KOLAR Document ID: 1511345

Confiden	tiality Re	quested:
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:					
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: ()					
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:				
	Producing Formation: 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? Yes No				
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:				
SWD Permit #:	Location of fluid disposal if bauled officite:				
EOR Permit #:					
	Operator Name:				
	Lease Name: License #:				
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West				

County:

Recompletion Date

Date Reached TD Recompletion Date

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:					

Permit #:_

KOLAR Document ID: 1511345

Operator Name:	Lease Name: V	Nell #:
Sec TwpS. R East _ West	County:	

Page Two

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Sh	eets)	Y	es 🗌 No			og Formatio	n (Top), Depth	and Datum	Sample
Samples Sent to Geolog	nical Survey		és 🗌 No	Ν	lame	e		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:	Logs		ies No ies No ies No						
		Repo	CASING I	RECORD] Ne	w Used rmediate, productio	on, etc.		
Purpose of String	Size Hole Drilled	Siz Se	ze Casing tt (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose: Depth Type of Ce		e of Cement	# Sacks Used			Type and	Percent Additives		
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the is Was the hydraulic fractu 	ulic fracturing treatme total base fluid of the h ring treatment informa	nt on this w hydraulic fra tion submit	vell? acturing treatment tted to the chemica	exceed 350,000 al disclosure regis	gallo stry?	Yes Yes Yes Yes	 □ No (If No, s □ No (If No, s □ No (If No, f 	kip questions 2 ar kip question 3) ill out Page Three	nd 3) of the ACO-1)
Injection:			Flowing	Pumping		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITION	I OF GAS:		M	ETHOD OF COM	IPLE	TION:		PRODUCTIO	ON INTERVAL:
Vented Sold (If vented, Subm	Used on Lease	Lease Open Hole Perf.		Perf. D	Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)		Bottom		
Shots Per Perf Foot	oration Perfora Top Botto	rforation Bridge Plug Bridge Plug Acid, Fracture, Shot, Cementing Squeeze Rec Bottom Type Set At <i>(Amount and Kind of Material Used)</i>					Record		
	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	White Exploration, Inc.
Well Name	LAWRENCE 1
Doc ID	1511345

All Electric Logs Run

Compensated Density Neutron
Dual Induction
Micro Log
Sonic Log

Form	ACO1 - Well Completion
Operator	White Exploration, Inc.
Well Name	LAWRENCE 1
Doc ID	1511345

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	52.78	52	8 sack grout	137	
Surface	12.25	8.625	23	394	60/40 Poz Mix	275	2% gel, 3% CC
Production	7.875	5.5	15.5	4627	Pro-C	170	2% gel, 10% salt, .6^ C-16A, .25% C41P, 1/4# Floseal/sa ck

QUALI Y WELL SERVICE, INC. Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

Office 620-727-3410 Fax 620-672-3663

Rich's Cell 620-727-3409 Brady's Cell 620-727-6964

7347

	Sec.	Twp.	Range	(County	Sta	ate	On Location	Finish
Date 1-17-20	25	315	NW	BAR	ber	Ki			
Lease LAWRENCE	w	ell No.		Locatio	on NEO.Lod	GE, KS	311+	o Wells Rd 1	2 E
Contractor Picknell	Delf	<u>a Rig</u>	#10		Owner 1/2	NEI	nto		
Type Job SURFACE					To Quality We You are here	ell Service, by reques	, Inc. ted to rent	cementing equipmer	it and furnish
Hole Size 121/4		T.D.	394'		cementer an	d helper to	assist owr	ner or contractor to d	o work as listed.
Csg: 95/2 23+	*	Depth	393'		To W	-	Explor	Ation INC.	
Tbg. Size		Depth			Street	· · ·	9		
Tool		Depth	. <u>.</u>		City			State	Х
Cement Left in Csg.		Shoe Jo	oint 25		The above wa	s done to s	atisfaction ar	nd supervision of owner	agent or contractor.
Meas Line		Displac	e _23.55		Cement Amo	ount Order	ed 275	5 60/40 2 <u>/</u> C	rel
	EQUIPM	IENT	T		3166	1/2 " 4	25		
Pumptrk 3 No.					Common / (555	· · · · ·		
Bulktrk 15 No.					Poz. Mix)) <u>%</u>			
Bulktrk No.				•	Gel. 4	<u>13^µ</u>			
Pickup No.				•	Calcium 7	10 ^E			
JOB SE	RVICES	& REMA	RKS		Hulls				
Rat Hole			·		Salt			0	
Mouse Hole					Flowseal	37.5*		~~	
Centralizers	,				Kol-Seal			· ,	·
Baskets					Mud CLR 48				
D/V or Port Collar					CFL-117 or	CD110 CA	AF 38		
RUN 9 54 5 378.	23°CS1	<u>G SET</u>	<u>d 393'</u>		Sand				
Pomp 12. Rbk H23					Handling a	294			
START MIX! PUM	601	140			Mileage)	5/ 7.35	07	۰ که 	*
21. GEL 31. CC 1/2"	PS 2	14.81	IGAL		· · · ·	FLOA	TEQUIPM	ENT	· · ·
START Diso			- 		Guide Shoe				
PLIGDENN					Centralizer			- 13/18/01 - 10/19 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	
CLOSE VALVE ON C.	59 15	50F			Baskets				
Good CIRC that.	JOZ				AFU Inserts				
CIEL CMT TO PI	П		•		Float Shoe				
· ·					Latch Down			·	
					SERVICE S	SLAN	1 EA	•	
					LM1 2		•		
THANK YOU					Pumptrk Charge Set P(C				•
PLEASE CAN AGAIN				Mileage 50					
TOON TT	JAN	: Min	(e					Tax	
		f .	• •					Discount	
X Signature / Dales	Buch	L						Total Charge	
		2							Taylor Printing, Inc.

QUALI Y WELL SERVICE, INC.

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

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	Sec.	Twp.	Range	(County	State	On Location	Finish	
Date 1-25-20	25	315	こと	Br	rebee Ks				
Lease LAWRENCE	v l	Vell No.	1	Locatio	on MED I	LODGE K. NH	o WELLS Rd	1/2 E	
Contractor PICLUEL	1 Dr	<u>16 2</u>	G 4/0		Owner 1/2	SEESim	<u>ح</u>		
Type Job 512 L.S	•				To Quality W You are here	ell Service, Inc. by requested to rent (cementina equipmen	t and furnish	
Hole Size 778		T.D.	4629		cementer an	d helper to assist owr	ner or contractor to d	o work as listed.	
<u>Csg. 512 155</u>	-+	Depth	4627 '		To Charge W	HITE Explor	Ation INC.		
Tbg. Size		Depth			Street	· . •		·	
Tool	• - 4	Depth	· -		City	-	State		
Cement Left in Csg. 43	.25	Shoe Jo	oint 43, 25		The above wa	s done to satisfaction an	d supervision of owner	agent or contractor.	
Meas Line		Displac	e 109.09		Cement Amo	ount Ordered 200	schol.	2.1.62	
		AENT	1		101.5911	Sty KolsEAL.	6% CIGA .25% (:41 p 1/4" PS	
Pumptrk 3 No.	<u>`</u> .		· · · ·		Common 2	<u> </u>		·····	
Bulktrk 15 No.					Poz. Mix			•	
Bulktrk No.					Gel. 37(0			
Pickup No.			· · · · · · · · · · · · · · · · · · ·		Calcium 🙏	27 17 1			
JOB SEI	RVICES	& REMA	RKS		Hulls				
Rat Hole 30 50					Salt IJI .				
Mouse Hole					Flowseal 50 [#]				
Centralizers 4-6-7-9	3-9-10	0-11-1	2		Kol-Seal JOD"				
Baskets					Mud CLR 48	500 GL.		·····	
D/V or Port Collar Scraf	chers	B.9-	10		CFL-117 or	CD110 CAF 38 C16	A 112.84/0.		
Roulogod's 5/1	15,5	5 PCSG	SETD 46	27'.	Sand C4	1P 47 H. CC-	1 00 GnL.	· · · · ·	
STAR CLG CVG ON	Both	m: TA	6		Handling 2	46			
Hook up to CSG ? B	hEAK (<u>ciec w</u>	Rig		Mileage 2⊆	16150		· · · ·	
Kimp 13 Rbus H20 12B	bls MF	= 10 1	351, 1125		51	2 FLOAT EQUIPME	INT		
Plug R- Hole 30	Ś				Guide Shoe	RJOTE HEAD	IEA.	· · · · · · · · · · · · · · · · · · ·	
Mix Pomp 170 SX	Pro	621	4.34/GAL.		Centralizer (3 EA. PLUG (Curt IEA.		
SHUT ODWN WASH	1 up -	tick Ri	elence 5th L	D P).6	Baskets	I EA.		· · ·	
START Disp W/21	! KLL	• •			AFU Inserts	19 EA Sceat	hers.		
LT.FT PJ: 650 9	2 at				Float Shoe EA ·				
PING DOWN 1000+ 110 at					Latch Down \ NA ·				
PSi40 1500#					SERVICE SON IEA				
RELEASE & HELD 3/4 Dbl BACK					LMV ZS				
Good CIPL that I	MB				Pumptrk Cha	rge LONGSTRIN	G ·		
THAI	11. Y	W			Mileage 50)			
PLEASE	CALL	16AIN	J.			1 5	Tax		
TJ MIKE 2	JAKE	TOND			(The	and the stand	Discount		
X Signature					_ pr	majoria	Total Charge	-	
; ;	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1						.,	Taylor Printing, Inc.	



Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: Lawrence #1 API: 15-007-24366 Location: 25-31S-12W License Number: Spud Date: 1/16/20 Surface Coordinates: 2075' FSL, 660' FEL

Region: Barber Country, KS Drilling Completed: 1/24/20

Bottom Hole Coordinates: Ground Elevation (ft): 1518 Logged Interval (ft): 3300 Formation: Simpson Type of Drilling Fluid: Chemical

To: 4630

K.B. Elevation (ft): 1525 Total Depth (ft): 4630

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.co

OPERATOR

Company: White Exploration, Inc. Address: 1635 N Waterfront Pkwy, Ste. 100 Wichita, KS 67206

GEOLOGIST

Name: Andrew White Company: White Exploration, Inc. Address:

Remarks

Due to good sample shows and log evaluation, the decision to run casing to test the Mississippian was made.

General Info
Drilling Contractor: Pickrell Drilling, Rig #10
Logs: ELI, Neutron/Density, Dual Induciton, Micro, Sonic
Drilling Mud: Mudco/Service Mud, Inc.
Gas Detector: Bluestem
Surveys: 395'75, 4280'-1, 4630'-1

Daily Status 1/08/20: Rig up KODA Services, set 20" conductor casing @ 52' 1/16/20: Spud @ 7:00 p.m. 1/17/20: Running 8-5/8" surface casing. Ran 9 joints new 23# surface casing (384') set @ 394'. cemented with 275 sacks 60/40 Poz Mix, 2% gel, 3% CC. 1/18/20: Drilling ahead @ 1100' 1/19/20: Drilling ahead @ 2067' 1/20/20: Drilling ahead @ 2792' 1/21/20: Drilling ahead @ 3412' 1/22/20: Drilling ahead @ 4038' 1/23/20: Making bit trip @ 4280' 1/24/20: Drilling ahead @ 4608' 1/25/20: Cementing 5-1/2" Produciton casing

	White Ex				O.H. Parker			
	Lawrence #1				Nuckolls #1			
	25-31S-12W				25-31S-12W			
	2075' FSL, 660' FEL				NW NW SE			
	KB:1525				KB: 1522			
	Sample	Log	Datum		Relationship			
Heebner	3498	3492	-1967		+2			
Lansing	3694	3694	-2169		-1			
Stark	4057	4056	-2531		-8			
Miss	4255	4255	-2730		-12			
Kind	4392	4391	-2866		N/A			
Viola	4522	4522	-2997		N/A			
Simp	4620	4614	-3089		N/2	A		

er	National Pet.						
#1	Rucker A1						
W	25-31S-12W						
SE	1950' FSL, 2150' FEL						
	KB: 1557						
nip	Relationship						
	+10						
	+4						
	+6						
	-5						
	+8						
	+9						
	N/A						

Indian Oil						
Lawrence #2						
30-31S-11W						
NW NE SW						
(B: 1534						
Relationship						
0						
+3						
+9						
+6						
+18						
N/A						
N/A						

ROCK TYPES								
		Sitst Ss	∠ ~	Ferr Glau	FOSSIL	Algae	ø ◆	Pellet Pisolite
Bent	2000000	Till	N 9	Gyp	∎ P	Amph	Ø	Plant
	MINERAL	-	К	Kaol	 	Bioclst		
Coal		Anny Arggrn	*	Marl Minxl	e e	Brach Bryozoa		:R Anhy
Congl	B	Arg Bent	•	Nodule Phos	2 2	Cephal Coral	1500 III	Arg Bent
Gyp	8	Bit Brecfrag	P	Pyr Salt	0	Crin Echin		Coal Dol
	⊥	Calc		Sandy	8 0	Fish		Gyp
m m m m meta m m m m m Mrist		Chtdk	 	Sil	F	Fossil	····	Mrst
Salt		Chtit Dol	$\overline{\vee}$	Sulphur Tuff	<u>ه</u>	Gastro Oolite		Sitstrg Ssstrg
Shcol	•	Feldspar Ferrpel			4	Ostra Pelec		









LS: crm-tan-gry, mcrxIn, some fxIn, sli fos, sli chalky

LS: crm-gry, sli tan, mcrxIn, fos, sli cherty

LS: crm-gry, sli tan, mcrxln, sli fxln, sli fos, some Slt: It gry, prt vfgrn

LS: crm, sli gry-tan/brwn, mcrxln, sli fos, sli chalky

A.A. with Slt: It gry, sli vfgrn

LS: crm-tan, sli gry, mcrxln, chalky

LS: crm-tan, mcrxIn, sli fxIn, fos, chalky

LS: crm-gry, sli tan, mcrxln, sli chalky

A.A.

LS: tan-crm, mcr-fxln, sli fos, sli chalk

LS: crm, sli gry, mcrxln, fos, chalky

LS: crm-gry, sli tan, mcr-fxln, sli fos, sli chalk

A.A.

LS: crm-gry, sli tan, f-mcrxln, sli fos, sli chalk, sli chert

LS: A.A.

LS: gry-crm, sli tan, mcrxln, chalky

LS: tan/brwn-crm, sli gry, f-mcrxln, sli chalk, sli chert

LS: tan-crm, sli gry mcrxln, sli fxln, chalk

A.A.

LS: gry-tan, mcr-fxln, chalky, sli chert

LS: tan-crm, mcrxln, sli fxln, chalky





LS: tan/brwn, sli crm-gry, f-mcrxln, chalky sli fos

A.A. very chalky

LS; crm, sli gry, mcrxln, chalk

A.A.

LS: crm, sli tan-gry, mcrxIn some fxIn, chalk

A.A.

LS: crm-gry, sli tan, mcrxIn, chalk

A.A. with Sh: gry

LS: gry-tan-crm, mcrxIn, sli chalk, sli chert, Sh: A.A.

LS: crm-gry, mcrxIn, sli fxIn, Sh: gry-drk gry

LS: gry-crm, mcrxIn, sli chalk, Sh: A.A.

LS: A.A. with Sh: A.A.

Sh: gry-drk gry, LS: gry-crm, mcrxIn, sli chalk

Sh: gry-drk gry, sli blck, some LS: A.A.

LS: crm-tan, sli gry, mcrxIn, some fxIn, pos sli stain, no odor, pr vis por, pos sli gas bubble

LS: crm-gry, sli tan, mcr-fxln, sli fos, few sli ool, pos sli odor, Sh: blck, drk gry, gas in cup(Stark Shale?)

LS: crm-tan, sli gry, mcr-fxln, sli fos, Sh: A.A.

LS: gry, sli crm-tan, mcrxIn, sli fos, Sh: blck-drk gry-gry

LS: crm-gry, sli tan, mcrxIn, sli chalk, Sh: A.A.

LS: gry-tan, sli crm, mcrxIn, Sh: gry

LS: gry-crm, mcrxin, Sh: gry-lt gry

LS: gry-crm, mcrxIn, sli chalky, Sh: A.A.











	LS: gry-crm, mcrxIn, sli fxIn, dolo, sli chalky, sli chert	
0 ROP min/fti 10 9	A.A. with Sh: gry-It gry, sli drk gry	TG, C1, C5 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 100000 10000 100000
	Sh: gry-It gry, sli drk gry, some red/green RTD 4630 LTD 4629	Simpson Shale: 4620 (-3095) Mudco mudchk. Wt: 9.4+ Vis: 47 pH: 10.5 Fil: 8.8 LCM: 2.5#

Koda Services, Inc.

Conductor and Rat Hole Drilling, Landfill Gas Drilling and Well Construction Nationwide

	- CONTRACT - SHOW AND AND AND THE MARK
	磁振频器 鐵 输展处理 检 医心腔测明
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Date	Invoice #			
1/13/2020	13234			

INVOICE

Bill To

White Exploration Inc. 1635 North Water Front Parkway Suite 100 Wichita, KS 67206

Legal Description	Ordered By	Terms	Field Ticket	Lease N	ame	<u> </u>	Drill Rig
	Torm Daird	Not 20	0575	Lourano	o #1		
		INEL 50	9373		e #1		
ltem	Quantity		Description		Rate	9	Amount
Conductor 20" Pipe Ream Hole 60" X 5' Placement Dirt Removal Welder Grout Deliver Grout MD188 Cover Plate Barrier Fence	53 53 1	Drilled 53' of 30" ho Furnished 53' of 20" Ream Hole Furnished 5' X 5' tinl Equipment and Labo Provided Labor and 1 cleanup Welder Furnished grout Deliver grout to loca Furnish Grout Pump Cover Plate Provided and Set Ban Pro C b/r	le for conductor conductor pipe horn r to install pipe in Equipment for dirf tion rrier Fence $\downarrow 0 3 2$ 00 50 53' o f	holes removal and 20 BCf 30'' CB	p	35.00 40.00 550.00 910.00 550.00 250.00 400.00 215.00 300.00	1,855.00 2,120.00T 550.00 550.00T 910.00 550.00 1,500.00T 400.00 215.00 300.00T 300.00T
Thank you for your b	usiness.			Sub	total		\$9,500.00
		5		Sale	es Tax(7	.5%)	\$357.75
				Tota	al		\$9,857.75

P.O. Box 66 · Woodward, OK 73802-0066 · Phone: (580) 254-5019 · Fax: (580) 254-5908