

Confidentiality Requested:

☐ Yes ☒ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1370762

Form ACO-1

November 2016

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33097

Name: Southern Star Central Gas Pipeline, Inc.

Address 1: 4700 HWY 56

Address 2:

City: OWENSBORO State: KY Zip: 42301 + 9303

Contact Person: SETH TURNER

Phone: (270) 852-5000

CONTRACTOR: License # 32775

Name: McLean's CP Installation, Inc.

Wellsite Geologist: SETH TURNER

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:

Operator:

Well Name:

Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ EOR Permit #:
☐ GSW Permit #:

10/06/2017 10/06/2017 10/09/2017
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No.: 15-153-21199-00-00

Spot Description:

NW-NE-NW-NW Sec. 24 Twp. 5 S. R. 35 ☐ East ☒ West
210 Feet from ☒ North / ☐ South Line of Section
675 Feet from ☐ East / ☒ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☒ NW ☐ SE ☐ SW

GPS Location: Lat: , Long:
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: Rawlins

Lease Name: C59649B Well #: 1

Field Name:

Producing Formation: N/A

Elevation: Ground: 3281 Kelly Bushing: 3281

Total Vertical Depth: 00 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 20 Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set: Feet

If Alternate II completion, cement circulated from:

feet depth to: w/ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: ppm Fluid volume: bbls

Dewatering method used:

Location of fluid disposal if hauled offsite:

Operator Name:

Lease Name: License #:

Quarter Sec. Twp. S. R. ☐ East ☐ West

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: Karen Ritter Date: 10/18/2017

1370762

Operator Name: Southern Star Central Gas Pipeline, Inc. Lease Name: C59649B Well #: 1
 Sec. 24 Twp. 5 S. R. 35 ☐ East ☒ West County: Rawlins

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 ☐ Yes ☒ No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey ☐ Yes ☒ No Cores Taken ☐ Yes ☒ No Electric Log Run ☐ Yes ☒ No Geologist Report / Mud Logs ☐ Yes ☒ No List All E. Logs Run:	☒ Log Formation (Top), Depth and Datum ☐ Sample <table style="width: 100%;"> <tr> <td style="width: 60%;">Name</td> <td style="width: 20%;">Top</td> <td style="width: 20%;">Datum</td> </tr> <tr> <td>CLAY</td> <td>0</td> <td>80</td> </tr> <tr> <td>SANDY CLAY</td> <td>80</td> <td>110</td> </tr> <tr> <td>SAND</td> <td>110</td> <td>200</td> </tr> </table>	Name	Top	Datum	CLAY	0	80	SANDY CLAY	80	110	SAND	110	200
Name	Top	Datum											
CLAY	0	80											
SANDY CLAY	80	110											
SAND	110	200											

CASING RECORD ☒ New ☐ Used							
Report all strings set-conductor, surface, intermediate, production, 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
Surface	16.500	10.500	70	20	BENTONITE HOLE PLUG	27	WATER

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate	-			
☐ Protect Casing				
☐ Plug Back TD				
☐ Plug Off Zone	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☒ No *(If No, skip questions 2 and 3)*
 2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
 3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:		Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom

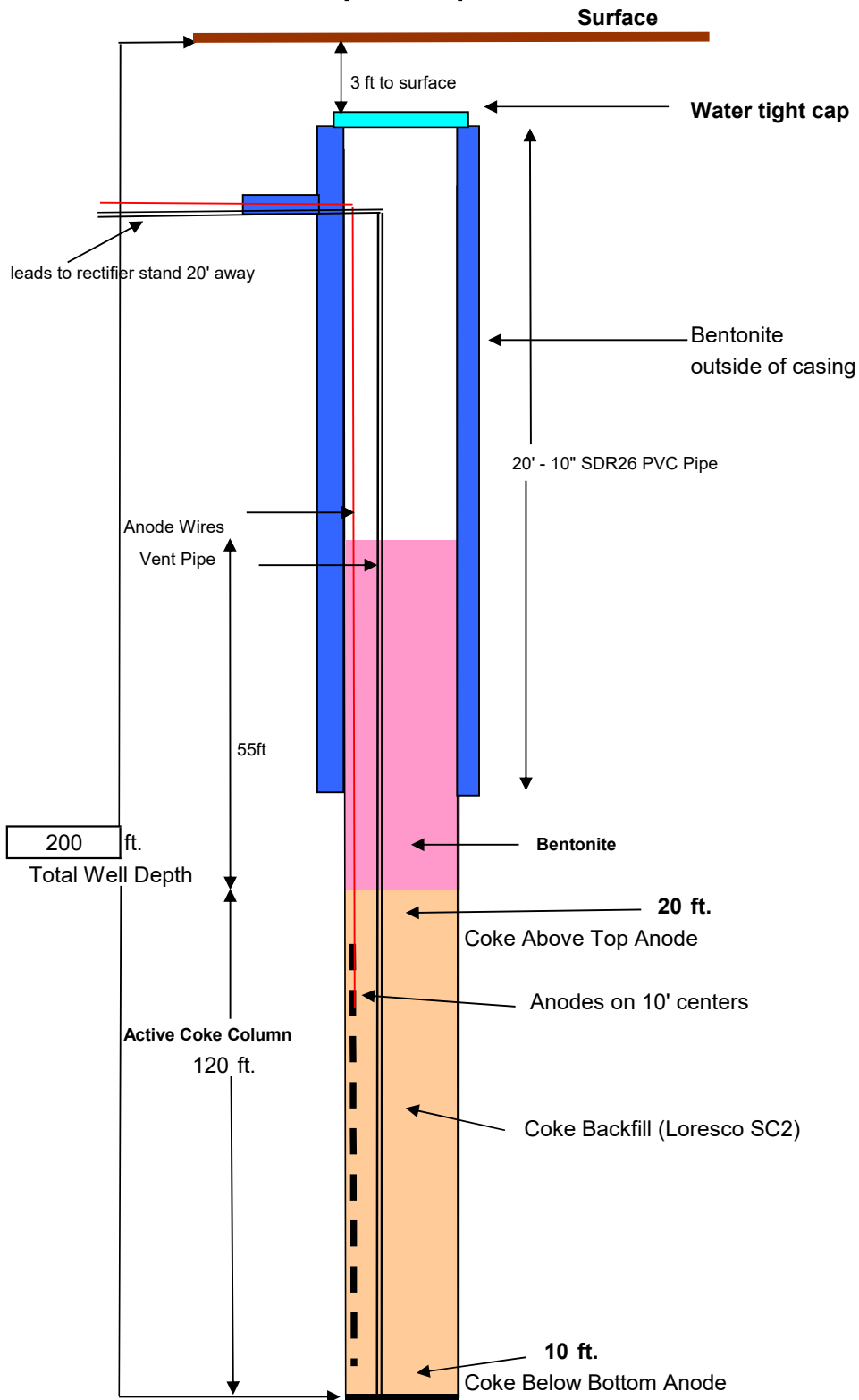
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>
TUBING RECORD: Size: Set At: Packer At:					

Form	ACO1 - Well Completion
Operator	Southern Star Central Gas Pipeline, Inc.
Well Name	C59649B 1
Doc ID	1370762

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	16.500	10.500	70	20	BENTONITE HOLE PLUG	27	WATER

WELL #: C59346 B
RAWLINS COUNTY
16.5 in.
10.500 in.





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

Deep Well GroundBed Data:			Date: 10/06/17		
Job Number:	SST28-2017-KS		Drilling Contractor:	MCLEANS CP INSTALLATION, INC.	
Company Name:	SOUTHERN STAR		Facility/Line:	LEVANT STATION	
Subject:	DEEP WELL		State:	KS	
Well Depth:	200FT		County:	RAWLINS	
Diameter:	10 IN		Other-Driller:	TR	
Casing:	20 FT OF 10 IN		Drilling Method:	MUD	
Type of Backfill:	SC2		Base Useable Water:	N/A	
Anode Type:	1 SET OF 10 ANOTECH 2684				
GPS:	39.611213, -101.204763		TEST VOLTS: 12.01		
Remarks:	2 WELLS				
Drilling Log			Electrical Log		
			BEFORE BACKFILL		
Depth:	Formation Type:	Material:	Volt	Anode Depth	Anode #
0'	CLAY	CASING/HOLEPLUG			
5'	CLAY	CASING/HOLEPLUG			
10'	CLAY	CASING/HOLEPLUG			
15'	CLAY	CASING/HOLEPLUG			
20	CLAY	CASING/HOLEPLUG			
25	CLAY	HOLEPLUG			
30	CLAY	HOLEPLUG			
35	CLAY	HOLEPLUG			
40	CLAY	HOLEPLUG			
45	CLAY	HOLEPLUG			
50	CLAY	HOLEPLUG			
55	CLAY	HOLEPLUG			
60	CLAY	HOLEPLUG			
65	CLAY	HOLEPLUG			
70	CLAY	HOLEPLUG			
75	CLAY	HOLEPLUG			
80	SANDY CLAY	COKE			
85	SANDY CLAY	COKE			
90	SANDY CLAY	COKE			
95	SANDY CLAY	COKE			
100	SANDY CLAY	COKE			
105	SANDY CLAY	COKE	0.8		10
110	SAND	COKE			
115	SAND	COKE	0.3		9
120	SAND	COKE			
125	SAND	COKE	0.3		8
130	SAND	COKE			
135	SAND	COKE	0.2		7
140	SAND	COKE			
145	SAND	COKE	0.2		6
150	SAND	COKE			
155	SAND	COKE	0.2		5
160	SAND	COKE			
165	SAND	COKE	0.3		4
170	SAND	COKE			
175	SAND	COKE	0.6		3
180	SAND	COKE			
185	SAND	COKE	0.3		2
190	SAND	COKE			
195	SAND	COKE	0.4		1
200	SAND	COKE			