



Pumping Service Report

9203674

| | | | | |
|---|--|-------------------------|-------------------------------|--|
| Client Name Anadarko Petroleum Corporation | Well Name HSR Melvin Camp 11 - 31 | Rig ECWS 7 | Job Date April 02, 2015 | Call Sheet 1057030 |
| Client Representative Mr. Dave Donoho | Surface Well Location NE SW Sec 31:T3N:R65W | Down Hole Well Location | Job Type Abandonment Plugs | Lead Supervisor Contreras, Bennie (23469) |



Pumping Service Report

9203674

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): --- @ --

Tubing

| Size (in) | Weight (lb/ft) | Grade | Collapse Pressure (psi) | Capacity (bbl) | I.D. (in) | O.D. (in) | Depth From (ft) | Depth To (ft) |
|--------------|-------------------|-------|----------------------------|-------------------|--------------|--------------|--------------------|------------------|
| 2.875 | 6.500 | | -- | -- | -- | -- | 0.000 | 7,100.000 |
| 1.660 | 2.330 | | -- | -- | -- | -- | 0.000 | 7,040.000 |

Products

Plug 1

From Depth (ft): 6108

To Depth (ft): 7040

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 20 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 5.4 (bbl)

Water Temperature(°F) = 50 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 72

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of ASM-3 (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 6000

Wellbore Fluid

| Fluid Type | Viscosity (cP) | Density (lbs/gal) | Yield Point (psi) | Temperature (°F) | Recorded@ |
|------------|----------------|-------------------|-------------------|------------------|--------------------|
| Water | -- | -- | -- | -- | Mar 27, 2015 07:11 |

Units & Personnel

Units

| Truck Unit No. | Main Type | Sub Type | Tractor Unit No. | Main Type | Sub Type | Time On Location | Time Off Location |
|----------------|-----------|----------|------------------|-----------|------------------|------------------|-------------------|
| 201025 | PICKUP | 1 Ton | | | | 04/02/2015 07:39 | 04/02/2015 10:55 |
| 740067 | BODY JOB | C & A | | | | 04/02/2015 07:39 | 04/02/2015 10:55 |
| 446047 | TRAILER | Bulker | 746047 | TRACTOR | Tandem - Tractor | 04/02/2015 07:39 | 04/02/2015 10:55 |
| 200910 | PICKUP | 1/2 Ton | | | | 04/02/2015 07:39 | 04/02/2015 10:55 |

Crew and Bonuses

| Employee | Start Shift | End Shift | Second Start Shift | Second End Shift |
|---------------------------|------------------|------------------|--------------------|------------------|
| Contreras, Bennie (23469) | 04/02/2015 08:30 | 04/02/2015 10:55 | | |
| Davila, Israel (28152) | 04/02/2015 08:30 | 04/02/2015 10:55 | | |
| Molina, Alejandro (29922) | 04/02/2015 08:30 | 04/02/2015 10:55 | | |
| Spirek, Matthew (26921) | 04/02/2015 08:30 | 04/02/2015 10:55 | | |

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

| <u>Event #</u> | <u>Event Time</u> | <u>Event Description</u> | <u>Fluid Type</u> | <u>Rate</u> (bbl/min) | <u>Tubular Pressure</u> (psi) | <u>Annular Pressure</u> (psi) | <u>Stage Volume</u> (bbl) | <u>Total Volume</u> (bbl) |
|----------------|-------------------|--|-------------------|--------------------------|----------------------------------|----------------------------------|------------------------------|------------------------------|
| 1 | Apr 02,2015 08:30 | Arrive On Location | | -- | -- | -- | -- | 0.00 |
| 2 | Apr 02,2015 08:45 | Crew Briefing (Rig in) | | -- | -- | -- | -- | 0.00 |
| 3 | Apr 02,2015 09:15 | Rig in Complete | | -- | -- | -- | -- | 0.00 |
| 4 | Apr 02,2015 09:18 | Crew Briefing (Pre Job) | | -- | -- | -- | -- | 0.00 |
| 5 | Apr 02,2015 09:38 | Pressure Test Start | Water | 1.00 | 3,400.0 | -- | 1.00 | 0.00 |
| 6 | Apr 02,2015 09:39 | Pressure Test Complete | Water | -- | 3,400.0 | -- | -- | 0.00 |
| | | Remarks: pressure test GOOD | | | | | | |
| 7 | Apr 02,2015 09:43 | Establish Circulation | Water | 1.00 | 200.0 | -- | 3.00 | 0.00 |
| 8 | Apr 02,2015 09:45 | Batch Mix | Thermal 35 | 6.00 | -- | -- | -- | 0.00 |
| | | Remarks: Denso and Mud Scale @ 15.8ppg | | | | | | |
| 9 | Apr 02,2015 10:01 | Pump | Thermal 35 | 1.00 | 1,200.0 | -- | 5.40 | 0.00 |
| | | Remarks: high pressure determined rate of 1bpm | | | | | | |
| 10 | Apr 02,2015 10:07 | Pump Displacement | Water | 1.00 | 1,400.0 | -- | 11.00 | 0.00 |
| | | Remarks: pumped to balance | | | | | | |
| 11 | Apr 02,2015 10:35 | Rig Out | | -- | -- | -- | -- | 0.00 |
| 12 | Apr 02,2015 10:55 | Job Complete | | -- | -- | -- | -- | 0.00 |
| 13 | Apr 02,2015 11:00 | Leave Location | | -- | -- | -- | -- | 0.00 |

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 NumberMaterial Transfer Sheet Number

57016

57017



Pumping Service Report

9206026

| | | | | |
|---|--|-------------------------|-------------------------------|--|
| Client Name Anadarko Petroleum Corporation | Well Name HSR Melvin Camp 11 - 31 | Rig ECWS 7 | Job Date April 06,2015 | Call Sheet 1057084 |
| Client Representative Mr. Dave Donoho | Surface Well Location NE SW Sec 31:T3N:R65W | Down Hole Well Location | Job Type Abandonment Plugs | Lead Supervisor Contreras, Bennie (23469) |

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): | --- @ -- |

| 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) |
| 8.625 | 24.000 | J-55 | 1,370.0 | 2,950.0 | 47.19 | 8.097 | 9.625 | 0.0 | 741.0 |
| 4.500 | 11.600 | J-55 | 4,960.0 | 5,350.0 | 73.20 | 4.000 | 5.000 | 0.0 | 4,710.0 |

| Size | Weight | Grade | Collapse Pressure | Capacity | I.D. | O.D. | Depth From | Depth To |
|-------|---------|-------|-------------------|----------|-------|-------|------------|-----------|
| (in) | (lb/ft) | | (psi) | (bbl) | (in) | (in) | (ft) | (ft) |
| 2.875 | 6.500 | J-55 | 7,680.000 | 24.080 | 2.441 | 3.668 | 0.000 | 4,160.000 |

Products

Plug 1

From Depth (ft): 4160

To Depth (ft): 4710

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 250 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 51.2 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 74

+ 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: --

Wellbore Fluid

| Fluid Type | Viscosity (cP) | Density (lbs/gal) | Yield Point (psi) | Temperature (°F) | Recorded@ |
|------------|----------------|-------------------|-------------------|------------------|--------------------|
| Water | -- | -- | -- | -- | Mar 27, 2015 07:11 |

Attachment & Tools

Tubular Plugs

| Tubular Plug Type | Size (in) | Supplier |
|-------------------|-----------|----------|
| Rubber Top | 2.875 | Sanjel |



Pumping Service Report

9206026

| 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> |
| 201025 | PICKUP | 1 Ton | | | | 04/06/2015 09:00 | 04/06/2015 15:30 |
| 740082 | BODY JOB | C & A | | | | 04/06/2015 09:00 | 04/06/2015 15:30 |
| 446145 | TRAILER | Bulker | 746089 | TRACTOR | Tandem - Tractor | 04/06/2015 09:00 | 04/06/2015 15:30 |
| Crew and Bonuses | | | | | | | |
| <u>Employee</u> | <u>Start Shift</u> | <u>End Shift</u> | <u>Second Start Shift</u> | <u>Second End Shift</u> | | | |
| Contreras, Bennie (23469) | 04/06/2015 09:00 | 04/06/2015 15:30 | | | | | |
| Barden, Sean (27711) | 04/06/2015 09:00 | 04/06/2015 15:30 | | | | | |
| Johnson, Jakob (30073) | 04/06/2015 09:00 | 04/06/2015 15:30 | | | | | |



Pumping Service Report

9206026

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 | Apr 06,2015 09:00 | Arrive On Location | | -- | -- | -- | -- | 0.00 |
| | | Remarks: Arrived. | | | | | | |
| 2 | Apr 06,2015 09:20 | Crew Briefing (Rig in) | | -- | -- | -- | -- | 0.00 |
| | | Remarks: Muster, 911 caller, Nearest med., Amb. and driver, Location safety equipt., Job scope. | | | | | | |
| 3 | Apr 06,2015 12:45 | Rig in Complete | | -- | -- | -- | -- | 0.00 |
| | | Remarks: Rig in complete. | | | | | | |
| 4 | Apr 06,2015 13:00 | Crew Briefing (Pre Job) | | -- | -- | -- | -- | 0.00 |
| | | Remarks: Muster, 911 caller, Nearest med., Amb. and driver, Location safety equipt., Job scope. | | | | | | |
| 5 | Apr 06,2015 13:27 | Pressure Test Start | Water | -- | 3,300.0 | -- | -- | 0.00 |
| | | Remarks: Pressure test 3300 psi. | | | | | | |
| 6 | Apr 06,2015 13:29 | Pressure Test Complete | | -- | -- | -- | -- | 0.00 |
| | | Remarks: Test complete. | | | | | | |
| 7 | Apr 06,2015 13:30 | Pump Preflush | Water | 2.50 | 1,100.0 | -- | 20.00 | 20.00 |
| | | Remarks: 20 BBLs of SMS. | | | | | | |
| 8 | Apr 06,2015 13:38 | Pump Spacer | Water | 2.50 | 1,000.0 | -- | 5.00 | 25.00 |
| | | Remarks: 5 BBLs of fresh water spacer. | | | | | | |
| 9 | Apr 06,2015 13:40 | Mix Cement | 0-1-0 G | 2.50 | 700.0 | -- | 51.20 | 76.20 |
| | | Remarks: 51.2 BBLs of cement @ 15.8 lb/gal. | | | | | | |
| 10 | Apr 06,2015 14:04 | Stop | | -- | -- | -- | -- | 76.20 |
| | | Remarks: Stop and drop plug. | | | | | | |
| 11 | Apr 06,2015 14:06 | Displace Fluid | Water | 2.50 | 1,500.0 | -- | 24.00 | 100.20 |
| | | Remarks: Displace 24 BBLs of water. | | | | | | |
| 12 | Apr 06,2015 15:10 | Rig Out | | -- | -- | -- | -- | 100.20 |
| | | Remarks: Rig out. | | | | | | |
| 13 | Apr 06,2015 15:20 | Job Complete | | -- | -- | -- | -- | 100.20 |
| | | Remarks: Job complete. | | | | | | |
| 14 | Apr 06,2015 15:30 | Leave Location | | -- | -- | -- | -- | 100.20 |
| | | Remarks: Leave. | | | | | | |

Did Float Hold: Not Applicable

Fluid Returns : No

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

57020

57021



Pumping Service Report

9203740

| | | | | |
|---|--|-------------------------|-------------------------------|--|
| Client Name Anadarko Petroleum Corporation | Well Name HSR Melvin Camp 11 - 31 | Rig ECWS 7 | Job Date April 07,2015 | Call Sheet 1057096 |
| Client Representative Mr. Dave Donoho | Surface Well Location NE SW Sec 31:T3N:R65W | Down Hole Well Location | Job Type Abandonment Plugs | Lead Supervisor Ripka, Robert (23825) |

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) |
|-----------|------------|---------------|-------------|---------------|-------------|
| 9.000 | -- | 741.000 | 1,345.000 | -- | -- |

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) |
| 8.625 | 24.000 | | -- | -- | -- | -- | -- | 0.0 | 741.0 |

Tubing

| Size | Weight | Grade | Collapse Pressure | Capacity | I.D. | O.D. | Depth From | Depth To |
|-------|---------|-------|-------------------|----------|------|------|------------|-----------|
| (in) | (lb/ft) | | (psi) | (bbl) | (in) | (in) | (ft) | (ft) |
| 2.875 | 6.500 | | -- | -- | -- | -- | 0.000 | 1,345.000 |

Products

Plug 1

From Depth (ft): 1345

To Depth (ft): 443

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 300 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 71 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 67

+ 0.5 % of CaCl₂ (Preblend),

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

+ 0.25 lb/sack of Polyflake (Preblend),

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of CFL-3 (Preblend)

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

| Fluid Type | Viscosity (cP) | Density (lbs/gal) | Yield Point (psi) | Temperature (°F) | Recorded@ |
|------------|----------------|-------------------|-------------------|------------------|--------------------|
| Water | -- | -- | -- | -- | Mar 27, 2015 07:11 |



Pumping Service Report

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| 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 | 04/07/2015 10:00 | 04/07/2015 16:40 |
| 445070 | TRAILER | SCM Twin | 745070 | TRACTOR | Tandem - Tractor | 04/07/2015 10:00 | 04/07/2015 16:40 |
| 446171 | TRAILER | Bulker | 746089 | TRACTOR | Tandem - Tractor | 04/07/2015 10:00 | 04/07/2015 16:40 |
| Crew and Bonuses | | | | | | | |
| <u>Employee</u> | <u>Start Shift</u> | | <u>End Shift</u> | <u>Second Start Shift</u> | | <u>Second End Shift</u> | |
| Ripka, Robert (23825) | 04/07/2015 10:00 | | 04/07/2015 16:40 | | | | |
| Cox, Brandon (27419) | 04/07/2015 10:00 | | 04/07/2015 16:40 | | | | |
| Meisner, Jeremy (27681) | 04/07/2015 10:00 | | 04/07/2015 16:40 | | | | |
| Hilt, Brandon (30128) | 04/07/2015 10:00 | | 04/07/2015 16:40 | | | | |



Pumping Service Report

9203740

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 | Apr 07,2015 10:00 | Arrive On Location | | -- | -- | -- | -- | 0.00 |
| 2 | Apr 07,2015 10:17 | Crew Briefing (Rig in) | | -- | -- | -- | -- | 0.00 |
| 3 | Apr 07,2015 14:41 | Rig in Complete | | -- | -- | -- | -- | 0.00 |
| 4 | Apr 07,2015 14:48 | Crew Briefing (Pre Job) | | -- | -- | -- | -- | 0.00 |
| 5 | Apr 07,2015 15:02 | Pressure Test Start | | -- | 3,000.0 | -- | -- | 0.00 |
| 6 | Apr 07,2015 15:04 | Pressure Test Complete | | -- | -- | -- | -- | 0.00 |
| 7 | Apr 07,2015 15:06 | Pump Preflush | Water | 2.00 | 300.0 | -- | 5.00 | 5.00 |
| 8 | Apr 07,2015 15:10 | Pump Preflush | Water | 3.00 | 200.0 | -- | 10.00 | 15.00 |
| | | Remarks: + SAPP | | | | | | |
| 9 | Apr 07,2015 15:16 | Pump Spacer | Water | 2.50 | 200.0 | -- | 5.00 | 20.00 |
| 10 | Apr 07,2015 15:22 | Mix Cement | 0:1:0 Type III | 3.00 | 400.0 | -- | 71.00 | 91.00 |
| | | Remarks: 300 SKS | | | | | | |
| 11 | Apr 07,2015 15:48 | Displace Fluid | Water | 1.50 | 200.0 | -- | 2.40 | 93.40 |
| 12 | Apr 07,2015 16:10 | Rig Out | | -- | -- | -- | -- | 93.40 |
| 13 | Apr 07,2015 16:30 | Job Complete | | -- | -- | -- | -- | 93.40 |
| 14 | Apr 07,2015 16:40 | Leave Location | | -- | -- | -- | -- | 93.40 |

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Mud

Volume (bbl) : 90

Temperature (°F) : 67

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

57233

57234