

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 33097
Name: Southern Star Central Gas Pipeline
Address: 4700 Hwy. 56 P.O. Box 20010
City/State/Zip: Owensboro, Kentucky 42304-0010
Purchaser: _____
Operator Contact Person: D. Mark Rouse
Phone: (270) 852-4490
Contractor: Name: Skyy Drilling Inc.
License: 33557
Wellsite Geologist: D. Mark Rouse

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)
If Workover/Re-entry: Old Well Info as follows: GAS STORAGE

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>8/3/2005</u>	<u>8/12/2005</u>	<u>11/08/2005</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 003-24268-00-00
County: Anderson
SE NE NE Sec. 34 Twp. 21 S. R. 19 East West
894' FNL _____ feet from S / N (circle one) Line of Section
344' FEL _____ feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: North Welda Well #: 89
Field Name: North Welda Gas Storage Field
Producing Formation: Colony Sandstone
Elevation: Ground: 1088' Kelly Bushing: 1094'
Total Depth: 1010' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 117' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from surface
feet depth to 117' w/ 110 sx cmt.

Drilling Fluid Management Plan ALT #2 KJR 5/15/07
(Data must be collected from the Reserve Pit)
Chloride content 200 mg/L ppm Fluid volume 60 bbls
Dewatering method used evaporation/hauling
Location of fluid disposal if hauled offsite: _____
Operator Name: Southern Star Central Gas Pipeline
Lease Name: Company farm License No.: 33097
Quarter NE Sec. 34 Twp. 21 S. R. 19 East West
County: Anderson Docket No.: _____

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.

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: D. Mark Rouse
Title: Staff Geologist Date: 12-2-2005
Subscribed and sworn to before me this 7th day of December,
2005.
Notary Public: Elizabeth A. Morris
Date Commission Expires: 7-29-06

KCC Office Use ONLY

NO Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

✓

X

ORIGINAL

Operator Name: Southern Star Central Gas Pipeline Lease Name: North Welda Well #: 89
 Sec. 34 Twp. 21 S. R. 19 East West County: Anderson

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 copy of all Electric Wireline 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
 (Submit Copy)

List All E. Logs Run:

Baker Atlas: Dual Induction Focused Log/Gamma Ray, Compensated Z-Densilog/Neutron, Minilog, Digital Spectralog, X-Y Caliper Log

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Stanton Ls.	3'-52'	
Iola Ls.	244'-314'	
Dennis Ls.	344'-401'	
Swope Ls.	405'-438'	
BKC	453'	
Pawnee Ls.	698'-769'	
Lower Fort Scott	774'-784'	
Colony Ss.	906'-938'	

CASING RECORD <input checked="" 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	13.5"	10 3/4"	51# / ft.	117'	Class A	110 sks.	1% Cacl, 1sk. flo-seal
Production Casing	9 7/8"	7"	20# / ft.	990'	OWC	365 sks.	4 sks. flo-seal

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				

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
4 shfts./ft.	900.0'-931.0'. (G.L.)	RECEIVED DEC 08 2005 KCC WICHITA	

TUBING RECORD		Size	Set At	Packer At	Liner Run
					<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
Gas Storage		<input checked="" 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
		10,000 Mcf			

Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

CONSOLIDATED OIL WELL SERVICES, INC.
 211 W. 14TH STREET, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8676

TICKET NUMBER 1861
 LOCATION Ottawa KS
 FOREMAN Fred Mader

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-6-05	7893	Ns. Welda # 89	34	21	19	AN
CUSTOMER Southern Star Central			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 4700 Hiway 56			372	F Mader		
CITY Owensboro			368	E. Kennedy		
STATE Ky			370	J. Palibr		
ZIP CODE 42301			149	R. Fisher		

JOB TYPE Surface HOLE SIZE 13 1/2" HOLE DEPTH 132' CASING SIZE & WEIGHT 10 3/4" - 51#
 CASING DEPTH 717 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 10'
 DISPLACEMENT 11.0 BBL DISPLACEMENT PSI - MIX PSI _____ RATE 480PM

REMARKS: Establish Circulation. Mix Pump 110 SKS Class A
Portland Cement w/2% Gel 2% Calc. Chloride 1/4#
Flo. Seal per SK. Displace 10 3/4" Wood Plug to Casin
T.D. - (Float Shoe) w/ 11.0 BBL Fresh water. Pressure to
200* PSI. Shut in casing.
Circulated 10 BBLs Cement into Pit. Fred Mader

SKYY Drilling

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE Cement Pump #368		765 ⁰⁰
5406	30	MILEAGE Pump Truck #368		75 ⁰⁰
5407	Minimum	Ton Mileage #144		240 ⁰⁰
5502C	6 hrs	80 BBL Vac Truck #370		492 ⁰⁰
5404	Stand by 6 hrs	(3 men x 2 hrs)		396 ⁰⁰
RECEIVED				
DEC 08 2005				
KCC WICHITA				
1104	110 SKS	Class A Portland Cement		1072 ⁵⁰
1118B	4 SKS	Premium Gel (50#)		26.52
1102	205 #	Calcium Chloride		125 ²⁵
1107	1 SK	Flo. Seal		42.75
4434	1	10 3/4" Wooden Plug		75 ⁰⁰
Sub Total				3309 ⁵²
PIN # 46087 Tax @ 6.3%				84.54
(Please Show on Invoice)				
#				3394.56
SALES TAX				
ESTIMATED				
TOTAL				

AUTHORIZATION J M wh [Signature] TITLE _____ DATE _____

CC SOLIDATED OIL WELL SERVICES, INC.
 211 W. 14TH STREET, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8676

TICKET NUMBER **4050**
 LOCATION *At Factory*
 FOREMAN *Alan Maden*

TREATMENT REPORT & FIELD TICKET
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-12-05	7893	N Welda #89	34	21	19	AN
CUSTOMER <i>Southern Star Central</i>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <i>4700 Highway 56</i>			<i>386</i>	<i>Alamad</i>	<i>122</i>	<i>Fremed</i>
CITY <i>Owensboro</i>			<i>368</i>	<i>Asken</i>	<i>144</i>	<i>Ricks</i>
STATE <i>Ky</i>			<i>369</i>	<i>Asken</i>		
ZIP CODE			<i>370</i>	<i>Joe Tol</i>		
JOB TYPE <i>Long string</i>	HOLE SIZE <i>9 7/8</i>	HOLE DEPTH <i>1000</i>	CASING SIZE & WEIGHT <i>7" - 30#</i>			
CASING DEPTH <i>990</i>	DRILL PIPE	TUBING	OTHER			
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING <i>Yes</i>			
DISPLACEMENT <i>40 1/2</i>	DISPLACEMENT PSI <i>500</i>	MIX PSI <i>0-400</i>	RATE <i>4 BPM</i>			
REMARKS: <i>Established circulation. Mixed & pumped 30sx OWC, 1/4th floreal @ 11 ppg to scavenge hole. Mixed & pumped 333sx OWC, 1/4th floreal @ 14.5 ppg. Flushed pump. Released 7" rubber plug. Pumped plug to TD of casing. Well held 500 PSI. Set float. Circulated 20 bbls good cement returns.</i>						

Alan Maden

ACCOUNT CODE	QUANTITY of UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE cement casing	365	365.00
5402	30	MILEAGE pump truck	360	10800.00
5402	990'	Casing footage	360	356400.00
5502C	16 hrs	2 80 vacs	369 + 370	1312.50
5407A		travels	122 + 144	4734.80
5404	12	Hours x 3 hrs		792.00
1107	4 sx	Floreal		171.00
1126	365 sx	OWC		4745.00
4409	1	7" rubber plug		51.00
4310	1	7" x 8rd coupling		85.00
<i>WDF#198992</i>				
<i>63</i>				

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 DEC 08 2005
 KCC WICHITA

AUTHORIZATION *[Signature]* TITLE *SA Engineer* DATE *8/12/05*

SALES TAX 318.28
 ESTIMATED TOTAL \$ 8787.76