



KANSAS CORPORATION COMMISSION 1059848
OIL & GAS CONSERVATION DIVISION

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 # 4824
Name: Pioneer Natural Resources USA, Inc.
Address 1: 5205 N O CONNOR BLVD
Address 2: _____
City: IRVING State: TX Zip: 75039 + 3707
Contact Person: Virginia Tijerina
Phone: (972) 444-9001
CONTRACTOR: License # 4824
Name: Pioneer Natural Resources USA, Inc.
Wellsite Geologist: Larry Brooks
Purchaser: _____

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 #: _____

| | | |
|-----------------------------------|------------------|---|
| <u>4/21/2011</u> | <u>4/23/2011</u> | <u>6/7/2011</u> |
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 15-067-21722-00-00
Spot Description: _____
N2 N2 N2 N2 Sec. 33 Twp. 30 S. R. 36 East West
200 Feet from North / South Line of Section
2640 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Grant
Lease Name: THUROW-TATE Well #: ATU 1
Field Name: Hugoton
Producing Formation: Chase/Council Grove
Elevation: Ground: 3030 Kelly Bushing: 7
Total Depth: 3095 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 606 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: 2800 ppm Fluid volume: 3100 bbls
Dewatering method used: Evaporated
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

- Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

ALT I II III Approved by: Deanna Garrison Date: 07/21/2011



1059848

Operator Name: Pioneer Natural Resources USA, Inc. Lease Name: THUROW-TATE Well #: ATU 1
 Sec. 33 Twp. 30 S. R. 36 East West County: Grant

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Neutron Log Cement Bond Log | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border: none;"> <tr> <td style="width:33%; border: none;">Name Attached</td> <td style="width:33%; border: none;">Top Attached</td> <td style="width:33%; border: none;">Datum Attached</td> </tr> </table> | Name Attached | Top Attached | Datum Attached |
| Name Attached | Top Attached | Datum Attached | | |

| 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 | 12.25 | 7.625 | 24 | 606 | POZ | 460 | |
| Production | 7.875 | 5.5 | 17 | 3095 | POZ | 510 | |
| | | | | | | | |

| 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 |
|----------------|---|--|----------|
| Attached | Attached | Attached | Attached |
| | | | |
| | | | |
| | | | |

| | | | | |
|--|-----------|---|-------------|---|
| 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. 7/15/2011 | | Producing Method: <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ | | |
| 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) (Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ | PRODUCTION INTERVAL: _____ _____ |
|--|--|---|

| | |
|-----------|-------------------------------------|
| Form | ACO1 - Well Completion |
| Operator | Pioneer Natural Resources USA, Inc. |
| Well Name | THUROW-TATE ATU 1 |
| Doc ID | 1059848 |

Tops

| Name | Top | Datum |
|------------|------|-------|
| Glorietta | 1220 | KB |
| Wellington | 2133 | KB |
| Hollenberg | 2467 | KB |
| Herington | 2494 | KB |
| Krider | 2514 | KB |
| Towanda | 2618 | KB |
| Ft. Riley | 2673 | KB |
| A1 Lime | 2805 | KB |
| B1 Lime | 2859 | KB |
| B2 Lime | 2878 | KB |

| | |
|-----------|-------------------------------------|
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| Doc ID | 1059848 |

Perforations

| Shots Per Foot | Perforation Record | Material Record | Depth |
|----------------|--------------------|------------------|-------------|
| 3 | Chase | Shot & Fractured | 2609 - 2650 |
| 3 | Chase | Shot & Fractured | 2661 - 2694 |
| 3 | Council Grove | Shot & Fractured | 2748 - 2752 |
| 3 | Council Grove | Shot & Fractured | 2758 - 2772 |
| 3 | Council Grove | Shot & Fractured | 2792 - 2796 |
| 3 | Council Grove | Shot & Fractured | 2847 - 2861 |
| 3 | Council Grove | Shot & Fractured | 2871 - 2884 |

CEMENTING TREATMENT REPORT



| | | | |
|------------------|-----------|----------|-----------|
| TREATMENT NUMBER | SO2011006 | DATE | 4/21/2011 |
| STAGE | 1 | JOB TYPE | Surface |

| | | | | | | | |
|-------------------|------------------|------------------|---------------------|-----------|-------------------|----------------|---------------|
| WELL NAME AND NO. | Thruway-Tate ATU | LOCATION (LEGAL) | Sec. 33 T30S R36W | RIG NAME: | Trinidad Drilling | CEMENT PUMPER: | 2304 |
| FIELD | Higdon | FORMATION | Chase/Council Grove | WELL DATA | | FT | TOP |
| COUNTY | Grant | STATE | Kansas | AF# | 20196 | BIT SIZE | 12 1/4 |
| | | | | | | CSG/Liner Size | 8.5/8 |
| | | | | | | TOTAL DEPTH | 610 |
| | | | | | | WEIGHT | 24 |
| | | | | | | MUD TYPE | |
| | | | | | | FOOTAGE | 606 |
| | | | | | | GRADE | J-55 |
| | | | | | | THREAD | 1.T&C |
| | | | | | | MUD DENSITY | 42 |
| | | | | | | MUD VISC | Dhp. Capacity |
| | | | | | | | 35.8 |
| | | | | | | | TOTAL: 35.8 |

RIG FOREMAN: Phillip Gibson
 CEMENT SUPERVISOR: Stan Owens
 CEMENT EMPLOYEES: Warren Martin and J.R. Ortiz

SPECIAL INSTRUCTIONS

Head & Plugs: TBG, D.P.

Double Box 6: WEIGHT, GRADE, SWAGE, KNOCKOUT

Threads: New, Used

Depth: New, Used

LEFT PRESSURE: 230 psi
 PRESSURE LIMIT: 1000 psi
 BUMP PLUG TO: 1300
 CEMENT TEMPERATURE: 68
 WATER QUALITY: 8 pH, 325 SG, 70 TEMP

| TIME | TRG | CSG | VOLUME PUMPED INCR | CUM | NO. of Centralizers | FLUID TYPE | DENSITY | DESCRIPTION |
|------|-----|-----|--------------------|-----|---------------------|------------|---------|-------------|
|------|-----|-----|--------------------|-----|---------------------|------------|---------|-------------|

| TIME | TRG | CSG | VOLUME PUMPED INCR | CUM | NO. of Centralizers | FLUID TYPE | DENSITY | DESCRIPTION |
|-------|-----|------|--------------------|-----|---------------------|------------|---------|---|
| 21:00 | | | | | | | | Pre job safety meeting. |
| 22:17 | | 500 | 2 | | 0.5 | H2O | 8.3 | Test Pumps and Lines. |
| 22:19 | | 40 | 3 | | 3 | H2O | 8.3 | Pump H2O till circulation established. |
| 22:22 | | 90 | 100 | | 3 | CMT | 15 | Mix and pump CMT @ 15 ppg. |
| 22:54 | | | | | | | | Slow down and drop top plug. |
| 22:56 | | 230 | 30 | | 3 | H2O | 8.3 | Pump displacement. |
| 23:09 | | 1300 | 5.8 | | 2 | H2O | 8.3 | Bump plug and check floats. (Held O.K.) |
| | | | | | | | | Call Outs 10 Bbls/70Psi. 20 Bbls/130 Psi 30 Bbls./ 220 Psi. Final 1300 Psi. |
| | | | | | | | | Pumped 35 bbls good cement to the pit. |
| 23:55 | | | | | | | | Post job safety meeting. |

| System Used | No. of Sacks | Yield (ft/ck) | COMPOSITION OF SYSTEM | | SLURRY MIXED | |
|-------------|--------------|---------------|-----------------------|---------|--------------|---------|
| | | | BBLs | DENSITY | BBLs | DENSITY |
| Surface Set | 460 | 1.23 | Surface Set | | 100 | 15 ppg. |

CIRCULATION: Yes No
 WASHED CASING DOWN: Yes No
 RETURNED TO SURFACE: 35 Bbls.
 BREAKDOWN BEFORE PLUG BUMP PRESSURE: 220 PSI
 FINAL PRESSURE: 1300 PSI
 RATE: 2 BPM

