KOLAR Document ID: 1406177

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 -		WELL &	IEASE
VVELL	nisioni ·	DESCRIP		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.xxxx)
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?
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 #:	
SWD Permit #: EOR Permit #:	Location of fluid disposal if hauled 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 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: 1406177

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	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 Perforate Protect Casing Plug Back TD Plug Off Zone		Туре	e of Cement	# Sacks Used		ed Type and Percent Additives			
 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	L. D. Drilling, Inc.
Well Name	EUGENE 2-4
Doc ID	1406177

Tops

Name	Тор	Datum
ANHYDRITE	1002	+984
BASE ANHYDRITE	1030	+956
ТОРЕКА	2988	-1002
HEEBNER	3223	-1237
LANSING	3303	-1317
BASE KANSAS CITY	3504	-1518
ARBUCKLE	3554	-1568
BROWN LIME	3289	-1303

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	EUGENE 2-4
Doc ID	1406177

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	1018	A-CONN		3%CC,1/4 #Cellflake
Surface	12.25	8.625	23	1018	COMMON		2%CC,1/4 #CF
Production	7.875	5.5	15.5	3667	AA-2	150	10%Salt
Production	7.875	5.5	15.5	3667	60/40 POZMIX	30	@ RATHOLE

TTMH=29 10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kanson



ГІЕЦ<u>р</u> SERVICE ТІСКЕТ 1718 **16288** Д Α

TIONET NO

....

						-	DATE TICKET NO	
DATE OF 3-17.	-2018	STRICT			NEW WELL			CUSTOMER ORDER NO.:
CUSTOMER LL	DRI	UNG INK	r		LEASE E	UPIC	ENE	WELL NO 2-4
ADDRESS						BAR	TON STATE	6.
CITY		STATE			SERVICE C	REW Z		LYMER
AUTHORIZED BY					JOB TYPE:	Z42	2 85/8"SURT	ALE
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQU	JIPMENT#	HRS	TRUCK CALLED 3-17-	ATE AM TIME
20920							ARRIVED AT JOB	AM 10:00
197180	+ $+$ $+$						START OPERATION	PM 3:00
							FINISH OPERATION	PM 4:00
							RELEASED	PM 4:30
							MILES FROM STATION TO WI	ELL

Phone 620-672-1201

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.

4 SIGNED:

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUN	л
PP IDI	A-CON BLEND	SK	200		3,600	00
CP IOD	COMMON	SK			3 200	00
CC ID2	TELL FLAKE	IЬ	101		373	70
CC 109	CALCIUM CHIDRIDE	16	940		987	00
CC 130	C-51	16	19		475	00
CF 125	TOP RUBBER CMT. PLUG, 85/8"	EA	1		225	00
E 100	PICKUP MILEAGE	MI	65		292	50
E 101	HEAVY EQUIPMENT MILEAGE	MI	130		975	00
E 11.3	BULK DELIVERY CHARGE	TM	1222		3,055	00
CE 201	DEPTH CHARGE, 501- 600	HR	1-4		1,200	00
CE 240.	BLENDING SERVICE	SK	400		560	∞
CE 504	PLUG CONTAINER UTILIZATION CHARGE	JOB	1		250	00
5003	SERVILE SOPERVISOR	EA	1		175	00
					ų.	00
0115				SUB TOT	15,368	20
	MICAL / ACID DATA:	A FOUNDARY	0/741	011.0	0,000	
		& EQUIPMENT	%TAX %TAX			
		110	70144	TOTAKZ	4	0-1
				10124	R759	21
				JUL1	9151	
\sim			V 4	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
SERVICE REPRESENTATIVE	THE ABOVE MATERIAL			I AL	1	
- HESEN ATTVE	- AUVIL AUTO DE DE COSTOME		1.00	R CONTRACTOR OR	AGENT)	
FIELD SERVICE	ADERNO.	(,	



TREATMENT REPORT

Customer	DDF	RILLINE	7	Lease N		7			Date		2016	2	
Lease 2	EUGEN	JE		Well #	1-	4	TE	>		-11	-2018		
Field Order	8 Štatio	PRAT	T.Ks.			Casing	16" -	005	County 7	BARTON		^{ate} Ks	
Type Job	85/8	5.P					Formation	Ĕ		Legal D	g-iBs -	150	
PIP	E DATA	PERF	ORATING	DATA	4	FLUID (JSED		TRE		RESUME		
Casigo/Size	3 # bing Si	ze Shots/F	^{-t} Cr	KT -	2	OSK F	-CON1	0/3%	USA				
Depth 1005		From	То		-	@,á	.47COFT	Max					
	388L	From	т6	CMT- 2		OSK CD	MMON 1	DT2BCC, HTCF		CF	10 Min.		
Max Press	Max Pres	From	То	F		ac <i>El.</i>	20 CUFT	Ávg		·····	15 Min.		
Well Connecti			То		_		HHP Used				Annulus Press	sure	
Plug Depth 985		From	То	1			BBL	Gas Volum			Total Load		
Customer Rep	presentative	RICK		Stati	on Mar	<u> </u>	ω.		Treater	<u>K. Le</u>	SLEY	r	
Service Units	84531	94980	20920	199	59	19918							
Driver Names	Casing	HANSON		Cuy	MER			k					
Time	Pressure	Pressure	Bbls. Pur	nped		Rate		1919-191		ervice Log			
D:00AM											Y MEETIN	UG	
:30Pm							KUNC	25 JTS	<u>587</u>	6"xà	3# <i>CS</i> G.		
:45Pm							<u>(54</u>	. ON	BOTT	TOM			
DOPM						,	HOOK U	PTOC	<u>sa./2</u>	OKEAK C	URC. W/F	RIG	
:10pm	250		12	2		6	HOO	AHEA	D	101	0.000		
3:11Pm	250		80	5		6	MIX	200 SKS A-CON @12 124G					
3:22Pm	200		4	5		Q.	MIX	2005KS COMMON @ 15.6 PPG					
3:28Pm							SHULL	WWN-DROP I.K. HOG					
3.'31 PM	0)		5	STAK	TPE	HUAC	EMEN	ר		
:42Pm			_5			4	SUDI	NKA	+16	-1)-	0	001	
ESPM	200		63			イ	0 -1				PTH=98	25	
				_			and the second se	THRI					
							CIKC.	12 BB	170	PIT			
								J	OBC	OMPLE	TE,		
									7	HANK			
											EN LESL	Eg	
											~	\mathcal{I}	

Taylor Printing, Inc. 620-672-3656



TIOKET NO



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

							DATE HORET NO		
DATE OF 3/261	18 1				NEW Y				
CUSTOMER 1, D. Drilling Inc				LEASE Eugene WELL NO.2					
ADDRESS				COUNTY	Ban	Ion STATE AS			
CITY STATE				SERVICE CR	EWSC	atty, Scott, Maran, Pabe			
AUTHORIZED BY	Nack	Danis	-		JOB TYPE: 5/2 Longstring 2012				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQU	JIPMENT#	HRS	TRUCK CALLED DATE AM TIME		
86779	.8					-	ARRIVED AT JOB 3/25/18 AM 11:30		
;	1						START OPERATION 3/26/18 M 3:50		
		X					FINISH OPERATION J/26/15 MM 4'30		
						_	RELEASED 3/26/18 PM SIS		
						10	MILES FROM STATION TO WELL		

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.

SIGNED: X Mark Dau's By DLScott (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
CPIOS	AAZ Cement	SK	150		2550 0	20
CP103	60140 POZ	SK	30		3600	0
CC 107	Cellaflaks	16	38		140 00	0
1110	Salt	16	816		408 00	
CC113	Gussem	16	705		578 7	
CC148	C-17	15	71		1420 00	
10533	Gilsonite	16	901		6036	
10105	(-41P	16	71		284 00	
CC1751	Auto Fill Float Shoe 5/2	50	1		360 0	
CFGOT	atch down Plug + Battle 5/2	E.	1		400	
CF 1901	S/r Basket	54	1		140	
CF1651	Turbolizers 5/2	12	5		88000	0
CEISI -	Mad Flush	Cycl	1000		1500	
E-100 -	Unit Milrage Charge Pickup	MI	65		292 SC	
6101	Heavy Egerpment M. legge	MI	130		975 0	1
E113	Prop 1 Bulk Delivery Charge	TM	543		1356 8	
CEZHO	Blending & Mixing Service Chig	SK	180		252 00	1
120532	Depth Charge -5001-4000	4hi	1		2160	
(E504	Plug Container Alititation	Job			250 ª	-
5003	Service Supervisor	10	/	SUB TO FAL	175 8	2
CHE	MICAL / ACID DATA:			SUB-lelel	15186 90	2
_	SERVICE & EQUIF	MENT		X ON \$		
	MATERIALS			X ON \$		
			Di.	Scounted TOTAL	81.56 2	5
				T.	00000	
	1			www.		
SERVICE	THE ABOVE MATERIAL AND SER	/ICE		10.00		
REPRESENTATIV	E ORDERED BY CUSTOMER AND R	ECEIVE	BY: X Mal	K Davis By D	LSCOH	-

FIELD SERVICE OBDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

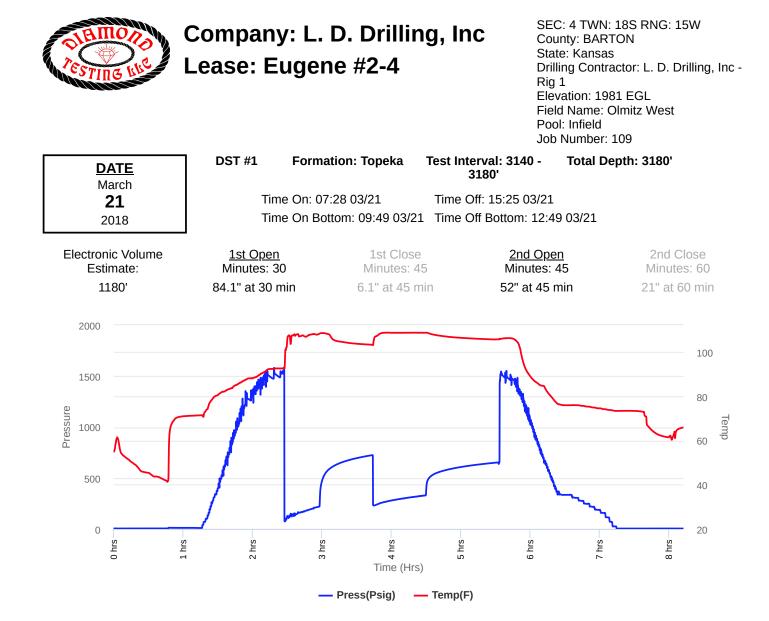


TREATMENT REPORT

Customer	Deillin	11	Inc		Lea	ase No.						Date						
Lease	6	7			We	# 2-4	1					~	121	6/18				
Field Order #		nD	Ratt			6	/	Casing	4	Depth	ו	County		1		S	tate	
Type Job_		on		lind			_	242		mation		1	D O	Legal [Description	1	RS	
PIPE	E DATA	G	1	ORATI	NG E	DATA		FLUID (JSED			-	TREA		RESU	ИĖ		
Casing Size	Tubing Si	ze	Shots/F				Acid					RATE	PRE		ISIP			
Depth SG66	Depth		From		То	_	Pre	Pad	Max		Мах		1		5 Min.	(
Volume7.75	Volume		From		То		Pad				Min				10 Mir	1.		
Max Press	Max Pres	s	From		То		Frac				Avg				15 Mir	۱.		
Well Connectio	n Annulus V	/ol,	From		То						HHP Use	əd			Annulu	us Press	sure	
Plug Depth	Packer De	əpth	From	-	То		Flus				Gas Volu	ıme			Total L	.oad		
Customer Rep	resentative	Do	ins			Station	Mana	ger	h	Jes	1erm	Trea	ter	co:11	130	ai	~ (
	96817	78	8982	867		1996		19.810									1	
Driver Names	Scott	M	rencu	-	1	obri	-/		Scot	44								
Time	Casing Pressure	(ssure	Bbls. F	Pumpe	d	B	late		5			Serv	ice Log				II.
11:30	3/25	-		1					On.	loc	ation	50	let	y MA	ectiv.	1 /	Dig (en) -
12:30	3/26								Rue	2 /	Floor	Equ	ip.	13	aske	1.	¥4	2
Parameter 1									Turb	05	3,5,	7,9,1	11,1	3,15	,17			\sum
3:00						_	_		Bire	sk	Circ	det	ón	on	hallo	m		
3:50	180							,5	Pur	20	FPO	50	110	/				
3:51	206		Ъ.	2	5		6	.5	Pur	np	m	d P	la	5.6	100	09	elle	247
3:55	70:0		_	20	9	_	6.		tun	p	1-170	51	ur	er				
3:56	270	_		S			6.		5-10	11	10	neo	1	150	SHS	AA	2	14.87
4:03	Ø	-		4,	1	-	6	5	541	11	dou	m						
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4:06			<u> </u>					_	11er	cers		lug		- à				
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									JEB	Ce	ano,	lete						
											- 1	1						

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Taylor Printing, Inc. 620-672-3656



resting to		• •	L. D. Drill jene #2-4	ing, Ind	C Col Sta Dril Rig Ele Fie Poo		L. D. Drilling, Inc -			
	DATE DST #1 Formation: Topeka					Test Interval: 3140 - Total Depth: 3180' 3180'				
March				_						
21			n: 07:28 03/21		ff: 15:25 03/21					
2018		Time C	n Bottom: 09:49 03	1/21 Time Of	f Bottom: 12:4	9 03/21				
<u>Reco</u>	vered									
<u>Foot</u>	BBLS	<u>Descript</u>	ion of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	Mud %			
661	6.78186		G	100	0	0	0			
32	0.32832		0	0	100	0	0			
315	3.2319	OCH	HGCW	35	25	40	0			
378	3.87828	SLMC	SLOCW	0	5	94	1			
	Total Recovered: 1386 ft Total Barrels Recovered: 14.22036 NO				Recovery at a glance					
Initial Hydros	tatic Pressure	1552	PSI							
	Initial Flow	78 to 220	PSI	5 – – – – – – – – – – – – – – – – – – –						
Initial Closed	l in Pressure	724	PSI	Ξ						
Final F	low Pressure	230 to 330	PSI							
Final Closed	l in Pressure	653	PSI							
Final Hydrostatic Pressure 1546		PSI	0		Recove	ny				
	Temperature	109	°F			Necove	' y			
	Change Initial e / Final Close	9.8	%		Gas 55.65%		Vater Mud 4.73% 0.27%			



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

DATE March	DST #1	Formation: Topeka	Test Interval: 3140 - 3180'	Total Depth: 3180'
21	Time	e On: 07:28 03/21	Time Off: 15:25 03/21	
2018	Time	e On Bottom: 09:49 03/21	Time Off Bottom: 12:49	03/21

REMARKS:

Initial Flow: 2 in. blow increasing. BOB in 2 mins. Initial Shut-in: 6 in. blow back. Final Flow: 3 in. blow increasing. BOB in 5 mins. Final Shut-in: BOB blow back.

Gravity: 10 @ 60 degrees F

Ph: 7

RW: .125 @ 60 degrees F

Chlorides: 73,000 ppm



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

DATE March	DST #1	Formation: Topeka	Test Interval: 3140 - 3180'	Total Depth: 3180'
21	Tim	e On: 07:28 03/21	Time Off: 15:25 03/21	
2018	Tim	e On Bottom: 09:49 03/21	Time Off Bottom: 12:49	03/21

Down Hole Makeup

Heads Up:	25.42 FT	Packer 1:	3135 FT
Drill Pipe:	3132.85 FT	Packer 2:	3140 FT
ID-3 1/4		Top Recorder:	3124.42 FT
Weight Pipe: ID-2 7/8	FT	Bottom Recorder:	3142 FT
Collars:	FT	Well Bore Size:	7 7/8
ID-2 1/4		Surface Choke:	1"
Test Tool: ID-3 1/2-FH Jars Safety Joint	33.57 FT	Bottom Choke:	5/8"
Total Anchor:	20		
<u>Anchor</u> Packer Sub:	Makeup		
	1 FT		
Perforations: (top): 4 1/2-FH	FT		
Change Over:	FT		
Drill Pipe: (in anchor): ID-3 1/4	FT		
Change Over:	FT		
Perforations: (below): 4 1/2-FH	19 FT		



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

<u>DATE</u> March	DST #1	Formation: Topeka	Test Interval: 3140 - 3180'	Total Depth: 3180'					
21 2018		me On: 07:28 03/21 me On Bottom: 09:49 03/2:	Time Off: 15:25 03/21 1 Time Off Bottom: 12:4	9 03/21					
Mud Properties									

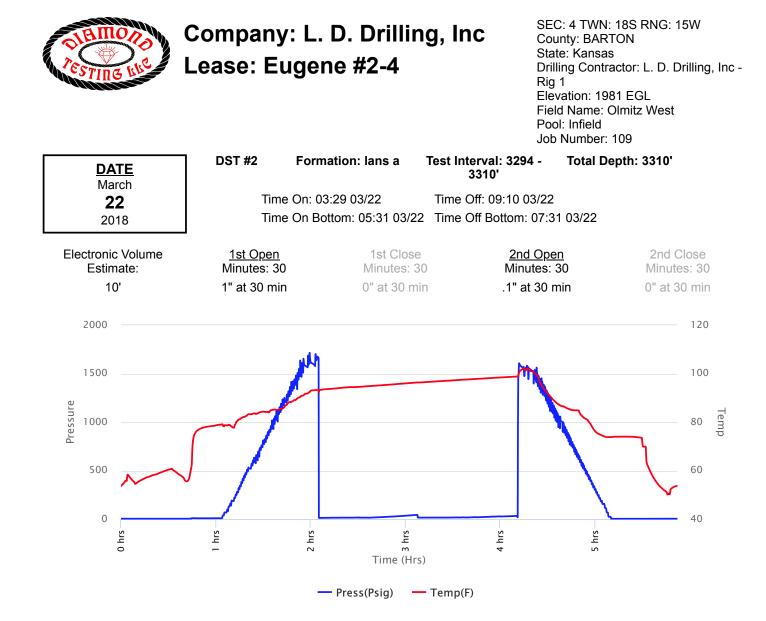
Mud Type: Chemical We

Weight: 8.7

Viscosity: 72

Filtrate: 8.0

Chlorides: 3,300 ppm



		: L. D. Drilli ıgene #2-4	ng, Inc	Cou Sta Dril Rig Ele Fiel Poo	•	L. D. Drilling, Inc - L			
DATE March	DST #2	Formation: lans a	Test Interv 331		Total Depth:	3310'			
22	Time	e On: 03:29 03/22	Time Off	09:10 03/22					
2018		e On Bottom: 05:31 03/			1 03/22				
	2010								
Recovered	Decor	intion of Fluid			Motor 9/	Mud 0/			
Foot BBLS 1 0.0102		<u>iption of Fluid</u> OCHWCM	<u>Gas %</u> 0	<u>Oil %</u> 3	<u>Water %</u> 47	<u>Mud %</u> 50			
1 0.0102	0 JL		0	5	47	50			
Total Recovered: 1 f Total Barrels Recove	-	Reversed Out NO	0.005 —	Recover	ry at a glance				
Initial Hydrostatic Press	sure 1590	PSI							
Initial F	low 13 to 17	PSI	Lange 10.0025						
Initial Closed in Press	sure 45	PSI	Ξ 0.0023						
Final Flow Press	sure 18 to 18	PSI							
Final Closed in Press	sure 20	PSI	0						
Final Hydrostatic Press	ure 1578	PSI			Reco	overy			
Tempera	ture 99	°F							
Pressure Change Ir Close / Final C		%		Gas 0%	• Oil • Wa 3% 479				



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

Total Depth: 3310'

DATE	
March	
22	
2018	
	_

DST #2 Formation: lans a

- Test Interval: 3294 3310'

Time On: 03:29 03/22 Time Off: 09:10 03/22

Time On Bottom: 05:31 03/22 Time Off Bottom: 07:31 03/22

REMARKS:

IF: wsb - built to 1" IS: nobb FF: wsb - no build FS: nobb

Ph: 7

RW: .45 @ 48 degrees F

Chlorides: 23000 ppm



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

DATE March	DST #2	Formation: lans a	Test Interval: 3294 - 3310'	Total Depth: 3310'
22	Tim	e On: 03:29 03/22	Time Off: 09:10 03/22	
2018	Tim	e On Bottom: 05:31 03/22	Time Off Bottom: 07:31	03/22
L	1		_	

Down Hole Makeup

Heads Up:	16.68 FT	Packer 1:	3289 FT
Drill Pipe:	3278.11 FT	Packer 2:	3294 FT
ID-3 1/4		Top Recorder:	3278.42 FT
Weight Pipe: ID-2 7/8	FT	Bottom Recorder:	3296 FT
Collars:	0 FT	Well Bore Size:	7 7/8
ID-2 1/4		Surface Choke:	1"
Test Tool: ID-3 1/2-FH Jars Safety Joint	33.57 FT	Bottom Choke:	5/8"
Total Anchor:	16		
	Makeup		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	FT		
Change Over:	FT		
Drill Pipe: (in anchor): ID-3 1/4	FT		
Change Over:	FT		
Perforations: (below): 4 1/2-FH	15 FT		



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

DATE March	DST #2	Formation: lans a	Test Interval: 3294 - 3310'	Total Depth: 3310'
22 2018		ne On: 03:29 03/22 ne On Bottom: 05:31 03/2	Time Off: 09:10 03/22 2 Time Off Bottom: 07:3	
		Mud Prope	erties	

Mud Type: chemical

Weight: 8.7

Viscosity: 72

Filtrate: 8.0

Chlorides: 3300 ppm

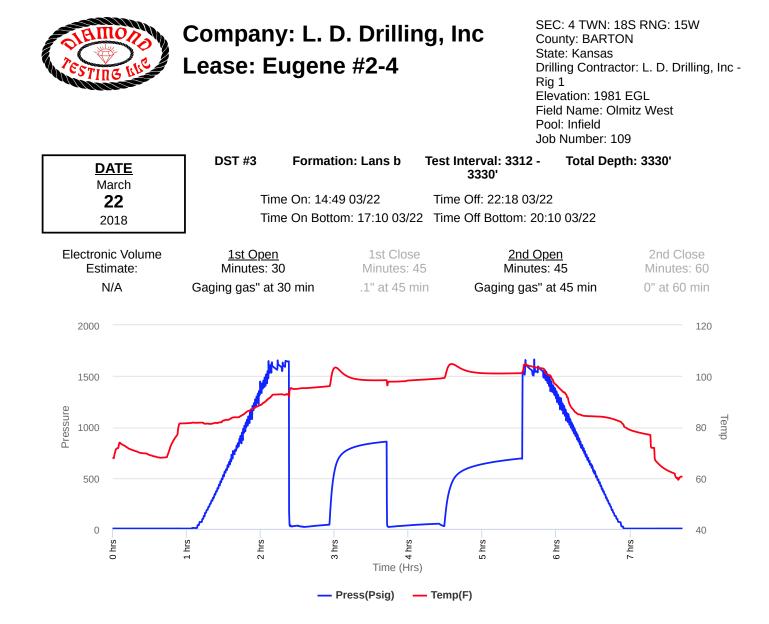


SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

DATE March	DST #2	Formation: lans a	Test Interval: 3294 - 3310'	Total Depth: 3310'
22 2018		ne On: 03:29 03/22 ne On Bottom: 05:31 03/22	Time Off: 09:10 03/22 Time Off Bottom: 07:31	03/22

Gas Volume Report

1st Open				2nd Open				
Time	Orifice	PSI	MCF/D	Time Orifice PSI				MCF/D



		: L. D. Drilliı gene #2-4	ng, Inc	Cou Sta Dril Rig Ele Fiel Poo	-	D. Drilling, Inc -
DATE March	DST #3	Formation: Lans b	Test Interv 333		Total Depth: 3	330'
22	Time	On: 14:49 03/22	Time Off:	22:18 03/22		
2018	Time	On Bottom: 17:10 03/2	2 Time Off	Bottom: 20:1	0 03/22	
Recovered						
Foot BBLS		<u>ption of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
36 0.36936	SLOCS	SLGCHWCM	13	2	30	55
Total Recovered: 36 Total Barrels Recove	-	Reversed Out NO	0.2	Recover	ry at a glance	
Initial Hydrostatic Press	ure 1645	PSI				
Initial Fl		PSI a	í			
Initial Closed in Press	ure 857	PSI	0.1			
Final Flow Press	ure 20 to 52	PSI				
Final Closed in Press	ure 692	PSI				
Final Hydrostatic Pressu	ire 1616	PSI	0			
Temperat	ure 105	°F			Recover	у
Pressure Change Ini Close / Final Clo		%		Cas 13%	• Oil • Wat 2% 30%	



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

Total Depth: 3330'

DATE	
March	
22	
2018	

REMARKS: IF: bb instant IS: wsbb FF: bb instant FS: NOBB

Ph: 7

RW: .31 @ 61 degrees F

Chlorides: 26000 ppm

DST #3 Formation: Lans b

Test Interval: 3312 -

3330'

Time On: 14:49 03/22 Time On Bottom: 17:10 03/22 Time Off Bottom: 20:10 03/22

Time Off: 22:18 03/22



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

DATE March	DST #3	Formation: Lans b	Test Interval: 3312 - 3330'	Total Depth: 3330'
22	Tim	ne On: 14:49 03/22	Time Off: 22:18 03/22	
2018	Tim	ne On Bottom: 17:10 03/22	Time Off Bottom: 20:10	03/22

Down Hole Makeup

Heads Up:	28.7 FT	Packer 1:	3307 FT
Drill Pipe:	3308.13 FT	Packer 2:	3312 FT
ID-3 1/4		Top Recorder:	3296.42 FT
Weight Pipe: ID-2 7/8	FT	Bottom Recorder:	3314 FT
Collars:	0 FT	Well Bore Size:	7 7/8
ID-2 1/4		Surface Choke:	1"
Test Tool: ID-3 1/2-FH Jars Safety Joint	33.57 FT	Bottom Choke:	5/8"
Total Anchor:	18		
Anchor	<u>Makeup</u>		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	FT		
Change Over:	FT		
Drill Pipe: (in anchor): ID-3 1/4	FT		
Change Over:	FT		
Perforations: (below): 4 1/2-FH	17 FT		



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

DATE March	DATE DST #3		Test Interval: 3312 - 3330'	Total Depth: 3330'	
22 2018		ne On: 14:49 03/22 ne On Bottom: 17:10 03/2	Time Off: 22:18 03/22 7 Time Off Bottom: 20:10 03/22		
		Mud Prope	erties		

Mud Type: Chemical

Weight: 9.0

Viscosity: 62

Filtrate: 9.2

Chlorides: 7200 ppm



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

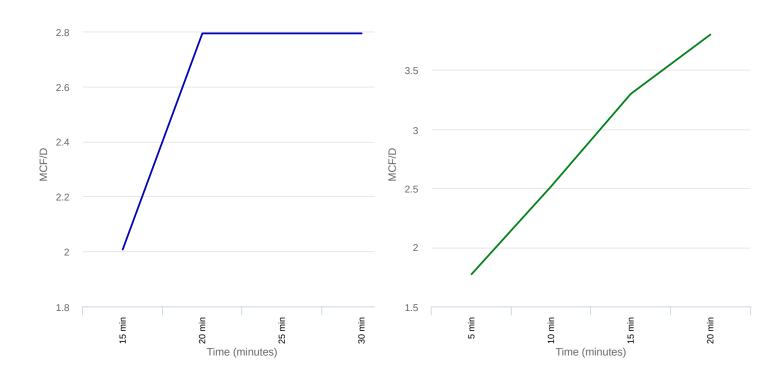
DATE
March
22
2018

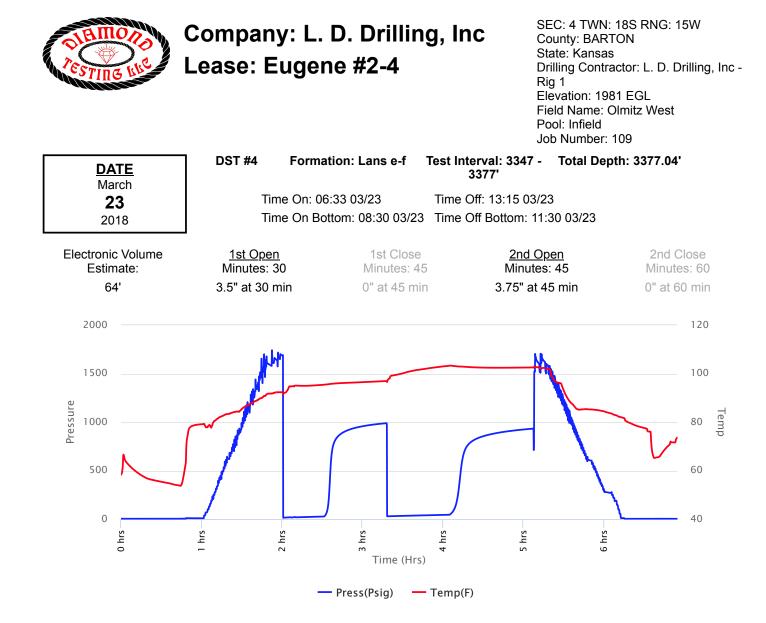
DST #3 Formation: Lans b Test Interval: 3312 - Total Depth: 3330' 3330' Time On: 14:49 03/22 Time Off: 22:18 03/22 Time On Bottom: 17:10 03/22 Time Off Bottom: 20:10 03/22

Gas Volume Report

Remarks: Gts in 10 min. Gas sample takin at 22 min.

1st Open								
Time	Orifice	PSI	MCF/D] [Time	Orifice	PSI	MCF/D
15	0.0625	5.0	2.007		5	0.0625	4.0	1.772
20	0.0625	9.0	2.793		10	0.0625	7.5	2.516
25	0.0625	9.0	2.793		15	0.0625	12	3.299
30	0.0625	9.0	2.793		20	0.0625	15	3.801
					25	0.0625	18	
					30	0.0625	20	
					35	0.0625	24	
					45	0.0625	25	





	ompany: ease: Eug	Ca St Di Ri El Fi Po	EC: 4 TWN: 18S bunty: BARTON ate: Kansas illing Contractor: g 1 evation: 1981 EC eld Name: Olmitz bol: Infield b Number: 109	L. D. Drilling, Inc -		
DATE	DST #4 F	ormation: Lans e-f		val: 3347 -	Total Depth: 3	377.04'
March						
23	Time C	Dn: 06:33 03/23	Time Off	: 13:15 03/2	3	
2018	Time C	On Bottom: 08:30 03/2	3 Time Off	Bottom: 11:	30 03/23	
Recovered						
Foot BBLS	Descript	tion of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	<u>Mud %</u>
15 0.1539		W	0	0	100	0
50 0.513	SLC	CMCW	0	1	79	20
Total Recovered: 65 ft Total Barrels Recovered: 0.6669 NO			0.5	Recove	ery at a glance	
Initial Hydrostatic Pressu	re 1634	PSI				
Initial Flo						
Initial Closed in Pressu		PSI	0.25			
Final Flow Pressu		PSI				
Final Closed in Pressu		PSI	0			
Final Hydrostatic Pressur		PSI	0		Reco	overy
Temperatu		°F				
Pressure Change Initi Close / Final Clos	al 5.6	%		Gas O%	0 Oil 🔍 Wa 0.77% 83	ter ● Mud .85% 15.38%



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

DATE March 23 2018

DST #4 Formation: Lans e-f

Test Interval: 3347 -Total Depth: 3377.04' 3377'

Time On: 06:33 03/23 Time On Bottom: 08:30 03/23 Time Off Bottom: 11:30 03/23

Time Off: 13:15 03/23

REMARKS: If: wsb built to 3.5 in 30min Is: nobb Ff: wsb built to 3.75 in45min Fs: nobb

TOOLSAMPLE :97W - 3M -WITH OIL SPECKS

TRACE OF OIL IN UPPER 15 FT OF RECOVERY

Ph: 7.0

RW: .28 @ 70 degrees F

Chlorides: 28000 ppm



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

DATE March		Test Interval: 3347 - Total Depth: 3377.0 3377'	
23	Time On: 06:33 03/23	Time Off: 13:15 03/23	
2018	Time On Bottom: 08:30 03/23	Time Off Bottom: 11:30 03/23	

Down Hole Makeup

Heads Up:	24.661 FT	Packer 1:	3342.04 FT
Drill Pipe:	3339.131 FT	Packer 2:	3347.04 FT
ID-3 1/4		Top Recorder:	3331.46 FT
Weight Pipe: ID-2 7/8	FT	Bottom Recorder:	3349.04 FT
Collars:	FT	Well Bore Size:	7 7/8
ID-2 1/4		Surface Choke:	1"
Test Tool: ID-3 1/2-FH Jars Safety Joint	33.57 FT	Bottom Choke:	5/8"
Total Anchor:	30		
Anchor	<u>Makeup</u>		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	FT		
Change Over:	FT		
Drill Pipe: (in anchor): ID-3 1/4	FT		
Change Over:	FT		
Perforations: (below): 4 1/2-FH	29 FT		



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

DATE March	DST #4 Formation: Lans e-f Test Interval: 3347 - Total Depth: 3377.04' 3377'
23	Time On: 06:33 03/23 Time Off: 13:15 03/23
2018	Time On Bottom: 08:30 03/23 Time Off Bottom: 11:30 03/23
	Mud Properties

Mud Type: Chemical W

Weight: 9

Viscosity: 62

Filtrate: 9.2

Chlorides: 7200 ppm

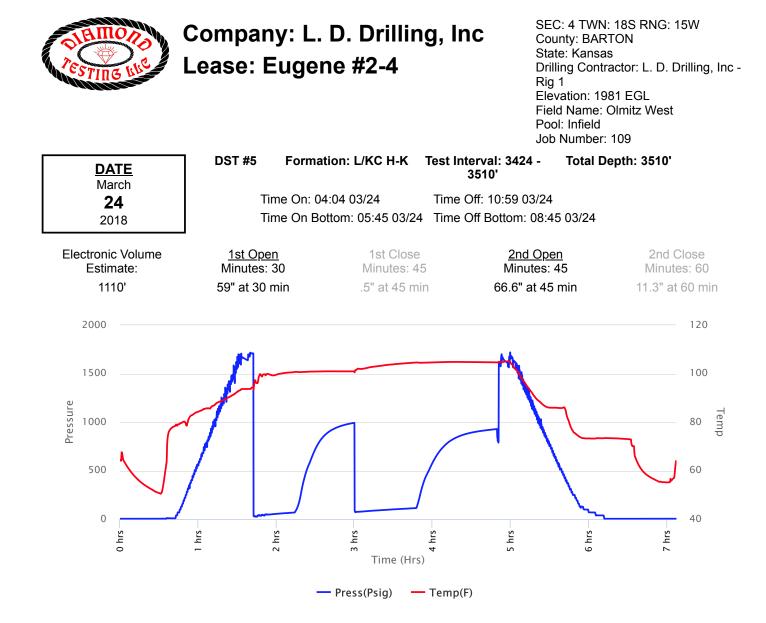
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resting will	

SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

DATE March	DST #4	Formation: Lans e-f	Test Interval: 3347 - 3377'	Total Depth: 3377.04'
23 2018		ne On: 06:33 03/23 ne On Bottom: 08:30 03/23	Time Off: 13:15 03/23 Time Off Bottom: 11:3	

Gas Volume Report

	1st Open 2nd Open							
Time	Orifice	PSI	MCF/D		Time	Orifice	PSI	MCF/D



REMOTAS RESTING MIC	Company: Lease: Eu	L. D. Drilli gene #2-4	ng, Inc	Cou Stat Drill Rig Elev Field Poo		r: L. D. Drilling, Inc - GL
DATE March	DST #5 F	ormation: L/KC H-K	Test Interv 35	val: 3424 - 10'	Total Depth	: 3510'
24	Time	On: 04:04 03/24	Time Off:	10:59 03/24		
2018	Time	On Bottom: 05:45 03/2	24 Time Off	Bottom: 08:45	5 03/24	
Recovered	1					
Foot BBLS	Descrin	tion of Fluid	Gas %	Oil %	Water %	Mud %
848 8.7004		G	<u>100</u>	0	0	0
172 1.7647		LGCSLWCO	15	52	18	15
50 0.513		LOCHMCW	2	2	66	30
Total Recovered: 10 Total Barrels Recov		Reversed Out NO		Recover	y at a glanc	e
Initial Hydrostatic Pres	sure 1676	PSI				
Initial	Flow 29 to 71	PSI	J 5			
Initial Closed in Pres	sure 994	PSI				
Final Flow Pres	sure 73 to 114	PSI				
Final Closed in Pres	sure 929	PSI	0			
Final Hydrostatic Pres	sure 1681	PSI			Reco	very
Tempera Pressure Change I		°F %	•	Gas 81.76%	Oil 8.45%	Water • Mud 5.98% 3.81%
Close / Final C	Close					



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

Total Depth: 3510'

DATE March 24 2018

REMARKS: if: 1" - b0b in 6 min is: wsbb ff: 4" - bob in 4 min fs: 11.3 in 45min

tool sample: 3g-87o-6w-4m

Ph: 9

RW: .14 @ 55 degrees F

Chlorides: 70000 ppm

DST #5 Formation: L/KC H-K

- Test Interval: 3424 3510'

 Time On: 04:04 03/24
 Time Off: 10:59 03/24

 Time On Bottom: 05:45 03/24
 Time Off Bottom: 08:45 03/24



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

DATE March	DST #5	Formation: L/KC H-K	Test Interval: 3424 - 3510'	Total Depth: 3510'
24	Ti	me On: 04:04 03/24	Time Off: 10:59 03/24	
2018	Ti	me On Bottom: 05:45 03/24	Time Off Bottom: 08:45	03/24

Down Hole Makeup

Heads Up:	11.74 FT	Packer 1:	3419.13 FT
Drill Pipe:	3403.3 FT	Packer 2:	3424.13 FT
ID-3 1/4		Top Recorder:	3408.55 FT
Weight Pipe: ID-2 7/8	FT	Bottom Recorder:	3492 FT
Collars:	FT	Well Bore Size:	7 7/8
ID-2 1/4		Surface Choke:	1"
Test Tool: ID-3 1/2-FH Jars Safety Joint	33.57 FT	Bottom Choke:	5/8"
Total Anchor:	85.87		
Anchor	<u>Makeup</u>		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	2 FT		
Change Over:	1 FT		
Drill Pipe: (in anchor): ID-3 1/4	61.87 FT		
Change Over:	1 FT		
Perforations: (below): 4 1/2-FH	19 FT		

PESTING INC	-	y: L. D. Drillir Eugene #2-4	ng, Inc	SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc - Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109
DATE March	DST #5	Formation: L/KC H-K	Test Interval: 3424 3510'	- Total Depth: 3510'
24	Tir	me On: 04:04 03/24	Time Off: 10:59 03	/24
2018	Tir	ne On Bottom: 05:45 03/2	4 Time Off Bottom: 0	8:45 03/24
	—	Mud Prope	erties	

Mud Type: Chemical Weight: 9.2

Viscosity: 56

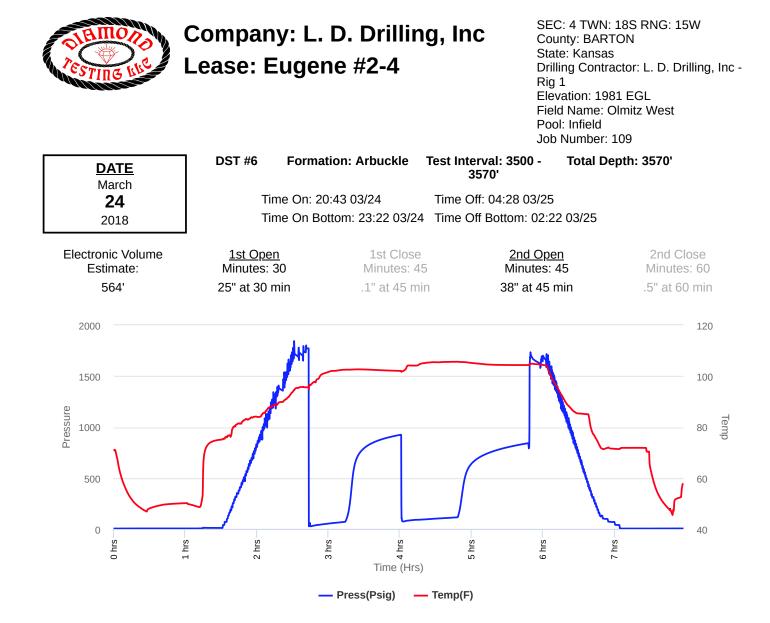
Filtrate: 12

Chlorides: 8300 ppm

ł		•	ny: L. D. Drillin Eugene #2-4	ig, Inc	County: B State: Kar Drilling Co Rig 1 Elevation:	nsas ontractor: L. D. Drilling, Inc - : 1981 EGL ne: Olmitz West eld
[DATE March	DST #5	Formation: L/KC H-K	Test Interval: 3424 3510'	- Tota	al Depth: 3510'
	24 2018		ime On: 04:04 03/24 ime On Bottom: 05:45 03/24	Time Off: 10:59 03 Time Off Bottom: 0		4

Gas Volume Report

	1st Open 2nd Open							
Time	Orifice	PSI	MCF/D		Time	Orifice	PSI	MCF/D



	Company: _ease: Eu	L. D. Drilliı gene #2-4	ng, Inc	Cou Stat Drill Rig Elev Fiel Poo		L. D. Drilling, Inc -
DATE March	DST #6 Fe	ormation: Arbuckle	Test Interv 357		Total Depth:	3570'
24	Time C	Dn: 20:43 03/24	Time Off:	04:28 03/25		
2018	Time C	On Bottom: 23:22 03/2	4 Time Off	Bottom: 02:2	2 03/25	
Recovered						
Foot BBLS	Descrip	tion of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	<u>Mud %</u>
378 3.87828	-	G	100	0	0	0
252 2.58552	SLWCS	LGCHMCO	4	53	3	40
Total Recovered: 630 Total Barrels Recove	-	Reversed Out NO	4	Recover	y at a glance	
Initial Hydrostatic Press	ure 1732	PSI				
Initial F	low 26 to 73	PSI				
Initial Closed in Press	ure 925	PSI	2			
Final Flow Press	ure 73 to 120	PSI				_
Final Closed in Press	ure 842	PSI				
Final Hydrostatic Press	ure 1735	PSI	0		Recove	
Temperat	ure 106	°F			_	·
Pressure Change In Close / Final Cl		%		Gas 61.6%	•	Water Mud 1.2% 16%



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

DATE March 24 2018

DST #6 Formation: Arbuckle

Test Interval: 3500 -3570'

Total Depth: 3570'

Time On: 20:43 03/24 Time On Bottom: 23:22 03/24 Time Off Bottom: 02:22 03/25

Time Off: 04:28 03/25

REMARKS: If: 1" Bob in 13.5 min Is: wsb Ff: 1" Bob in 9 min Fs: .5 bb

tool sample: 95-o - 1w - 4m



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

DATE March	DST #6	Formation: Arbuckle	Test Interval: 3500 - 3570'	Total Depth: 3570'
24	Tin	ne On: 20:43 03/24	Time Off: 04:28 03/25	
2018	Tin	ne On Bottom: 23:22 03/24	Time Off Bottom: 02:22	2 03/25

Down Hole Makeup

Heads Up:	29.28 FT	Packer 1:	3495 FT
Drill Pipe:	3496.71 FT	Packer 2:	3500 FT
ID-3 1/4		Top Recorder:	3484.42 FT
Weight Pipe: ID-2 7/8	FT	Bottom Recorder:	3477 FT
Collars:	FT	Well Bore Size:	7 7/8
ID-2 1/4		Surface Choke:	1"
Test Tool: ID-3 1/2-FH Jars Safety Joint	33.57 FT	Bottom Choke:	5/8"
Total Anchor:	70		
	<u>Makeup</u>		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	2 FT		
Change Over:	1 FT		
Drill Pipe: (in anchor): ID-3 1/4	31 FT		
Change Over:	1 FT		
Perforations: (below): 4 1/2-FH	34 FT		



SEC: 4 TWN: 18S RNG: 15W County: BARTON State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 1981 EGL Field Name: Olmitz West Pool: Infield Job Number: 109

<u>DATE</u> March	DST #6	Formation: Arbuckle	Test Interval: 3500 - 3570'	Total Depth: 3570'
24 2018	-	īme On: 20:43 03/24 īme On Bottom: 23:22 03/2	Time Off: 04:28 03/25 4 Time Off Bottom: 02:22	
		Mud Prope	rties	

Mud Type: Chemical V

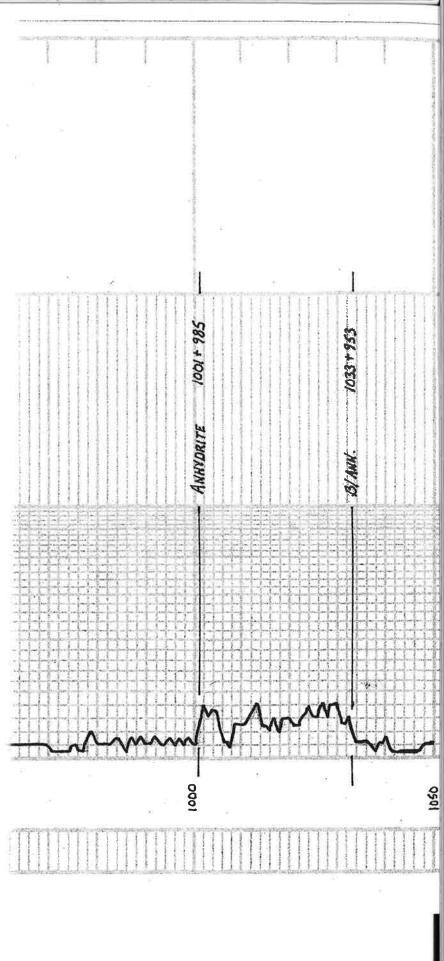
Weight: 9.2

Viscosity: 48

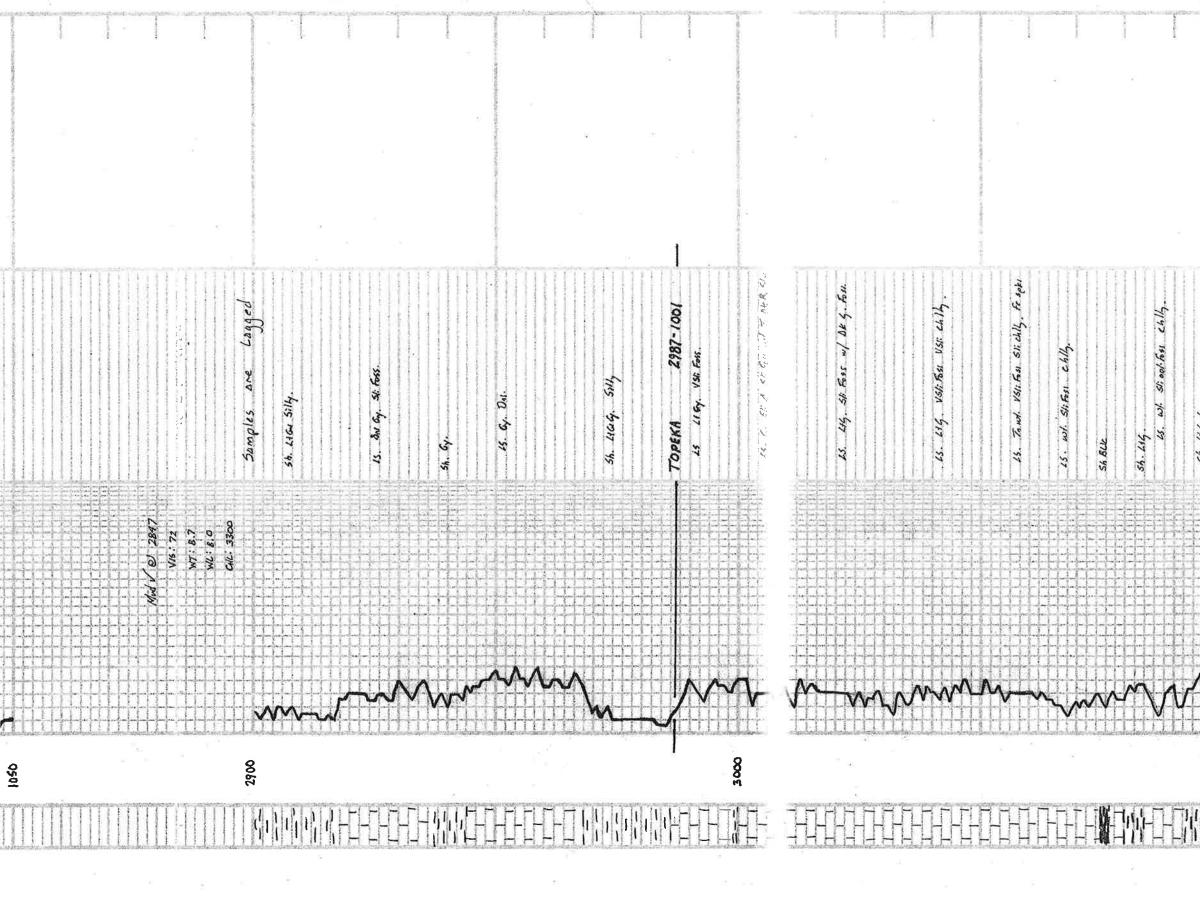
Filtrate: 9.6

Chlorides: 8200 ppm

GEOL L.D.E *2.4 FIELD OI LOCATION 3055' SEC 4 WP BARTON BARTON COMMENTOR L.D.D SPUE 3-16-18	EUGENE LMITZ WEST FSL + 2310' FEL 185 RCE STATE KANS RILLING, TNC. COMP 3+26	S REI D SALPLE L' Martin d'Aller Martin d'Aller Mar	6 1986 1981 1981 1986 KB 1986 KB 1986 KB 1986 KB	API: 15-009-26198	*: This is a "twin" to 1-9 Eugene 7-31-17 - 8-9-17 Original well be	drilled 85' North of 15t location.	carb at Lincotata Coll. Linte Clarit	SAMPLE DESCRIPTIONS
NED UP 2815 SAMPLES SAVED FROM DRILLING TIME KEPT SAMPLES EXAMINED F OFGLOGICAL SUPERVIS	FROM SION FROM	EMICAL 2900 2900 2900 3000	ELECTRICAL SUPVEYS DUAL THD., DENS-N. MILRO 10 3670 10 3670 10 3670				POOT IN MIRUTES	
SAMPLES SAVED FROM ORILLING TIME KEPT SAMPLES EXAMINED P GEOLOGICAL SUPERVIS GEOLOGIST ON WELL	TYPE HUD C	KEMICAL 2900 2900 2900 3000 AKER	DUAL THO., DENS-N. MILRO 10 3670 10 3670 10 3670				Salt Substance Shale Shaee Shaee Shaee Shaee Shaee Shaee Shaee Shaee Shae Sha	
SAMPLES SAVED FROM DRILLING TIME KEPT SAMPLES EXAMINED F GEOLOGICAL SUPERVIS GEOLOGIST ON WELL FORMATION TOPS	TYPE HUD C	Kemical 2900 2900 2900 3000 Aker SAMPLES	DUAL THO., DENS-N. MILRO 10 3670 10 3670 10 3670				Salt Surveyore Shots NG TIME IN MIRUTES PER FOOT	
SAMPLES SAVED FROM DRULING TIME KEPT SAMPLES EMAMINED F GEOLOGICAL SUPERVIS GEOLOGIST ON WELL FORMATION TOPS ANHYDRITE B/ANH	TYPE HUD C FROM ROM BON FROM Kim B . Shoem. LOG LOG 1002 + 984 1030 + 956	LEMICAL 2900 2900 2900 3000 AKER SAMPLES 1001 + 985 1033 + 963	DUAL THO., DENS-N. MILRO 10 3670 10 3670 10 3670				Salt Surveyore Shots NG TIME IN MIRUTES PER FOOT	
SAMPLES SAVED FROM DRILLING TIME KEPT SAMPLES EXAMINED F OF OLOCICAL SUPERVIS OF OLOCICAL SUPERVIS OF OLOCIST ON WELL FORMATION TOPS ANHY DRITE B/ANH TO PEKA HEEBNER	TYPE MUD C	EMICAL 2900 2900 2900 3000 AKER SAMPLES 1033+ 963 2987- 1001 3224 - 1238	DUAL THO., DENS-N. MILRO 10 3670 10 3670 10 3670				Salt Substance Shale Shaee Shaee Shaee Shaee Shaee Shaee Shaee Shaee Shae Sha	
SAMPLES SAVED FROM DRILLING TIME KEPT SAMPLES EXAMINED F OEOLOGICAL SUPERVIS CEOLOGIST ON WELL FORMATION TOPS ANHY DRITE B/ANH TOPEKA HEEBNER LANSING	TYPE MUD C	LEMICAL 2900 2900 2900 3000 AKER SAMPLES 1001 + 985 1033 + 953 2987 - 1001	DUAL THO., DENS-N. MILRO 10 3670 10 3670 10 3670 10 3670 10 3670	03.	20. 10. 10.	0, 0, 0,	Anhydrike Salt Sunstante DRILLING TIME IN MINUTES PER FOOT Rete of Permitten Invivance	
SAMPLES SAVED FROM DRULING TIME KEPT SAMPLES EXAMINED F OEOLOGICAL SUPERVIS OFOLOGIST ON WELL FORMATION TOPS ANHY DRITE 5/ANN. TO PEKA HEE BNER	TYPE MUD C	4EMICAL 2900 2900 2900 3000 AKER SAMPLES 1031+985 1033+963 2987-1001 3224-1238 3302-1316	Dual TND., DENS-N. MILRO 10 3670 10 3670 10 3670 10 3670	REMARKS 3-16-18 \$PUD 3-17 @1003*	e 1423 e) 2270 e) 2817' e) 3180'	3.24 @ 3510 3.29 @ 3377' 3.26 @ 3510' 3.26 @ 3570' 3.26 @ 3670'	Anhydrike Salt Sunstante DRILLING TIME IN MINUTES PER FOOT Rete of Permitten Invivance	



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58: 6" 39: 86 16 m Baten Tem. 109°F 160-3180 DST (1) 3 Znd OPEN Rec. Nood 15. which Sithese tos Calcin, 15. Towl. Si Fass chily 25 4. 51 108. Vryy F. 4 4 DE B. Hvy SH. 1310 DE B. Hvy. VSE Fass. C14 . VSI: 4 25. To f. VShid 24 56.44.9.9. .50 Sh. HUS. 57 A DEB. sh bik. 54.9. 3100 -1H. HH T

