

HALLIBURTON

WILLIAMS PRODUCTION RMT INC - EBUS

**GM 322-26
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing
24-Aug-2011

Job Site Documents

The Road to Excellence Starts with Safety

| | | | | | | | |
|----------------------------------------------------|-------------------|--------------------------------------------|--------------------|----------------------------------------------------------|-----------------|------------------------|-------------------|
| Sold To #: 300721 | | Ship To #: 2870100 | | Quote #: | | Sales Order #: 8371141 | |
| Customer: WILLIAMS PRODUCTION RMT INC - EBUS | | | | Customer Rep: Olsen, Mike | | | |
| Well Name: GM | | Well #: 322-26 | | API/UWI #: 05-045-20221 | | | |
| Field: GRAND VALLEY | | City (SAP): PARACHUTE | | County/Parish: Garfield | | State: Colorado | |
| Lat: N 39.5 deg. OR N 39 deg. 29 min. 58.801 secs. | | | | Long: W 108.088 deg. OR W -109 deg. 54 min. 44.194 secs. | | | |
| Contractor: H&P 280 | | Rig/Platform Name/Num: H&P 280 | | | | | |
| Job Purpose: Cement Surface Casing | | | | | | | |
| Well Type: Development Well | | | | Job Type: Cement Surface Casing | | | |
| Sales Person: KOHL, KYLE | | Srcv Supervisor: ERIC CARTER | | MBU ID Emp #: 345598 | | | |
| Job Personnel | | | | | | | |
| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs |
| CARTER, ERIC Earl | 9 | 345598 | JENSEN, SHANE Lynn | 9 | 441759 | MCKAY, PATRICK Joseph | 9 |
| VANALSTYNE, TROY L | 9 | 420256 | | | | | |
| Equipment | | | | | | | |
| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
| 10867423 | 60 mile | 10867425 | 60 mile | 10897887 | 60 mile | 10897891 | 60 mile |
| 10951251 | 60 mile | 11560046 | 60 mile | 11562538 | 60 mile | | |
| Job Hours | | | | | | | |
| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours |
| 8/23/11 | .5 | 0 | 8/24/11 | 8.5 | | | |
| TOTAL | | Total is the sum of each column separately | | | | | |
| Job | | | | Job Times | | | |
| Formation Name | | | | Date | Time | Time Zone | |
| Formation Depth (MD) | Top | 0 | Bottom | 1398 FT. | Called Out | 23 - Aug - 2011 | 21:00 |
| Form Type | BHST | | | On Location | 23 - Aug - 2011 | 11:30 | MST |
| Job depth MD | 1398. ft | Job Depth TVD | 1398. ft | Job Started | 24 - Aug - 2011 | 06:39 | MST |
| Water Depth | | Wk Ht Above Floor | 5. ft | Job Completed | 24 - Aug - 2011 | 07:37 | MST |
| Perforation Depth (MD) | From | To | | Departed Loc | 24 - Aug - 2011 | 08:30 | MST |
| Well Data | | | | | | | |
| Description | New / Used | Max pressure psig | Size in | ID in | Weight lbm/ft | Thread | Grade |
| OPEN HOLE | | | | 13.5 | | | |
| SURFACE CASING | Unknown | | 9.625 | 9.001 | 32.3 | | H-40 |
| Sales/Rental/3 rd Party (HES) | | | | | | | |
| Description | | | | | Qty | Qty uom | Depth |
| PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA | | | | | 1 | EA | |
| Tools and Accessories | | | | | | | |
| Type | Size | Qty | Make | Depth | Type | Size | Qty |
| Guide Shoe | | | | | Packer | | |
| Float Shoe | | | | | Bridge Plug | | |
| Float Collar | | | | | Retainer | | |
| Insert Float | | | | | | | |
| Stage Tool | | | | | | | |
| Miscellaneous Materials | | | | | | | |
| Gelling Agt | | Conc | | Surfactant | | Conc | |
| Treatment Fld | | Conc | | Inhibitor | | Conc | |
| | | | | Acid Type | | Qty | |
| | | | | Sand Type | | Size | |
| | | | | | | Conc | % |
| | | | | | | Qty | |

| 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 | Water Spacer | | 20.00 | bbl | 8.34 | .0 | .0 | 6 | |
| 2 | Lead Cement | VERSACEM (TM) SYSTEM (452010) | 200.0 | sacks | 12.3 | 2.38 | 13.75 | 8 | 13.75 |
| 3 | Tail Cement | VERSACEM (TM) SYSTEM (452010) | 160.0 | sacks | 12.8 | 2.11 | 11.75 | 8 | 11.75 |
| 4 | Displacement Fluid | | 103.2 | bbl | 8.34 | .0 | .0 | 10 | |
| Calculated Values | | Pressures | | Volumes | | | | | |
| Displacement | 103.2 | Shut In: Instant | | Lost Returns | NONE | Cement Slurry | 144.9 | Pad | |
| Top Of Cement | SURFACE | 5 Min | | Cement Returns | 20 | Actual Displacement | 103.2 | Treatment | |
| Frac Gradient | | 15 Min | | Spacers | 20 | Load and Breakdown | | Total Job | 233.5 |
| Rates | | | | | | | | | |
| Circulating | RIG | Mixing | 8 | Displacement | 10 | Avg. Job | 9 | | |
| Cement Left In Pipe | Amount | 42.69 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 | | | | | |

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| Well Type: Development Well | Job Type: Cement Surface Casing | | |
| Sales Person: KOHL, KYLE | Srvc Supervisor: ERIC CARTER | MBU ID Emp #: | 345598 |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|-------------------------------------------|------------------|-------|--------------|------------|-------|---------------|--------|----------------------------------------------------------------------------------------------------|
| | | | | Stage | Total | Tubing | Casing | |
| Arrive at Location from Other Job or Site | 08/23/2011 23:30 | | | | | | | RIG PERFORMING WIPER TRIP |
| Assessment Of Location Safety Meeting | 08/23/2011 23:40 | | | | | | | ATTENDED BY ALL HES CREW |
| Other | 08/24/2011 05:20 | | | | | | | SPOT EQUIPMENT |
| Pre-Rig Up Safety Meeting | 08/24/2011 05:30 | | | | | | | ATTENDED BY ALL HES CREW |
| Rig-Up Equipment | 08/24/2011 05:40 | | | | | | | |
| Pre-Job Safety Meeting | 08/24/2011 06:20 | | | | | | | ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP |
| Start Job | 08/24/2011 06:39 | | | | | | | TP 1353.82', TD 1398', SJ 42.69', FC 1311.13', MW 10.2 PPG, CASING 9.625", 32.3#, H-40, HOLE 13.5" |
| Other | 08/24/2011 06:39 | | 2 | 2 | | | 80.0 | FILL LINES |
| Test Lines | 08/24/2011 06:40 | | | | | | | PRESSURED UP TO 2410 PSI, PRESSURE HELD |
| Pump Spacer 1 | 08/24/2011 06:43 | | 6 | 20 | | | 222.0 | FRESH WATER |
| Pump Lead Cement | 08/24/2011 06:50 | | 8 | 84.8 | | | 400.0 | 200 SKS MIXED AT 12.3 PPG, 2.38 YIELD, 13.75 GL/SK |
| Pump Tail Cement | 08/24/2011 07:02 | | 8 | 60.1 | | | 370.0 | 160 SKS MIXED AT 12.8 PPG, 2.11 YIELD, 11.75 GL/SK |
| Shutdown | 08/24/2011 07:11 | | | | | | | |
| Drop Top Plug | 08/24/2011 07:14 | | | | | | | COMPANY REP VERIFIED THAT PLUG LAUNCHED |

Sold To #: 300721

Ship To #: 2870100

Quote #:

Sales Order #:

8371141

SUMMIT Version: 7.20.130

Sunday, August 28, 2011 11:04:00

Cementing Job Log

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|----------------------------------------|------------------|-------|--------------|------------|-------|---------------|--------|------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | Stage | Total | Tubing | Casing | |
| Pump Displacement | 08/24/2011 07:14 | | 10 | 93.2 | | | 615.0 | FRESH WATER, WASHED UP ON TOP OF PLUG AT COMPANY REP'S REQUEST |
| Slow Rate | 08/24/2011 07:26 | | 2 | 10 | | | 290.0 | |
| Bump Plug | 08/24/2011 07:31 | | | | | | 702.0 | PLUG LANDED |
| Check Floats | 08/24/2011 07:36 | | | | | | | FLOATS HELD |
| End Job | 08/24/2011 07:37 | | | | | | | GOOD CIRCULATION THROUGH OUT JOB, TRACE OF CEMENT AT 60 BBLS DISPLACEMENT, 20 BBLS GOOD CEMENT TO SURFACE, PIPE WAS NOT MOVED DURING JOB |
| Post-Job Safety Meeting (Pre Rig-Down) | 08/24/2011 07:40 | | | | | | | ATTENDED BY ALL HES CREW |
| Rig-Down Equipment | 08/24/2011 07:45 | | | | | | | |
| Depart Location Safety Meeting | 08/24/2011 08:20 | | | | | | | ATTENDED BY ALL HES CREW |
| Crew Leave Location | 08/24/2011 08:30 | | | | | | | THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW. |