KOLAR Document ID: 1475177

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	SecTwpS. R East West
Address 2:	Feet from North / South Line of Section
City: 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.xxxxx) (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:
□ Oil □ WSW □ SWD	Producing Formation:
☐ Gas ☐ DH ☐ EOR	Elevation: Ground: Kelly Bushing:
☐ 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)
Describer	Chloride content: ppm Fluid volume: bbls
☐ Commingled Permit #:	Dewatering method used:
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
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 Approved by: Date:							

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Page Two

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

Form	ACO1 - Well Completion
Operator	TDR Construction, Inc.
Well Name	SUPERIOR I-1
Doc ID	1475177

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8	24	21	Portland	6	50/50 POZ
Production	6.750	4.50	10.5	816	Portland	119	50/50 POZ

Well: I-1

Franklin County, KS TDR Construction, Inc. Commenced Spudding:

(913) 710-5400

Lease Owner: TDR Construction Inc

10/2/2019

WELL LOG

Thickness of Strata	Formation	Total Depth
0-20	soil-clay	20
25	lime	45
7	shale	52
10	lime	63
1	shale	64
1	lime	65
3	shale	68
17	lime	85
36	shale	121 redbed
14	lime	135
84	shale	219
21	lime	240
28	shale	268
6	lime	274
29	shale	303
1	lime	304
12	shale	316
2	lime	318
16	shale	334
23	lime	357
8	shale	365
22	lime	387
4	shale	391
4	lime	395
5	shale	400
5	lime	405 hertha
10	sandy shale	415
16	shale	431
6	sandy shale	437
21	shale	458
18	sand	476 grey-no oil
38	shale	514
8	sand	522 brown-no odor-no dhow
33	shale	555
2	lime	557
7	shale	564
8	lime	572
20	shale	592
3	sand	595 grey - no oil
13	shale	608

Franklin County, KS TDR Construction, Inc. Commenced Spudding: Well: I-1 (913) 710-5400 10/2/2019

Lease Owner: TDR Construction Inc

10	lime	618
11	shale	629
4	lime	633
9	shale	642
12	line	654
16	shale	670
1	lime	671
9	shale	680
4	sandy shale	684
54	sand	738 broke-good oil(718-738) mostly solid- oil show best
20	shale	758
10	sand & shale	768 no oil
72	shale	840 TD



EMENT TREA	TMENT REF	PORT				
Customer	TDR Contruct	on Wells	Superior I-	1 Tiel	cet: IC	CT2519
City, State: Louisburg, KS Field Rep: Lance Town		County:	FR KS	D	ite: 10	0/3/2019
		S-T-R:	NE 10-16-2	1 Serv	ice: loi	ngstring
Downhole In	formation	Calculated	Slurry	Product	96 F #	#
Hele Size:	6 3/4 in	Weight:	# / wax	Class A	50%	5593
Hole Depth:	840 ft	Water Sx:	gal / sx	Poz	50%	4403
Casing Size:	4 1/2 in	Yield	ft ³ / sx	Gel	2%	200
Casing Depth	816 R	Bbis / Ft.:		CaCi		
Tubing Liner:	ln	Depth	R	Фурз ит		
Depth:	R	Annular Volume:	0 bbls	Metso		
Tool (Packer)	baffle	Excess		Kei Seel		
Depth	784 ft	Total Slurry:	0.0 bbis	Fie Seal		
Displacement:	12.5 bbis	Total Sacks:	#DIV/0t sx	Salt (bww)		
	->-				Total	10,19
TIME RATE	PSI BBLs		REMA	RKS		
4.0		established circulation				

TIME	RATE	PSI	BBLS	REMARKS
	4.0			established circulation
	4.0			mixed and pumped 200# Bentonite followed by 5 bbis fresh weter
	4.0			mixed and pumped 6 bbls dye marker
	4.0		1	mixed and pumped 119 sks 50/50 Pozmix cement w/ 2% Bentonite per sk
				dye marker to surface
	4.0			flushed pump clean
	4.0			pumped 4 1/2" rubber plug to baggle w/ 12.5 bbls fresh water
				pressured to 800 PSI, released pressure to set float valve
	4.0			weehed up equipment
				TDR Contruction
				1207 N First ST
				Louisburg, KS ¢6053

CREW		UNIT		SUMMARY				
Conentel	Casey Kennedy	89	Average Rate	Average Pressure	Total Fluid			
ump Operator	Harold Bechtle	239	4 bpm	#DIV/01 pei	• bble			
8500.00	Alan Mader	237						
Soil #2	Keith Detwiler	124						



HURRICANE SERVICES INC

Gustomer	TDR Contruction		Lease & Well #	so & Well # Superior I-1				Date	10	/3/2010	
Supplier distinct	Ottawa		County & State FR KS		Legals SrbR	Ligate Siths: NE 10-10		366.8			
Jon Type	longstring	□PROD	 IN 	□ SWD	New Well?	☑ VES	DNo	Tiexers	IC	T2519	
Equipologica	Distret			Job Safety	Analysis - A Discuss	ion of Hazerds	Selety Pro	cedures			
89	Gassy Kennedy	✓Hard hat		☑ Gloves		Lockout/Tage	out	☐Warning Signs	& Flagging		
230	Herold Bechtle	☑H2S Monitor		☑Eye Protectio	on	Required Per	mits	Fall Protection			
237	Alon Meder	✓ Safety Footwe	ar	Respiratory I	Protection	Sllp/Trip/Fall	Hazards	Specific Job Se	drauce/Expe	ctations	
124	Keith Detwiler	FRC/Protective	Clothing	Additional C	hemical/Acid PPE	Overhead Ha	zards	Muster Point/	Medical Locati	lons	
		Atearing Protect	ction	☑Fire Extingui:	sher	Additional co	ncems or issi	ues nated below			
					Con	nments					
Product/ Service Code		Desc	ription		Unit of Moresure	Quantity	Procedure	Grass Amaunt	Biscount	Not Amount	
C010	Cement Pump				68	1.00				\$600.00	
M010	Heavy Equipment M	lleege			mi	20.00				\$64,00	
14025	Ton Mileage- Minim	um			each	1.00				\$240.00	
T010	Vecuum Truck - 80 l	bbl			hr	2.00				\$144.08	
CP065	50/50/2 Pozmix				eack	119.00				\$1,142.40	
CP085	Bentonits Gel				lb	200.00				\$46.06	
FE115	4 1/2° Rubber Plug				- **	1.00			_	\$60,00	
					+						
					+						
					1						
Cileto	min Saction Cours	(America) (Cale I	on wood you cally	MODIFICACIONES SERVICE	05.00		Gross:		Net	\$2,298.48	
-	ed on this job, how	Illende in it core s	rould recommend	Hill to a collect	?	Total Taxable	3 ·	Tax Rate:		_	
	-				lma.		to be sales to	exempt Hurricana	Bale Tax:		
						Services relies on information above	to make a deb	rmination II			
u	1 2 3	4 5	6 7 8	9 10	Extremely & Budy	nervices and/or pr	oducts ere lax	example	Total:	\$ 2,286.40	
						HSI Represe	ntative:				

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts after the content of the batence past due at the rate of 1 5% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection, in the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local tarse, or local tarse, or royalities and estad price adjustments. Actual charges may very depending upon time, equipment, and mitiental utilities by required to perform these services. Any discount is based on 30 days not payment terms or case. DISCLAIMER NOTICE: Technical date is presented in good faith, but no warrantly is estated or implied. HSI assumes no itability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estated of the ochset results that may be achieved and should be used for comparison purposes and HSI males no guarantee of future production performance. Qualtomer represents and warrants that well and all attentions that well and all attentions to the ochset equipment and acceptance of all terms/conditions estated above, and Hurricane has been provided accurate well information in determining taxable services.

X.	CUSTOMER AUTHORIZATION SIGNATURE	E
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Short Cuts

TANK CAPACITY

BBLS. (42 gal.) equals D²x.14xh
D equals diameter in feet.
h equals height in feet.

BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals BPH x PSI x .0004
BPH - barrels per hour
PSI - pounds square inch

TO FIGURE PUMP DRIVES

- * D Diameter of Pump Sheave

 * d Diameter of Engine Sheave

 SPM Strokes per minute

 RPM Engine Speed

 R Gear Box Ratio

 *C Shaft Center Distance
- D RPMXd over SPMXR
 d SPMXRXD over RPM
 SPM RPMXD over RXD
 R RPMXD over SPMXD

BELT LENGTH - 2C + 1.57(D + d) + (D-d)²

* Need these to figure belt length

WATTS = AMPS

TO FIGURE AMPS: VOLTS

746 WATTS equal 1 HP

Log Book

ell No.

Jam Superior

(State) Frank In (County)

(Section) (Township) (Range)

For TDR Construction
(Well Owner)

15-059-27226

Town Oilfield Services, Inc.

1207 N. 1st East Louisburg, KS 66053 913-710-5400

2" Set 2" Pulled	4" Set 4" Pulled	6%" Set 6%" Pulled	8" Set 8" Pulled	10" Set 10" Pulled	RECORD	CASING AND TUBING	The common of th	634 boschole	10 655	Distance from Line, 1467 to	(Township) (Range) $\langle UQ I$	10. 16 8	Contractor's Name	Tool Dresser's Name	Tool Dresser's Name	Tool Dresser's Name Acob Stock	Driller's Name	Driller's Name	Driller's Name Widey Deland	Finished Drilling 16 2017	Commenced Spuding 10 2 20	Elevation 1022	ell No. I-T	Superior Form: Franklin county	
	Ī.				 -		Q														-	L	- 4		
																		078		1918	2	1	F Cook	CASIN	

SING AND TUBING MEASUREMENTS

											0	04%	3118		484	Feet
_												1	7			ln.
													at t		125	Feet
H										1					10	5
										0:			7	-	-	Feet
	1												7	7		5

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	0	4	প	2	7	20	8	ر س	16	છ	શ્રે	_	22	6	28	ىد	118	þί	36	17	W	/	/	10	7	20	0-20	Thickness of Strata
-2-	Sandy Sta	Lime	Shale	Lime	Shale	Lime	Shale	Lime	Shale	a. I	Shale	Lime	Shale	Lime	Shale	Lime	Shale	Lime	Shale	Lime	Shale	J.m.Z	51212	CIM C	Shale	2	50:1 - Clay	Formation
- 1	118 45	405	900	395.	391	387	365	357-	334	3/8 -	316-	304 -	303	274-	26%	240	212	135	Q .	28	- 89	ST.	64	63	522		7.	Total —— Depth
		feld no.																Calbed	2d Land									
ψ																											A CHIRDING	Remarks

																	0											
	10	00	20	45	4	2		16	É	2	4	1/	10	13	W	20	8	7	eq	3	8	88	K	2/修	e	16	Thickness of Strata	
4	Stale	Sind & Shale	Shale	P.S.	Smaly Shall	Shale	Lime	Shale	Lime	Shale	Lime	Stale	とがよ	Shale	Sive	Shalfe	Line	Shale	Lime	Shalp	Sing	Shale	Samo	Shale	singly Shalf	Shale	Formation	
	040	766	758	738	664	660	671	670	654	642	633	620	618	608	505	592	572	1995	557	555	527	415	476	45%	437	12.4	Total *	15/h
-5-		best oil show	718-738 mostly sold.	broken-good oil stow											sprey- no Oil						brown-he oder-he show		ary-no Oi				Remarks	