



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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 #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ 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/ _____ sx cmt.

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: _____

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: _____ Date: _____



1055873

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input 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 |
|---|---|

| 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 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| 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 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: 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 <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 <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____ | PRODUCTION INTERVAL: _____ _____ |
|---|--|--|

| | |
|-----------|-------------------------------------|
| Form | ACO1 - Well Completion |
| Operator | Pioneer Natural Resources USA, Inc. |
| Well Name | Unruh 5-18 |
| Doc ID | 1055873 |

Tops

| Name | Top | Datum |
|--------------|------|-------|
| Glorieta | 1324 | KB |
| Hollenberg | 2584 | KB |
| Herington | 2615 | KB |
| Krider | 2640 | KB |
| Towanda | 2749 | KB |
| Ft. Riley | 2804 | KB |
| A1 Lime | 2937 | KB |
| B1 Lime | 2984 | KB |
| B2 Lime | 3008 | KB |
| Base B2 Lime | 3021 | KB |

| | |
|-----------|-------------------------------------|
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Perforations

| Shots Per Foot | Perforation Record | Material Record | Depth |
|----------------|--------------------|------------------|-----------|
| 3 | Chase | Shot & Fractured | 2512-2524 |
| 3 | Chase | Shot & Fractured | 2526-2530 |
| 3 | Chase | Shot & Fractured | 2556-2588 |
| 3 | Chase | Shot & Fractured | 2612-2624 |
| 3 | Chase | Shot & Fractured | 2646-2650 |
| 3 | Chase | Shot & Fractured | 2656-2666 |
| 3 | Council Grove | Shot & Fractured | 2746-2760 |
| 3 | Council Grove | Shot & Fractured | 2770-2780 |

CEMENTING TREATMENT REPORT



| | |
|-------------------------------|-------------------------|
| TREATMENT NUMBER SO2010026 | DATE 10/10/2010 |
| STAGE 1 | JOB TYPE Long String |

| | | | |
|---|--|---|----------------------------------|
| WELL NAME AND NO. Unruh 5-18 | LOCATION (LEGAL) Sec.18, T29S, R33W | RIG NAME: Pioneer Natural Resources Rig # 3 | CEMENT PUMPER: 2305 |
| FIELD Hugoton-Panoma | FORMATION | WELL DATA | BOTTOM |
| COUNTY Haskell | STATE Kansas | API NO. 15-067-21716-00-00 | FT TOP |
| RIG FOREMAN Ray Gonzales/Tom Beardsley | | BIT SIZE 7 7/8 | CSG/Liner Size 5 1/2 |
| CEMENT SUPERVISOR Stan Owens | | TOTAL DEPTH 3220 | WEIGHT 17 |
| | | MUD TYPE | FOOTAGE 3200 |
| | | <input type="checkbox"/> BHST | GRADE J-55 |
| | | <input type="checkbox"/> BHCT | THREAD LT&C |
| | | MUD DENSITY | LESS FOOTAGE (SHOE JOINTS) 42 |
| | | MUD VISC | Disp. Capacity 75 |
| | | Include Footage From Ground Level To Head In Disp. Capacity | |
| | | TYPE | DEPTH |
| | | DEPTH | DEPTH |
| | | TYPE | DEPTH |
| | | DEPTH | DEPTH |

| | | | | | | |
|----------------------|---------------------------------------|--|-------------------------------|--------------------|------|-------|
| SPECIAL INSTRUCTIONS | Head & Plugs | <input type="checkbox"/> TBG | <input type="checkbox"/> D.P. | TOOL | TYPE | DEPTH |
| | <input type="checkbox"/> Double Box 6 | WEIGHT | SIZE | | | |
| | <input type="checkbox"/> Single | GRADE | | TAIL PIPE: | SIZE | DEPTH |
| | <input type="checkbox"/> Swage | THREADS | | TUBING VOLUME | | BBLs |
| | <input type="checkbox"/> Knockout | <input type="checkbox"/> New <input type="checkbox"/> Used | | CSG VOL BELOW TOOL | | BBLs |
| | | DEPTH | | TOTAL | | BBLs |
| | | | | ANNULAR VOLUME | | BBLs |

| | | | | | | | | | | | | | | | |
|----------------|------|-----|--------------|------|-----|---------------------|----|---------------------|----|----------------|------|-----|----|------|----|
| LIFT PRESSURE | 1000 | psi | BUMP PLUG TO | 1500 | psi | NO. of Centralizers | 14 | CEMENT TEMPERATURE: | 78 | WATER QUALITY: | 8 pH | 325 | SG | TEMP | 80 |
| PRESSURE LIMIT | 1500 | psi | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|--------------|----------|-----|-----|---------------|------|-----|-------------------|-------|-------|-------|------------|--------------------|-------|------|-------|------------|--------|-------|-------|-------|------------|---------------|-------|-------|-------|------------|
| TIME | 0001 to 2400 | PRESSURE | TBG | CSG | VOLUME PUMPED | INCR | CUM | JOB SCHEDULED FOR | TIME: | 10:00 | DATE: | 10/10/2010 | ARRIVE ON LOCATION | TIME: | 8:00 | DATE: | 10/10/2010 | RIG UP | TIME: | 12:00 | DATE: | 10/10/2010 | LEFT LOCATION | TIME: | 16:00 | DATE: | 10/10/2010 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| TIME | THICKNESS | PRESSURE | TBG | CSG | VOLUME PUMPED | INCR | CUM | RATE | FLUID TYPE | DENSITY | DESCRIPTION |
|-------|-----------|----------|-----|-----|---------------|------|-----|------|------------|---------|--|
| 13:36 | | | | | | | | | | | Pre job safety meeting. |
| 13:54 | | | | | | | | 0.5 | H2O | 8.3 | Test Pumps and Lines. |
| 13:55 | | 100 | | | 20 | | | 4 | H2O | 8.3 | Pump H2O ahead. |
| 14:02 | | 120 | | | 128 | | | 4 | CMT | 12.5 | Mix and pump lead cement @ 12.5 ppg. |
| 14:34 | | 120 | | | 35 | | | 4 | CMT | 14.2 | Mix and pump tail cement @ 14.2 ppg. |
| 14:44 | | | | | | | | | | | Shut down and drop top plug. |
| 14:47 | | 750 | | | 75 | | | 4 | H2O | 8.3 | Pump displacement. |
| 15:07 | | 1500 | | | 0.5 | | | 0.5 | H2O | 8.3 | Bump plug and check floats. (Held O.K..) |
| | | | | | | | | | | | Call Outs 25 Bbls/400 Psi. 50 Bbls/750 Psi 70 Bbls./1000 Psi. Bumped @ 1500 psi. |
| | | | | | | | | | | | Pumped 40 bbls good cement to the pit. |
| 15:30 | | | | | | | | | | | Post job safety meeting. |

| System Used | No. of Sacks | Yield ft ³ /sk | COMPOSITION OF SYSTEM | | SLURRY MIXED | | |
|-------------|--------------|---------------------------|-----------------------|-----|--------------|---------|------|
| | | | | | BBLs | DENSITY | |
| SDC | 360 | 2.06 | | SDC | | 128 | 12.5 |
| RFC | 120 | 1.25 | | RFC | | 35 | 14.2 |

| | | | | | | | | |
|-------------------|---|--------------------|---|------------------|------|-------|------|-------|
| CIRCULATION | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | WASHED CASING DOWN | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | BREAKDOWN | PSI | FINAL | 1500 | PSI |
| DISPLACEMENT VOL. | 75 | BBLs | RETURNED TO SURFACE | BEFORE PLUG BUMP | 1000 | PSI | RATE | 2 BPM |
| | | | 40 Bbls. | | | | | |

