

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
June 2009

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
Address 1: 4700 Hwy 56
Address 2: _____
City: Owensboro State: KY Zip: 42301 + _____
Contact Person: John Fales
Phone: (816) 830-1188
CONTRACTOR: License # KS791
Name: Giles Environmental Services
Wellsite Geologist: N/A
Purchaser: N/A

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 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 ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
11-10-11 11-13-11 11-13-11
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 091-23710-00-00
Spot Description: CQ-002 Antioch Rectifier 972
SE SE SE NE Sec. 13 Twp. 13 S. R. 24 East West
2,587 Feet from North / South Line of Section
28 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Johnson
Lease Name: CQ-002 Antioch Rectifier 972 Well #: 1
Field Name: N/A
Producing Formation: N/A
Elevation: Ground: 1028' Kelly Bushing: N/A
Total Depth: 250' Plug Back Total Depth: N/A
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.

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Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

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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 #: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Rusty Lane
Title: Project Coordinator Date: 11/21/2011

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Dlg Date: 3/26/12

Operator Name: Southern Star Central Gas Pipeline Lease Name: CQ-002 Antioch Rectifer 972 Well #: 1
 Sec. 13 Twp. 13 S. R. 24 East West County: Johnson

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No

Electric Log Submitted Electronically Yes No
 (If no, Submit Copy)

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

List All E. Logs Run:

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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 Casing	16"	10"		20'	Neat Cement	15	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ 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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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10-11-0464

Saunders

Bo... ..



More saving.
More doing.™

9600 METCALF, OPKS 66212 913-648-7811
THANK YOU FOR SHOPPING AT HOME DEPOT

2203 00002 19162 11/10/11 11:49 AM
CASHIER ABRHAM - AXA329

768226000142 92LB ASHLAND <A>
1508.57 128.55

SALES TAX 11.12
TOTAL \$139.67
XXXXXXXXXX1009 AMEX 139.67
AUTH CODE 540298/1022444 TA



2203 02 19162 11/10/2011 5838

RETURN POLICY DEFINITIONS
POLICY ID DAYS POLICY EXPIRES ON
A 1 90 02/08/2012

THE HOME DEPOT RESERVES THE RIGHT TO
LIMIT / DENY RETURNS. PLEASE SEE THE
RETURN POLICY SIGN IN STORES FOR
DETAILS.

GUARANTEED LOW PRICES
LOOK FOR HUNDREDS OF
LOWER PRICES STOREWIDE

ENTER FOR A CHANCE
TO WIN A \$5,000
HOME DEPOT GIFT
CARD!

Share Your Opinion With Us! Complete
the brief survey about your store visit
and enter for a chance to win at:

www.homedepot.com/cpinion

¡PARTICIPE EN UNA
OPORTUNIDAD DE GANAR
UNA TARJETA DE
REGALO DE THD
DE \$5,000!

¡Comparta Su Opinión! Complete la breve
encuesta sobre su visita a la tienda y
tenga la oportunidad de ganar en:

www.homedepot.com/cpinion

User ID:
40816 38615

Password:
11560 38613

Entries must be entered by 12/10/2011.
Entrants must be 18 or older to enter.
See complete rules on website. No
purchase necessary.

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Operator Name: Southern Star Central Gas Pipeline Lease Name: CQ-002 Antioch Rectifer 972 Well #: 1
 Sec. 13 Twp. 13 S. R. 24 East West County: Johnson

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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 Casing	16"	10"		20'	Neat Cement	15	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

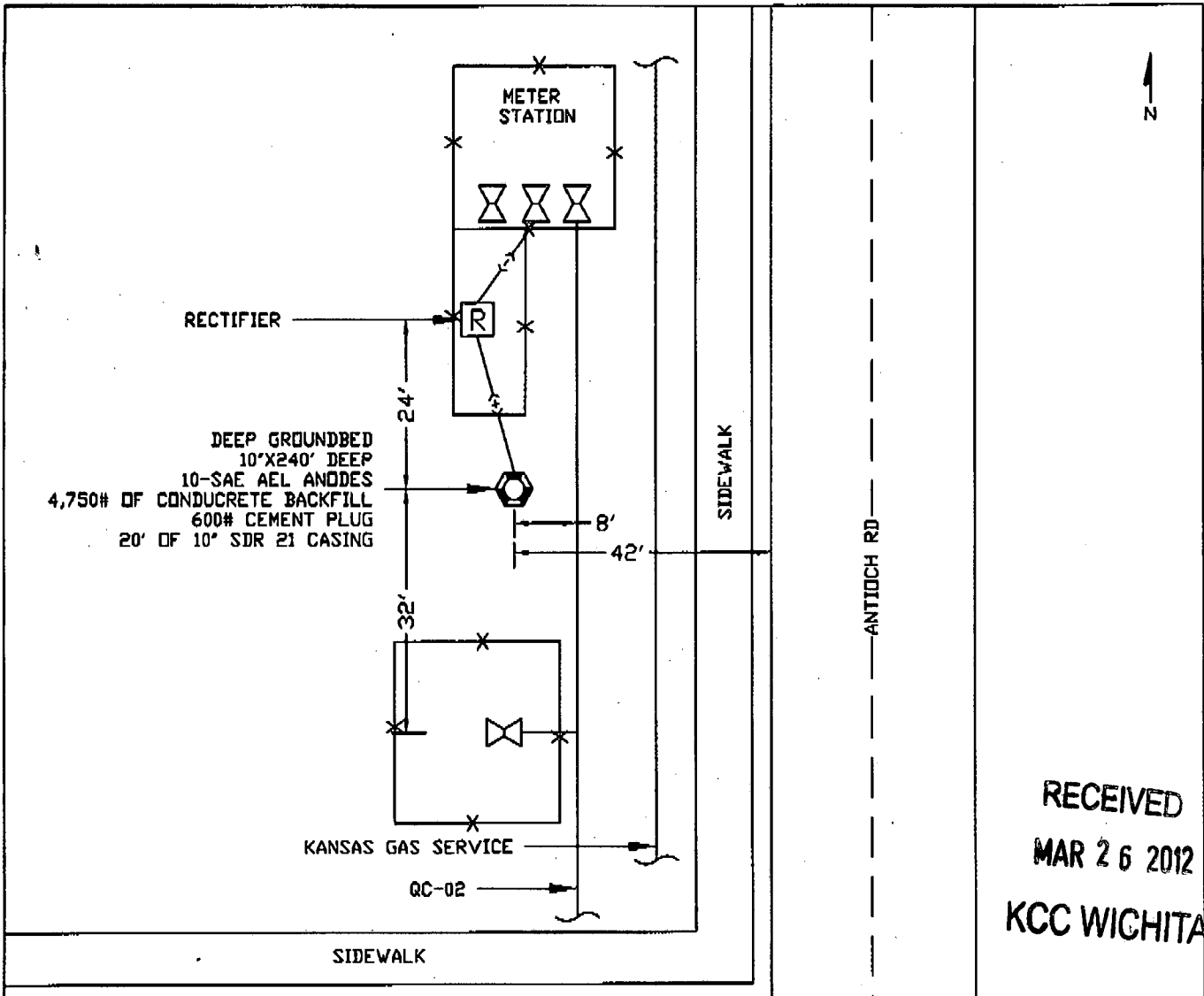
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Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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SIDEWALK

SIDEWALK

ANTIUCH RD

116TH ST

Can. Rusty@medproducts.com

GROUND BED GPS COORDINATES:
 N 38.920284
 W 94.687525

MESA

CATHODIC PROTECTION LAYOUT
 QC-002 STATION #75.9

JOHNSON

KS

DRAWN BY	LAS	SCALE	NONE	JOB NO.	10-11-0464
CHECKED BY	RJG	CLIENT	SOUTHERN STAR		
DATE ISSUED	11/17/11	DRAWING NO.	CEN-03437-0		
DATE INSTALLED	11/13/11		0		

REVISION NUMBER	DRAWN BY	DATE REVISED	CHECKED BY	PROJECT ENGINEER	APPROVED BY

QF 4.10.9 CATHODIC PROTECTION IN-SERVICE REPORT

REV 2



1. JOB INFORMATION:

Client	SOUTHERN STAR		Section	13	QTR	Job Number		10-11-0464	
Facility	QC-002 STATION # 75.9		Township	13	N S	Calibrated Instrument		FLUKE 87	
County	JOHNSON	State	KS	Range	24	E W	Serial No.	79430055	
Legal Description			Land Owner			Phone			

2. RECTIFIER INFORMATION

DUAL UNIT

Manufacturer	UNIVERSAL		Rectifier Id Number	972		New Installation		<input checked="" type="checkbox"/>		
Model No.	ASAI		Power Vendor	KCPL		KWH Reading		06493		
Serial No.	110742		Acct #	72077705		KWH Meter #				
DC Volts	50		AC Volts	115/230		Max Coarse	4		Shunt Amp	50
DC Amps	50		AC Amps	30.6/15.3		Max Fine	6		Shunt mV	50
GPS COORDINATES	Latitude	N		Longitude	W					

3. GROUND BED INFORMATION:

DRILL LOG ATTACHED

EXISTING GROUND BED

Anode Type	SAE AEL		Anode Lead			Total Qty			
Horizontal	Length	Width	Typical Depth	Typical Centers		Qty			
Vertical	Diameter		10"	Typical Depth	250'	Typical Centers	7'	Qty	10
Coke Backfill	CONCRETE		Qty	4950	Header Cable	Length			

4. PRE-ENERGIZED CHECK LIST:

#12 LEAD INSTALLED WITH NEGATIVE

Potentials (Volts - Fixed Reference Cell Method)				Negative Resistance (Ohms)			
Positive	-0.139	Negative	-1.290	Structure		DC Volts	1.151

5. ENERGIZED INFORMATION:

NO AC POWER

Coarse Tap Setting	1	of	4	AC Volts		DC Volts	11.20	DC Amps	19.00
Fine Tap Setting	5	of	6	AC Amps		DC mV		Structure PS	
Calculated Ground Bed Resistance				Calculated Rectifier Efficiency					

6. JUNCTION BOX INFORMATION

QF 4.10.17 FIELD DATA COLLECTION FORM ATTACHED

Anode Junction Box				Positive Junction Box			Structure Junction Box		
Cir.	Amp	Cir.	Amp	Cir.	Description	Amp	Cir.	Description	Amp
1		11		1			1		
2		12		2			2		
3		13		3			3		
4		14		4			4		
5		15		5			5		
6		16		6			6		
7		17		7			7		
8		18		8			8		
9		19		9			9		
10		20		10			10		
Total				Total			Total		

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REMARKS: DO NOT ENERGIZE FOR 30 DAYS

Technician/Foreman

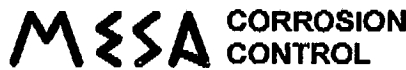
JOHNNIE BARNETT

Date

11/13/2011

QF 4.10.10 DEEP ANODE DRILLING LOG

REV 3



Job No. 10-11-0464

PO/WO No. _____ Date 11/12/2011

Client SOUTHERN STAR

Drilling Co.: GILES ENVIRONMENTAL SERVICES

Location QC-002 STATION #75.9

GPS: Lat: 38.920284 Long: 94.687525

Calibrated Instrument Used: FLUKE 87

S/N 79430055

Depth	Logging Volts: 13.6		Geological Log	Depth	Logging Volts:		Geological Log	No.	Depth	No Coke	With Coke
	Amps	Ohms			Amps	Ohms					
5			0-4 CLAY	205				1	235	1.00	
10				210	1.70	8.00		2	221	1.00	
15				215			165-215 SHALE WITH	3	209	1.60	
20				220	0.90	15.11	THIN LINES	4	195	1.90	
25			4-25 SHALE/LIMESTONE	225				5	182	2.00	
30			SANDSTONE	230	1.00	13.60	215-230 LIMESTONE/	6	169	1.40	
35				235	0.90	15.11	CHERT	7	156	1.60	
40				240				8	142	1.20	
45				245				9	120	1.30	
50			25-50 LIMESTONE/CHERT	250			230-250 SHALE	10	107	1.60	
55				255				11			
60				260				12			
65				265				13			
70				270				14			
75				275				15			
80				280				16			
85				285				17			
90				290				18			
95				295				19			
100	1.60	8.50	50-100 LIMESTONE &	300				20			
105			SHALE	305				21			
110	1.50	9.07		310				22			
115			100-115 SHALE	315				23			
120	0.90	15.11		320				24			
125				325				25			
130	0.40	34.00		330				26			
135			115-135 LIMESTONE &	335				27			
140	1.20	11.33	CHERT	340				28			
145				345				29			
150	1.80	7.56	135-150 SHALE	350				30			
155				355				31			
160	0.50	27.20		360				32			
165			150-165 LIMESTONE	365				33			
170	1.00	13.60		370				34			
175				375				35			
180	2.00	6.80		380				36			
185				385				37			
190	2.00	6.80		390					Volts	13.60	
195				395					Amps	14.60	
200	2.00	6.80		400					Ohms	0.93	#DIV/0!

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Hole Dia.:	10"	Total Depth:	240'	Casing Feet:		Dia.:	Type:
No. Anodes:	10	Size and Type:	SAE AEL	Anode Lead:		Size: #8	Type: HALAR
Lbs. Coke:	4950	Coke Type:	CONCRETE	Top of Coke Column:	17'	Vent:	
Lbs. Plug	600	Plug Type:	CEMENT	Top of Plug:	3'		

**Drillers Log
Southern Star
116th Antioch
Overland Park, KS**

Location 38.92033N 94.68635W

Date 11/11/2011

<u>Lithology</u>			<u>Hole Diameter</u>		
From	To	Description	From	To	
0	4	Clay	0'	20'	16"
4	25	Shale/Limestone/Sandstone	20'	250'	10"
25	50	Limestone/Chert			
50	100	Limestone and Shale			
100	115	Shale			
115	135	Limestone/Chert			
135	150	Shale			
150	165	Limestone			
165	215	Shale, with thin limes			
215	230	Limestone/Chert			
230	250	Shale			
			<u>Casing</u>		
			From	To	
			0'	20'	10" SDR 21
			<u>Grout/Seal</u>		
			From	To	
			0'	20'	Cement

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