KOLAR Document ID: 1426860

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

Address 2:	OPERATOR: License #	API No.:
Address 2:	Name:	Spot Description:
City: State: Zip: + Feet from	Address 1:	SecTwpS. R □East □ West
Contact Person: Phone: ()	Address 2:	Feet from North / South Line of Section
Designate Type of Completion: Designate Type of Completion: Dotal Vertical Depth: Field Name: Producing Formation: Elevation: Ground: Field Sushing: Gas	City: State: Zip:+	Feet from
CONTRACTOR: License #	Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Name:	Phone: ()	□NE □NW □SE □SW
Name:	CONTRACTOR: License #	GPS Location: Lat:, Long:
Wellsite Geologist: County: Purchaser: Designate Type of Completion: New Well Re-Entry Workover Gas DH EOR Gas DH EOR Gas Cathodic Other (Core, Expl., etc.): Multiple Stage Cementing Collar Used? Yes No If Workover/Re-entry: Old Well Info as follows: Gorginal Comp. Date: Original Total Depth: Original Total Depth: Sx or original Comp. Date: Original Total Depth: Sx or original Comp. Date: Original Total Depth: Sx or original Comp. Date: Original Total Depth: Original Total Depth: Sx or original Comp. Date: Original Total Depth: Original Total D	Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Purchaser: Designate Type of Completion: New Well Re-Entry Workover Oil WSW SWD Gas DH EOR OG GSW CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows: Original Comp. Date: Original Comp. Date: Designate Type of Completion: Lease Name: Well #: Field Name: Ground: Field Name: Melly Bushing: Field Name: Producing Formation: Field Name: Melly Bushing: Melly Bushin	Wellsite Geologist:	
Designate Type of Completion: New Well Re-Entry Workover Oil WSW SWD Gas DH EOR OG GSW Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows: Original Comp. Date: Original Comp. Date: Oil WSW SWD Elevation: Ground: Field Name: Producing Formation: Elevation: Ground: Field Name: Producing Formation: Elevation: Ground: Field Name: Producing Formation: Field Name: Fi	Purchaser:	
New Well Re-Entry Workover Oil WSW SWD Gas DH EOR OG GSW Cathodic Other (Core, Expl., etc.): Multiple Stage Cementing Collar Used? Well Name: Original Comp. Date: Oil WSW SWD Elevation: Ground: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Multiple Stage Cementing Collar Used? If Alternate II completion, cement circulated from: feet depth to: Well Name: Original Comp. Date: Original Total Depth: Oil WSW SWD Elevation: Froducing Formation: Elevation: Ground: Kelly Bushing: Fotal Vertical Depth: If Alternate Plug Back Total Depth: Find I Vertical Depth: If Alternate II completion, cement circulated from: Feet depth to: Well Name: Original Total Depth: Original Total Depth: Original Comp. Date: Original Comp. Date: Oil WSW Froducing Formation: Elevation: Flevation: Ground: Kelly Bushing: Fotal Vertical Depth: If Alternate II completion, cement circulated from: Feet depth to: Well Name: Original Total Depth: Original Total Depth:	Designate Type of Completion:	Lease Name: Well #:
Oil	New Well Re-Entry Workover	Field Name:
Gas DH EOR Total Vertical Depth: Plug Back Total Depth: Amount of Surface Pipe Set and Cemented at: F Multiple Stage Cementing Collar Used? Yes No If Workover/Re-entry: Old Well Info as follows: If Alternate II completion, cement circulated from: F Well Name: Original Total Depth: Sx of the control of the		Producing Formation:
OG GSW CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows: Operator: Well Name: Original Comp. Date: Original Total Depth: Total Vertical Depth: Plug Back Total Depth: Amount of Surface Pipe Set and Cemented at: F Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: F If Alternate II completion, cement circulated from: feet depth to: W/ SX O		Elevation: Ground: Kelly Bushing:
Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows: Operator: Well Name: Original Comp. Date: Original Total Depth:		Total Vertical Depth: Plug Back Total Depth:
If Workover/Re-entry: Old Well Info as follows: Operator:	CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Operator:	Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
Well Name: feet depth to: w/ sx conginal Comp. Date: Original Total Depth:	If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set:Feet
Original Comp. Date: Original Total Depth:	Operator:	If Alternate II completion, cement circulated from:
	Well Name:	feet depth to:w/sx cmt.
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD ☐ Drilling Fluid Management Plan	Original Comp. Date: Original Total Depth:	
Plug Back Liner Conv. to GSW Conv. to Producer (Data must be collected from the Reserve Pit)		Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #: Chloride content: ppm Fluid volume: b	Commingled Parmit #	Chloride content: ppm Fluid volume: bbls
_ Commingled Permit #: Dewatering method used:		Dewatering method used:
SWD Permit #: Location of fluid disposal if hauled offsite:		Location of fluid disposal if hauled offsite:
EOR Permit #:		
GSW Permit #: Operator Name:	GSW Permit #:	'
Lease Name: License #:		
Spud Date or Date Reached TD Completion Date or Quarter Sec. Twp. S. R. East W	Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R
	'	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:									

KOLAR Document ID: 1426860

Page Two

Operator Name: _				Lease Name:	Well #:						
Sec Twp.	S. R.	Ea	ast West	County:							
	flowing and shu	ıt-in pressures, w	hether 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	. Digital electronic log			
Drill Stem Tests Ta			Yes No		_	og Formation (Top), Depth and Datum					
Samples Sent to G	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								
		R			New Used	on, 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 Percent Additives			
			ADDITIONAL	CEMENTING / S	QUEEZE RECORD	I					
Purpose:		epth Ty	pe of Cement	# Sacks Used	ed Type and Percent Additives						
Protect Casi											
Plug Off Zon											
 Did you perform a Does the volume o Was the hydraulic 	of the total base f	luid of the hydraulic	fracturing treatment	_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three (,			
Date of first Producti Injection:	ion/Injection or Re	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:			N INTERVAL: Bottom			
	_	on Lease	Open Hole			mmingled mit ACO-4)	Тор	Bottom			
,	, Submit ACO-18.)				· · · · · · · · · · · · · · · · · · ·						
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 /	At:	Packer At:							
. 5213 (1200) 10.	JIEG.			. 30.0.71							

Form	ACO1 - Well Completion					
Operator	Southern Star Central Gas Pipeline, Inc.					
Well Name	C60715 01					
Doc ID	1426860					

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	16.500	10.500	70	20	BENTONI TE	27	WATER



4520 State Hwy 136, Amarillo, TX 79108-7617 • tel. 806-383-5047 • fax 806-383-1716

Deep Well GroundBed Data:			Date: 11/01/18									
	SST12-2018-KS						MCLEANS CP INSTALLATION, INC.					
	SOUTHERN STAR CENTRAL GAS PL						: C60715 - RECT 967					
Subject:	DEEP WELL					KS						
Well Depth:				County: TREGO								
Diameter:				Other-Driller: TR								
	20 FT OF 10 IN			Drilling Method: MUD								
Type of Backfill:	III: SC2				Base Use	eable Water:	N/A					
	1 SET OF ANOTECH											
	38.99726486, -99.871	7804			<u>TE</u>	ST VOLTS:	N/A					
Remarks:												
				E I	atrical I					Annala I		
	<u>Drilling Log</u>				ectrical L			Anode Log AFTER BACKFILL				
Donth	Farmetian Time:	Material:			Anode	Anode #				Anode		
Depth:	Formation Type:	wateriai:		Volt	Depth	Anode #			Volt	Depth	Anode #	
0'	SANDY CLAY	CASING/HOLEPLUG			рерш					рерии		
	SANDY CLAY	CASING/HOLEPLUG										
10'	SANDY CLAY	CASING/HOLEPLUG CASING/HOLEPLUG	-							1		
10 15'	SANDY CLAY	CASING/HOLEPLUG CASING/HOLEPLUG	-							1		
20	SANDY CLAY	CASING/HOLEPLUG								1		
25	SANDY CLAY	HOLEPLUG HOLEPLUG	-							1		
30	SANDY CLAY	HOLEPLUG								1		
35	SANDY CLAY	HOLEPLUG	-							1		
40	SANDY CLAY	HOLEPLUG								1		
45	SANDY CLAY	HOLEPLUG								1		
50	CLAY	HOLEPLUG	_									
55	CLAY	HOLEPLUG	_									
60	CLAY	HOLEPLUG	_									
65	CLAY	HOLEPLUG										
70	CLAY	HOLEPLUG	_									
75	CLAY	COKE	_									
80	CLAY	COKE										
85	CLAY	COKE										
90	CLAY	COKE										
95	CLAY	COKE										
100	CLAY	COKE										
105	CLAY	COKE				20						
110	CLAY	COKE										
115	CLAY	COKE				19						
120	CLAY	COKE										
125	CLAY	COKE				18						
130	CLAY	COKE										
135	CLAY	COKE				17						
140	SHALE	COKE										
145	SHALE	COKE				16				İ		
150	SHALE	COKE								İ		
155	SHALE	COKE				15						
160	SHALE	COKE										
165	SHALE	COKE				14						
170	SHALE	COKE										
175	SHALE	COKE				13						
180	SHALE	COKE										
185	SHALE	COKE				12						
190	SHALE	COKE										
195	SHALE	COKE				11						
200	SHALE	COKE										
205	SHALE	COKE				10						
210	SHALE	COKE										
215	SHALE	COKE				9						
220	SHALE	COKE								ļ		
225	SHALE	COKE				8				ļ		
230	SHALE	COKE								ļ		
235	SHALE	COKE				7				ļ		
240	SHALE	COKE								ļ		
245	SHALE	COKE				6				ļ		
250	SHALE	COKE					Ī	l		1	l	



4520 State Hwy 136.	Amarillo, TX	79108-7617 •	tel. 806-383-	5047 •	fax 806-383-1716
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Deep Well GroundBed Data						Date:	11/01/18					
Job Number: SST12-2018-KS				Drilling Contractor: MCLEANS CP INSTALLATION, INC.								
Company Nam	ne: SOUTHERN STAR CE	NTRAL GAS PL		Facility/Line: C60715 - RECT 967								
Subje	ct: DEEP WELL	DEEP WELL			State: KS							
Well Dep	th: 300 FT	300 FT			County: TREGO							
Diamete	er: 10 IN					Other-Driller:	TR					
Casir	ng: 20 FT OF 10 IN				Dri	lling Method:	MUD					
Type of Backf	ill: SC2				Base Use	eable Water:	N/A					
Anode Type: 1 SET OF ANOTECH 2684							0					
GPS: 38.99726486, -99.8717804					TE	ST VOLTS:	N/A					
Remarks: 0							•					
	•											
	Drilling Log			Electrical Log Anode				Anode L	<u>og</u>			
				BEFORE BACKFILL			AFTER BACKFILL					
Depth:	Formation Type:	Material:		Volt	Anode	Anode #		Volt	Anode	Anode #		
					Depth				Depth			
255	SHALE	COKE				5						
260	SHALE	COKE										
265	SHALE	COKE				4						
270	SHALE	COKE										
275	SHALE	COKE				3						
280	SHALE	COKE										
285	SHALE	COKE				2						
290	SHALE	COKE										
295	SHALE	COKE				1						
300	SHALE	COKE							1	ĺ		

