



# Cementing Service Report

9211417

|   |  |                         |                                   |  |
|---|--|-------------------------|-----------------------------------|--|
| Client Name<br>Anadarko Petroleum Corporation | Well Name<br><u>Everist 22-10</u>              | Rig<br>Basic 1524       | Job Date<br><u>April 07, 2016</u> | Call Sheet<br>1065911                        |
| Client Representative<br>Mr. Nick Lang        | Surface Well Location<br>SW SW Sec 10:T2N:R68W | Down Hole Well Location | Job Type<br>Bradenhead Squeeze    | Lead Supervisor<br>Prigmore, Dominic (27161) |

## 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) |
|-----------|-----------|------------|---------------|-------------|---------------|-------------|
|           | 10.500    | --         | 775.000       | 1,172.000   | 775.000       | 1,172.000   |

| Casing | Size (in) | Weight (lb/ft) | Grade | Collapse Pressure (psi) | Internal Yield Pressure (psi) | Capacity (bbl) | I.D. (in) | O.D. (in) | Depth From (ft) | Depth To (ft) |
|--------|-----------|----------------|-------|-------------------------|-------------------------------|----------------|-----------|-----------|-----------------|---------------|
|        | 8.625     | 24.000         | J-55  | 1,370.0                 | 2,950.0                       | 49.36          | 8.097     | 9.625     | 0.0             | 775.0         |
|        | 4.500     | 11.600         | J-55  | 4,960.0                 | 5,350.0                       | 18.22          | 4.000     | 5.000     | 0.0             | 1,172.0       |

| Tubing | Size (in) | Weight (lb/ft) | Grade | Collapse Pressure (psi) | Capacity (bbl) | I.D. (in) | O.D. (in) | Depth From (ft) | Depth To (ft)    |
|--------|-----------|----------------|-------|-------------------------|----------------|-----------|-----------|-----------------|------------------|
|        | 1.660     | 2.400          | J-55  | 8,490.000               | 2.170          | 1.380     | 2.200     | 0.000           | <u>1,172.000</u> |

## Products

|  |                |
|--|----------------|
| <b>Plug 1</b>  |                |
| From Depth (ft):   | 479            |
| To Depth (ft):   | 1172           |
| Plug Type :  | Well Stability |
| Acids/Blends/Fluids :  |                |
| Tail: 155 Sacks of Control Set C, Density = 13.5 lb/gal, Volume Pumped = 48.4 (bbl)  |                |
| Water Temperature(°F) = 60 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 59 |                |
| + 2 % of CaCl2 (Preblend),   |                |
| + 2 % of SMS (Preblend),   |                |
| + 2 % of Gypsum (Preblend),  |                |
| + 0.25 lb/sack of LCL-7 (Preblend)   |                |

## Fluid & Cement Data

|                       |                 |                   |                   |                  |                    |
|-----------------------|-----------------|-------------------|-------------------|------------------|--------------------|
| Expected Cement Top:  | Depth (ft): 479 |                   |                   |                  |                    |
| <b>Wellbore Fluid</b> |                 |                   |                   |                  |                    |
| Fluid Type            | Viscosity (cP)  | Density (lbs/gal) | Yield Point (psi) | Temperature (°F) | Recorded@          |
| Water Based Mud       | --              | --                | --                | --               | Feb 25, 2016 13:02 |



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| Units & Personnel         |                    |                  |                           |                         |                  |                         |                          |
|---------------------------|--------------------|------------------|---------------------------|-------------------------|------------------|-------------------------|--------------------------|
| <b>Units</b>              |                    |                  |                           |                         |                  |                         |                          |
| <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> |
| 201191                    | PICKUP             | 1 Ton            | 449084                    | TRAILER                 | Utility Trailer  | 04/07/2016 08:00        | 04/07/2016 11:30         |
| 445052                    | TRAILER            | SCM Twin         | 745052                    | TRACTOR                 | Tandem - Tractor | 04/07/2016 08:00        | 04/07/2016 11:30         |
| 746502                    | BODY JOB           | Baby Bulker      |                           |                         |                  | 04/07/2016 08:00        | 04/07/2016 11:30         |
| <b>Crew and Bonuses</b>   |                    |                  |                           |                         |                  |                         |                          |
| <u>Employee</u>           | <u>Start Shift</u> | <u>End Shift</u> | <u>Second Start Shift</u> | <u>Second End Shift</u> |                  |                         |                          |
| Prigmore, Dominic (27161) | 04/07/2016 08:00   | 04/07/2016 11:30 |                           |                         |                  |                         |                          |
| Hansen, Ted (29055)       | 04/07/2016 08:00   | 04/07/2016 11:30 |                           |                         |                  |                         |                          |
| Pyfer, Kevin (29802)      | 04/07/2016 08:00   | 04/07/2016 11:30 |                           |                         |                  |                         |                          |



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**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       | Apr 07,2016 08:00 | Arrive On Location           |                  | --                | --                        | --                        | --                    | 0.00                  |
| 2       | Apr 07,2016 08:12 | Crew Briefing (Rig in)       |                  | --                | --                        | --                        | --                    | 0.00                  |
| 3       | Apr 07,2016 09:15 | Rig in Complete              |                  | --                | --                        | --                        | --                    | 0.00                  |
| 4       | Apr 07,2016 09:45 | Crew Briefing (Pre Job)      |                  | --                | --                        | --                        | --                    | 0.00                  |
| 5       | Apr 07,2016 10:17 | Pressure Test Start          |                  | --                | 3,200.0                   | --                        | --                    | 0.00                  |
| 6       | Apr 07,2016 10:18 | Pressure Test Complete       |                  | --                | 3,200.0                   | --                        | --                    | 0.00                  |
|         |                   | Remarks: Good P.T / PSI Held |                  |                   |                           |                           |                       |                       |
| 7       | Apr 07,2016 10:18 | Establish Circulation        |                  | 2.00              | 500.0                     | --                        | 5.00                  | 5.00                  |
|         |                   | Remarks: Circulation present |                  |                   |                           |                           |                       |                       |
| 8       | Apr 07,2016 10:21 | Pump Preflush                |                  | 2.00              | 500.0                     | --                        | 20.00                 | 25.00                 |
|         |                   | Remarks: Pre-flush SMS       |                  |                   |                           |                           |                       |                       |
| 9       | Apr 07,2016 10:29 | Pump Spacer                  |                  | 2.00              | 500.0                     | --                        | 5.00                  | 30.00                 |
|         |                   | Remarks: Fresh water spacer. |                  |                   |                           |                           |                       |                       |
| 10      | Apr 07,2016 10:37 | Mix Cement                   | Control Set<br>C | 2.00              | 750.0                     | --                        | 48.40                 | 78.40                 |
|         |                   | Remarks: T.O.C 479'          |                  |                   |                           |                           |                       |                       |
| 11      | Apr 07,2016 10:53 | Displace Fluid               |                  | 2.00              | 650.0                     | --                        | 1.00                  | 79.40                 |
| 12      | Apr 07,2016 11:15 | Job Complete                 |                  | --                | --                        | --                        | --                    | 79.40                 |
| 13      | Apr 07,2016 11:30 | Leave Location               |                  | --                | --                        | --                        | --                    | 79.40                 |

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

67203