

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 # 33075
Name: CMS Pan Gas Storage Co. LLC dba Southwest Gas Storage
Address: PO Box 4967
City/State/Zip: Houston, TX 77210-4967
Purchaser: _____
Operator Contact Person: David M. McQuilling
Phone: (713) 989-7493
Contractor: Name: CP Drilling
License: 32525

Wellsite Geologist: JAN 10 2005
Designate Type of Completion: **KCC WICHITA**
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WCV, Expl. Cathodic, etc)

If Workover/Re-entry: Give well into as follows:
Operator: N/A
Well Name: Olpe 10.0 Grouned No. 2

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>6/5/04</u> | <u>6/6/04</u> | <u>6/6/04</u> |
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 111-20433-0000
County: Lyon
NE SE NW Sec. 7 Twp. 20 S. R. 13 East West
1830 feet from S / N (circle one) Line of Section
2685 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Whitaker Well #: No. 2
Field Name: _____

Producing Formation: _____
Elevation: Ground: 1080 Kelly Bushing: _____
Total Depth: 300 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 70 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 Att 3 RGR 2/25/08
(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 No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ 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: [Signature]
Title: OWNER Date: 12-16-04
Subscribed and sworn to before me this 16th day of December
2004
Notary Public: [Signature] # 04000353
Date Commission Expires: January 14, 2008

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: CMS Pan Gas Storage Co. LLC dba Southwest Gas Storage Lease Name: Whitaker Well #: No. 2
 Sec. 7 Twp. 20 S. R. 13 East West County: Lyon

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 <i>(Attach Additional Sheets)</i> | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input type="checkbox"/> Yes <input type="checkbox"/> No | Name | Top Datum |
| Cores Taken | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| Electric Log Run <i>(Submit Copy)</i> | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |
| List All E. Logs Run: | | | |

JAN 10 2005
KCC WICHITA

| 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 |
| | 17.5" | 10.75" | 7.532 | 70' | Neat | 70 | water / 5 gallons per sack |
| | | | | | | | |
| | | | | | | | |

| 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 <i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| | | | |
| | | | |
| | | | |
| | | | |

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



JOB NO. 311100

PAGE 1 OF 2

INSTALLATION DATE 6/5/04

JOB TITLE INSTALLATION OF CATHODIC PROTECTION DEEP ANODE BED

JOB SITE Olpe 10.0 No.2 Bed (South) LYON COUNTY, KANSAS

JAN 10 2005

COMPANY PANHANDLE ENERGY

KCC WICHITA

Rotary: 300' Cable Tool: 0 Casing: 70' of 10" PVC Pipe
 Groundbed Depth: 300' Diameter: 10" Cokebreeze Anodes: 6 EA. - 1.25"X4' MMO MP TUBULAR

| Depth Ft. | DRILLERS LOG | TO STRUCTURE | | | No Coke | With Coke | Depth Top of Anode | |
|----------------------------|----------------------|--------------|--------|---|---------|-----------|--------------------|-----|
| | | E | I | R | | | No. | Ft. |
| | | 0-2 | Sand | | CASING | | | |
| 4-25 | Yellow Clay | | CASING | | | | | |
| 24-30 | Shale | | CASING | | | | | |
| 30-59 | Lime | | CASING | | | | | |
| 59-70 | Shale | | CASING | | | | | |
| 70-110 | Shale | | | | | | | |
| 110-210 | Shale & lime Streaks | | | | | | | |
| 210-300 | Shale | | | | | | | |
| Exploring Anode Log | | | | | | | | |
| 70 | Gray Shale | 14.15 | 1.50 | | | | | |
| 75 | Gray Shale | 14.15 | 2.90 | | | | | |
| 80 | Gray Shale | 14.15 | 2.90 | | | | | |
| 85 | Gray Shale | 14.15 | 2.80 | | | | | |
| 90 | Gray Shale | 14.15 | 2.90 | | | | | |
| 95 | Gray Shale | 14.15 | 2.90 | | | | | |
| 100 | Gray Shale | 14.15 | 2.40 | | | | | |
| 105 | Gray Shale | 14.15 | 1.60 | | | | | |
| 110 | Shale & lime Streaks | 14.15 | 2.40 | | | | | |
| 115 | Shale & lime Streaks | 14.15 | 1.50 | | | | | |
| 120 | Shale & lime Streaks | 14.15 | 2.50 | | | | | |
| 125 | Shale & lime Streaks | 14.15 | 1.30 | | | | | |
| 130 | Shale & lime Streaks | 14.15 | 1.00 | | | | | |
| 135 | Shale & lime Streaks | 14.15 | 3.10 | | | | | |
| 140 | Shale & lime Streaks | 14.15 | 3.00 | | | | | |
| 145 | Shale & lime Streaks | 14.15 | 2.70 | | | | | |
| 150 | Shale & lime Streaks | 14.15 | 3.00 | | | | | |
| 155 | Shale & lime Streaks | 14.15 | 2.70 | | | | | |
| 160 | Shale & lime Streaks | 14.15 | 3.20 | | | | | |
| 165 | Shale & lime Streaks | 14.15 | 3.10 | | | | | |
| 170 | Shale & lime Streaks | 14.15 | 3.10 | | | | | |
| 175 | Shale & lime Streaks | 14.15 | 3.30 | | | | | |
| 180 | Shale & lime Streaks | 14.15 | 3.30 | | | | | |
| 185 | Shale & lime Streaks | 14.15 | 2.90 | | | | | |
| 190 | Shale & lime Streaks | 14.15 | 2.90 | | | | | |
| 195 | Shale & lime Streaks | 14.15 | 1.70 | | | | | |

