



Cementing Service Report

9209947

| | | | | |
|---|--|-------------------------|-------------------------------|--|
| Client Name Anadarko Petroleum Corporation | Well Name Magness Land 15-26 | Rig Basic 1662 | Job Date February 10, 2016 | Call Sheet 1064847 |
| Client Representative Mr. Sam Sloan | Surface Well Location SW SE Sec 26:T3N:R67W | Down Hole Well Location | Job Type Abandonment Plugs | Lead Supervisor 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): | --- @ -- |

Open Hole

| Size (in) | Excess (%) | TMD From (ft) | TMD To (ft) | TVD From (ft) | TVD To (ft) |
|-----------|------------|---------------|-------------|---------------|-------------|
| 10.000 | -- | 843.000 | 8,000.000 | -- | -- |

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 | 11.600 | J-55 | 4,960.0 | 5,350.0 | 124.34 | 4.000 | 5.000 | 0.0 | 8,000.0 |
| 8.625 | 24.000 | J-55 | 1,370.0 | 2,950.0 | 53.69 | 8.097 | 9.625 | 0.0 | 843.0 |

Tubing

| Size | Weight | Grade | Collapse Pressure | Capacity | I.D. | O.D. | Depth From | Depth To |
|-------|---------|-------|-------------------|----------|-------|-------|------------|-----------|
| (in) | (lb/ft) | | (psi) | (bbl) | (in) | (in) | (ft) | (ft) |
| 1.660 | 2.330 | J-55 | 8,490.000 | 2.120 | 1.380 | 1.880 | 0.000 | 1,146.000 |

Products

Plug 1

From Depth (ft): 743

To Depth (ft): 1146

Plug Type : Well Stability

Acids/Blends/Fluids :

Plug: 110 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 26 (bbl)

Water Temperature(°F) = 45 , Bulk Temperature(°F) = 25 , Slurry Temperature(°F) = 40

+ 0.5 % of CaCl₂ (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 & Cement Data

Expected Cement Top: Depth (ft): 743

Wellbore Fluid

| Fluid Type | Viscosity (cP) | Density (lbs/gal) | Yield Point (psi) | Temperature (°F) | Recorded@ |
|------------|----------------|-------------------|-------------------|------------------|--------------------|
| Water | -- | -- | -- | -- | Apr 08, 2015 17:07 |



9209947

| 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 | 449086 | TRAILER | Utility Trailer | 02/10/2016 08:20 | 02/10/2016 10:30 |
| 445070 | TRAILER | SCM Twin | 745070 | TRACTOR | Tandem - Tractor | 02/10/2016 08:20 | 02/10/2016 10:30 |
| 746502 | BODY JOB | Baby Bulker | | | | 02/10/2016 08:20 | 02/10/2016 10:30 |
| 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) | 02/10/2016 08:20 | 02/10/2016 10:30 | | | | | |
| Cheal, Samuel (28315) | 02/10/2016 08:20 | 02/10/2016 10:30 | | | | | |
| McGinness, Matthew (30710) | 02/10/2016 08:20 | 02/10/2016 10:30 | | | | | |



| Treatment Reports & Remarks | | | | | | | | | |
|---|-------------------|---|----------------|-------------------|---------------------------|---------------------------|-----------------------|-----------------------|--|
| Treatment Report | | | | | | | | | |
| Event # | Event Time | Event Description | Fluid Type | Rate (bbl/min) | Tubular Pressure (psi) | Annular Pressure (psi) | Stage Volume (bbl) | Total Volume (bbl) | |
| 1 | Feb 10,2016 08:20 | Arrive On Location | | -- | -- | -- | -- | 0.00 | |
| | | Remarks: 40mins early to location | | | | | | | |
| 2 | Feb 10,2016 08:25 | Crew Briefing (Rig in) | | -- | -- | -- | -- | 0.00 | |
| | | Remarks: Held | | | | | | | |
| 3 | Feb 10,2016 08:50 | Rig in Complete | | -- | -- | -- | -- | 0.00 | |
| 4 | Feb 10,2016 08:55 | Crew Briefing (Pre Job) | | -- | -- | -- | -- | 0.00 | |
| | | Remarks: Held | | | | | | | |
| 5 | Feb 10,2016 09:11 | Pressure Test Start | Water | 1.00 | 150.0 | -- | 1.00 | 1.00 | |
| | | Remarks: Filled lines | | | | | | | |
| 6 | Feb 10,2016 09:14 | Pressure Test Complete | Water | -- | 2,500.0 | -- | -- | 1.00 | |
| | | Remarks: Lines held good | | | | | | | |
| 7 | Feb 10,2016 09:15 | Establish Circulation | Water | 1.70 | 300.0 | -- | 10.00 | 11.00 | |
| | | Remarks: Good circulation | | | | | | | |
| 8 | Feb 10,2016 09:19 | Mix Cement | 0:1:0 Type III | 1.80 | 550.0 | -- | 28.00 | 39.00 | |
| | | Remarks: 110sks of TypeIII at 14.8 lb/gal | | | | | | | |
| 9 | Feb 10,2016 09:36 | Displace Fluid | Water | 1.80 | 550.0 | -- | 1.00 | 40.00 | |
| | | Remarks: Displace to balance | | | | | | | |
| 10 | Feb 10,2016 09:37 | Finish Displacement | Water | -- | -- | -- | -- | 40.00 | |
| 11 | Feb 10,2016 09:40 | Wash | Water | -- | -- | -- | -- | 40.00 | |
| | | Remarks: Wash pump unit | | | | | | | |
| 12 | Feb 10,2016 10:05 | Rig Out | | -- | -- | -- | -- | 40.00 | |
| 13 | Feb 10,2016 10:25 | Job Complete | | -- | -- | -- | -- | 40.00 | |
| 14 | Feb 10,2016 10:30 | Leave Location | | -- | -- | -- | -- | 40.00 | |
| 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 | | | | | | | | | |
| 64625 | | | | | | | | | |
| 64624 | | | | | | | | | |