Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1368711

Form ACO-1 November 2016 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	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 #:	Dowatering method asea.
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
	Quarter Sec TwpS. R East West
Spud Date or Date Reached TD Completion Date or Recompletion Date	County: Permit #:
Toompletion Date	Γ CITHIL π.

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:

Page Two

1368711

Operator Name:					Lease Na	ame: _			Well #:	
Sec Tw	/рS.	R	East	West	County:					
	l, flowing and s	shut-in pressu	ures, whe	ther shut-in pr	essure reache	ed stati	c level, hydrosta	tic pressures, bo		val tested, time tool erature, fluid recovery,
Final Radioactiv files must be sub							gs must be ema	iled to kcc-well-	ogs@kcc.ks.gov	. Digital electronic log
Drill Stem Tests	Taken tional Sheets)		Y	es No		L		on (Top), Depth a		Sample
Samples Sent to	Geological Su	urvey	Y	es No		Nam	9		Тор	Datum
Cores Taken Electric Log Rur Geolgist Report	/ Mud Logs		Y Y Y	es No						
List All E. Logs F	Run:									
			Ren		RECORD	Ne	w Used	on etc		
D (0	S	Size Hole		ze Casing	Weigh		Setting	Type of	# Sacks	Type and Percent
Purpose of S	tring	Drilled		t (In O.D.)	Lbs. / F		Depth	Cement	Used	Additives
		D 41-			L CEMENTING	G/SQL	EEZE RECORD			
Purpose: Perforate	To	Depth op Bottom	Туре	e of Cement	# Sacks U	Jsed		Type and	Percent Additives	
Protect Ca										
Plug Back Plug Off Z										
1. Did you perform	-	_					Yes	=	kip questions 2 an	d 3)
 Does the volum Was the hydrau 			-	_		-	ns? Yes		kip question 3) Il out Page Three (of the ACO-1)
				1						
Date of first Produ	iction/Injection o	r Resumed Pro	duction/	Producing Me	thod: Pumping		Gas Lift C	Other (Explain)		
Estimated Produc	ction	Oil B	Bbls.	Gas	Mcf	Wate		bls.	Gas-Oil Ratio	Gravity
Per 24 Hours		-					_			<i></i>
DISP	OSITION OF GA	AS.		1	METHOD OF C	COMPLE	TION:		PRODUCTIO	N INTERVAL:
Vented		sed on Lease			Perf.	_		nmingled	Тор	Bottom
	ed, Submit ACO-1					(Submit		mit ACO-4)		
Shots Per Foot	Perforation Top	Perforat Bottor		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeeze	Record
									·	
						+				
TUBING RECOR	D: Size	:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	REGIER 2-7
Doc ID	1368711

Tops

Name	Тор	Datum				
HEEBNER	2451	-940				
LANSING	2677	-1166				
BASE LANSING	3087	-1576				
MISSISSIPPIAN	3385	-1874				
KINDERHOOK	3601	-2090				
VIOLA	3877	-2366				
SIMPSON SAND	3883	-2372				
ARBUCKLE	3992	-2481				

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	REGIER 2-7
Doc ID	1368711

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	7.875	13.375	48	136	COMMON	2%CC,1/4 #CF



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

FIELD SERVICE TICKET 1718 **15411** A

- Inches	HESSURE PUM	IPING & WIRELINE					DATE	TICKET N	0		2		
DATE OF 9 -	2-17	DISTRICT 1718	3		NEW D	OLD	PROD INJ	☐ WDW	8	USTOMER ORDER NO.:			
CUSTOMER L	D. D	rilling In	۲.		LEASE Regier 2-7 WELL NO.								
ADDRESS		J			COUNTY REND STATE KS								
CITY		STATE			SERVICE CREW Pratt KS								
AUTHORIZED BY			9		JOB TYPE:	133/	8 Sunfa		24	7			
EQUIPMENT#		EQUIPMENT#	HRS	EQL	JIPMENT#	HRS	TRUCK CALL		g.A		8/5		
27463	^ 4						ARRIVED AT		9-2		2000000		
19903-737	18 X Y						START OPER			W04.4	030		
							FINISH OPER		9-3	AM	2/5		
				-		-	RELEASED		9-3		225		
						-	MILES FROM	STATION 1	9-3		100		
12						1	WILES PROW	STATION		70			
	COINTACT WITHOUT	t the written consent of an of	ilicer of basic i	znergy sei	vices LF.	,	WELL OWNER	A, OPERATO	DR, CONTI	RACTOR OR A	AGENT)		
ITEM/PRICE REF. NO.	M	IATERIAL, EQUIPMENT	AND SERVI	CES US	ΞD	UNIT	QUANTITY	UNIT PE	RICE	\$ AMOU	NT		
CPIDO	C	ommon Cei	nent				200 ski			3200) ~		
CC109	Co	ileium Chlo	ride				376 lbs			394	80		
CC102	Ce	211 Blake					50 Lbs			185			
F 100	P	ick up milea	ge 10	way		189	70 Mi		\rightarrow	3/5			
E101		ruck mileage	~1 '	uay		250	140 mi			1050			
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				MAT	ERIALS		%TAX C	N \$					
) <u>——</u>	Disc	coun	ted To	tal	TOTAL	4534	64		
SERVICE REPRESENTATIVE	DLS				IAL AND SER' OMER AND R		BY: Mex	26)	J.				
FIELD SERVICE OR	DEB NO	10%				(WELL OV	VNER OPERATOR	CONTRAC	TOR OR A	GENT)			



TREATMENT REPORT

Customer	1.17.7	۱~	Lo	Znc	Į.	Lease No.					Date						
Lease R	egie	~	1		T	Well #	2-	7				9	2-,	17			
15411	# Statio		ratt	KS	<u> </u>		,	Casing	133/8 Dept	739	Count		eno			State KS	
Type Job	133/8		urfa			NIW			Formatio	n •			Lega	Description		W	
PIF	E DATA		PERI	FORAT	ING	DATA		FLUID	USED			TRE	ATMEN	IT RESUM	ΙE		
Casing Size	Tubing S	ize	Shots/F	t			Acid 2005/6 54d				RATE	PRESS		ISIP			
Depth 2	PBP TO	Prom From					Pre	ad CC	VY C.F.	Max		5	00	5 Min.	5 Min.		
Depth /28 Volume	Volume		From		То		Pad	Q		Min				10 Min.			
Max Press	Max Pres	is	From		То		Frac			Avg				15 Min.			
Well Connect	ion Annulus	√ol⊨	From		То					HHP Used	1			Annulus	s Pre	ssure	
Plug Depth	Packer D	epth	From		То		Flush		10	Gas Volun	ne			Total Lo	ad		
Customer Re	presentative	R	C14 1	wilso	n	Station	Manag	Jer J	Wester	man	Trea	iter	D S	500H			
Service Units Driver		27	463	1990	3	2394			,×								
Names	Sco# Casing	Wh	ubing	T		Adar	15			l							
Time	Pressure		essure	Bbls.	Pun	nped	R	ate	0.1	7 h	2		vice Log				
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TTM1-138



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

FIELD SERVICE TICKET 1718 13980 A

	PRESSU	RE PUMP	ING & WIRELINE					DATE	TICKET N	0		
DATE OF JOB 9	1111	17 P	ISTRICT	-		WELL X	WELL	PROD IN	J 🗌 WDV	v 🗆 S	CUSTOMER ORDER NO.:	
CUSTOMER	·D.	De	Miny Inc.			LEASE R	gier			1.0	WELL NO.	z- 7
ADDRESS			0			COUNTY	Reno	,	STA	TE K	5	
CITY			STATE			SERVICE CR	EW S	0-1-1, 7	10/1/01	· R.	100	
AUTHORIZED B	BY R	ch	W. 1500			JOB TYPE:	Pluu	10 1	Abund	200	245	
EQUIPMENT	Γ#	HRS	EQUIPMENT#	HRS	EQU	IIPMENT#	HRE	TRUCK CAL	LED	DAT	TE AM TI	IME
27463 X		1.5						ARRIVED A	T JOB 9/	1011	7 AM 4	15
19867 >		175						START OPE	RATION 6	1011	Z AM S	57
-								FINISH OPE	RATION 9	1111	7 PM /Z	30
								RELEASED	91	11/1	> AM	77
								MILES FROI	M STATION	TO WEL	The state of the s	
products, and/or su become a part of th	pplies inc	ct without t	f and only those terms and the written consent of an of	fficer of Basic E	inergy Ser	vices LP.	s	(WELL OWN	ER, OPERAT	OR, CONT	TRACTOR OR A	GENT)
REF. NO.	1.10	MA	ATERIAL, EQUIPMENT	AND SERVIC	CES USE	ED	UNIT	QUANTITY	UNIT F	HICE	\$ AMOU	-ISS NI
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				la r	MAT	ERIALS			X ON \$	T I	-1/	2.20
					1	- ,				TOTAL WAS	4,326	85
20										WONT	1	Ι.,

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

FIELD SERVICE ORDER NO.

SERVICE

CLOUD LITHO - Abilene, TX

REPRESENTATIVE

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



TREATMENT REPORT

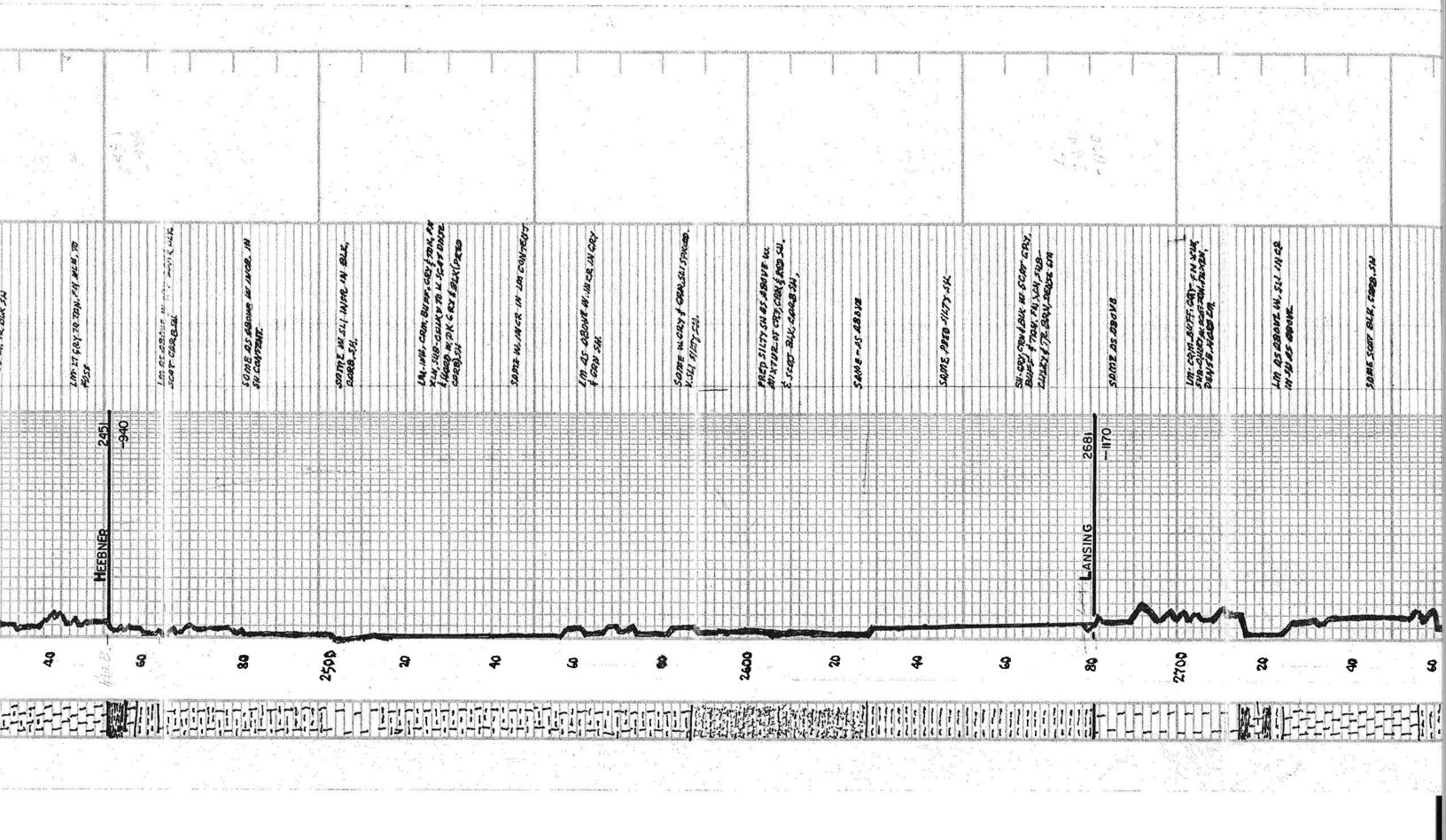
Customer	0 1/10	. /	2 2, 21	Lease No	D.				Date					
Lease	Similar	9 1 10	V	Well#	7				91 113					
Field Order	# Statio	n Proset	-/	113		Casing	Dept	h 9841	County			State		
Type Job	9 70	Ah	indo	7	b		Formation	10.	150	Legal D	escription			
PIP	E DATA	PEF	RFORATI	ng data		FLUID US	SED		TRE	ATMENT	RESUME			
Casing Size	Tubing Si	ze Shots	/Ft		Acid				RATE PRI	ESS	ISIP			
Depth	Depth	From		То	Pre Pa	ad		Max			5 Min.	**		
Volume	Volume	From		То	Pad			Min			10 Min.			
Max Press	Max Pres	s From		То	Frac			Avg			15 Min.			
Well Connection	on Annulus \	/ol. From		Го				HHP Use	d		Annulus P	ressure		
Plug Depth	Packer De	epth From	-	Го	Flush			Gas Volu	ne		Total Load			
Customer Rep	presentative	W1/3	on	Statio	n Manage	er	6/05	termo.	Treater	Send	6			
Service Units	38450	2716		9 1986	7									
Driver Names	SwH	Mulle	1 R. le	v -	-									
Time	Casing Pressure	Tubing Pressure	Bbls. I	Pumped	Ra	te	3984	1	Sen	ice Log				
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TREATMENT REPORT

Customer	0.11	/	/ x	Lease No.				Date	0			
Lease	12011	Ing 1 1	nc	Well #	7			- 9	9/11/17			
Field Order #	Station	D. 11	15		Casi	ing DD	Depth 55554	County	11111	- T	State	
Type Job	10 1	Thomas	lan		- 1 7	For	mation	1	Legal	Description	/(0)	
PIPE	DATA	PERI	FORATIN	IG DATA	FILL	JID USED		-	TREATMEN	T RESUM	=	
Casing Size	Tubing Siz				Acid	, D COLD	_	RATE	PRESS	ISIP		
Depth	/ Depth				Pre Pad		Max			5 Min.		
Volume	Volume	From	To		Pad		Min			10 Min.		
Max Press	Max Press	From	To		Frac		Avg			15 Min.		
Well Connectio	n Annulus V	From	To			marile to	ННР	Jsed	+		Pressure	
Plug Depth	Packer De	From ppth	To		Flush		Gas Vo	olume		Total Load		
Customer Rep	resentative	From	To		Manager_	,		Trea	ter <			
Service Units	38950	77463	71.1.11	11 100 1		Stop 6	Jestera	17/10	Scor	(7/6	wes	
Driver	30770 Sport	211.11.1	Riles	-								
Names Time	Casing Pressure	Tubing Pressure	Bbls. P		Rate				Service Log		/sc	
17:00	0	T.	15 M	ISB-	7	6	Play	Rat	hole	305k	5 60/40	
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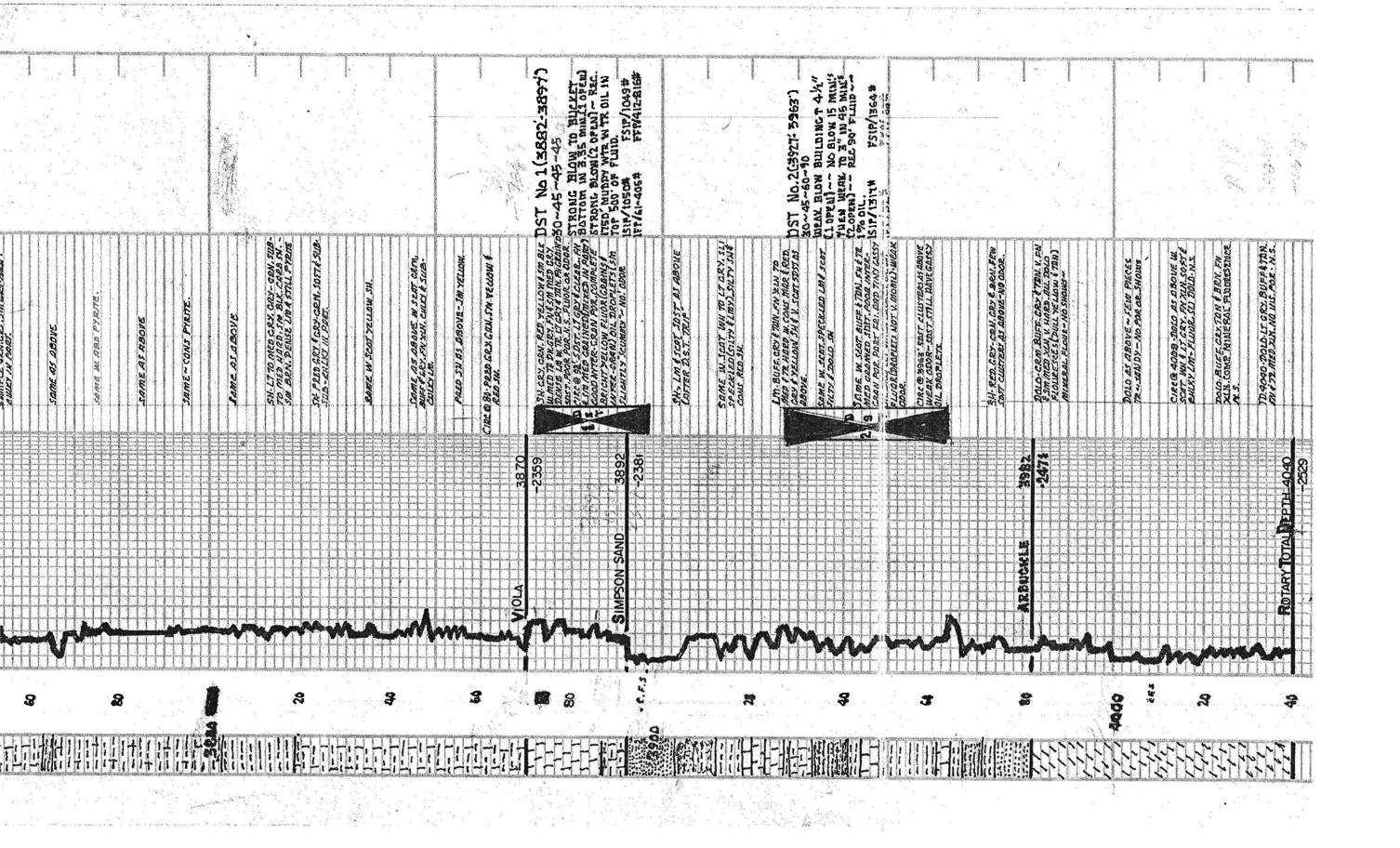
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L. D. DRILLING, INC. FEGIER 2-7 FIGURE Buhler North FEGIER 1420' FWL FEGIER 7 TENNSHIP 225 RANGE 4W COUNTY RENO STATE KANSAS	De 1200 Was Nechtlie INE No. 200 Paris Par	Chert Balding Chart B		SCRIFTINS W.P.C.C. of COV.C. SUB-CHCK FORVER SUB-CHCK FORVER TO SUB-CHCK FORVER TO SUB-CHCK FOR BOUNTE	BOUR SCOTT RED SIL	BUFF & LT GRY, FIN	LM 85 GBOSVE IN 527 INCR IN BUFF & TAN. FRED DENSEJYARD LAK	Z/ (3/10/2	BW 54
CONSTRUCTION L.D. DRILLING REG NO. CONSTRUCTION 9-1-2017 CONSTRUCTION 9-9-2017 RED 4040 FEET RED TYPE Chreshical	1511 1506 Me sale cycles are all K.B. CASING 133/8" @ 136' w. 200 k. ELECTRICAL STERVEYS DUAL INDUCTION	OFF WEGG THE GEOLOIST'S ON THE WE	皇皇!,	SAMPLE DE CO.	Same as p	LM: WEI, SRM. XLN: SWESKIN CM:	LM 15 DBOW	Same as also	PRED UM AS A	Sant m. m.
FORMATION TOPS SAMPLE HEEBNER	2451 (940) 2677 (-1166) 3087 (-1576) 3385 (-1874) 3601 (-2090) 3877 (-2366) 3883 (-2372)	HOSMAKE & DROSK RATU	DRILLING TIME Forts of Peretra							
VIOLA 3870 (2359) SIMPSON SAND 3892 (2381) ARBUCKLE 3982 (2471) TOTAL DEPTH 4040(2529)	3883 (2372) 3992 (2481) 4043 (-2532)	vore! Kim St	LITHOLOG	X IIIIII	8 1-1-1-1-1					R MILL



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Lease: Regier #2-7

SEC: 7 TWN: 22S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1504 egl Field Name: Buhler North

Pool: Infield Job Number: 54

DATE September 08 2017 **DST #1**

Formation: SIMPSON

Test Interval: 3882 -

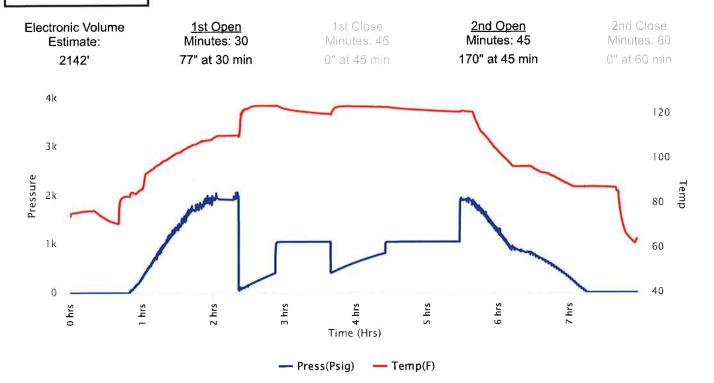
Total Depth: 3897'

3897'

Time On: 22:40 09/08

Time Off: 06:25 09/09

Time On Bottom: 00:56 09/09 Time Off Bottom: 03:56 09/09





Lease: Regier #2-7

SEC: 7 TWN: 22S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1504 egl Field Name: Buhler North

Pool: Infield Job Number: 54

DATE

September

08 2017

DST #1

1925

61 to 405

1050

412 to 816

1049

1902

124

0.1

Formation: SIMPSON

Test Interval: 3882 -

Total Depth: 3897'

3897'

Time On: 22:40 09/08

Time Off: 06:25 09/09

Time On Bottom: 00:56 09/09 Time Off Bottom: 03:56 09/09

Recovered

<u>Foot</u>	BBLS	Description of Fluid	Gas %	<u>Oil %</u>	Water %	Mud %
439	4.50414	MCW	0	0	73	27
1311	13 45086	SLMCW	0	0	96	4

Total Recovered: 1750 ft

Initial Hydrostatic Pressure

Initial Closed in Pressure

Final Closed in Pressure

Final Hydrostatic Pressure

Pressure Change Initial

Close / Final Close

Final Flow Pressure

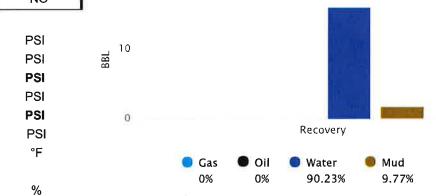
Total Barrels Recovered: 17.955

Initial Flow

Temperature

Reversed Out NO

Recovery	at a	glance
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Lease: Regier #2-7

DST #1

SEC: 7 TWN: 22S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1504 egl Field Name: Buhler North

Pool: Infield Job Number: 54

DATE

September

08 2017

Formation: SIMPSON

Test Interval: 3882 -

Total Depth: 3897'

3897'

Time On: 22:40 09/08

Time Off: 06:25 09/09

Time On Bottom: 00:56 09/09 Time Off Bottom: 03:56 09/09

REMARKS:

TOOL SAMPLE:100% WATER

IFP:1"BLOW-BOB IN 3:35

ISIP:NOBB

FFP:1"BLOW-BOB IN 3:15

FSIP:NOBB

Ph: 7

RW: .51 @ 65 degrees F

Chlorides: 17000 ppm



Lease: Regier #2-7

SEC: 7 TWN: 22S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1504 egl Field Name: Buhler North

Pool: Infield Job Number: 54

DATE September

80 2017 **DST #1**

Formation: SIMPSON

Test Interval: 3882 -

Total Depth: 3897'

3897'

Time On: 22:40 09/08

Time Off: 06:25 09/09

Time On Bottom: 00:56 09/09 Time Off Bottom: 03:56 09/09

Down Hole Makeup

Heads Up:

21.94 FT

FT

Packer 1:

3877 FT

Drill Pipe:

3871.37 FT

Packer 2:

3882 FT

ID-3 1/4

Top Recorder:

3866.42 FT

Weight Pipe:

ID-2 7/8

Bottom Recorder:

3883 FT

Collars: FT Well Bore Size:

7.875

ID-2 1/4

Surface Choke:

1"

5/8"

Test Tool:

33.57 FT

Bottom Choke:

ID-3 1/2-FH Jars

Safety Joint

Total Anchor:

15

Anchor Makeup Packer Sub:

1 FT

Perforations: (top):

FT

4 1/2-FH

Change Over:

FT

Drill Pipe: (in anchor):

FT

ID-3 1/4

Change Over:

FT

Perforations: (below):

14 FT

4 1/2-FH



Lease: Regier #2-7

SEC: 7 TWN: 22S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1504 egl Field Name: Buhler North

Pool: Infield Job Number: 54

DATE September

08 2017

DST #1

Formation: SIMPSON

Test Interval: 3882 -

Total Depth: 3897

3897'

Time On: 22:40 09/08

Time Off: 06:25 09/09

Time On Bottom: 00:56 09/09 Time Off Bottom: 03:56 09/09

Mud Properties

Mud Type: CHEMICAL Weight: 9.5

Viscosity: 61

Filtrate: 11.2

Chlorides: 6700 ppm



Lease: Regier #2-7

SEC: 7 TWN: 22S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1504 egl Field Name: Buhler North

Pool: Infield Job Number: 54

DATE September 09

2017

DST #2

Formation: SIMPSON

Test Interval: 3927 -

Total Depth: 3963'

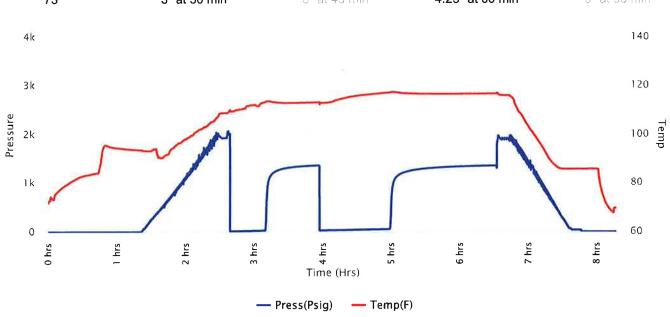
3963'

Time On: 16:42 09/09

Time Off: 00:46 09/10

Time On Bottom: 19:15 09/09 Time Off Bottom: 23:00 09/09

Electronic Volume Estimate: 73' 1st Open Minutes: 30 3" at 30 min 1st Close Minutes: 45 0" at 45 min 2nd Open Minutes: 60 4.25" at 60 min 2nd Close Minutes: 90 0" at 90 min





Lease: Regier #2-7

SEC: 7 TWN: 22S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1504 egl Field Name: Buhler North

Pool: Infield Job Number: 54

DATE September

> 09 2017

DST #2

Formation: **SIMPSON**

Test Interval: 3927 -

Total Depth: 3963'

3963'

Time On: 16:42 09/09

Time Off: 00:46 09/10

Time On Bottom: 19:15 09/09 Time Off Bottom: 23:00 09/09

Recovered

<u>Foot</u> 90

BBLS 0.9234

Initial Flow

Description of Fluid **MCW**

1939

16 to 32

1371

32 to 68

1364

1908

118

0.4

Gas % 0

Oil % 0

Water % 76

Mud % 24

Total Recovered: 90 ft

Initial Hydrostatic Pressure

Initial Closed in Pressure

Final Closed in Pressure

Final Hydrostatic Pressure

Final Flow Pressure

Total Barrels Recovered: 0.9234

ŀ	Reversed Out
ı	NO
_	

%

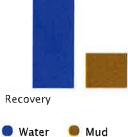
PSI		0.5
PSI	BBL	
PSI		
PSI		
PSI		0
PSI		
°F		

Pressure Change Initial Close / Final Close

Temperature

Oil Gas 0% 0% 76%

Recovery at a glance



24%



Lease: Regier #2-7

SEC: 7 TWN: 22S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1504 egl Field Name: Buhler North

Pool: Infield Job Number: 54

DATE September

09 2017

DST #2 Formation: SIMPSON

Test Interval: 3927 -

Total Depth: 3963'

3963'

Time On: 16:42 09/09

Time Off: 00:46 09/10

Time On Bottom: 19:15 09/09 Time Off Bottom: 23:00 09/09

REMARKS:

TOOL SAMPLE:1% OIL, 52% WATER, 47% MUD

IFP:WSB-BUILT TO 3"
ISIP:NOBB
FFP:NO BLOW-BUILT TO 4.25"
FSIP:NOBB

TRACE OF OIL IN 90' RECOVERY SAMPLES, > 1% OIL

Ph: 8

RW: .5 @ 70 degrees F

Chlorides: 15000 ppm



Lease: Regier #2-7

SEC: 7 TWN: 22S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1504 egl Field Name: Buhler North

Pool: Infield Job Number: 54

DATE September

09 2017 **DST #2**

Formation: SIMPSON

Test Interval: 3927 -

Total Depth: 3963'

3963

Time On: 16:42 09/09

Time Off: 00:46 09/10

Time On Bottom: 19:15 09/09 Time Off Bottom: 23:00 09/09

Down Hole Makeup

Heads Up:

8.08 FT

Packer 1:

3922 FT

Drill Pipe:

3902.51 FT

Packer 2:

3927 FT

ID-3 1/4

Top Recorder:

3911.42 FT

Weight Pipe:

FT

Bottom Recorder:

3929 FT

ID-2 7/8

FT

Well Bore Size:

7.875

Collars: ID-2 1/4

Surface Choke:

1"

Test Tool:

33.57 FT

Bottom Choke:

5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor:

36

Anchor Makeup

Packer Sub:

1 FT

Perforations: (top):

FT

4 1/2-FH

Change Over:

FT

Drill Pipe: (in anchor):

FT

ID-3 1/4

4 1/2-FH

Change Over:

FT

Perforations: (below):

35 FT



Lease: Regier #2-7

SEC: 7 TWN: 22S RNG: 4W

County: RENO State: Kansas

Drilling Contractor: L. D. Drilling, Inc -

Rig 1

Elevation: 1504 egl Field Name: Buhler North

Pool: Infield Job Number: 54

DATE September

> 09 2017

DST #2

Formation: SIMPSON

Test Interval: 3927 -

Total Depth: 3963'

3963'

Time On: 16:42 09/09

Time Off: 00:46 09/10

Time On Bottom: 19:15 09/09 Time Off Bottom: 23:00 09/09

Mud Properties

Mud Type: CHEMICAL Weight: 9.5

Viscosity: 66

Filtrate: 9.4

Chlorides: 6600 ppm