Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1370763

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 #:

10/02/2017 Spud Date or Recompletion Date
10/03/2017 Date Reached TD
10/05/2017 Completion Date or Recompletion Date

API No.: 15-057-20982-00-00
Spot Description:
SW- NW- SW- NW Sec. 24 Twp. 28 S. R. 26 ☐ East ☑ West
1882 Feet from ☑ North / ☐ South Line of Section
95 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ford
Lease Name: C59232 Well #: 01
Field Name:
Producing Formation: N/A
Elevation: Ground: 2651 Kelly Bushing: 2651
Total Vertical Depth: 300 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

[redacted]

1370763

Operator Name: Southern Star Central Gas Pipeline, Inc. Lease Name: C59232 Well #: 01

Sec. 24 Twp. 28 S. R. 26 ☐ East ☑ West County: Ford

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 Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☐ Yes	☑ No
Geolgist Report / Mud Logs	☐ Yes	☑ No
List All E. Logs Run:		

☑ Log Formation (Top), Depth and Datum ☑ Sample

Name	Top	Datum
CLAY	0	80
SANDY CLAY	80	110
SANDY GRAVEL	110	170
SANDY CLAY	170	190
SHALE	190	300

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

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Southern Star Central Gas Pipeline, Inc.
Well Name	C59232 01
Doc ID	1370763

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

McLean's CP Installation, Inc.
4520 State Hwy 136, Amarillo, TX 79108-7617 • tel. 806-383-5047 • fax 806-383-1716

Deep Well GroundBed Data:			Date:	10/03/17
Job Number:	SST20-2017-KS		Drilling Contractor:	MCLEANS CP INSTALLATION, INC.
Company Name:	SOUTHERN STAR		Facility/Line:	2-C59232-RECT 713
Subject:	DEEP WELL		State:	KS
Well Depth:	300FT		County:	FORD
Diameter:	10IN		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 20 ANOTECH 2684			
GPS:	37.60088348, -100.12501526		TEST VOLTS:	17.84
Remarks:				

Drilling Log			Electrical Log			Anode Log		
			BEFORE BACKFILL			AFTER BACKFILL		
Depth:	Formation Type:	Material:	Volt	Anode Depth	Anode #	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	COKE						
75	CLAY	COKE						
80	SANDY CLAY	COKE						
85	SANDY CLAY	COKE						
90	SANDY CLAY	COKE						
95	SANDY CLAY	COKE						
100	SANDY CLAY	COKE						
105	SANDY CLAY	COKE	2.36		20			
110	SANDY GRAVEL	COKE						
115	SANDY GRAVEL	COKE	3.45		19			
120	SANDY GRAVEL	COKE						
125	SANDY GRAVEL	COKE	1.11		18			
130	SANDY GRAVEL	COKE						
135	SANDY GRAVEL	COKE	0.48		17			
140	SANDY GRAVEL	COKE						
145	SANDY GRAVEL	COKE	0.37		16			
150	SANDY GRAVEL	COKE						
155	SANDY GRAVEL	COKE	0.63		15			
160	SANDY GRAVEL	COKE						
165	SANDY GRAVEL	COKE	1.17		14			
170	SANDY CLAY	COKE						
175	SANDY CLAY	COKE	1.69		13			
180	SANDY CLAY	COKE						
185	SANDY CLAY	COKE	1.53		12			
190	SHALE	COKE						
195	SHALE	COKE	1.40		11			
200	SHALE	COKE						
205	SHALE	COKE	1.49		10			
210	SHALE	COKE						
215	SHALE	COKE	2.40		9			
220	SHALE	COKE						
225	SHALE	COKE	3.79		8			
230	SHALE	COKE						
235	SHALE	COKE	4.56		7			
240	SHALE	COKE						
245	SHALE	COKE	3.67		6			
250	SHALE	COKE						

McLean's CP Installation, Inc.
4520 State Hwy 136, Amarillo, TX 79108-7617 • tel. 806-383-5047 • fax 806-383-1716

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Company Name:	SOUTHERN STAR		Facility/Line:	2-C59232-RECT 713
Subject:	DEEP WELL		State:	KS
Well Depth:	300FT		County:	FORD
Diameter:	10IN		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 20 ANOTECH 2684			
GPS:	37.60088348, -100.12501526		TEST VOLTS:	17.84
Remarks:	0			

Drilling Log			Electrical Log			Anode Log		
			BEFORE BACKFILL			AFTER BACKFILL		
Depth:	Formation Type:	Material:	Volt	Anode Depth	Anode #	Volt	Anode Depth	Anode #
255	SHALE	COKE	3.72		5			
260	SHALE	COKE						
265	SHALE	COKE	3.22		4			
270	SHALE	COKE						
275	SHALE	COKE	3.26		3			
280	SHALE	COKE						
285	SHALE	COKE	5.33		2			
290	SHALE	COKE						
295	SHALE	COKE	8.69		1			
300	SHALE	COKE						
305								
310								
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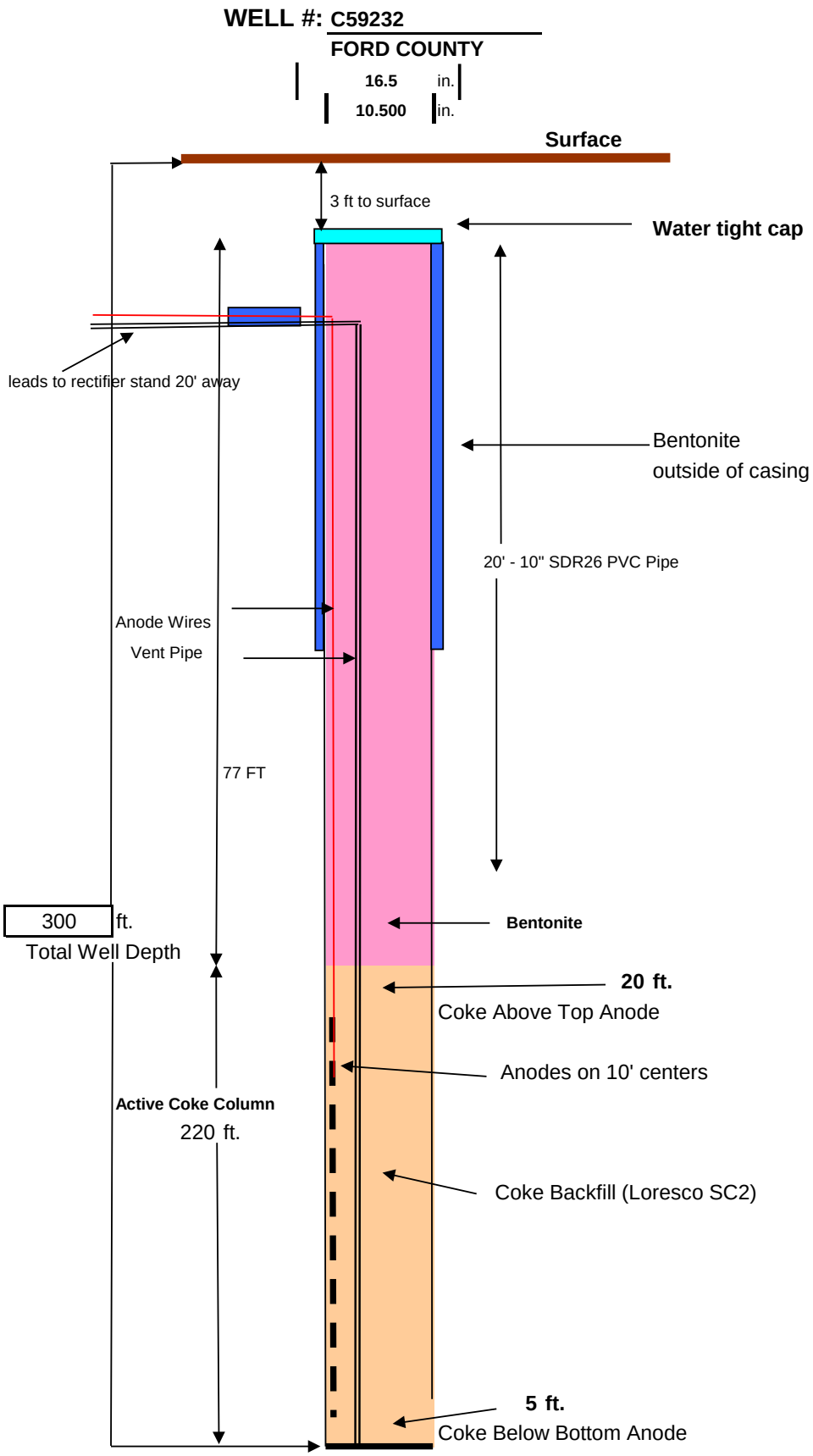
WELL #: C59232
FORD COUNTY
16.5 in.
10.500 in.
Surface
3 ft to surface
Water tight cap
leads to rectifier stand 20' away
Bentonite
outside of casing
20' - 10" SDR26 PVC Pipe
Anode Wires
Vent Pipe
77 FT
300 ft.
Total Well Depth
Bentonite
20 ft.
Coke Above Top Anode
Anodes on 10' centers
Active Coke Column
220 ft.
Coke Backfill (Loresco SC2)
5 ft.
Coke Below Bottom Anode