

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1203978

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:			Sec	TwpS. R			
Address 2:			Feet	from North / South Line of Sectio			
City: St	ate: Zip	D:+	Feet	from East / West Line of Section			
Contact Person:			Footages Calculated from Ne	earest Outside Section Corner:			
Phone: ()			□ NE □ NW	☐ SE ☐ SW			
CONTRACTOR: License #			GPS Location: Lat:	, Long:			
Name:				g. xx.xxxxx) (e.gxxx.xxxxx)			
Wellsite Geologist:			Datum: NAD27 NAD27				
Purchaser:			County:				
Designate Type of Completion:			Lease Name:	Well #:			
New Well Re-	·Fntrv	Workover	Field Name:				
	_		Producing Formation:				
☐ Oil ☐ WSW	☐ SWD	SIOW	Elevation: Ground:	Kelly Bushing:			
☐ Gas ☐ D&A ☐ OG	☐ ENHR	☐ SIGW ☐ Temp. Abd.	Total Vertical Depth:	Plug Back Total Depth:			
CM (Coal Bed Methane)	G3W	iemp. Abd.	Amount of Surface Pipe Set a	and Cemented at: Fee			
Cathodic Other (Core	Expl etc.)		Multiple Stage Cementing Co				
If Workover/Re-entry: Old Well Inf				Fee			
Operator:				nent circulated from:			
Well Name:			, ,	w/sx cm			
Original Comp. Date:			loot doparto.				
	_	NHR Conv. to SWD					
Deepening Re-perf. Plug Back	Conv. to GS		Drilling Fluid Management F (Data must be collected from the				
Commingled	Permit #:		Chloride content:	ppm Fluid volume: bbl			
Dual Completion	Permit #:		Dewatering method used:				
SWD	Permit #:		Location of fluid disposal if ha	auled offsite:			
☐ ENHR	Permit #:		One water Name .				
GSW	Permit #:						
				License #:			
Spud Date or Date Rea	iched TD	Completion Date or		TwpS. R			
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					
Geologist Report Received					
UIC Distribution					
ALT I III Approved by: Date:					

Page Two



Operator Name:			Lease Name: _			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				21			
Fotimeted Device 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	TDR Construction, Inc.		
Well Name	Nuckolls I-1		
Doc ID	1203978		

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9	7	10	21	Portland	3	50/50 POZ
Completio n	5.6250	2.8750	8	762	Portland	122	50/50 POZ



267000

LOCATION Have KS

FOREMAN Case Kennedy

PO Box 884, Chanute, KS 66720 131-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

131-9210	or 800-467-8676	CEN	I La I V I			
DATE	CUSTOMER#	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3/3//14	7841	Nuckolls # I-1	NE2	16	21	M
USTOMER	c 1 1.			cau sienieus	grandin in	7 14 de 13 :
MAILING ADDRE	Construction		TRUCK#	DRIVER	TRUCK#	DRIVER
	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		729	Casker	1 Sataly	Madina
1207		TE ZIP CODE	CoCoCo	GarMoo	V '	
CITY	STA		548	lik Haa		
Louisbur		KS (16053				
OB TYPE OF		E SIZE 55/2" HOLE D	EPTH 780'	CASING SIZE & V	VEIGHT_27/8	"EUS
ASING DEPTH	700 DRIL		battle - 731		OTHER	
LURRY WEIGH			gal/sk	CEMENT LEFT in	CASING 31'	4
ISPLACEMENT	14.23 66 DISF	LACEMENT PSI MIX PSI		RATE S Spu		
EMARKS: Le	- X	77	lation, mixa	d + pumpes	200#	Premiou
rel tellou	sed by 10 66	Is teech water mis	ego + pouse	122 st.		7 uix
queent.	w/ 2% ce	for sk rewent	to surface y	Plushed pur	usclan	pull. ac
2/2" reld	per dua to b	attle w/ 4, -33 bb/s 1	trosh water	pressured	to 800 i	PSI, wel
reld prossu	ne for 30 u	in Mit, released prose	wre shot in	casing.	***************************************	
					. ()	
					15	***
TO GOOD COOK	TOS suppli	ed unto		7-	T	
	70		(1/3)			
ACCOUNT CODE	QUANITY or U	NITS DESCRIPTION	ON of SERVICES or PR	RODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE				1085.00
5406	20 mi	MILEAGE				84.00
5402	762'	casina fantao	R			
5407	minimum	, , , ,	n mileage			368,00
850000				111		2007
				· · · · · · · · · · · · · · · · · · ·		
1124	122 8	c 50/50 Poqui	· cole a d			
100	1 001000 00		V COLLUNIO		14/13 00	-
HOD	MAT #	Drewing Go	2 Cameri		1403.00	/
111813	405 #	Premion Ge	2l	. 10	89.10	
1118B	405 #	Premion Gs	el not	erials	1492.10	/
1118B	405 #	Premion Gs	el not	0% -	89.10	
	405 #	Premion Ge	2K 		1492.10	1044.4
	405 #	D'/s "rubber p	2K 	0% -	1492.10	
	405 #	Premion Ge	2K 	0% -	1492.10	1044.4
	40.5	Premion Ge	2K 	0% -	1492.10	1044.4
	405 #	Premion Ge	2K 	0% -	1492.10	1044.4
	40.5	Premion Ge	el not -3	rominia	89.10° 1492.10° 442.63	1044.4
	405 #	Premion Ge	2K 	0% -	89.10° 1492.10° 447.63	1044.4
	405 #	Premion Ge	el not -3	complete	89.10° 1492.10° 442.63 3175.01	1044.4
4402	405 #	Premion Ge	el not -3	rominia	89.10° 1492.10° 442.63 3175.01	1044.4
4402		21/2 "rebberg	el not -3	complete	89.10° 1492.10° 442.63 3175.01 SALES TAX ESTIMATED	1044. 4 29.50
4402	405 #	21/2 "rebberg	el not -3	complete	89.10° 1492.10° 442.63 3175.01	1044.4

account records, at our office, and conditions of service on the back of this form are in effect for services identified on this for

WELL LOG

hickness of Strata	Formation	Total Depth	
0-7	soil/clay	7	
18	lime	25	
7	shale	32	
10	lime	42	
5	shale	47	
17	lime	64	
18	shale	82	
7	sand	89	
7	shale	96	
20	lime	116	
82	shale	198	
21	lime	219	
30	shale	249	
5	lime	254	
41	shale	295	
2	lime	297	
8	shale	305	
12	lime	317	
2	shale	319 333	
14	lime		
10	shale	343	
22	lime	365	
4	shale	369	
4	lime	373	
4	shale	377	
6	lime	383	
27	shale	410	
10	sandy shale	420	
70	shale	490	
13	sand and sandy shale	503	
34	shale	538	
10	sandy shale	548	
7	lime	555	
32	shale	587	
8	lime	595	
13	shale	608	
4	lime	612	
10	shale	622	
11	lime	633	
22	shale	655	

Miami County, KS Well:Nuckells I1 Lease Owner: TDR

Town Oilfield Service, Inc. Commenced Spudding: 03/28/2014

		050
1	lime	656
2	shale	658
2	lime	660
6	shale	666
4	sand	670
2	sand	672
5	sand	677
5	sand	682
14	sandy shale	696
86	shale	780-TD
- 55	Siterio	
	 	
L		

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) + $\frac{(D-d)^2}{4C}$

* Need these to figure belt length

WATTS = AMPS

TO FIGURE AMPS:

VOLTS AWIT

746 WATTS equal 1 HP

Log Book

Well No. T1		
Farm Nuc Kol	ls	
(State)	36	Michael (County)
(Section)	16 (Township)	(Range)
For TDR	(Well Owner)	

Town Oilfield Services, Inc.

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

Nucholls Farm: Mami County	C,	ASING A	AND TUBING	MEASU	REMENTS	S
State; Well No. I-1	Feet	In.	Feet	ln.	Feet	In
Elevation 992	731		Baffle			
Commenced Spuding 03/28 ,2014		65	THE	-11		+
Finished Drilling 03/31 2014	763	45		otal		+
Driller's Name Greg Perry		+				rî H
Driller's Name Wes Dollard	******	 				
Driller's Name	6	-				
Quen Ward		-				-
Tool Dresser's Name Ryan Ward						
Tool Dresser's Name		1				-
Tool Dresser's Name						
Contractor's Name 705				-		
2 16 21						
(Section) (Township) (Range)						
listance from line, 4950ft.						
istance from E line, 330 ft.	·			_		-
3 sacks						
9 hours						
CACING AND TURING	8					
CASING AND TUBING						
RECORD	X					
10" Set 10" Pulled						_
8" Set 8" Pulled	- X**					
Set 21 6%" Pulled	ă .					
4" Set 4" Pulled						
2" Set 2" Pulled			9-240			

Thickness of Strata	Formation	Total Depth	Remarks
0-7	Soil- Clay	7	Nemans
18	Lime/	25	
7	Shale	32	1
10	Lime	42	
15	Shale	47	1
17	Lime	64	
18	Shale	92	
7	Sand	39	No Oil
7	Line Shale	96	- No O1
20	Lime	116	
82	Shale	198	
82 21 30	Lime	219	
30	Shale	249	
5	Lime	254	
41	Shale	295	
2	Lime	297	
8	Shale	305	
12	Line	317	
2	Shale	319	
14	Line	333	
10	Shale	343	
22	Lime	365	
4	Shale	369	4 1 1
4	Lime	373	4
4	Shale	377	_
6	Lime	383	Hertha
27	Shale	1410	=:

-2-

		410	
Thickness of Strata	Formation	Total Depth	Remarks
10	Sandy Shale	420	No Oil
70	Shale	490	-NO 011
13	Sand, Sandy &	60903	No Oil
34	Shale	938	1001
10	Sandy Shale	548	No Oil
7	Lime	535	
3 a 🗆	Shale	587	
8	Lime	599	
17	Shale	608	
4	Lime	612	
10	Shale	622	
11	Lime	633	
23	Shale	655	
1	Lime	656	
2	Shale	658	
ą	Lime	660	-
6	Shale	666	· **
4	Sand	670	No Dil
a	Sand	672	Broken
5	Sand	677	Solid
5	Sand	682	Broken
14	Sandy Shale	698	The state of the s
94	Shale	780	TD
	The state of the s		
		n.	
10 0	<u> </u>		

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