



KANSAS CORPORATION COMMISSION 1095745
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 # 33343
Name: PostRock Midcontinent Production LLC
Address 1: Oklahoma Tower
Address 2: 210 Park Ave, Ste 2750
City: OKLAHOMA CITY State: OK Zip: 73102 +
Contact Person: CLARK EDWARDS
Phone: (620) 432-4200
CONTRACTOR: License # 33606
Name: Thornton Air Rotary, LLC
Wellsite Geologist: KEN RECOY
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 #: _____
5/22/2012 5/24/2012 6/20/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-205-28013-00-00
Spot Description: _____
NE SE NW NE Sec. 4 Twp. 27 S. R. 15 East West
705 Feet from North / South Line of Section
1384 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Wilson
Lease Name: CLINESMITH Well #: 4-6
Field Name: _____
Producing Formation: BARTLESVILLE
Elevation: Ground: 1021 Kelly Bushing: 0
Total Depth: 1432 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 22 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: 1424
feet depth to: 0 w/ 200 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 0 ppm Fluid volume: 0 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 Garrisor Date: 10/11/2012



1095745

Operator Name: PostRock Midcontinent Production LLC Lease Name: CLINESMITH Well #: 4-6
 Sec. 4 Twp. 27 S. R. 15 East West County: Wilson

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: Attached | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum SEE LOGS |
|---|--|

| 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 | 8.625 | 20 | 22 | A | 4 | |
| PRODUCTION | 7.875 | 5.5 | 14.5 | 1424.45 | A | 200 | |
| | | | | | | | |

| 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 (Amount and Kind of Material Used) | Depth |
|----------------|---|--|---------------------|
| 2 | 1250-1258/1270-1276 | 321 BBLS SLICK WATER/ 1000# 20/40 SAND/ 35100# 12/20 SAND | 1250-1258/1270-1276 |
| | | | |
| | | | |
| | | | |

| | | | |
|---|-----------|--|-----------------------------------|
| 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. 6/22/2012 | | Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____ | |
| Estimated Production Per 24 Hours | Oil Bbbs. | Gas Mcf | Water Bbbs. Gas-Oil Ratio Gravity |

| | | |
|--|--|--|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL: _____ _____ |
|--|--|--|

| | |
|-----------|--------------------------------------|
| Form | ACO1 - Well Completion |
| Operator | PostRock Midcontinent Production LLC |
| Well Name | CLINESMITH 4-6 |
| Doc ID | 1095745 |

All Electric Logs Run

| |
|------|
| |
| DIL |
| CDL |
| NDL |
| TEMP |



PostRock
Energy Corporation

211 W. 14TH STREET,
CHANUTE, KS 66720
620-431-9500

#1
1/2

TICKET NUMBER 7346 ✓
FIELD TICKET REF# _____
FORMAN Nathan Gahman
AFE D12002
SSI _____
API 15-205-28013

**TREATMENT REPORT
& FIELD TICKET CEMENT**

| DATE | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|---------|--------------------|---------|----------|-------|--------|
| 5-25-12 | Clinesmith 4-6 | | | | |

| FORMAN/ OPERATOR | TIME IN | TIME OUT | LESS LUNCH | TRUCK # | TRAILR # | TRUCK HOURS | EMPLOYEE SIGNATURE |
|------------------|---------|----------|------------|---------|----------|-------------|--------------------|
| Nathan Gahman | 6:30 | 9:00 | | 905575 | | 14.5 | Nat Gahman |
| Justin Jensen | 6:30 | 8:30 | | 903197 | | 14 | Justin Jensen |
| Dustin Porter | 6:45 | 7:00 | | 903600 | | | Dustin Porter |
| Coy Chism | 6:30 | 4:00 | | 903142 | 932895 | | Coy Chism |
| John Walker | 6:30 | 8:30 | | 931585 | 931590 | 14 | John Walker |
| Larry Reddick | 6:30 | 8:30 | | 904735 | | 14 | Larry Reddick |

JOB TYPE Long String HOLE SIZE 7 7/8 HOLE DEPTH 1432 CASING SIZE & WEIGHT 5 1/2
 CASING DEPTH 1424.45 DRILL PIPE _____ TUBING _____ OTHER Gus Jones rig crew
 SLURRY WEIGHT 13.5 SLURRY VOL 235 sks WATER gal/sk _____ CEMENT LEFT in CASING 0
 DISPLACEMENT 34.75 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS:
 ran in casing. washed in approx 20' fill washed in 1 sk gal installed plug container
 ran casing dye then pumped cement down until dye back to surface.
 launched plug. in the time it took to clear pump and launch plug
 the cement flashed pressuring up to 1000 on pump before operator got
 shut down. Plug container split down the side and blew out.

| ACCOUNT CODE | QUANTITY OR UNITS | DESCRIPTION OF SERVICES OR PRODUCT | TOTAL AMOUNT |
|-----------------|-------------------|------------------------------------|--------------|
| 905575 | 1 | Forman Pickup | |
| 903197 | 1 | Cement Pump Truck | |
| 903600 | 1 | Bulk Truck | |
| 931585 / 903401 | 2 | Transport Truck | |
| 931590 / 932170 | 2 | Transport Trailer | |
| 904735 | 1 | 80 Vac | |
| 903142 / 932895 | 1 | Casing Truck / Trailer | |
| | 1424.25' | Casing | |
| | 5 | Centralizers | |
| | 1 | Float Shoe | |
| | 1 | Wiper Plug | |
| | - | Frac Baffles | |
| | 200 sk | Portland Cement | |
| | | Gilsonite | |
| | 2 sk | Flo-Seal | |
| | 16 sk | Premium Gel | |
| | 6 sk | Cal Chloride | |
| | 300 bbl | City Water | |
| | | KCL | |
| | 40 sk | KOL Seal | |
| | | Cotton Seed Hulls | |



PostRock
Energy Corporation

211 W. 14TH STREET,
CHANUTE, KS 66720
620-431-9500

2 1/2

TICKET NUMBER

90
7347

FIELD TICKET REF#

FORMAN Walter Gahm

AFE D12002

SSI

API

**TREATMENT REPORT
& FIELD TICKET CEMENT**

| DATE | WELL NAME & NUMBER | | SECTION | TOWNSHIP | RANGE | COUNTY | |
|---------------------|--------------------|-------------|---------------|------------|-------------|----------------|-----------------------|
| 5-25-12 | Clinesmith 4-6 | | | | | | |
| FORMAN/ OPERATOR | TIME IN | TIME OUT | LESS LUNCH | TRUCK # | TRAILR # | TRUCK HOURS | EMPLOYEE SIGNATURE |
| <u>Walter Gahm</u> | 7:00 | 2:30 | | 908400 | 932705 | 7.5 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

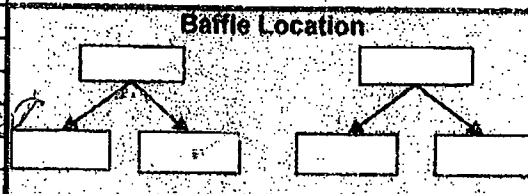
JOB TYPE _____ HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS:
 Started running down 2 3/8 to wash cement out of casing bit plug at 50' down was able to push it down to bottom. Could not wash all cement out. Tripped back out installed scrapper with bit and tripped back in started drilling made approx 1200' Shut down Job due to darkness. Tripped out of well. Will start drilling again

| ACCOUNT CODE | QUANTITY OR UNITS | DESCRIPTION OF SERVICES OR PRODUCT | TOTAL AMOUNT |
|--------------|-------------------|------------------------------------|--------------|
| | | Forman Pickup | |
| | | Cement Pump Truck | |
| | | Bulk Truck | |
| | | Transport Truck | |
| | | Transport Trailer | |
| | | 80 Vac | |
| | | Casing Truck | |
| | | Casing | |
| | | Centralizers | |
| | | Float Shoe | |
| | | Wiper Plug | |
| | | Frac Baffles | |
| | | Portland Cement | |
| | | Gilsonite | |
| | | Flo-Seal | |
| | | Premium Gel | |
| | | Cal Chloride | |
| | | City Water | |
| | | KCL | |
| | | KOL Seal | |
| | | Cotton Seed Hulls | |
| | | | |
| | | | |

next work day.

Clinesmith 4-6

| Pipe # | Length | Running Total | Baffle Location | Casing Tally Sheet | | | | | |
|--------|--------|---------------|-----------------|--|--|--|---|--|--|
| 1 | 40.12 | | | Location: SSI# Date: 05-24-2012 Well TD: 1432 ft. | | | | | |
| 2 | 39.16 | 79.28 | | | | | | | |
| 3 | 39.73 | 119.01 | | | | | | | |
| 4 | 38.17 | 157.18 | | | | | | | |
| 5 | 39.23 | 196.41 | | | | | | | |
| 6 | 38.15 | 234.56 | | | | | | | |
| 7 | 39.28 | 273.84 | | | | | | | |
| 8 | 40.18 | 314.02 | | | | | | | |
| 9 | 39.14 | 353.18 | | | | | | | |
| 10 | 40.08 | 393.26 | | | | | | | |
| 11 | 39.26 | 432.52 | | | | | | | |
| 12 | 39.56 | 472.08 | | Baffle Location  | | | | | |
| 13 | 39.56 | 510.64 | | | | | | | |
| 14 | 38.64 | 549.28 | Cement Baffle | | | | | | |
| 15 | 39.81 | 589.09 | | | | | | | |
| 16 | 39.80 | 628.89 | | | | | | | |
| 17 | 38.63 | 667.52 | | | | | | | |
| 18 | 39.23 | 706.75 | No | | | | Notes Sub 11.93 Total 1424.45 Tally Bottom | | |
| 19 | 40.15 | 746.90 | Baffle | | | | | | |
| 20 | 39.65 | 786.55 | to | | | | Be Safe. | | |
| 21 | 38.68 | 825.23 | sed | | | | | | |
| 22 | 39.00 | 864.23 | here. | | | | | | |
| 23 | 39.54 | 903.77 | | | | | | | |
| 24 | 38.40 | 942.17 | | | | | | | |
| 25 | 39.35 | 981.52 | | | | | | | |
| 26 | 39.01 | 1020.53 | | | | | | | |
| 27 | 38.39 | 1058.92 | | | | | | | |
| 28 | 39.54 | 1098.46 | | | | | | | |
| 29 | 40.18 | 1138.64 | | | | | | | |
| 30 | 39.63 | 1178.27 | | | | | | | |
| 31 | 39.73 | 1218 | | | | | | | |
| 32 | 38.25 | 1256.73 | | | | | | | |
| 33 | 38.83 | 1295.56 | | | | | | | |
| 34 | 39.61 | 1335.17 | Cement Baffle | Use all 36 joints + the 11.93 ft. sub. | | | | | |
| 35 | 39.05 | 1374.22 | | | | | | | |
| 36 | 38.30 | 1412.52 | | | | | | | |

Miss Top = 1365 ft.
 Tally Bottom = 1424.45 ft.
 Driller TD = 1432 ft.
 Log Bottom = 1431.90 ft.

RLS
 Ke Rawy
 Sr. Geologist
 620-305-9900
 05-24-2012

Air Drilling Specialist
Oil & Gas Wells

THORNTON AIR ROTARY, LLC
Office Phone: 620-879-2073

PO Box 449
Caney, KS 67333

| | |
|----------------|-----------|
| Date Started | 5/22/2012 |
| Date Completed | 5/24/2012 |

| Well No. | Operator | Lease | A.P.I # | County | State |
|----------|------------------|------------|--------------------|--------|--------|
| 4-6 | Post Rock Energy | Clinesmith | 15-205-28013-00-00 | Wilson | Kansas |

| 1/4 | 1/4 | 1/4 | Sec. | Twp. | Rge. |
|-----|-----|-----|------|------|------|
| | | | 4 | 27 | 15 |

| Driller | Type/Well | Cement Used | Casing Used | Depth | Size of Hole |
|----------|-----------|-------------|--------------|-------|--------------|
| Brantley | Oil | 4 | 22' 3" 8 5/8 | 1432 | 7 7/8 |

Formation Record

| | | | | | |
|---------|-------------------|---------|---------------------------|-----------|-----------------------------|
| 0-10 | DIRT | 550 | GAS TEST - NO GAS | 980 | GAS TEST - NO GAS |
| 10-36 | SANDY SHALE | 554-584 | SANDY LIME | 990-994 | BLK SHALE (SUMMIT) |
| 36-185 | SHALE | 584-586 | SHALE | 994-1002 | LIME |
| 185-190 | LIME | 586-601 | LIME | 1005 | GAS TEST - NO GAS |
| 190-199 | SHALE | 601-605 | SHALE | 1002-1017 | BLK SHALE (MULKY) |
| 199-201 | LIME | 605-617 | BLK SHALE (STARK) | 1017-1025 | SHALE |
| 201-203 | SHALE | 605 | GAS TEST - NO GAS | 1025-1028 | LIME |
| 203-220 | LIME | 617-629 | SHALE | 1030 | GAS TEST - NO GAS |
| 220-225 | LMY SAND | 636 | WENT TO WATER | 1028-1076 | SHALE |
| 225-231 | LIME | 629-678 | LMY SHALE | 1076-1079 | COAL |
| 231-298 | SHALE | 678-680 | BLACK SHALE | 1079-1080 | LIME |
| 305 | GAS TEST - NO GAS | 680-706 | LIME | 1080-1092 | SHALE |
| 298-329 | LIME | 706-793 | SHALE | 1080 | GAS TEST - NO GAS |
| 329-330 | SHALE | 793-798 | LIME | 1092-1094 | LIME (V-LIME) |
| 330-331 | LIME | 798-800 | SHALE | 1094-1096 | SHALE |
| 331-388 | SHALE | 800-802 | LIME | 1096-1097 | COAL (CROWBERG) |
| 388-390 | LIME | 802-827 | SHALE | 1105 | GAS TEST - NO GAS |
| 390-416 | SHALE | 806 | GAS TEST - NO GAS | 1097-1150 | SHALE |
| 416-420 | LMY SAND | 827-830 | LIME | 1151-1155 | BLK SHALE (FLEMING) |
| 420-458 | SANDY LIME | 830-832 | SHALE | 1155-1161 | SHALE |
| 458-466 | SANDY SHALE | 832-837 | LMY SHALE | 1161-1163 | BLK SHALE (MINERAL) |
| 466-471 | SHALE | 837-917 | SHALE | 1163-1221 | SHALE |
| 471-484 | SANDY SHALE | 917-919 | LIME | 1221-1241 | SANDY SHALE (BVILLE) |
| 484-485 | COAL | 919-921 | BLK SHALE COAL (MULBERRY) | 1241-1256 | SANDY SHALE/ GOOD ODOR |
| 485-494 | LIME | 921-936 | LIME (PAWNEE) | 1256-1285 | SAND / GOOD ODOR |
| 494-499 | SHALE | 936-940 | BLACK SHALE | 1281 | G.T.- 13.5", 1/4 = 6.10 MCF |
| 499-502 | LMY SAND | 930 | GAS TEST - NO GAS | 1285-1321 | SAND / LIGHT ODOR |
| 500 | GETTING DAMP | 940-951 | LIME | 1285 | PICKED UP SOME H2O |
| 502-526 | SANDY SHALE | 951-974 | BLACK SHALE | 1321-1331 | SANDY SHALE |
| 526-554 | LIME | 974-990 | LIME (OSWEGO) | 1331-1341 | SHALE |

