KOLAR Document ID: 1432567

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	· DESCRIPTIO	N OF WELL	& LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / 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?
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 #:	
SwD Permit #:	Location of fluid disposal if hauled offsite:
	Operator Name:
	Lease Name: License #:
Sourd Data or Data Data Data TD Completion Data or	Quarter Sec TwpS. R East West
Recompletion Date Reached TD Completion Date of 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 III Approved by: Date:						

KOLAR Document ID: 1432567

Operator Name:				Lease Name:	Well #:
Sec	Twp	S. 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	acate)	Y	′es 🗌 No	[og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo	aical Survey		les No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:	Logs	□ Y □ Y □ Y	és ☐ No és ☐ No és ☐ No						
		Rep	CASING ort all strings set-c	RECORD] Ne	w Used	on, etc.		
Purpose of String	Size Hole Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[1		ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose:	Depth Top Bottom	Туре	e of Cement	# Sacks Use	d		Type and	Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the Was the hydraulic fractu 	aulic fracturing treatme total base fluid of the uring treatment informa	ent on this v hydraulic fr ation submi	vell? acturing treatment tted to the chemic	exceed 350,000 al disclosure regi	gallo stry?	Nes 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)
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		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	N OF GAS:		METHOD OF			TION:		PRODUCTION INTERVAL:	
Vented Sold (If vented, Subn	Used on Lease		Open Hole	_ Perf C <i>(S</i>	ually ubmit	Comp. Com ACO-5) (Subn	nit ACO-4)		
Shots Per Perforation Perforation Foot Top Bottom		ation om	Bridge Plug Type	Bridge Plug Set At		Acid,	Fracture, Shot, C (Amount and Ki	ementing Squeezend of Material Used)	Record
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Trans-Western Operating Company
Well Name	WALKER 2
Doc ID	1432567

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	303	60/40 Poz	200	3% CaCl, 2% gel, .25# Flo- Seal

810 E PO Bo EUREKA, (620) 58	E 7 [™] ox 92 KS 67045 3-5561 - <i>3</i> -3862	CEM	IENTING & ACID	SERVICE	, LLC		Ceme Ticket Forem Camp	nt or Acid Fie No. 432 nan <u>Kevin N</u> <u>Eureka</u>	ld Report 23 7°Coy
Date	Cust. ID #	Leas	e & Well Number		Section	Township	Rang	e County	State
1-4-19	1305	WALKO	R # 2		33	185	90	Rice.	KS
Customer				Safety	Unit #		Driver	Unit #	Driver
TRANS-U	lestern	Operating	COMPANY	Meeting	104	AlAI	v m.		
Mailing Address	Sec. 1	, ,	, ,	Am	113	Zev	A.		
P.O. Box	276			ZA					
City Golden		State	Zip Code 80402						
Job Type Sur	RFACE	Hole Dep	th 303' KB	= 8'	Slurry Vol. 4	14		Tubing	1000
Casing Depth 39	3. 77 '@ 3	03 KB Hole Siz	e 12 1/4"		Slurry Wt. 15	1.8 *		Drill Pipe	
Casing Size & W	t. 8 % 2	Cement L	eft in Casing 20'		Water Gal/SK 5.6 Other				
Displacement 18	. 2	Displace	ment PSI		Bump Plug to BPM				
Remarks: SA	Fety Mo	eting: 85	18 23 CASING	Set	@ 293.97	'= 3' Be	low G.L	. Rigupto	8 5/8 CASM
BREAK CIR	CULATION	w/ iD Bbl.	Fresh water	MIXE	d 200 SKS	- 60/401	Pozmix	Cement w/ 3	% CACLE
2% Gel 1/3	1# FTO-SEA	L/SK@ 14.8	#/gal yield	1.24 =	44 BbL.	STURRY.	DISPLACE	e w/ 18. 2 Bbl	Fresh
WAter. Shu	+ CASING	IN. Good	Cement to	SURFA	ce = 8 Bb	LSTURR	+ to Pi	t. Job Comp	lete.
0 1	1					1		/	

Code	Qty or Units	Description of Product or Services	Unit Price	Total
: 101	1	Pump Charge	890.00	890.00
/07	100	Mileage	4.20	420.00
203	200 5K5	60/40 Pozmix Cement	13.40	2680.00
: 205	500 #	CACLZ 3%	. 63 *	315.00
206	340 *	Gel 2%	. 21 *	71.40
209	50 *	FTO-SEAL 1/4 # /SK	2.35 *	117.50
108 B	8.6 Tons	Ton Mileage 100 Miles	1.40	1204.00
			Sub TotAL	5697.90
		THANK YOU	Less 5%	296.83
	Δ	<u>—M</u> 7.5%	Sales Tax	238.79
Authoria	ration Jun	min Title Southward Tool Pusher	Total	5639. 80

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

				the second second	-				
810 PO B EUREKA, (620) 58	E 7 [™] ox 92 KS 67045 33-5561	S CEN	IENTING & ACID S	BERVICE	LLC		Ceme Ticket Forem Camp	nt or Acid F No. 4: nan <u>Davi c</u> <i>Eurek</i> a	ield Report 336 1 Gardner
Date	Cust. ID #	Leas	e & Well Number		Section	Township	Range	e County	State
1-9-19	1305	Walk	er #2		33	185	90	, Rice	KS
Customer Trans - 1 Mailing Address P.0. City Golde	<u>Box 2</u>	Operating 76 State CD	g Company Zip Code 80407	Safety Meeting DG JH ZH ZA	Unit # /05 //0	Ja Ze	river Son H. Pui 14.	Unit #	
Job Type P.T. A. New Well Hole Depth 32.80° Slurry Vol. Tubing Casing Depth Hole Size 7.7/8" Slurry Wt. 1/4" Drill Pipe 41/2" 1/6" Casing Size & Wt. Cement Left in Casing Water Gal/SK 6.5 Other Other Displacement Displacement PSI Bump Plug to BPM							" 16#		
کRemarks:	afety M	leeting. Pla	ng well thro 35 sks 35 sks 35 sks 35 sks 25 sks 30 sks	e in Ro	1/2 Drill 3200' 175' 825' 825' 850' 60' to s athole	pipe a urface	s follo	WS :	
			195 SKS -	Total					

Cada	Of an Unite		1	T
Code	Qty or Units	Description of Product or Services	Unit Price	Total
C103	1	Pump Charge	1100.00	1100.00
C107	100	Mileage	4.20	420.00
C203	195 SKS	60/40 Pozmix Cement	13.40	2613.00
C 206	670#	Gel @ 4%	.21	140.70
CINSR	8 385 Tus	The Mileson - 100 miles	1.(1)	
CIUBB	0.305 Tons	Ton Milleage - Too Milles	1.90	///3.90
		Thank You		
			Sub Total	5,447.60
			Less 5%	282,71
	A	7,5%	Sales Tax	206.53
Authoriz	ation Yuy	/ <i>Mlei</i> Title	Total	5371.42

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.



RTD/LTD 3280 -1567 -1567 -1561 A. 150' FSL & 150' FEL 28-18S-9W: Primal Energy, Skiles #28-1 -1561 -1561 B. 4050' FSL & 2300' FEL 33-18S-9W Transwestern, Walker #1 -1561 -1561 C. -150' FSL & 2300' FEL 33-18S-9W Transwestern, Walker #1 -1561	Lansing 2865 -1152 -1152 Muncie Creek 3008 -1295 -1295 Stark 3087 -1374 -1374 BKC 3150 -1437 -1432 Arbuckle 3225 -1512 -1512	Heebner 2715 -1002 -999 Toronto 2736 -1023 -1023 Douglas 2752 -1039 -1034 Brown Lime 2840 -1127 -1126 Lansing 2045 -1152 -1152		TRANS-WESTERN OPERATING CO. GEOLOGICAL REPORT DRILLING TIME & SAMPLE LOG API #: 15-159-22862 REPORT PREPARED BY FRANK S. MIZE/GEOLOGIST COMPANY Trans-Western Operating Company LEASE VIAIKer #2 FIELD COW Creek SE LOCATION 330' ENL & 650' FEL LOCATION STATE SPUD 1-4-19 CONTRACTOR Southwind Drilling Rig #3 SPUD 1-4-19 COMP 1-9-19 SPUD COMP SAMPLES SAVED FROM Empone REPORT PREPARED BY FRANK S. MIZE/GEOLOGIST File FORMATION SAMPLE ELOG
-1659	-110+ -1306 -1387 -1443 -1443	-1013 -1037 -1046 -1139 -1164		TOS TOS TOS TOS TOS TOS TOS TOS
				Limestone: off white to gray, fine to medium crystalline, fair intercrystalline parasity, no show much array shale SANDSTONE Limestone: off white to gray, fine to medium crystalline, fair intercrystalline parasity, no show much array shale HALITE
			2450	Limestone: off white to gray, fine to medium crystalline, fair intercrystalline porosity, no show, much gray shale, fossiliferous with fusulinids Limestone: off white to gray, medium to coarsely crystalline, poor intercrystalline porosity, no show, much gray shale
	TIME			Limestone: gray, medium to coarsely crystalline, poor intercrystalline porosity, no show, much gray shale Limestone: off white to gray, medium to coarsely crystalline, poor intercrystalline porosity, no show, much gray shale Limestone: off white to light brown, oolitic, oolicastic, little visible porosity
			2500	Limestone: off white to gray, medium crystalline to fine grained, little visible porosity, much gray shale Limestone: off white to gray, medium crystalline to fine grained, little visible porosity, much red to gray shale
Rigissue				No Sample Limestone: off white to beige, medium crystalline, little visible porosity, much gray to red shale Limestone: off white to beige, medium to coarsely crystalline, little visible porosity, much error to black shale
			2550	Limestone: off white, fine grained to medium crystalline, little visible porosity, much gray trace red shale <u>Limestone: off white to gray to light brown, medium to</u> coarsely crystalline,little visible porosity, much gray to red shale, slightly fossiliferous w/fusulinids
				Limestone: biege to gray, medium to coarsely crystalline, little visible porosity, trace pyrite Limestone: light gray to beige, medium crystalline, very poor intercrystalline porosity, trace bivalve shell hash, some red to gray shale Limestone: beige to gray, coarsely crystalline, no
			2600	Limestone: beige to gray, coarsely crystalline to fine grained, little visible porosity, fossiliferous w/fusulinids, trace gray to black shale Limestone: beige, medium to coarsely crystalline, little visible porosity
				Limestone: beige, medium to coarsely crystalline, little visible porosity, fair amount black shale Limestone: beige, medium to coarsely crystalline, little visible porosity Limestone: beige, medium to coarsely crystalline little
			2650	Limestone: beige, medium to coarsely crystalline, little visible porosity, fair amount black shale Limestone: beige, medium to coarsely crystalline, little visible porosity, one rock w/fair intercrystalline porosity with good show free heavy black oil, faint odor, no
				Limestone: off white to light gray, fine grained to medium crystalline, little visible porosity, no show Limestone: off white to light gray, fine grained to medium and coarsely crystalline, little visible porosity, no show Limestone: gray to beige, mediume to coarsely
			2700	Limestone: off white to gray, medium crystalline, little visible porosity, no show, trace pyrite Shale: black, carbonaceous
				Limestone: off white to beige, medium to coarsely crystalline, fair amount gray shale, fair amount pyrite Limestone: off white to beige, fine grained, fair amount gray shale, trace pyrite Limestone: off white to gray, fine grained to fine
			2750	crystalline, little visible porosity, fair amount gray shale, trace pyrite Douglas 2752 -1039 Shale: gray, slightly arrenaceous
				Shale: gray, slightly arrenaceous Shale: gray, slightly arrenaceous
			2800	Shale: gray, slightly arrenaceous
				Shale: gray to greenish gray Shale: gray to greenish gray Brown Lime 2840 -1127
			2850	Limestone: light brown to beige, medium crystalline, very poor intercrystalline porosity, no show Shale: dark gray to greenish gray Shale: gray to greenish gray Lansing 2865 -1152
				Limestone: off white, medium crystalline, slightly oolitic, oolicastic, no visible porosity, no show Limestone: beige to gray to light brown, coarsely crystalline, no porosity, no show
			2900	Limestone: gray to light brown, coarsely crystalline, dense, no visible porosity, no show Limestone: beige to gray to light brown, coarsely crystalline, no visible porosity, no show, trace black shale Limestone: beige to gray, coarsely crystalline, some oplitic, oplicastic, little visible porosity, slight show gas
				bubbles, trace faint yellow fluorescence, faint odor Limestone: beige, fine to medium crystalline, oolitic, oolicastic, trace very poor oomoldic porosity, no show Shale: gray
	CES		2950	Limestone: off white to beige, coarsely crystalline, little visible porosity, no show, trace brachiopod shell hash Limestone: off white to gray, densely oolitic, trace oomoldic porosity, most oolicastic, 2 rocks with heavy oil show, faint to fair odor, trace gas bubbles Limestone: off white to light brown, mostly oolicastic, trace compildie poor interpolitic pressity trace heavy
				Limestone: light brown to gray, coarsely crystalline, some oomoldic w/fair to good oomoldic porosity, no show Limestone: light brown to gray, coarsely crystalline, some oomoldic w/fair to good oomoldic porosity, no show
DRILLING MINUTES			3000	Limestone: gray to light brown, trace blue green, coarsely to fine crystalline, trace poor intercrystalline porosity, no show Limestone: gray to beige, coarsely crystalline, little visible porosity, no show Shale: black Limestone: off white to gray, coarsely crystalline, little
				visible porosity, no show SHALE Limestone: off white to gray, coarsely crystalline, little SANDSTONE Limestone: off white to beige, coarsely crystalline, little LIMESTONE Limestone: off white to beige, coarsely crystalline, little DOLOMITE
			3050	Limestone: off white to gray, medium to coarsely crystalline, little visible porosity, fair amount light blue green shale Limestone: beige to gray, coarsely crystalline, no porosity, no show Limestone: off white, coarsely crystalline, dense,
				no visible porosity Limestone: off white to gray, coarsely crystalline, dense, no visible porosity Limestone: off white, coarsely crystalline, dense, no visible porosity, trace pyrite Stark 3087 -1374
			3100	Limestone: off white to beige, slightly oolicastic, some coarsely crystalline, dense, no visible porosity Limestone: beige to light gray, coarsely crystalline, dense, no visible porosity Limestone: beige to light gray, coarsely crystalline,
				aense, no visible porosity, fair amount gray shale Limestone: beige to light gray, coarsely crystalline, dense, no visible porosity Limestone: beige to light gray, coarsely crystalline, dense, no visible porosity
			3150 -	Limestone: beige to light gray, coarsely crystalline, BKC 3150 -1437 Limestone: off white to gray, coarsely crystalline, BKC 3150 -1437 Limestone: off white to gray, coarsely crystalline, no porosity, trace light blue green shale Limestone: off white to gray, coarsely crystalline, no porosity, trace light blue green shale
				Shale: light blue green, fair amount pyrite Limestone: gray to beige to light brown, coarsely crystalline, no porosity, trace black, red and blue green shale,fair amount pyrite
			3200	Limestone: off white to gray, medium to coarsely crystalline, poor to fair intercrystalline porosity, fair amount red shale Limestone: off white to gray, medium to coarsely crystalline, poor to fair intercrystalline porosity
				Limestone: off white to blue gray, medium to coarsely crystalline, poor intercrystalline porosity, fair amout red to gray shale & chert rubble and few rounded quartz grains Dolomite: light beige, fine to medium crystalline, poor to fair intercrystalline porosity, very poor show free oil, faint odor, pale yellow fluorescence in 5% of 20" sample good cut, fair amount oolitic chert. Dolomite: beige to oncy medium to success the second to the second
Geolograph disfun	ctional!		3250	poor to fair intercrystalline porosity, no show, white fluorescence in 40% of 3250' sample, no odor Dolomite: beige to gray, medium to coarsely crystalline, fair to good intercrystalline porosity. no show. white fluorescence in 30% of 3260' sample, no odor <i>Genus similar to Dialasma sp.</i> Dolomite: beige to gray, medium to coarsely crystalline, fair amount micritic, poor intercrystalline porosity, no show, much red to green shale
Drill time from mar	ked kelly			Dolomite: Deige to gray, medium to coarsely crystalline, fair to good intercrystalline porosity, no show, trace red to green shale Dolomite: beige to gray, medium to coarsely crystalline, fair to good intercrystalline porosity, no show, trace red to green shale and white chert
Trans-Wester Walters #2	rn Operat	ting Co.	3300	1713 KB
33-18S-9W Rice Co., KS Comments: Company: Trans-Western Operating SEC: 33 TWN: 185 RNG: 9W				
Operation: Uploading recovery & pressures Uploading recovery & pressures On-Site Contact: Frank Mize				
DATE January DST #1 Formation: Arbuckle Test Interval: 3144 - 3238' Total Depth: 3238' January Ime On: 08:43 01/08 Time Off: 15:49 01/08 Time Off: 15:49 01/08 2019 Time On Bottom: 11:22 01/08 Time Off Bottom: 13:22 01/08 Mud Properties Down Hole Makeup Gas To Surface: NO				
Electronic Volume Estimate:1st Open1st Close2nd Open2nd Close679'Minutes: 30Minutes: 30Minutes: 30Minutes: 30Minutes: 30679'Current Reading:Current Reading:Current Reading:Current Reading:Current Reading:56" at 30 min0" at 30 min31.5" at 30 min0" at 30 minMax Reading: 56"Max Reading: 0"Max Reading: 31.5"Max Reading: 0"				
Download Outside Recorder File 2000 1500 1500 80				



01/04/19 Drilling @ 270' @ 7:00 AM. Spudded @ 12:00 AM 1/4/2019.

01/05/19 Drilling @ 1022' @ 7:00 AM. Spudded at @ 12:00 AM 01/04/19. Drilled 12.25" hole to 303' KB. Ran 293.97' 8.625" 23# casing. Set @ 303' KB. Elite Cementing and Acid cemented with 200 sx 60/40 Poz + 3% CaCl, 2% gel, .25# Floseal. Good circulation to surface. Plug down @ 10:30 AM 1/4/19. Elite Ticket #4323. Under surface @ 6:30 PM 01/04/19.

01/06/19 Drilling @ 1909' @ 7:00 AM Mud wt. 9.9# vis 29

01/07/19 Drilling @ 2762' @ 7:00 AM. Mud wt. 8.6# vis 54

01/08/19 PTD 3238' @ 7:00 AM. Circulating to condition hole. Arbuckle DST#1 3144'-3238'. Deviation 3/4° @ 3238'. Mud wt 9.3# Vis 50 WL 7.2

01/09/18 RTD 3280' @ 7:00 AM. Well is D&A. Mud wt 9.3 Vis 50, WL 7.2. DST #1 Arbuckle 3144'-3238', 30-30-30-30. Blow BOB in 4 minutes. Blow BOB in 10 minutes final open. Recovered total of 642' GOWCM. Recovery breakdown: 64' 3% O, 97% M; 450' 5% G, 28% O, 8% W, 59% M; 128' 2% O, 88% W, 10% M. IHP 1530 PSIG, IFP 38-194 PSIG, ISI 836 PSIG, FFP 194-276 PSIG, FSIP 804 PSIG, FHP 1513 PSIG. BHT 108°. Water Chlorides 16,000. Rw @ 54° = .6, Rw @ BHT 108° = .318. Drilled to RTD 3280' with no additional shows worthy of testing. Hole filled with drilling mud from 3280' to 3200'. Spotted 35 sx plug. Drilling mud to 1175'. Spotted 35 sx plug. Drilling mud to 825'. Spotted 35 sx plug. Drilling mud to 350'. Spotted 35 sx plug. Drilling mud to 60'. Spotted 25 sx plug to surface. Plugged rathole with 30 sx. No mousehole. 195 sx total cement. All 60/40 Pozmix + 4% gel. Plugging completed at 7:00 AM 1/9/19. Cementing done by Elite Cementing and Acid Service, LLC. Cement ticket #4336.