

**ANADARKO PETROLEUM CORP - EBUS
DO NOT MAIL - PO BOX 4995
THE WOODLANDS, Texas**

Boyd 1N-32HZ

MAJORS 42

Post Job Summary

Cement Surface Casing

Date Prepared: 10/9/2013
Version: 1

Service Supervisor: BULINSKI, MATTHEW

Submitted by: GROVES, COREY

HALLIBURTON

HALLIBURTON

Wellbore Geometry

| Job Tubulars | | | | | MD | | Shoe Joint Length ft |
|-------------------|---------------------------|---------|--------|-----------|--------|-----------|----------------------|
| Type | Description | Size in | ID in | Wt lbm/ft | Top ft | Bottom ft | |
| Casing | 9 5/8" Surface Casing | 9.63 | 8.921 | 36.00 | 0.00 | 1,043.00 | 42.00 |
| Open Hole Section | 13 1/2" Open Hole Section | | 13.500 | | 0.00 | 1,086.00 | 0.00 |

HALLIBURTON

Pumping Schedule

| Stage /Plug # | Fluid # | Fluid Type | Fluid Name | Surface Density lbm/gal | Avg Rate bbl/min | Surface Volume | Downhole Volume |
|----------------------|----------------|-------------------|--------------------|--------------------------------|-------------------------|-----------------------|------------------------|
| 1 | 1 | Spacer | Fresh Water Spacer | 8.33 | 3.00 | 20.0 bbl | 20.0 bbl |
| 1 | 2 | Spacer | Mud Flush | 8.40 | 3.00 | 12.0 bbl | 12.0 bbl |
| 1 | 3 | Cement Slurry | SwiftCem B2 | 14.20 | 5.00 | 390.0 sacks | 390.0 sacks |

HALLIBURTON

Service Supervisor Reports

Job Log

| Date/Time | Chart # | Activity Code | Pump Rate | Cum Vol | Pressure (psig) | Comments |
|------------------|---------|--|-----------|---------|-----------------|---|
| 10/02/2013 00:00 | | Arrive at Location from Service Center | | | | Arrived on Time and rig is running Csg |
| 10/02/2013 00:10 | | Assessment Of Location Safety Meeting | | | | Hazard Hunt on location before spotting in trucks |
| 10/02/2013 00:15 | | Safety Meeting - Pre Rig-Up | | | | JSA on Rigging up Bulk trucks and Iron to rig |
| 10/02/2013 00:20 | | Rig-Up Equipment | | | | |
| 10/02/2013 00:45 | | Rig-Up Completed | | | | |
| 10/02/2013 02:00 | | Safety Meeting - Pre Job | | | | JSA with company man, rig hands, and HES hands |
| 10/02/2013 02:14 | | Start Job | | | | |
| 10/02/2013 02:17 | | Test Lines | | | | 3000psi Pressure Test Lines to Rig floor |
| 10/02/2013 02:23 | | Pump Spacer 1 | 2 | 10 | 67.0 | 10bbls H2O spacer |
| 10/02/2013 02:27 | | Pump Spacer 2 | 3 | 12 | 88.0 | 12bbls Mud flush spacer |
| 10/02/2013 02:31 | | Pump Spacer 1 | 4 | 10 | 88.0 | 10bbls H2O spacer |
| 10/02/2013 02:35 | | Pump Cement | 5 | 106.9 | 200.0 | 390sks Swiftcem, 14.2ppg, 1.54yield, 7.66gal/sk, Mixed with rig water and # verify by pressurized mud scales 3x's |
| 10/02/2013 02:58 | | Shutdown | | | | |
| 10/02/2013 03:02 | | Drop Top Plug | | | | Disconnect quick latch and drop plug |
| 10/02/2013 03:02 | | Pump Displacement | 5 | 80.2 | 340.0 | H2O Displacement, Good returns throughout... 8bbls Cmt to Surface |
| 10/02/2013 03:26 | | Bump Plug | 3 | | 989.0 | Slowed down last 20bbls to 3bbl/min to bump... Plug landed at 410psi and brought to 989psi for 5mins |
| 10/02/2013 03:32 | | End Job | | | | |
| 10/02/2013 03:32 | | Check Floats | | | | Floats Held |
| 10/02/2013 03:46 | | Safety Meeting - Pre Rig-Down | | | | JSA on rigging down bulk trucks and iron from rig |
| 10/02/2013 03:46 | | Rig-Down Equipment | | | | |
| 10/02/2013 03:46 | | Rig-Down Completed | | | | |
| 10/02/2013 03:46 | | Safety Meeting - Departing Location | | | | JSA on pre-tripping trucks and driving back to Brighton yard |

The Road to Excellence Starts with Safety

| | | | | | | | |
|---|--|---------------------------|---|--|--------------------------------|------------------------------------|--|
| Sold To #: 300466 | | Ship To #: 3108947 | | Quote #: | | Sales Order #: 900792841 | |
| Customer: ANADARKO PETROLEUM CORP - EBUS | | | | Customer Rep: Hersh, Larry | | | |
| Well Name: Boyd | | | Well #: 1N-32HZ | | API/UWI #: 05-123-37723 | | |
| Field: WATTENBERG | | City (SAP): HUDSON | | County/Parish: Weld | | State: Colorado | |
| Contractor: MAJORS | | | Rig/Platform Name/Num: MAJORS 42 | | | | |
| Job Purpose: Cement Surface Casing | | | | | | | |
| Well Type: Development Well | | | | Job Type: Cement Surface Casing | | | |
| Sales Person: EVANS, MATTHEW | | | Srvc Supervisor: BULINSKI, MATTHEW | | MBU ID Emp #: 483865 | | |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|---------------------|---------|--------|--------------------|---------|--------|------------------|---------|--------|
| BULINSKI, MATTHEW J | 0.0 | 483865 | CARPENTER, JACOB P | 0.0 | 499500 | VIATOR, JASON R. | 0.0 | 550394 |

Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10972458 | 20 mile | 11019275C | 20 mile | 11542778 | 20 mile | 11605598 | 20 mile |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|---|-------------------|-----------------|------|-------------------|-----------------|------|-------------------|-----------------|
| TOTAL | | | | | | | | |
| <i>Total is the sum of each column separately</i> | | | | | | | | |

Job

Job Times

| Formation Name | Formation Depth (MD) | Top | Bottom | Called Out | Date | Time | Time Zone |
|-------------------------------|----------------------|-----|-----------|----------------------|-----------------|-------|-----------|
| | | | | On Location | 01 - Oct - 2013 | 07:00 | MST |
| Form Type | | | | Job Started | 02 - Oct - 2013 | 00:00 | MST |
| Job depth MD | 1086. ft | | | Job Completed | 02 - Oct - 2013 | 02:14 | MST |
| Water Depth | | | | Job Completed | 02 - Oct - 2013 | 03:30 | MST |
| Perforation Depth (MD) | <i>From</i> | | <i>To</i> | Departed Loc | 02 - Oct - 2013 | 04:30 | MST |

Well Data

| Description | New / Used | Max pressure psig | Size in | ID in | Weight lbm/ft | Thread | Grade | Top MD ft | Bottom MD ft | Top TVD ft | Bottom TVD ft |
|---------------------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| 13 1/2" Open Hole Section | | | | 13.5 | | | | . | 1086. | | |
| 9 5/8" Surface Casing | Unknown | | 9.625 | 8.921 | 36. | | J-55 | . | 1043. | | |

Sales/Rental/3rd Party (HES)

| Description | Qty | Qty uom | Depth | Supplier |
|---|-----|---------|-------|----------|
| CMT CASING EQUIPMENT BOM | 1 | JOB | | |
| MILEAGE FOR CEMENTING CREW,ZI | 30 | MI | | |
| ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON | 30 | MI | | |
| KIT,HALL WELD-A | 1 | EA | | |
| CNTRLZR, 9 5/8"x13 3/4',#500-0963-1375 | 7 | EA | | |
| BASKET - CEMENT - 9-5/8 CSG X 12-1/4 | 1 | EA | | |
| PLUG,CMTG, TOP,9 5/8,HWE,8.16 MIN/9.06 MA | 1 | EA | | |
| Description | Qty | Qty uom | Depth | Supplier |

| COLLAR-STOP-9 5/8"-FRICTION-HINGED | | | | | | 2 | EA | | |
|--|--------------------|---------------------------------------|-------|-----------------------------------|------------------------|---------------------------|------------------|--------------|------------------------|
| Fluid Data | | | | | | | | | |
| Stage/Plug #: 1 | | | | | | | | | |
| Fluid # | Stage Type | Fluid Name | Qty | Qty uom | Mixing Density lbm/gal | Yield ft ³ /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
| 1 | Fresh Water Spacer | | 10.00 | bbl | 8.33 | | | 3.00 | |
| 2 | Mud Flush | | 12.00 | bbl | 8.4 | | | 3.00 | |
| | 3.33 lbm/bbl | MUD FLUSH III, 40 LB SACK (101633304) | | | | | | | |
| | 42 gal/bbl | MUD FLUSH III - SBM (528788) | | | | | | | |
| 3 | SwiftCem B2 | SWIFTCEM (TM) SYSTEM (452990) | 390.0 | sacks | 14.2 | 1.54 | 7.66 | 5.00 | 7.66 |
| | 7.66 Gal | FRESH WATER | | | | | | | |
| Rates | | | | | | | | | |
| Circulating | | Mixing | | Displacement | | Avg. Job | | | |
| Cement Left In Pipe | | Amount | 42 ft | Reason | Shoe Joint | | | | |
| Frac Ring # 1 @ | ID | Frac ring # 2 @ | ID | Frac Ring # 3 @ | ID | Frac Ring # 4 @ | ID | | |
| The Information Stated Herein Is Correct | | | | Customer Representative Signature | | | | | |

