

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1275637

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15							
Name:	Spot Description:							
Address 1:								
Address 2:	Feet from North / South Line of Section							
City: State: Zip:+	Feet from East / West Line of Section							
Contact Person:	Footages Calculated from Nearest Outside Section Corner:							
Phone: ()	□NE □NW □SE □SW							
CONTRACTOR: License #	GPS Location: Lat:, Long:							
Name:	(e.g. xx.xxxxxx) (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:							
□ Oil □ WSW □ SHOW □ Gas □ D&A □ ENHR □ SIGW □ OG □ GSW □ Temp. Abd. □ CM (Coal Bed Methane) □ Cathodic □ Other (Core, Expl., etc.): □ If Workover/Re-entry: Old Well Info as follows: Operator: Well Name:	Producing Formation: Elevation: Ground: Kelly Bushing: Feet Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.							
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)							
□ Commingled Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite:							
GSW Permit #:	Cuerter See Two S R Total West							
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSec. TwpS. R East West County: Permit #:							

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY									
Confidentiality Requested									
Date:									
Confidential Release Date:									
Wireline Log Received									
Geologist Report Received									
UIC Distribution									
ALT I III Approved by: Date:									

Page Two



Operator Name:			Lease Name: _	e: Well #:							
Sec Twp	S. R	East West	County:								
open and closed, flow and flow rates if gas t	ving and shut-in presson to surface test, along w	formations penetrated. I ures, whether shut-in pro vith final chart(s). Attach	essure reached stati n extra sheet if more	c level, hydrosta space is neede	itic pressures, bott d.	tom hole tempe	erature, fluid r	recovery,			
		otain Geophysical Data a or newer AND an image		egs must be ema	ailed to kcc-well-lo	gs@kcc.ks.gov	n. Digital elec	tronic log			
Drill Stem Tests Taken (Attach Additional	•	Yes No		_	on (Top), Depth ar		Samp				
Samples Sent to Geo	ological Survey	☐ Yes ☐ No	Nam	e		Тор	Datur	m			
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No									
List All E. Logs Run:											
		CASING	RECORD Ne	ew Used							
		Report all strings set-	conductor, surface, inte	ermediate, product	ion, etc.						
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and P Additiv				
		ADDITIONAL	OFMENTING / OOL								
Purpose:	Depth		CEMENTING / SQL	JEEZE RECORD		araant Additiraa					
Perforate	Top Bottom	Type of Cement	# Sacks Used		Type and F	ercent Additives					
Protect Casing Plug Back TD											
Plug Off Zone											
Did vou perform a hydra	ulic fracturing treatment o	on this well?		Yes	No (If No, ski	p questions 2 ar	nd 3)				
	=	raulic fracturing treatment ex	xceed 350,000 gallons			p question 3)	,				
Was the hydraulic fractu	ring treatment information	n submitted to the chemical	disclosure registry?	Yes	No (If No, fill	out Page Three	of the ACO-1)				
Shots Per Foot		ON RECORD - Bridge Plug Footage of Each Interval Per			cture, Shot, Cement			Depth			
	Сроспу Г	octago of Laon morvari of	ioratou	(>1	mount and rand or ma	teriar Good)		Борит			
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No						
Date of First, Resumed	Production, SWD or EN										
Fotimeted Day 1 . C	0" -	Flowing			Other (Explain)) O" D "					
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf Wate	er B	bls. G	Gas-Oil Ratio	Gr 	ravity			
DISPOSITI	ON OF GAS:	1	METHOD OF COMPLE	ETION:		PRODUCTIO	ON INTERVAL:				
Vented Sold		Open Hole	Perf. Dually	Comp. Con	mmingled						
	bmit ACO-18.)	Other (Specify)	(Submit)	ACO-5) (Sub	omit ACO-4)						

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	JULIUS 1-23
Doc ID	1275637

Tops

Name	Тор	Datum				
ANHYDRITE	1799	+610				
BASE ANHYDRITE	1838	+571				
HEEBNER	3783	-1374				
LANSING	3821	-1412				
BASE KANSAS CITY	4092	-1683				
PAWNEE	4199	-1790				
FORT SCOTT	4290	-1881				
CHEROKEE	4312	-1903				
MISSISSIPPI CHERT	4382	-1973				

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	JULIUS 1-23
Doc ID	1275637

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	305	60/40 POZMIX	3%CC,1/4 # Cellflake

DIAMOND TESTING

General Information Report

General Information

Company Name L.D. DRILLING, INC. Representative **TIM VENTERS** Contact L.D. DAVIS Well Operator L.D. DRILLING, INC. **Well Name JULIUS #1-21 Report Date** 2015/12/12 Unique Well ID DST #1, MISSISSIPPIAN, 4309-4389 **Prepared By TIM VENTERS** Surface Location SEC 21-15S-23W, TREGO CO. KS. Field **WILDCAT Qualified By** KIM SHOEMAKER **Well Type** Vertical CONVENTIONAL **Test Type DST #1, MISSISSIPPIAN, 4309-4389 Formation Well Fluid Type** 01 Oil

 Start Test Date
 2015/12/11
 Start Test Time
 20:29:00

 Final Test Date
 2015/12/12
 Final Test Time
 05:21:00

Test Recovery:

RECOVERED: 575' HWCM, 47% WATER, 53% MUD 630' SMCW, 88% WATER, 12% MUD

1205' TOTAL FLUID

TOOL SAMPLE: 98% WATER, 2% MUD

CHLORIDES: 18,000 ppm

PH: 6.5

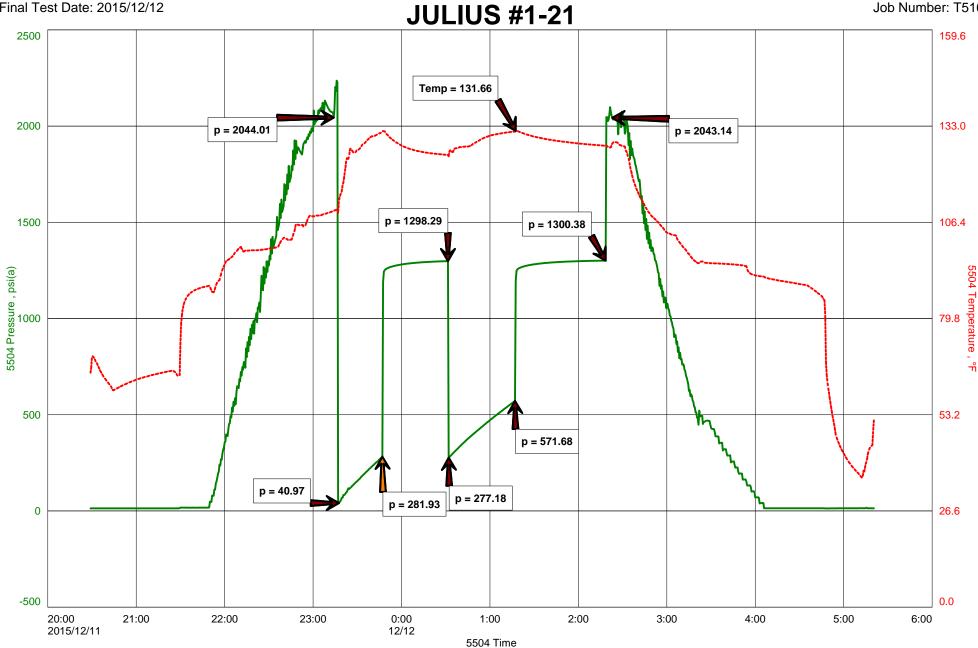
RW: .55 @ 58 deg.

L.D. DRILLING, INC.
DST #1, MISSISSIPPIAN, 4309-4389

Start Test Date: 2015/12/11 Final Test Date: 2015/12/12

JULIUS #1-21 Formation: DST #1, MISSISSIPPIAN, 4309-4389

Pool: WILDCAT Job Number: T516





Final Closed In Period......Minutes_

Final Hydrostatic Pressure.....(H)

P.O. Box 157

HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

TIME ON: 21:29 12-11-15

TIME OFF: 05:21 12-12-15

	DRILL-STEM FILE: JULIUS	TEST TICKET 1-21DST1				
Company L.D. DRILLING, INC.		Lease & Well No. JU	JLIUS #1-21			
		Charge to L.D. DRIL				
Elevation 2409 KB Formation	MISSISSIPPIAN	NEffective Pay		Ft. Ticke	t No.	T516
		inge2				KANSAS
Test Approved By KIM SHOEMAKER		Diamond Representativ	veT	IMOTHY T. \	/ENTERS	8
Formation Test No. 1 Interval Tested f	rom43	09 ft. to	4389 ft. To	tal Depth		4389 ft.
Packer Depthft. Size6 3/	4 in.	Packer depth		ft. Size	6 3/4	in.
Packer Depth 4309 ft. Size 6 3/	4in.	Packer depth		ft. Size_	6 3/4	in.
Depth of Selective Zone Set						
Top Recorder Depth (Inside)	4290 _{ft.}	Recorder Number_	550	04 Cap	5,00	0 P.S.I.
Bottom Recorder Depth (Outside)	4386 ft.	Recorder Number_	1102	29_Cap	5,02	²⁵ P.S.I.
Below Straddle Recorder Depth	ft.	Recorder Number_		Сар		P.S.I.
Mud Type CHEMICAL Viscosity	55	Drill Collar Length		<u>0</u> ft. I.D	2 1,	/4 in.
Weight 9.1 Water Loss	7.6cc.	Weight Pipe Length_		0_ft. I.D	2 7	/8in
Chlorides5	,400 P.P.M.	Drill Pipe Length	427	6 _{ft.} I.D	3 1/	/2in
Jars: MakeSTERLINGSerial Number		Test Tool Length	3	3 ft. Tool S	ize 3 1/	2-IFin
Did Well Flow?NOReversed Out		64' DD IN ANCHOD			4 1/	
		Surface Choke Size			n Choke Si	ze5/8in
Blow: 1st Open: WEAK 1/2 INCH BLOW, E	BUILDING,	REACHING BO	OB 7 MIN.	(1	NO BB)	
2nd Open: WEAK SURFACE BLOW, E	BUILDING, R	EACHING BOB	7 1/2 MIN	. (1	NO BB)	
Recovered 575 ft. of HWCM, 47% WATER, 539	% MUD					
Recovered 630 ft. of SMCW, 88% WATER, 129	% MUD					
Recoveredft. of				107		
Recoveredft. of						
Recoveredft. of	CHLORIDES:	18,000 ppm		Price Job		
Recoveredft. of	PH: 6.5			Other Charg	ges	
Remarks:	RW: .55 @ 5	58 deg.		Insurance		
E						
TOOL SAMPLE: 98% WATER, 2% MUD			A.M.	Total		
	ne Started Off Bo	2:17 AM	P.M. Ma	aximum Temp	erature1	32 deg.
Initial Hydrostatic Pressure		(A)	2044 P.S.I.			
Initial Flow PeriodMinutes_	30	(B)		to (C)	282	P.S.I.
Initial Closed In Period Minutes_		(D)	1298 P.S.I.			
Final Flow Period	45	(E)	277 P.S.I. t	o (F)	572 _F	P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

(G)

1300 P.S.I.

2043 _{P.S.I.}

60

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

FIELD SERVICE TICKET

1718 13003 A

	PRESSURE PUMPIN	NG & WIRELINE 2	3-15-	-23			DATE	TICKET NO				
DATE OF 12	-13-16 _{DIS}	STRICT PCATT	-		NEW DZ	OLD F	PROD []INJ	□ WDW	□ 8	USTOMER RDER NO	न).:	
customer L					LEASE \	Tuliu	ر.			WELL N	10. l	ر2-
ADDRESS					COUNTY 7	reg)	STATE	عطا			
CITY		STATE			SERVICE CF	REW /	47741	g/AV-5	10	5140		
AUTHORIZED B	Υ			,,,	JOB TYPE:	cni	v Ping	ru aba				
EQUIPMENT	# HRS	EQUIPMENT#	HRS	EQI	JIPMENT#	HRS	TRUCK CAL	LED 12-	PAT	E 5 AM	予M	ΪĒ
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11000							FINISH OPE	RATION		輟	6;	20
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							MILES FROM	A STATION TO	WELI	- 100)	*****
become a part of the	s contract without th	and only those terms and ne written consent of an of	ficer of Basic E	nergy Se	rvices LP.		SIGNED: X	, , , , , , , , , , , , , , , , , , ,	CONT	<u> </u>	R AG	ENT)
REF. NO.	60/406	TERIAL, EQUIPMENT	AND SERVIC	JES 02	ED		240	UNIT PRIC	= T	l	4.4	,
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		·	}	L					TAL	4,99	58	85

REPRESENTATIVE MILE MAYON

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

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



TREATMENT REPORT

	~	21 VIC	=	age No			ode Records		Date						
Lease			, 1, v < r	/ell #		7 2			Date	2 ~	13-19)			
	プルバ Station			GII II	{	- て3 「Casing」	Denth	16 2	8						
Field Order #	3	119		TO CAMPAGE HAS A STATE OF THE S		Casing	Formation		T T	المصال	eccription	ate US			
	$\bigcap W$	plus T	v abant	<u>~</u>	T	·	Tomation	i e		Legal Di	escription 23-15-	. كى			
PIP	PIPE DATA PERFORATING DATA						JSED		TRE	ATMENT	RESUME				
Casing Size	asing Size Tubing Size Shots/Ft						tu sm	60/	PATE/PBF	ESS	ISIP				
Depth 1825	_ Depth	From	To		Pre	Pad L	Do 9-1	Max \	14 c	,	5 Min.	· · · · · · · · · · · · · · · · · · ·			
Volume 5,9		From	То		Pad			Min			10 Min,				
Max Press	Max Pres	s From	То		Frac	>		Avg			15 Min.				
Well Connecti	Annulus V	ol. From	То					HHP Usec			Annulus Press	sure			
Plug Depth	Packer De	epth From	То		Flus	h		Gas Volun	ne		Total Load				
Customer Rep		LP		Station	Mana	iger Kev	vin Cau	10 bey	Treater	Mine	Marra	The second secon			
Service Units	37586		27463			19860	19862								
Driver Names	M 477-41		g ravos			no	raw								
Time o	Casing Pressure	Tubing Pressure	Bbls. Pum	ped	F	Rate				rvice Log					
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FIELD SERVICE TICKET 1718 12921 A

			one 620-672-1201	DATE TICKET NO								
DATE OF JOB 12 -O	5-15	DISTRICT PRAT	TKS	NEW Z	WELL P	ROD [] INJ	□wbw □8	USTOMER RDER NO.:				
CUSTOMER	.D. D.	21/21		LEASE	5041	03	1-23	WELL NO.				
ADDRESS		<i></i>		COUNTY	RE.	00	STATE AS	,				
CITY	1	STATE		SERVICE OF	REW Su	1/m, w	tholuse y	Bowlin .	a i			
AUTHORIZED BY	Υ			JOB TYPE:	enu	85/5	Strabe 3					
EQUIPMENT:	# HRS	EQUIPMENT#	HRS EC	UIPMENT#	HRS	TRUCK CALL	127-15	PM	/E			
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						MILES FROM	STATION TO WEL	150				
products, and/or sur	onlies includes al	execute this contract as an il of and only those terms and ut the written consent of an o	d conditions appearing a	on the front and bac	k of this do	cument. No additi	onal or substitute terms	and/or condition	s shai			
ITEM/PRICE REF. NO.		MATERIAL, EQUIPMEN	T AND SERVICES U	SED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUN	IT			
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REPRESENTATIVE

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

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



TREATMENT REPORT

,	T Loone No.						Date							
Customer	0,0191	1,00		Lease No.						Date				
Lease	Tablus	7		Well#	3					12 -	05-	15		
Field Order #	Station	A41.56	per			Casing	1/2	Depth	33	County	RF6	0		State
Type Job	N 8/15	Eu de	حب				For	rmation			Lega	al Descript	tion	3
PIPE	DATA	PER	FORATII	NG DATA		FLUID	USED)		TR	EATME	NT RES	UME	
Casing Size	Tubing Size	Shots/F	Ft	Acid						RATE F	PRESS	ISII	Р	
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Well Connection	Annulus Vo	l. From	7	Го					HHP Use				nulus Pre	ssure
Plug Depth	Packer Dep	rth From		Го	Flush			Gas Volu	ıme		Total Load			
Customer Repr	esentative			Station	n Mana	ager (j./l./	G-9	ji.		Treater	14.60	111	- 0	
Service Units	37/20	44-18	252											
Driver Names	1/5	will	1/1/	56	1	See								
Time	Casing Pressure	Tubing Pressure	Bbls. I	Pumped		Rate				S	Service Log	3		
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KIM B. SHOEMAKER CONSULTING GEOLOGIST 316-684-9709 * WICHITA,KS GEOLOGIST'S REPORT 23001 DRILLING TIME AND SAMPLE LOG COMPANY L D DRILLING INC. ELEVATIONS #1-28 JULIUS KB 2409 421: FIELD WILDCAT LOCATION 1686 FSL 1315 FEL 0 2404 DESCRIPTIONS SEC 21 TWSP 15. RGE 23.W Measurements Are All COUNTY TREGO STATE KANSAS From 2409 KB CONTRACTOR L.D. DRILLING, INC. CASING SURFACE 8 5/8"0 305" EGEN SPUD 12-4-16 COMP 12-13 -15 PRODUCTION ___ RID 4480 LTD 4480 ELECTRICAL SURVEYS DUAL IND., DENS-N., MICRO MUD UP 3405 TYPE MUD CHEMICAL SAMPLES SAVED FROM 3500 TO 4480 IN MINUTES FOOT DRILLING TIME KEPT FROM 3400 TO 4480 SAMPLES EXAMINED FROM 3500 TO 4480 DER FO GEOLOGIST ON WELL KIMB. SHOEMAKER FORMATION TOPS SAMPLES LOG DRILLING '5 ANHYDRITE 1799 + 610 1796+613 B/ANH. 1838 + 571 1835+ 574 HEEBNER 3783 - 1374 3782-1373 LANSING 3821 - 1412 3820-1411 4 B/KC 4092 - 1683 4091-1682 PAWNER 4199-1790 4195-1786 FORT SCOTT 4290-1881 4289-1880 REMARKS CHEROKEE 4312-1903 4311-1902 MISSISSIEPI CHERT 4382-1973 4380-1971 LITHOLOGY

