KOLAR Document ID: 1581451

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:	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 ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
☐ CM (Coal Bed Methane)☐ Cathodic☐ Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
	If yes, show depth set: Feet
If Workover/Re-entry: Old Well Info as follows:	
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)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	·
GSW	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	QuarterSecTwpS. 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 Approved by: Date:

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Page Two

Operator Name: _				Lease Name:	ne: Well #:											
Sec Twp.	S. R.	E	ast West	County:												
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,								
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log								
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample								
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum								
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No													
		B	CASING eport all strings set-c		New Used	ion, etc.										
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives								
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD											
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives									
Perforate Protect Casi Plug Back T																
Plug Off Zor																
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,								
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)										
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity								
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom								
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT								
,	,			B.11 B1												
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record								
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:												
TODING RECORD:	. 3126.	Set	n.	i donei Al.												

Form	ACO1 - Well Completion
Operator	TDR Construction, Inc.
Well Name	DUFFY 37
Doc ID	1581451

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9	6.25	10	20	Portland	4	50/50 POZ
Production	5.625	2.875	14.25	800	Portland	100	50/50 POZ

Lease Owner:TDR Construction Inc.

WELL LOG

Thickness of Strata	Formation	Total Depth
0-43	Soil - Clay	43
19	Shale	62
8	Lime	70
2	Shale	72
17	Lime	89
7	Shale	96
12	Lime	108
3	Shale	111
20	Lime	131
28	Shale	159
5	Lime	164
6	Shale	170
23	Lime	193
72	Shale	265
24	Lime	289
23	Shale	312
6	Lime	318
45	Shale	363
2	Llme	365
16	Shale	381
7	Lime	388
2	Shale	390
13	Lime	403
9	Shale	412
23	Lime	435
4	Shale	439
4	Lime	443
4	Shale	447
5	Lime	452 hertha
123	Shale	575
3	Sand	578 no oil
10	Sand	588 broken good bleed
42	Shale	630
8	Lime	638
6	Shale	644
3	Lime	647
2	Shale	649
2	Lime	651
28	Shale	679
4	Lime	683

Franklin County, KS TDR Construction, Inc. Commenced Spudding:6/22/21 Well:Duffy 37 (913) 710-5400

Well:Duffy 37

Lease Owner:TDR Construction Inc.

11	Shale	694
4	Lime	698
2	Shale	700
3	Lime	703 slight oil show
26	Shale	729
3	Sand	732 - no oil
17	Sand	749 mostly solid - good oil show
2	Sand	751 broken-good oil show
89	Shale	840 TD

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OF TAXABLE PARTY.

	TOR.	(Section)	Ky Ky	(State)	KS	Farm D
(Well Owner)	(store	(Township)	SI		+	0744
1000		(Range	2	(County)	N is	

15-059.27302

Town Oilfield Services, Inc. 1207 N. 1st East Louisburg, KS 66053 913-710-5400

2" Set	4" Set	6%" Set 20	8" Set	10" Set	RECORD	CASING AND	100	4 xcks	Distance from	(Section) (Tow	Contractor's Name	Tool Dresser's Name	Tool Dresser's Name	Driller's Name	Driller's Name	Driller's Name	Finished Drilling	Commenced Spuding	Elevation 1028	K State; Well No.	Duffy Farm:
2" Pulled	4" Pulled	6¼" Pulled	8" Pulled	10" Pulled	ORD	TUBING		1110	X035 78/1	(Township) (Range)	70K	5	COMPAN DIST			Ty Dollard	0 23 20 21	6-22 2021		37	County County
	í.											-						3.		£	

CASING AND TUBING MEASUREMENTS

										048		835	Dur	3	Feet
L										-		7	U	V	Ę
										\bigcirc		021	7++		Feet
														D	'n
										C	X 7 X	1			Feet
										1		1			'n

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	4	4	23	5	13	හ	7	K	ىع	3.4	6	23	カス	イル	23	6	Vi	25	ひつ	(Vi	<u>ک</u>	7	17	ಬ	o()	19	0-43	Thickness of Strata
-2-	LIME	Shale	Lime	Shale	Lime	Shake	CIMIC	Shale	Lime	500	Lime	Shale	Lime	Shale	Lime	Shale	Lime	55/4	Lime	Shale	LIME	Shale	Lime	Shale	Lime	Shale 1	50.1 - 0/04	Formation
	574	439	435	5/14	403	390	388	8	365	363	318	3/2	285	265	192	170	164	159	131	111	801	96	89	z	70	62	43	Total Depth
پ-																												Remarks

*

				28	R	17	W	つ り	M	R	7	//	4	28	R	N	W	6	X	33	10	W	123	4	4	Thickness of Strata	
4				Shale	Sinc	Sinc	Saral	Whale	Lime	Shale	へえる	5/2/6	Lims	びたなしよ	LIME	Shale	1	Shale	Lime	Shale	SANC.	Sand	Shale	Lime	Shale	Formation	
ru.				240	75	749	732	なる	703	700	698	694	683	679	651	649	647	644	638	630	888	578	575	452	447	Total Depth	443
-5-					1 a Oed	off solid- dead oil s	MO O	1	S/15ht 01 Shall											000 E 1000	17 Caso 71	700		H-5 tre		Remarks	



CEMENT TREATMENT REPORT																		
Custo	omer:	TDR Cor	nstructi	on	Walls		Duffy 36, 37	Ticks		EP2116								
City, S	state:	Louisbu	rg, KS		County:		FR, KS	1000										
	TE A	Lance To			S-T-R:		32-15-21	Dat		6/23/2021								
	Chief of	Ediloc 1			C.U.R.		32-13-21	Servic	EPH	longstrings								
Down	hole l	nformatic	in		Calculated :	Slurry - Loa	F-20-06		Calculated Slurry - Tail									
Hole	Size:	5 5/8	in		Blend:		50/2		Blend:									
Hole D	epth:	820	ft		Weight:	14.25	ppg	Weigl		ppg								
Casing	Size:	2 7/8	In		Water / Sx:		gal / sx	Water / S		gal/sx								
Casing D	epth:	800	ft		Yield:	1.24	ft³/sx	Yiel	68	ft³/sx								
Tubing / Liner:			in		Annular Bbls / Ft.:		bbs / ft.	Annular Bbis / F		bbs / ft.								
Dapth:			ft		Depth:		ft	Dept	Depth: ft									
Tool / Packer:		bafi	fle fle		Annular Volume:	0.0	bbls	Annular Volum	ie:	O bbis								
Taol D	epth:	770	ft		Excess:			Exces	st									
Displacement:		4.46	bbis		Total Slurry:		bbls	Total Sluri	y:	0.0 bbla								
			STAGE	TOTAL	Total Sacks:	0	sx	Total Sack	s:	xe O								
	RATE	PSI	BBLs	BBLs	REMARKS			THE REPORT	9									
2:00 PM	_		-	-	on location held safety meeting													
	4.0			- *	#36 - established circulation													
	4.0	-			mixed and pumped 200# Bentonite Gel followed by 4 bbls fresh water													
	4.0				mixed and pumped 97 sks 50/50/2 Pozmlx cement, cement to surface													
	4.0				flushed pump clean													
1.0																		
	1.0				pressured to 800 PSI, well held pressure, released pressure to set float valve													
					washed up equipment	vashed up equipment												
						37. astablished circulation												
						17 - established circulation												
4.0				-	mixed and pumped 200# Bentonite Gel followed by 4 bbls fresh water mixed and pumped 100 sks 50/50/2 Pozmix cement, cement to surface													
						0 sks 50/50/2	Pozmix cement, cemen	it to surface										
					flushed pump clean													
	1.0				pumped 2 7/8" rubber plug to baffle with 4.64 bbls fresh water													
	4.0				pressured to 800 PSI, well held pressure, released pressure to set float valve													
	7.0				wasneu up equipment	hed up equipment												
	-								_									
				-		-												
	\neg								-									
									1,00									
N. F. C. S. L. S.	-	CREW	NAME OF THE OWNER, OF THE OWNER, OF THE OWNER, OF THE OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER,		UNIT			SUMM	/IDV									
Cementer:			y Kenned	ly	89		Average Rate		OLANA S	Total Fluid								
Pump Ope			ett Scott		239		3.1 bpm	Average Pressure	_	Total Fluid								
	Bulk:		anborn		248		3.7 Spm	ј - рві		- bbls								
	H20:				-10													