

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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: Splane Pulling and Roustabout  
License: 6372  
Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion:  
\_\_\_\_ New Well \_\_\_\_ Re-Entry ☒ Workover  
\_\_\_\_ Oil \_\_\_\_ SWD \_\_\_\_ SIOW \_\_\_\_ Temp. Abd.  
\_\_\_\_ Gas \_\_\_\_ ENHR \_\_\_\_ SIGW  
\_\_\_\_ Dry ☒ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: Southern Star Central Gas Pipeline  
Well Name: Piqua #0-6  
Original Comp. Date: 4/2/1956 Original Total Depth: 575'  
\_\_\_\_ Deepening \_\_\_\_ Re-perf. \_\_\_\_ Conv. to Enhr./SWD  
\_\_\_\_ Plug Back \_\_\_\_ Plug Back Total Depth  
\_\_\_\_ Commingled \_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_ Dual Completion \_\_\_\_ Docket No. \_\_\_\_\_  
☒ Other (SWD or Enhr.?) New Liner \_\_\_\_ Docket No. \_\_\_\_\_

9-5-06 9-5-06  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 001-01932-00-01  
County: Allen  
\_\_\_\_ SW SW Sec. 2 Twp. 25 S. R. 17 ☒ East ☐ West  
4038 feet from S / (N) (circle one) Line of Section  
271 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Piqua Gas Storage Well #: 0-6  
Field Name: Piqua Gas Storage

Producing Formation: Peru Sandstone

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: 575' Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at \_\_\_\_\_ 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/ Alt 2-Dlg-2/23/09 <sup>sx crtl.</sup>

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: Hurricane Trucking and Well Service

Lease Name: Curry Disposal License No.: 32006

Quarter \_\_\_\_\_ Sec. 115 Twp. 22 S. R. 11 ☒ East ☐ West

County: Greenwood Docket No.: D-26,524

**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: 10-30-2006

Subscribed and sworn to before me this 30th day of October

20 06

Notary Public: Shelley R. Rouse

Date Commission Expires: 10-30-2009

KCC Office Use ONLY

\_\_\_\_ Letter of Confidentiality Received

If Denied, Yes ☐ Date: \_\_\_\_\_

\_\_\_\_ Wireline Log Received

\_\_\_\_ Geologist Report Received

\_\_\_\_ UIC Distribution

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NOV 06 2006

KCC WICHITA

Operator Name: Southern Star Central Gas Pipeline Lease Name: Piqua Gas Storage Well #: 0-6  
 Sec. 2 Twp. 25 S. R. 17 ☒ East ☐ West County: Allen

**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:

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

| 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                                                                             |                   |                           |                   |               |                |              |                            |
| production                                                                          |                   |                           |                   |               |                |              |                            |
| liner                                                                               | inside 7"         | 2 7/8"                    | 4.5               | 579           | OWC            | 100          |                            |

| 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                     |                  |                |             |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br>(Amount and Kind of Material Used) | Depth |
|----------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|
| 4 shts./ft.    | 539'-549' 554'-564'                                                                       |                                                                                   |       |
|                |                                                                                           |                                                                                   |       |
|                |                                                                                           |                                                                                   |       |
|                |                                                                                           |                                                                                   |       |
|                |                                                                                           |                                                                                   |       |

| 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 <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                                                                                                                  | METHOD OF COMPLETION                                                                                                                                                                               | Production Interval |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br>(If vented, Submit ACO-18.) | <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><input type="checkbox"/> Other (Specify) |                     |

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 NOV 06 2006  
 KCC WICHITA

642  
10-24-06

Shop # (620) 437-2661  
Cellular # (620) 437-7582  
Office # (316) 685-5908  
Office Fax # (316) 685-5926

**Hurricane Truck Services, Inc.**  
P.O. Box 782228  
Wichita, KS 67278-2228

MC ID # 165290

Shop Address: Route 1  
Madison, KS 66860

Customer:

SOUTHERN STAR CENTRAL GAS PIPELINE  
PO BOX 550  
19209 SW MARYLAND RD  
WELDA, KS 66091

Invoice Date 9/11/2006  
Invoice # 6856  
Lease Name PIQUA  
Well # O - 6  
PIN #44831

| Date     | Description                                                                                                                | Hrs/Qty | Rate   | Total    |
|----------|----------------------------------------------------------------------------------------------------------------------------|---------|--------|----------|
| 9/5/2006 | Drove to location, cleaned lines, circulated well clean and cemented production string per attached Service ticket #T1530. |         |        |          |
|          | Misc Pump - Circulate well w/tubing & bit                                                                                  | 2.00    | 125.00 | 250.00   |
|          | Quick Set Cement - Class A w/additives                                                                                     | 100.00  | 13.22  | 1,322.00 |
|          | 2 7/8" Float Shoe EUE                                                                                                      | 1.00    | 98.00  | 98.00    |
|          | 2 7/8" Centralizer x 6"                                                                                                    | 4.00    | 26.25  | 105.00   |
|          | Vacuum Truck                                                                                                               | 3.00    | 75.00  | 225.00   |
|          | Water Transport #170                                                                                                       | 5.00    | 90.00  | 450.00   |
|          | Bulk Truck miles - Minimum charge                                                                                          | 1.00    | 200.00 | 200.00   |
|          | Mileage - One way                                                                                                          | 45.00   | 2.75   | 123.75   |
|          | 2 1/2 gal Soap (Foamer)                                                                                                    | 2.50    | 22.50  | 56.25    |
|          | 2 7/8" Top Rubber Plug                                                                                                     | 1.00    | 17.50  | 17.50    |
|          | City Water - 160 bbls                                                                                                      | 1.00    | 45.00  | 45.00    |
|          | Pump charge                                                                                                                | 1.00    | 700.00 | 700.00   |



**Total** \$3,592.50

All invoices are due upon receipt. Interest at the rate of 1 1/2% per month may be charged on all invoices not paid within 30 days from date of invoice.

**WE APPRECIATE YOUR BUSINESS!**

Contract# 2001-5329  
RFS# 535

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NOV 06 2006  
KCC WICHITA

MC ID # 156212  
Shop # 620 437-2661  
Cellular # 620 437-7582  
Office # 316 685-5908  
Office Fax # 316-685-5926  
Shop Address: 3613A Y Road  
Madison, KS 66860

Hurricane Truck Services, Inc.  
P.O. Box 782228  
Wichita, KS 67278-2228

Cement and Acid  
Service Ticket  
T 1530

DATE 9-5-06

COUNTY Allen CITY \_\_\_\_\_

CHARGE TO Southern Star PIN # 44831

ADDRESS P.O. Box 550 CITY Wichita ST Ks. ZIP 66091

LEASE & WELL NO. Pigua " 0-6 CONTRACTOR Hurricane Well Serv.

KIND OF JOB Linear / Production String SEC. 2 TWP. 25S RNG. 17E

DIR. TO LOC. 2 miles East of Pigua, Ks.; South on 400<sup>th</sup> E, West into OLD NEW

| Quantity | MATERIAL USED                                                                                 | Serv. Charge |          |
|----------|-----------------------------------------------------------------------------------------------|--------------|----------|
|          |                                                                                               |              | 700.00   |
| 2        | Misc Pump > circulate well w/ Tubing & Bit                                                    |              | 250.00   |
| 100 SKs  | Quick Set cement (class A cement, 4 <sup>3</sup> Gal, 2 <sup>2</sup> CAC, 8" P/S w/ CAP-SEAL) |              | 1,322.00 |
| 1        | 2 <sup>7</sup> / <sub>8</sub> " Float shoe - Ball Type                                        |              | 98.00    |
| 4        | 2 <sup>7</sup> / <sub>8</sub> " Centralizers                                                  |              | 105.00   |
| 3        | Hrs. VAC Truck                                                                                |              | 225.00   |
| 5 Hrs    | <del>Water Transport</del> Water Transport                                                    |              | 450.00   |
| 45       | BULK TRK. MILES Tow > minimum charge                                                          |              | 200.00   |
| 45       | PUMP TRK. MILES                                                                               |              | 123.75   |
| 2 1/2    | GAL SOAP (Foamer)                                                                             |              | 56.25    |
| 1        | PLUGS 2 <sup>7</sup> / <sub>8</sub> " Top Rubber Plug                                         |              | 17.50    |
| 160 Bbls | City water                                                                                    |              | 45.00    |
|          | TOTAL                                                                                         |              | 3592.50  |

T.D. 580' 7" CSG. SET AT 555' Annulus VOLUME 18 Bbls

SIZE HOLE 2<sup>5</sup>/<sub>8</sub>" of 6<sup>1</sup>/<sub>2</sub>" Hole 2<sup>7</sup>/<sub>8</sub>" TBG SET AT 582' VOLUME 3.37 Bbls

MAX. PRESS. \_\_\_\_\_ SIZE PIPE 2<sup>7</sup>/<sub>8</sub>" inside of 7" casing

PLUG DEPTH \_\_\_\_\_ PKER DEPTH \_\_\_\_\_

PLUG USED 2<sup>7</sup>/<sub>8</sub>" Top Rubber Plug TIME FINISHED \_\_\_\_\_

REMARKS: Ran 2<sup>7</sup>/<sub>8</sub>" Tubing in well with Bit, Rig up to Annulus, circulate well clean with

50 Bbls water Top out of Hole. Ran 2<sup>7</sup>/<sub>8</sub>" Tubing w/ Float Equipment in well

Rig up to Tubing set at 582', Pumped 20 Bbls water. Rig up to cement well

Details on cementing Procedure - see cementing Log sheet

"Thank you"

EQUIPMENT USED

NAME UNIT NO.

Heath Watts 185

Brad Butler

CEMENTER OR TREATER

NAME UNIT NO.

Don #91, Joe #88, Steve #170

Bernard Rocker

OWNER'S REP.

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KCC WICHITA

MC ID # 156212  
Shop # 620 437-2661  
Cellular # 620 437-7582  
Office # 316-685-5908  
Office Fax # 316-685-5926  
Shop Address: 3613A Y Road  
Madison, KS 66860

Hurricane Truck Services, Inc.  
P.O. Box 782228  
Wichita, KS 67278-2228

Acid/Cementing Log

Date 9-5-06 District Madison Ticket No. 1530  
Company Southern Star Rig  
Case Piggy Gas Field Well No. 0-6  
County Allan State KS  
Location Pig # 44831 Field Piggy

CASING DATA ☐ PTA ☐ Squeeze ☐ Acid ☐ Min Frac  
☐ Surface ☐ Intermediate ☐ Production ☒ Liner  
Size 2 1/4" Type 8 1/2 Weight Collar

Casing Depths: Top 7'-555' Bottom 580'  
25' open hole - 6 1/4"

Joint Pipe Size Weight Collars  
Open Hole Size T.D. ft P.B. to ft

CAPACITY FACTORS:

Casing Bbls/Lin. ft .0325 Lin. ft/Bbl. 30.81  
Open Holes Bbls/Lin. ft .0299 Lin. ft/Bbl. 33.43  
Well Pipe Bbls/Lin. ft Lin. ft/Bbl.  
Annulus Bbls/Lin. ft Lin. ft/Bbl.  
Casing Bbls/Lin. ft .00579 Lin. ft/Bbl. 172.74  
Annulations From 44' ft. to 7' casing Amt. 344'  
Casing Setting: B-Plug Depth

COMPANY REPRESENTATIVE Bernie Rackers

| TIME | PRESSURES PSI     |         | FLUID PUMPED DATA |                        |                | REMARKS |
|------|-------------------|---------|-------------------|------------------------|----------------|---------|
|      | DRILL PIPE CASING | ANNULUS | TOTAL FLUID       | Pumped Per Time Period | RATE Bbls Min. |         |

|      |         |  |        |       |       |                                                              |
|------|---------|--|--------|-------|-------|--------------------------------------------------------------|
| 3:15 |         |  |        |       |       |                                                              |
| 3:30 | 300     |  |        | 20    | 3     | Rig up Cement Head                                           |
|      | 300-100 |  | 43     | 23    | 2 1/2 | Break circulation - Pumped 20 Bbls. water                    |
|      | 300     |  | 68     | 25    | 3     | Pumped 10 Bbl. Foamer, 10 Bbl. Cement, 10 Bbl. Foamer -      |
| 3:45 |         |  |        |       |       | Pumped water - Circulate Flush Around To Condition Hole      |
| 3:47 | 200-400 |  |        | 26    | 2 1/2 | Shut down - Switch water 1:1                                 |
|      | 800     |  |        |       |       | Mixed 900 SKs. Quick Set Cement at 13.7/14 1/2% w/           |
|      | 400     |  |        |       |       | Good cement returns to surface - close valve on Annulus      |
| 4:00 |         |  |        |       |       | Squeeze cement 3 holes in 7" casing at 44' <del>6 1/4"</del> |
| 4:03 | 300-500 |  | 29 1/2 | 3 1/2 | 2     | between 7" casing & surface - Reopen Annulus                 |
| 4:05 | 1500    |  |        |       |       | Shut down - wash out pump slugs - Release Plug               |
| 4:10 |         |  |        |       |       | Open Valve on Annulus - Displace Plug w/ 3-3 Bbls. water     |
|      |         |  |        |       |       | Land Plug - Release to 1000 PSI                              |
|      |         |  |        |       |       | Release Pressure - Float Hold - Close in w/ D PSI            |

Job complete - Tear down

4:15 ' 500  
Rig up to Annulus - Pumped Little cement  
Shut down - Pressure To High  
Release Pressure

Note: Good cement returns to surface  
with 5 Bbl Slurry - 17 SKs

VAL DISP. PRESS 500 PSI BUMP PLUG TO 1500

P PSI 5 MIN

PSI BLEEDRACK BBLS.

PSI 10 MIN

PSI 15 MIN

CEMENT DATA

Spacer Type: Pre Flush Ahead

Amt. 10 Sks Yield 1.64 ft/sk Density 13.0 PPG

Pump 10 Bbl. Foamer, 3 Bbl. cement slurry, 10 Bbl. Foamer -  
Circulate Around To condition Hole

LEAD: Pump Time hrs. Type

Excess

Amt. Sks Yield ft/sk Density PPG

TAIL: Pump Time hrs. Type

Quick Set cement Excess

Amt. Sks Yield 1.63 ft/sk Density 13.4 PPG

WATER, Lead gals/sk Tail gals/sk Total Bbls

Acid Type

Pump Truck Used 185

Bulk Equipment 91

Float Equip: Manufacturer Industrial Rubber

Shoe: Type 2 1/4" Float shoe - Bell Type Depth

Float: Type Depth

Centralizers: Quantity 4-2 1/4" Plugs Top 2 1/4" Btm.

Stage Collars

Special Equip.

Disp. Fluid Type City water Amt. Bbls. Weight 8.2 PPG

Fluid Type Weight PPG

CEMENT/TREATER Brad Butler

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