) End Shut-I	n(1)		
		63	22.96	98.05	Open To F			
		89 122	27.94 495.19	98.49 99.05		n(2)		
500 200 500 500 500 500 500 500		123	1643.35	99.48				
tzFri May 2017 Time (Hous) Recovery				Ga	s Rates			
Length (ft) Description	Volume (bbl)			Choke (i		ıre (psig)	Gas Rate (Mcf/d)	
10.00 SOCMW, 5%O 10%M 859	%W 0.14							
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 63189			Deline to 1	2017.05.13	0.00.40.4	0	

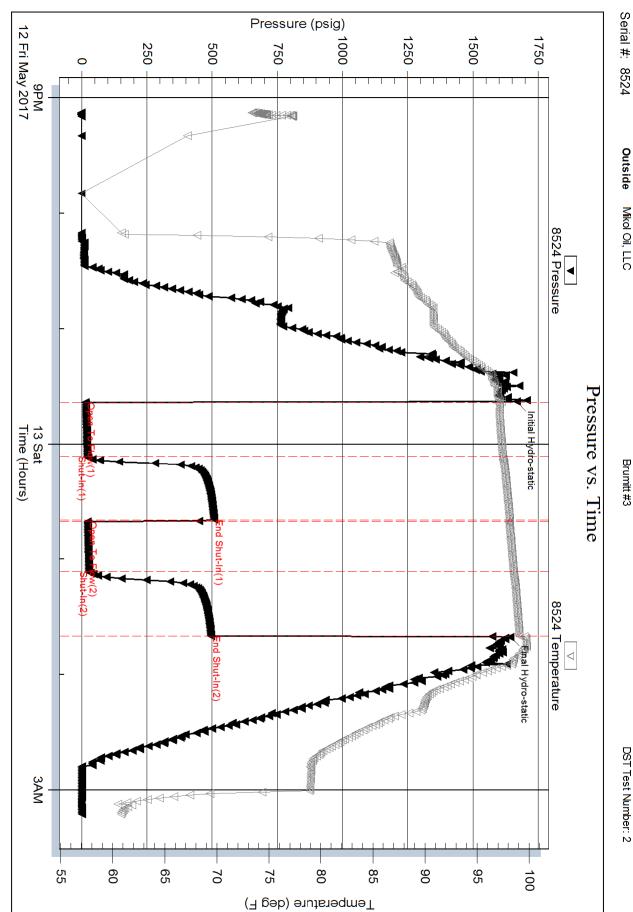
	DRILL STEM TES	ST REP	ORT			
RILOBITE	Mikol Oil, LLC		28-10S-1	7W Rooks	s, KS	
ESTING , INC	1407 Washington Circle		Brumitt	#3		
	Hays, KS 67601		Job Ticket	63189	DST#	:2
	ATTN: Marc Dow ning		Test Start:	2017.05.12	@ 21:07:42	
GENERAL INFORMATION:						
Formation:LKC "G"Deviated:NoWhipstock:Time Tool Opened:23:38:18Time Test Ended:03:12:48	ft (KB)		Test Type Tester: Unit No:	Conventic Brannan I 73		lole (Reset)
Interval: 3387.00 ft (KB) To 34 Total Depth: 3415.00 ft (KB) (TV 1000 ft (KB) (TV Hole Diameter: 7.88 inchesHole	′D)			Elevations:	2067.0	0 ft (KB) 0 ft (CF) 0 ft
Serial #: 6838 Inside						
Press@RunDepth: psig	@ 3388.00 ft (KB)		Capacity:		8000.0	10 psig
Start Date: 2017.05.12 Start Time: 21:08:00	End Date:	2017.05.13	Last Calib.: Time On Btm:		2017.05.1	3
Start nme. 21:08:00	End Time:	03:13:05	Time On Bitm: Time Off Bitm:			
	90 90 90 90 90 90 90 90 90 90 90 90 90 9	Time (Min.)	Pressure Tem (psig) (deg			
20 3 Sid 27 Fills 27 Sid Time(Hus) Recovery	20 20 30 30 30 4 30 4 30 4 30 4 30 4 30			Gas Rates		
Length (ft) Description	Volume (bbl)		Ch	oke (inches) Pre	ssure (psig)	Gas Rate (Mcf/d)
10.00 SOCMW, 5%O 10%M 85%	%W 0.14					

	RILOBITE	DRI	LL STEM TEST R	EPORT	-	FI	LUID SUMMARY
		Mikol O	il, LLC		28-10S-17\	N Rooks, KS	
	ESTING , INC.		Vashington Circle KS 67601		Brumitt #3		
					Job Ticket: 6		DST#:2
		ATTN:	Marc Dow ning		Test Start: 2	017.05.12 @ 21:0)7:42
Mud and Cush	ion Information						
Mud Type: Gel C Mud Weight: Viscosity: Water Loss: Resistivity: Salinity: 1: Filter Cake:	Chem 9.00 lb/gal 58.00 sec/qt 7.98 in ³ ohm.m 2000.00 ppm inches		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:			Oil API: Water Salinity:	deg API 55000 ppm
Recovery Info	rmation						
	· · ·		Recovery Table) (- l	1	
	Lengt ft	'n	Description		Volume bbl		
		10.00	SOCMW, 5%O 10%M 85%W		0.142		
	Total Length:		.00 ft Total Volume:	0.142 bbl			
	Num Fluid Samp Laboratory Nam		Num Gas Bombs: Laboratory Location	0.	Serial #:		
	Recovery Com						

Printed: 2017.05.13 @ 09:13:12

Ref. No: 63189

Trilobite Testing, Inc



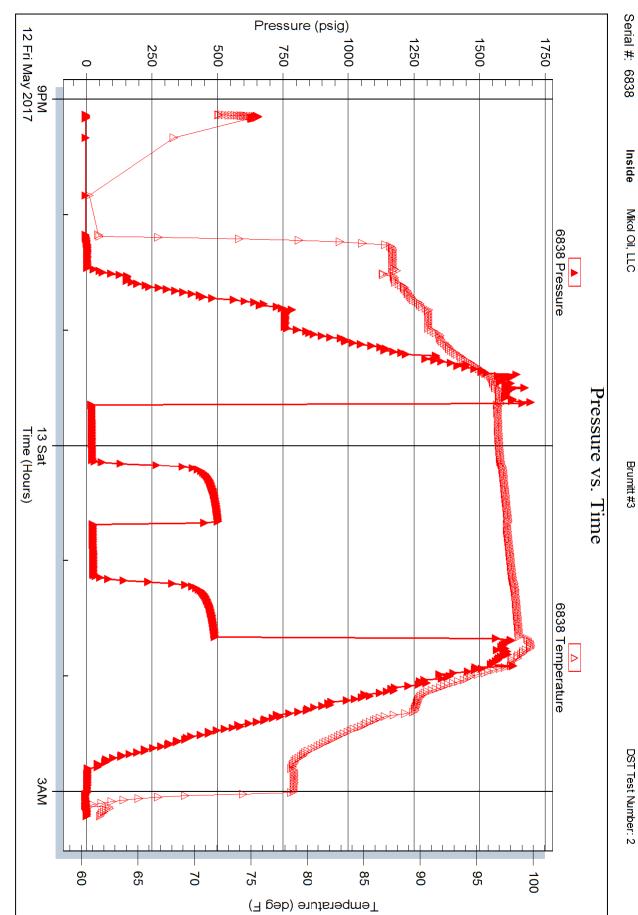
DST Test Number: 2

Serial #: 8524 Outside Mikol Oil, LLC

Printed: 2017.05.13 @ 09:13:12

Ref. No: 63189

Trilobite Testing, Inc



DST Test Number: 2

	DRILL STEM TES		ORT			
RILOBITE	Mikol Oil, LLC		28-	10S-17V	V Rooks, K	S
ESTING , INC.	1407 Washington Circle Hays, KS 67601			ımitt #3		
				Ticket: 63		DST#:3
	ATTN: Marc Dow ning		Test	t Start: 20)17.05.13 @ ´	3:15:02
GENERAL INFORMATION:						
Formation:LKC "I-K"Deviated:NoWhipstock:Time Tool Opened:15:15:08Time Test Ended:19:42:23	ft (KB)		Test Test Unit	ter: I	Conventional Brannan Lons 73	Bottom Hole (Reset) dale
Interval:3441.00 ft (KB) To34Total Depth:3512.00 ft (KB) (The second secon			Refe	erence Ele KB t	evations: o GR/CF:	2073.00 ft (KB) 2067.00 ft (CF) 6.00 ft
Serial #: 8524 Outside						
Press@RunDepth: 42.25 psig Start Date: 2017.05.13 Start Time: 13:15:03	 @ 3442.00 ft (KB) End Date: End Time: 	2017.05.13 19:42:23	Capacity: Last Calik Time On I Time Off	o.: Btm: 2	2 2017.05.13 @ 2017.05.13 @	
45- ISI- No blow 45- FF- Slow bu 45- FSI- No blow Pressure vs. 1	fime	1	PF	RESSUR	RE SUMMA	RY
S524 Pressure	2624 Temperature	Time	Pressure	Temp	Annotation	
		(Min.) 0 1 42 91 91 91 132	(psig) 1745.00 16.34 30.65 439.04 28.82 42.25		Open To Flo	w (1) 1)
500 500 500 500 500 500 500 500		180 181	412.50 1683.35	99.33 99.67		
Recovery			ļļ	Ga	s Rates	
Length (ft) Description	Volume (bbl)			Choke (i	nches) Pressure	(psig) Gas Rate (Mcf/d)
65.00 MCO, 40%M 60%O	0.92					
5.00 CO	0.07					
0.00 55' GIP	0.00					
* Recovery from multiple tests						

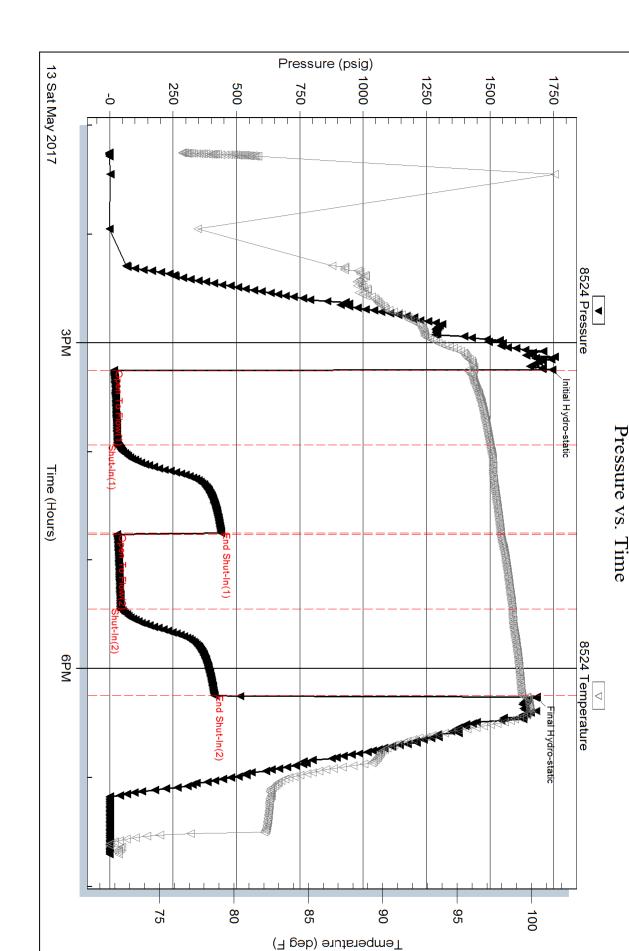
	DRILL STEM TES	ST REP	ORT		
	Mikol Oil, LLC		28-10S-′	7W Rooks	, KS
ESTING , INC.	1407 Washington Circle Hays, KS 67601		Brumitt	-	DOT# 0
			Job Ticket		DST#: 3
	ATTN: Marc Dow ning		Test Start	2017.05.13 (@ 13:15:02
GENERAL INFORMATION:					
Formation:LKC "I-K"Deviated:NoWhipstock:Time Tool Opened:15:15:08Time Test Ended:19:42:23	ft (KB)		Test Type Tester: Unit No:	: Conventior Brannan Lo 73	nal Bottom Hole (Reset) onsdale
Interval: 3441.00 ft (KB) To 35	12.00 ft (KB) (TVD)		Reference	e Elevations:	2073.00 ft (KB)
Total Depth: 3512.00 ft (KB) (T	-				2067.00 ft (CF)
Hole Diameter: 7.88 inches Hole	e Condition: Fair			KB to GR/CF:	6.00 ft
Serial #: 6838 Inside					
Press@RunDepth: psig		004-0	Capacity:		8000.00 psig
Start Date: 2017.05.13 Start Time: 13:15:51	End Date: End Time:	2017.05.13 19:43:11	Last Calib.: Time On Btm:		2017.05.13
Jan III. 13.13.31		19.43.11	Time Off Btm:		
Pressure vs. T 6538 Pressure 1759	ime 683 Tempenture 100	Time	Pressure Tem		
	- 95	(Min.)	(psig) (deg	F)	
20 20 30 30 30 30 30 30 30 30 30 30 30 30 30	Ba and a second	9			
Recovery			• • • • •	Gas Rates	
Length (ft) Description	Volume (bbl)		Ch	oke (inches) Pres	sure (psig) Gas Rate (Mcf/d)
65.00 MCO, 40% M 60% O	0.92				
5.00 CO	0.07				
0.00 55' GIP	0.00				
* Recovery from multiple tests					

an-		DRI	LL SI	FEM TEST F	REPORT	Г		FLUID	SUMMARY
	RILOBITE	Mikol C	il, LLC			28-10S-17	W Rooks, k	(S	
ESTING , INC.			Vashingtor KS 67601			Brumitt #3			
		-				Job Ticket:		DST#:	:3
		ATTN:	Marc Do	wning		Test Start:	2017.05.13 @	13:15:02	
Mud and C	ushion Information								
Mud Type: 0	Gel Chem			Cushion Type:			Oil API:		34 deg API
Mud Weight:	9.00 lb/gal			Cushion Length:		ft	Water Salinity	/:	ppm
Viscosity:	48.00 sec/qt			Cushion Volume:		bbl			
Water Loss: Resistivity:	8.79 in³ ohm.m			Bas Cushion Type: Bas Cushion Pressure		nsia			
Salinity:	8000.00 ppm		e	bas Custilon Flessure	5.	psig			
Filter Cake:	inches								
Recovery I	nformation								
-			F	Recovery Table					
	Leng	th		Description		Volume bbl			
		65.00	MCO 40	%M 60%O		0.92	1		
		5.00	CO			0.07			
		0.00	55' GIP			0.00	0		
	Total Length:	70	.00 ft	Total Volume:	0.992 bbl				
	Num Fluid Samp	oles: 0		Num Gas Bombs:	0	Serial #	#:		
	Laboratory Nan			Laboratory Location	n:				
	Recovery Com	ments:							

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Ref. No: 63190

Trilobite Testing, Inc



Serial #: 8524 Outside Mikol Oil, LLC

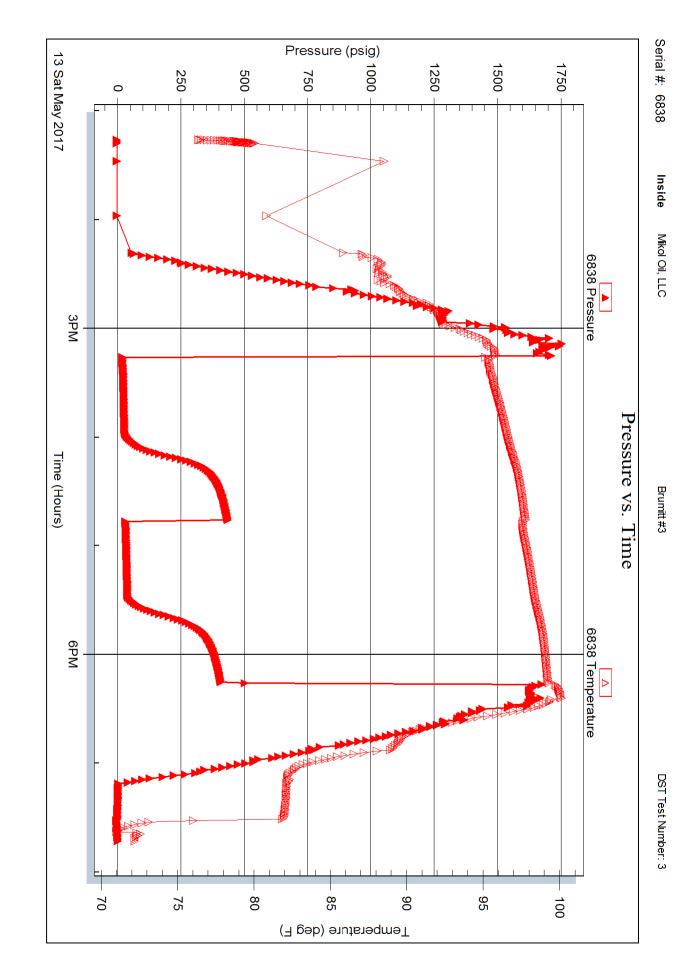
Brumitt #3

DST Test Number: 3

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Ref. No: 63190





	HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT INFORMATION DISCLOSURE									
Last Fracture Date:	6/1/2017									
County:	Rooks									
API Number (14 Digits):	15-163-24339-00-00									
Operator Name:	Mikol Oil									
Well Name and Number:	Brumitt # 3-28									
Latitude:	39.148868		-							
Longitude:	-99.221977									
Datum:	NAD83									
Production Type:										
True Vertical Depth (TVD):										
Total Base Fluid Volume (gal)*:	20,000	J								

Hydraulic Fracturing Fluid Composition:

Trade Name Plexgel-907L-E Plexbor-101	Supplier Basic Energy Services Basic Energy Services	Purpose Slurried Guar Borate Crosslinker	Ingredients	Chemical Abstract Service Number (CAS#) C1504 C803	Maximum Ingredient Concentration in Additive (% by mass)** 82 gallons 18 gallons	Maximum Ingredient Concentration in HF Fluid (% by mass)** 0.45 0.10
KNE-1	Basic Energy Services	Non-emulsifier		C1807	10 gallons	0.05
Clayplex 650	Basic Energy Services			C718	15 gallons	0.08
P5 Liquid Biocide	Basic Energy Services			C608	2 gallons	0.01
Breaker - 10 L	Basic Energy Services			C507	1 gallon	0.00
580 ME Surfactant	Basic Energy Services			C2315	19 gallons	0.10
20-40 mesh Brady Sand	Basic Energy Services	Proppant		PK101		125 bags
Resin Coated Curable Sand 16/30 mesh	Basic Energy Services	Proppant		P402		25 bags
Fresh Water					19040 gallons	99
						0.01
ngredients shown above are subject to 29 C	RF 1910.1200(i) and appear o	on Material Safety Data Shee	ts (MSDS). Ingredients shown below a	are Non-MSDS.		

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*Total Water Volume sources may include fresh water, produced water, and/or recycled water. **Information is based on the maximum potential for concentration and thus the total may be over 100%. Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers' Material Safety Data Sheets (MSDS).

Kansas Corporation Commission
Authorized Representative's Name, Address and Phone Number