

ENCANA OIL & GAS (USA) INC. - EBUS
DO NOT MAIL-3601 N STAGECOACH RD
LONGMONT, Colorado

Flanigan
Flanigan 2A-6H

Ensign/135

Post Job Summary

Cement Intermediate Casing

Date Prepared: 07/25/2012
Version: 1

Service Supervisor: ROSALES, MATTHEW

Submitted by: MCKAY, ADAM

HALLIBURTON

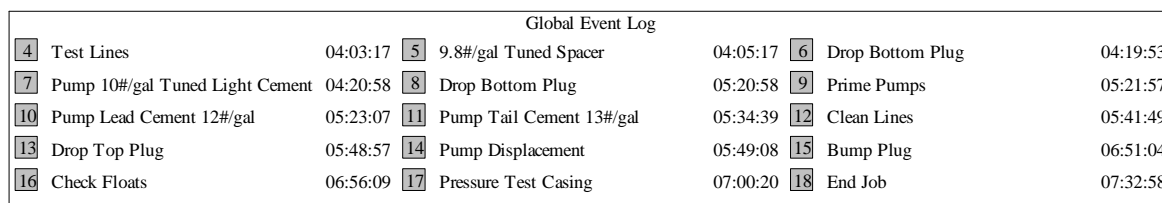
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Wellbore Geometry

| Job Tubulars | | | | | MD | | TVD | | Excess % | Shoe Joint Length ft |
|-------------------------|------------------------|------------|----------|--------------|----------|--------------|----------|--------------|-------------|-------------------------------|
| Type | Description | Size in | ID in | Wt lbm/ft | Top ft | Bottom ft | Top ft | Bottom ft | | |
| Open Hole Section | Open Hole Section | | 8.750 | | 1,053.00 | 7,408.00 | 1,053.00 | 7,408.00 | | |
| Casing | Intermediate Casing | 7.00 | 6.276 | 26.00 | 0.00 | 7,402.00 | 0.00 | 7,402.00 | | 44.00 |
| Casing | Surface Casing | 9.63 | 8.921 | 36.00 | 0.00 | 1,053.00 | 0.00 | 1,053.00 | | |

Pumping Schedule

| Stage /Plug # | Fluid # | Fluid Type | Fluid Name | Surface Density lbm/gal | Avg Rate bbl/min | Surface Volume | Downhole Volume |
|---------------------|------------|------------------|------------------|-------------------------------|---------------------|-------------------|--------------------|
| 1 | 1 | Spacer | TUNED SPACER III | 9.80 | 4.00 | 50.0 bbl | 50.0 bbl |
| 1 | 2 | Cement Slurry | Tuned Light 10# | 9.05 | 3.00 | 320.0 sacks | 320.0 sacks |
| 1 | 3 | Cement Slurry | Varicem 12# | 12.00 | 6.00 | 170.0 sacks | 170.0 sacks |
| 1 | 4 | Cement Slurry | Varicem 13# | 13.00 | 6.00 | 100.0 sacks | 100.0 sacks |



OptiCem v6.4.10
19-Jul-12 07:50

Service Supervisor Reports

Job Log

| Date/Time | Chart # | Activity Code | Pump Rate | Cum Vol | Pump | | Pressure (psig) | Comments |
|------------------|---------|-------------------|-----------|---------|------|--|-----------------|--|
| 07/19/2012 02:00 | | Arrive At Loc | | | | | | ARRIVE AT LOCATION 3 HOURS LATER THAN WHEN ASKED TO BE ON LOCATION DUE TO BEING ON ANOTHER JOB AND BULK PLANT ISSUES |
| 07/19/2012 04:03 | | Start Job | | | | | | |
| 07/19/2012 04:03 | | Test Lines | 0.5 | | | | | |
| 07/19/2012 04:05 | | Pump Spacer 1 | 2.5 | 50 | | | 200.0 | 9.8#/GAL TUNED SPACER |
| 07/19/2012 04:19 | | Drop Bottom Plug | | | | | | PLUG PRELOADED WITNESSED BY COMPANY MAN |
| 07/19/2012 04:20 | | Pump Cement | 4 | 137.9 | | | 1100.0 | 10#/GAL TUNED LIGHT CEMENT |
| 07/19/2012 05:20 | | Drop Bottom Plug | | | | | | PLUG PRELOADED WITNESSED BY COMPANY MAN |
| 07/19/2012 05:21 | | Prime Pumps | | | | | | REPRIME PUMPS BEFORE PUMPING VARICEM CEMENTS |
| 07/19/2012 05:23 | | Pump Lead Cement | 7.5 | 75.4 | | | 1000.0 | 12#/GAL CEMENT MIXED WITH WATER PROVIDED BY RIG |
| 07/19/2012 05:34 | | Pump Tail Cement | 6 | 35 | | | 600.0 | 13#/GAL CEMENT MIXED WITH WATER PROVIDED BY RIG |
| 07/19/2012 05:41 | | Shutdown | | | | | | |
| 07/19/2012 05:41 | | Clean Lines | | | | | | |
| 07/19/2012 05:48 | | Drop Top Plug | | | | | | LOAD TOP PLUG WHILE PUMP IS WASHING PUMPS AND LINES |
| 07/19/2012 05:49 | | Pump Displacement | 6 | 279 | | | 1450.0 | 30@BBL AWAY PRESSURE SPIKED SLOWED RATE UNTIL PRESSURE LEVELED OFF KEEPING RATE @ 6BPM10BBL WATER, 249BBL MUD, 20BBL WATER, GOOD RETURNS THROUGH OUT JOB |
| 07/19/2012 06:51 | | Bump Plug | 2 | | | | 1900.0 | |
| 07/19/2012 06:56 | | Check Floats | | | | | | FLOATS HELD, 40BBL TUNED SPACER TO SURFACE |
| 07/19/2012 07:00 | | Pressure Test | 0.5 | 1 | | | 1500.0 | PRESSURE UP ON CASING TO 1500PSI HOLD AND MONITOR PRESSURE FOR 30MINUTES |
| 07/19/2012 07:32 | | End Job | | | | | | |

HALLIBURTON

The Road to Excellence Starts with Safety

| | | | | | | | |
|--|--|---------------------------|---|--|--|--------------------------------|--|
| Sold To #: 340078 | | Ship To #: 2939420 | | Quote #: | | Sales Order #: 9675484 | |
| Customer: ENCANA OIL & GAS (USA) INC. - EBUS | | | | Customer Rep: Elrod, Dennis | | | |
| Well Name: Flanigan | | | Well #: 2A-6H | | | API/UWI #: 05-123-35694 | |
| Field: WATTENBERG | | City (SAP): HUDSON | | County/Parish: Weld | | State: Colorado | |
| Lat: N 40.087 deg. OR N 40 deg. 5 min. 12.264 secs. | | | | Long: W 104.599 deg. OR W -105 deg. 24 min. 1.944 secs. | | | |
| Contractor: Ensign | | | Rig/Platform Name/Num: 135 | | | | |
| Job Purpose: Cement Intermediate Casing | | | | | | | |
| Well Type: Development Well | | | Job Type: Cement Intermediate Casing | | | | |
| Sales Person: AARON, WESLEY | | | Srvc Supervisor: ROSALES, MATTHEW | | | MBU ID Emp #: 392095 | |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|---------------------------|---------|--------|--------------------|---------|--------|---------------------------|---------|--------|
| BROOM, KENDALL L | 7.0 | 524682 | CARPENTER, JACOB P | 7.0 | 499500 | CHAVEZ, JEROME Christophe | 7.0 | 458298 |
| CHISLUM, DENNIS | 7.0 | 512130 | FINNEY, SEAN | 7.0 | 525706 | HINKLE, BRADLEY Dean | 7.0 | 512123 |
| MARKOVICH, STEVEN Michael | 7.0 | 502964 | MCKAY, ADAM | 7.0 | 498253 | ROMERO, JOSEPH M | 7.0 | 512137 |
| ROSALES, MATTHEW John | 7.0 | 392095 | | | | | | |

Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10857080C | 18 mile | 10866497C | 18 mile | 11036301 | 18 mile | 11515108C | 18 mile |
| 11605598 | 18 mile | 11633846 | 18 mile | 11808819C | 18 mile | 11812069C | 18 mile |
| 11923776C | 18 mile | | | | | | |

Job Hours

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

Job

Job Times

| Formation Name | | | | | Called Out | Date | Time | Time Zone |
|------------------------|----------|-------------------|----------|--|---------------|-----------------|-------|-----------|
| Formation Depth (MD) | Top | | Bottom | | On Location | 18 - Jul - 2012 | 19:00 | MST |
| Form Type | | BHST | | | Job Started | 19 - Aug - 2012 | 02:00 | MST |
| Job depth MD | 7408. ft | Job Depth TVD | 7408. ft | | Job Started | 19 - Jul - 2012 | 04:01 | MST |
| Water Depth | | Wk Ht Above Floor | | | Job Completed | 19 - Jul - 2012 | 07:30 | MST |
| Perforation Depth (MD) | From | | To | | Departed Loc | 19 - Jul - 2012 | 09:00 | 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 |
|---------------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| Open Hole Section | | | | 8.75 | | | | 1053. | 7408. | 1053. | 7408. |
| Intermediate Casing | Unknown | | 7. | 6.276 | 26. | | P-110 | . | 7402. | . | 7402. |
| Surface Casing | Used | | 9.625 | 8.921 | 36. | | K-55 | . | 1053. | . | 1053. |

Tools and Accessories

| Type | Size | Qty | Make | Depth | Type | Size | Qty | Make | Depth | Type | Size | Qty | Make |
|------------|------|-----|------|-------|--------|------|-----|------|-------|----------|------|-----|------|
| Guide Shoe | | | | | Packer | | | | | Top Plug | | | |

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| | | | | | | | | | | | | | | | | | | |
|--|------------------|----------------------------------|------------------|-----------------|-------------|-----------------------------------|------------------------|---------------------|------------------|----------------|------------------------|-----------------|--|--------|--|--|--|--|
| Float Shoe | | | | | Bridge Plug | | | | | Bottom Plug | | | | | | | | |
| Float Collar | | | | | Retainer | | | | | SSR plug set | | | | | | | | |
| Insert Float | | | | | | | | | | Plug Container | | | | | | | | |
| Stage Tool | | | | | | | | | | Centralizers | | | | | | | | |
| Miscellaneous Materials | | | | | | | | | | | | | | | | | | |
| Gelling Agt | | | Conc | | Surfactant | | | Conc | | Acid Type | | Qty | | Conc % | | | | |
| Treatment Fld | | | Conc | | Inhibitor | | | Conc | | Sand Type | | Size | | Qty | | | | |
| Fluid Data | | | | | | | | | | | | | | | | | | |
| Stage/Plug #: 1 | | | | | | | | | | | | | | | | | | |
| Fluid # | Stage Type | Fluid Name | | | Qty | Qty uom | Mixing Density lbm/gal | Yield ft3/sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk | | | | | | | |
| 1 | TUNED SPACER III | TUNED SPACER III - SBM (483826) | | | 50.00 | bbl | 9.8 | 5.78 | 38.63 | 4.0 | | | | | | | | |
| | 39.07 gal/bbl | FRESH WATER | | | | | | | | | | | | | | | | |
| | 30.27 lbm/bbl | BARITE, 100 LB SK (100003680) | | | | | | | | | | | | | | | | |
| 2 | Tuned Light 10# | TUNED LIGHT (TM) SYSTEM (452984) | | | 320.0 | sacks | 9.05 | 2.33 | 8.83 | 4.0 | 8.83 | | | | | | | |
| | 8.83 Gal | FRESH WATER | | | | | | | | | | | | | | | | |
| 3 | Varicem 12# | VARICEM (TM) CEMENT (452009) | | | 170.0 | sacks | 12. | 2.49 | 13.92 | 4.0 | 13.92 | | | | | | | |
| | 13.92 Gal | FRESH WATER | | | | | | | | | | | | | | | | |
| 4 | Varicem 13# | VARICEM (TM) CEMENT (452009) | | | 100.0 | sacks | 13. | 1.96 | 11.92 | 4.0 | 11.92 | | | | | | | |
| | 11.92 Gal | FRESH WATER | | | | | | | | | | | | | | | | |
| Calculated Values | | | Pressures | | | Volumes | | | | | | | | | | | | |
| Displacement | | | Shut In: Instant | | | Lost Returns | | Cement Slurry | | Pad | | | | | | | | |
| Top Of Cement | | | 5 Min | | | Cement Returns | | Actual Displacement | | Treatment | | | | | | | | |
| Frac Gradient | | | 15 Min | | | Spacers | | Load and Breakdown | | Total Job | | | | | | | | |
| Rates | | | | | | | | | | | | | | | | | | |
| Circulating | | | Mixing | | | Displacement | | | | Avg. Job | | | | | | | | |
| Cement Left In Pipe | | Amount | 44 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 | | | | | | | | | | | | |