



9201428

|   |  |                                 |                               |  |
|---|--|---------------------------------|-------------------------------|--|
| Client Name<br>Anadarko Petroleum Corporation | Well Name<br>Brown 16-35                       | Rig<br>Concord Well Servicing 3 | Job Date<br>December 29, 2014 | Call Sheet<br>1052637                    |
| Client Representative<br>Mr. Rigo Cintora     | Surface Well Location<br>SE SE Sec 35:T3N:R66W | Down Hole Well Location         | Job Type<br>Abandonment Plugs | Lead Supervisor<br>Laeger, Kacey (25046) |

**Well Profile**

Well Type: Oil

Maximum Treating Pressure (psi): ---

Predicted Bottom Hole Static Temperature (°F): --- @ ---

Bottom Hole Circulating Temperature (°F): --- @ ---

Bottom Hole Logged Temperature (°F): --- @ ---

**Casing**

| Size  | Weight  | Grade | Collapse Pressure | Internal Yield Pressure | Capacity | I.D.  | O.D.  | Depth From | Depth To |
|-------|---------|-------|-------------------|-------------------------|----------|-------|-------|------------|----------|
| (in)  | (lb/ft) |       | (psi)             | (psi)                   | (bbl)    | (in)  | (in)  | (ft)       | (ft)     |
| 4.500 | 11.600  | J-55  | 4,960.0           | 5,350.0                 | 110.74   | 4.000 | 5.000 | 0.0        | 7,125.0  |

**Tubing**

| Size  | Weight  | Grade | Collapse Pressure | Capacity | I.D.  | O.D.  | Depth From | Depth To  |
|-------|---------|-------|-------------------|----------|-------|-------|------------|-----------|
| (in)  | (lb/ft) |       | (psi)             | (bbl)    | (in)  | (in)  | (ft)       | (ft)      |
| 2.375 | 4.700   | J-55  | 8,100.000         | 27.550   | 1.995 | 2.910 | 0.000      | 7,125.000 |

**Products****Plug 1**

From Depth (ft): 6693

To Depth (ft): 7125

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 25 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 6.7 (bbl)  
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 30 , Slurry Temperature(°F) = 45  
+ 0.3 % of CFR-2 (Preblend),  
+ 0.3 % of ASM-3 (Preblend)

**Plug 2**

From Depth (ft): 4303

To Depth (ft): 4825

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 40 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 8.1 (bbl)  
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 30 , Slurry Temperature(°F) = 45  
+ 0.5 % of CFR-2 (Preblend),  
+ 0.25 % of FMC (Preblend),  
+ 0.5 % of LWA (Preblend),  
+ 0.25 lb/sack of Polyflake (Preblend)

**Fluid & Cement Data**

Expected Cement Top: Depth (ft): 4303

**Wellbore Fluid**

| Fluid Type | Viscosity (cP) | Density (lbs/gal) | Yield Point (psi) | Temperature (°F) | Recorded@          |
|------------|----------------|-------------------|-------------------|------------------|--------------------|
| Water      | --             | --                | --                | --               | Oct 08, 2014 17:28 |



9201428

**Units & Personnel****Units**

| <u>Truck Unit No.</u> | <u>Main Type</u> | <u>Sub Type</u> | <u>Tractor Unit No.</u> | <u>Main Type</u> | <u>Sub Type</u>     | <u>Time On Location</u> | <u>Time Off Location</u> |
|-----------------------|------------------|-----------------|-------------------------|------------------|---------------------|-------------------------|--------------------------|
| 201274                | PICKUP           | 3/4 Ton         |                         |                  |                     | 12/29/2014 07:00        | 12/29/2014 13:40         |
| 740067                | BODY JOB         | C & A           |                         |                  |                     | 12/29/2014 07:00        | 12/29/2014 13:40         |
| 446047                | TRAILER          | Bulker          | 746047                  | TRACTOR          | Tandem -<br>Tractor | 12/29/2014 07:00        | 12/29/2014 13:40         |

**Crew and Bonuses**

| <u>Employee</u>               | <u>Start Shift</u> | <u>End Shift</u> | <u>Second Start Shift</u> | <u>Second End Shift</u> |
|-------------------------------|--------------------|------------------|---------------------------|-------------------------|
| Laeger, Kacey (25046)         | 12/29/2014 07:00   | 12/29/2014 13:40 |                           |                         |
| Schroeder, Stephen<br>(25442) | 12/29/2014 07:00   | 12/29/2014 13:40 |                           |                         |
| Schneider, Patrick<br>(24093) | 12/29/2014 07:00   | 12/29/2014 13:40 |                           |                         |
| Phillips, James (23627)       | 12/29/2014 07:00   | 12/29/2014 13:40 |                           |                         |

**Treatment Reports & Remarks**



### Treatment Reports & Remarks

#### Treatment Report

| Event # | Event Time        | Event Description                     | Fluid Type | Rate<br>(bbl/min) | Tubular Pressure<br>(psi) | Annular Pressure<br>(psi) | Stage Volume<br>(bbl) | Total Volume<br>(bbl) |
|---------|-------------------|---------------------------------------|------------|-------------------|---------------------------|---------------------------|-----------------------|-----------------------|
| 1       | Dec 29,2014 07:00 | Arrive On Location                    |            | --                | --                        | --                        | --                    | 0.00                  |
| 2       | Dec 29,2014 07:05 | Crew Briefing (Rig in)                |            | --                | --                        | --                        | --                    | 0.00                  |
| 3       | Dec 29,2014 08:30 | Rig in Complete                       |            | --                | --                        | --                        | --                    | 0.00                  |
| 4       | Dec 29,2014 10:00 | Crew Briefing (Pre Job)               |            | --                | --                        | --                        | --                    | 0.00                  |
| 5       | Dec 29,2014 10:30 | Start - Fluid                         | Water      | --                | --                        | --                        | --                    | 0.00                  |
| 6       | Dec 29,2014 10:32 | Pressure Test Start                   | Water      | --                | --                        | --                        | --                    | 0.00                  |
| 7       | Dec 29,2014 10:36 | Pressure Test Complete                |            | --                | 2,500.0                   | --                        | --                    | 0.00                  |
|         |                   | Remarks: Lines held good              |            |                   |                           |                           |                       |                       |
| 8       | Dec 29,2014 10:36 | Establish Circulation                 | Water      | 2.50              | 250.0                     | --                        | 2.00                  | 2.00                  |
|         |                   | Remarks: Good circulation             |            |                   |                           |                           |                       |                       |
| 9       | Dec 29,2014 10:47 | Batch Mix                             | Thermal 35 | 1.50              | 150.0                     | --                        | 6.70                  | 8.70                  |
|         |                   | Remarks: 25 sks of thermal 35 at 15.8 |            |                   |                           |                           |                       |                       |
| 10      | Dec 29,2014 10:58 | Start - Fluid                         | Water      | 2.00              | 2.0                       | --                        | --                    | 8.70                  |
|         |                   | Remarks: Start displacement           |            |                   |                           |                           |                       |                       |
| 11      | Dec 29,2014 11:11 | Finish Displacement                   | Water      | 2.00              | 0.0                       | --                        | 26.00                 | 34.70                 |
|         |                   | Remarks: Displace to balance          |            |                   |                           |                           |                       |                       |
| 12      | Dec 29,2014 11:11 | Wait On Instructions                  |            | --                | --                        | --                        | --                    | 34.70                 |
|         |                   | Remarks: Wait on rig to pull tubing   |            |                   |                           |                           |                       |                       |
| 13      | Dec 29,2014 12:05 | Pressure Test                         | Water      | --                | 2,500.0                   | --                        | --                    | 34.70                 |
|         |                   | Remarks: Lines Held good              |            |                   |                           |                           |                       |                       |
| 14      | Dec 29,2014 12:10 | Establish Circulation                 | Water      | 2.50              | 250.0                     | --                        | 2.00                  | 36.70                 |
|         |                   | Remarks: Good circulation             |            |                   |                           |                           |                       |                       |
| 15      | Dec 29,2014 12:15 | Batch Mix                             | 0-1-0 G    | 3.00              | 3.0                       | --                        | 8.10                  | 44.80                 |
|         |                   | Remarks: 40sks of 0-1-0 G at 15.8     |            |                   |                           |                           |                       |                       |
| 16      | Dec 29,2014 12:37 | Start - Fluid                         | Water      | --                | 250.0                     | --                        | --                    | 44.80                 |
|         |                   | Remarks: Start displacement           |            |                   |                           |                           |                       |                       |
| 17      | Dec 29,2014 12:44 | Finish Displacement                   | Water      | 2.50              | 250.0                     | --                        | 17.00                 | 61.80                 |
|         |                   | Remarks: Displace to balance          |            |                   |                           |                           |                       |                       |
| 18      | Dec 29,2014 12:50 | Wash                                  | Water      | --                | --                        | --                        | 20.00                 | 61.80                 |
|         |                   | Remarks: Wash pump unit               |            |                   |                           |                           |                       |                       |
| 19      | Dec 29,2014 13:05 | Tailgate Meeting                      |            | --                | --                        | --                        | --                    | 61.80                 |
|         |                   | Remarks: Revisit JSA                  |            |                   |                           |                           |                       |                       |
| 20      | Dec 29,2014 13:15 | Rig Out                               |            | --                | --                        | --                        | --                    | 61.80                 |
| 21      | Dec 29,2014 13:30 | Job Complete                          |            | --                | --                        | --                        | --                    | 61.80                 |
| 22      | Dec 29,2014 13:30 | Pre-Departure Meeting                 |            | --                | --                        | --                        | --                    | 61.80                 |
| 23      | Dec 29,2014 13:40 | Leave Location                        |            | --                | --                        | --                        | --                    | 61.80                 |



## Pumping Service Report

9201557

|   |  |                                 |                               |  |
|---|--|---------------------------------|-------------------------------|--|
| Client Name<br>Anadarko Petroleum Corporation | Well Name<br>Brown 16-35                       | Rig<br>Concord Well Servicing 3 | Job Date<br>January 06, 2015  | Call Sheet<br>1052950                    |
| Client Representative<br>Mr. Rigo Cintora     | Surface Well Location<br>SE SE Sec 35:T3N:R66W | Down Hole Well Location         | Job Type<br>Abandonment Plugs | Lead Supervisor<br>Hansen, Kevin (27592) |

## Well Profile

Well Type: Oil

Maximum Treating Pressure (psi): ---

Predicted Bottom Hole Static Temperature (°F): --- @ ---

Bottom Hole Circulating Temperature (°F): --- @ ---

Bottom Hole Logged Temperature (°F): --- @ ---

## Open Hole

| Size (in) | Excess (%) | TMD From (ft) | TMD To (ft) | TVD From (ft) | TVD To (ft) |
|-----------|------------|---------------|-------------|---------------|-------------|
| 8.000     | --         | 861.000       | 1,450.000   | --            | --          |

## Casing

| Size  | Weight  | Grade | Collapse Pressure | Internal Yield Pressure | Capacity | I.D. | O.D. | Depth From | Depth To |
|-------|---------|-------|-------------------|-------------------------|----------|------|------|------------|----------|
| (in)  | (lb/ft) |       | (psi)             | (psi)                   | (bbl)    | (in) | (in) | (ft)       | (ft)     |
| 4.500 | 11.000  | ---   | --                | --                      | --       | --   | --   | 1,450.0    | 1,550.0  |

## Tubing

| Size  | Weight  | Grade | Collapse Pressure | Capacity | I.D. | O.D. | Depth From | Depth To  |
|-------|---------|-------|-------------------|----------|------|------|------------|-----------|
| (in)  | (lb/ft) |       | (psi)             | (bbl)    | (in) | (in) | (ft)       | (ft)      |
| 2.375 | 4.700   | ---   | --                | --       | --   | --   | 0.000      | 1,550.000 |

## Products

## Plug 1

From Depth (ft): 807

To Depth (ft): 1550

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 170 Sacks of 0-1-8 G, Density = 14.8 lb/gal, Volume Pumped = 40.3 (bbl)

Water Temperature(°F) = 60, Bulk Temperature(°F) = 60, Slurry Temperature(°F) = 65

+ 1 % of CaCl<sub>2</sub> (Preblend),

+ 0.3 % of CFL-3 (Preblend),

+ 0.3 % of CFR-2 (Preblend),

+ 0.4 % of CDF-4P (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

## Fluid &amp; Cement Data

Expected Cement Top: Depth (ft): 807

## Wellbore Fluid

| Fluid Type | Viscosity (cP) | Density (lbs/gal) | Yield Point (psi) | Temperature (°F) | Recorded@          |
|------------|----------------|-------------------|-------------------|------------------|--------------------|
| Water      | --             | --                | --                | --               | Oct 08, 2014 17:28 |





## Pumping Service Report

9201557

### Units & Personnel

#### Units

| <u>Truck Unit No.</u> | <u>Main Type</u> | <u>Sub Type</u> | <u>Tractor Unit No.</u> | <u>Main Type</u> | <u>Sub Type</u>     | <u>Time On Location</u> | <u>Time Off Location</u> |
|-----------------------|------------------|-----------------|-------------------------|------------------|---------------------|-------------------------|--------------------------|
| 201009                | PICKUP           | 1 Ton           |                         |                  |                     | 01/06/2015 13:00        | 01/06/2015 16:00         |
| 445047                | TRAILER          | SCM Twin        | 745047                  | TRACTOR          | Tandem -<br>Tractor | 01/06/2015 13:00        | 01/06/2015 16:00         |
| 746502                | BODY JOB         | Baby Bulker     |                         |                  |                     | 01/06/2015 13:00        | 01/06/2015 16:00         |

#### Crew and Bonuses

| <u>Employee</u>         | <u>Start Shift</u> | <u>End Shift</u> | <u>Second Start Shift</u> | <u>Second End Shift</u> |
|-------------------------|--------------------|------------------|---------------------------|-------------------------|
| Hansen, Kevin (27592)   | 01/06/2015 13:00   | 01/06/2015 16:00 |                           |                         |
| Cheal, Samuel (28315)   | 01/06/2015 13:00   | 01/06/2015 16:00 |                           |                         |
| Devine, Richard (29733) | 01/06/2015 13:00   | 01/06/2015 16:00 |                           |                         |

**Treatment Reports & Remarks****Treatment Report**

| Event # | Event Time        | Event Description  | Fluid Type | Rate<br>(bbl/min) | Tubular Pressure<br>(psi) | Annular Pressure<br>(psi) | Stage Volume<br>(bbl) | Total Volume<br>(bbl) |
|---------|-------------------|--|------------|-------------------|---------------------------|---------------------------|-----------------------|-----------------------|
| 1       | Jan 06,2015 13:00 | Arrive On Location                                       |            | --                | --                        | --                        | --                    | 0.00                  |
| 2       | Jan 06,2015 13:10 | Tailgate Meeting   |            | --                | --                        | --                        | --                    | 0.00                  |
|         |                   | Remarks: Discussed spotting of trucks and filled out JSA |            |                   |                           |                           |                       |                       |
| 3       | Jan 06,2015 13:25 | Crew Briefing (Rig in)                                   |            | --                | --                        | --                        | --                    | 0.00                  |
| 4       | Jan 06,2015 13:55 | Rig in Complete  |            | --                | --                        | --                        | --                    | 0.00                  |
| 5       | Jan 06,2015 14:00 | Crew Briefing (Pre Job)                                  |            | --                | --                        | --                        | --                    | 0.00                  |
|         |                   | Remarks: Discussed job and safety concerns with rig crew |            |                   |                           |                           |                       |                       |
| 6       | Jan 06,2015 14:10 | Sign-off on Safety                                       |            | --                | --                        | --                        | --                    | 0.00                  |
|         |                   | Remarks: Signed our JSA and the rigs JSA                 |            |                   |                           |                           |                       |                       |
| 7       | Jan 06,2015 14:23 | Pressure Test Start                                      | Water      | 2.00              | 100.0                     | --                        | 2.00                  | 2.00                  |
|         |                   | Remarks: Filled lines for pressure test                  |            |                   |                           |                           |                       |                       |
| 8       | Jan 06,2015 14:26 | Pressure Test Complete                                   |            | --                | 1,500.0                   | --                        | --                    | 2.00                  |
| 9       | Jan 06,2015 14:27 | Establish Circulation                                    | Water      | 2.00              | 200.0                     | --                        | 2.00                  | 4.00                  |
| 10      | Jan 06,2015 14:45 | Mix Cement   | 0-1-8 G    | 2.00              | 200.0                     | --                        | 40.30                 | 44.30                 |
|         |                   | Remarks: D-14.8  |            |                   |                           |                           |                       |                       |
| 11      | Jan 06,2015 15:06 | Displace Fluid   | Water      | 2.00              | 200.0                     | --                        | 3.00                  | 47.30                 |
| 12      | Jan 06,2015 15:15 | Wash   |            | --                | --                        | --                        | --                    | 47.30                 |
| 13      | Jan 06,2015 15:45 | Rig Out  |            | --                | --                        | --                        | --                    | 47.30                 |
| 14      | Jan 06,2015 15:50 | Job Complete   |            | --                | --                        | --                        | --                    | 47.30                 |
| 15      | Jan 06,2015 15:55 | Pre-Departure Meeting                                    |            | --                | --                        | --                        | --                    | 47.30                 |
|         |                   | Remarks: Discussed journey management                    |            |                   |                           |                           |                       |                       |
| 16      | Jan 06,2015 16:00 | Leave Location   |            | --                | --                        | --                        | --                    | 47.30                 |

Did Float Hold: Not Applicable

Fluid Returns : Not Expected

Type :

Volume (bbl) :

Temperature (°F) : --

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

**Material Transfer Sheet Number**Material Transfer Sheet Number

55385