

**SYNERGY RESOURCES CORPORATION
20203 HIGHWAY 60
PLATTEVILLE, Colorado**

Avex
Avex 10 C

Ensign/136

Post Job Summary **Cement Production Casing**

Date Prepared: 10/16/2012
Version: 1

Service Supervisor: VIGIL, NICHOLAS

Submitted by: MCKAY, ADAM

HALLIBURTON

HALLIBURTON

Wellbore Geometry

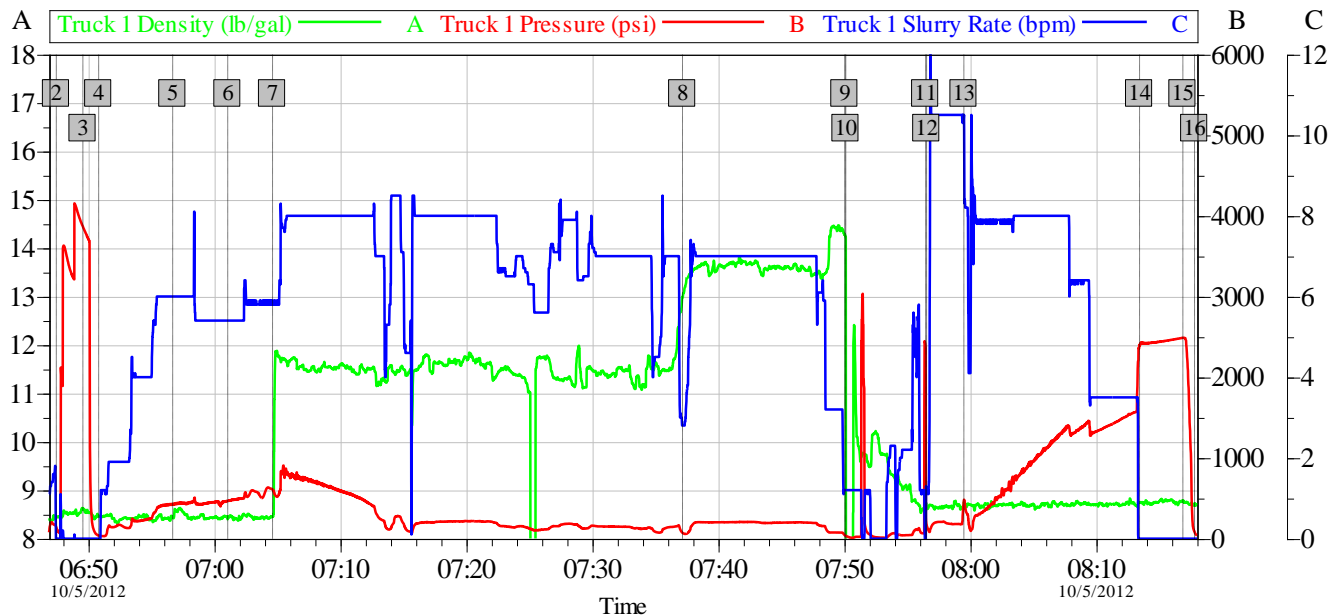
| Job Tubulars | | | | | MD | | TVD | | Excess % | Shoe Joint Length ft |
|-------------------------|----------------------|------------|----------|--------------|-----------|--------------|-----------|--------------|-------------|-------------------------------|
| Type | Description | Size in | ID in | Wt lbm/ft | Top ft | Bottom ft | Top ft | Bottom ft | | |
| Casing | Production Casing | 4.50 | 4.000 | 11.60 | 0.00 | 8,100.00 | 0.00 | 0.00 | | 18.00 |
| Open Hole Section | Open Hole | | 7.875 | | 614.00 | 8,100.00 | 0.00 | 0.00 | | |
| Casing | Surface Casing | 8.63 | 8.097 | 24.00 | 0.00 | 614.00 | 0.00 | 0.00 | | |

Pumping Schedule

| Stage /Plug # | Fluid # | Fluid Type | Fluid Name | Surface Density lbm/gal | Avg Rate bbl/min | Surface Volume | Downhole Volume |
|---------------------|------------|------------------|---------------|-------------------------------|---------------------|-------------------|--------------------|
| 1 | 1 | Spacer | MUD FLUSH III | 8.40 | 6.00 | | |
| 1 | 2 | Cement Slurry | EXTENDACEM B1 | 11.50 | 7.00 | 574.0 sacks | 574.0 sacks |
| 1 | 3 | Cement Slurry | FracCem B2 | 13.50 | 7.00 | 258.0 sacks | 258.0 sacks |

Data Acquisition

Synergy Avex 10 C 4.5 Production



Global Event Log

| | | | | | |
|--------------------|----------|----------------------|----------|-----------------------|----------|
| 2 Start Job | 06:47:28 | 3 Test Lines | 06:49:34 | 4 20 Water | 06:50:49 |
| 5 24 Mud Flush | 06:56:42 | 6 20 Water | 07:01:04 | 7 11.5 ppg ExtendaCem | 07:04:37 |
| 8 13.5 ppg FracCem | 07:37:10 | 9 Shutdown | 07:50:03 | 10 Clean Lines | 07:50:08 |
| 11 Drop Top Plug | 07:56:28 | 12 Pump Displacement | 07:56:32 | 13 Displ Reached Cmmt | 07:59:30 |
| 14 Bump Plug | 08:13:26 | 15 Check Floats | 08:16:52 | 16 End Job | 08:17:48 |

| | | |
|-------------------|-----------------------|------------------------|
| Customer: | Job Date: 05-Oct-2012 | Sales Order #: 9860355 |
| Well Description: | UWI: | |

OptiCem v6.4.10
05-Oct-12 08:23

Service Supervisor Reports

Job Log

| Date/Time | Chart # | Activity Code | Pump Rate | Cum Vol | Pump | | Pressure (psig) | Comments |
|------------------|---------|-------------------|-----------|---------|------|--|-----------------|---|
| 10/05/2012 04:45 | | Arrive At Loc | | | | | | HAZARD HUNT, WELL SITE ASSESMENT, WATER TEST, PRE RIG UP SAFETY MEETING |
| 10/05/2012 06:47 | | Start Job | | | | | | PRE JOB SAFETY MEETING |
| 10/05/2012 06:49 | | Test Lines | | | | | | PRESSURE TESTED LINES TO 3500 PSI |
| 10/05/2012 06:50 | | Pump Spacer 1 | 6 | 20 | | | 420.0 | RIG WATER |
| 10/05/2012 06:56 | | Pump Spacer 2 | 6 | 24 | | | 440.0 | MUD FLUSH III |
| 10/05/2012 07:01 | | Pump Spacer 1 | 6 | 20 | | | 516.0 | RIG WATER |
| 10/05/2012 07:04 | | Pump Lead Cement | 8 | 235 | | | 198.0 | 11.5 PPG EXTENDACEM (574 SKS) |
| 10/05/2012 07:37 | | Pump Tail Cement | 7 | 79 | | | 201.0 | 13.5 PPG FRACCEM (258 SKS) |
| 10/05/2012 07:50 | | Shutdown | | | | | | SHUT DOWN TO DROP PLUG |
| 10/05/2012 07:50 | | Clean Lines | | | | | | |
| 10/05/2012 07:56 | | Drop Top Plug | | | | | | |
| 10/05/2012 07:56 | | Pump Displacement | 8 | 115.2 | | | 777.0 | RIG WATER WITH CLAWEB |
| 10/05/2012 07:59 | | Bump Plug | 3.5 | 115.2 | | | 1598.0 | CALCULATED PRESSURE TO LAND PLUG WAS 1467 + 1000 OVER |
| 10/05/2012 08:16 | | Check Floats | | | | | | FLOATS HELD |
| 10/05/2012 08:17 | | End Job | | | | | | RIG DOWN SAFETY MEETING |

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The Road to Excellence Starts with Safety

| | | | | | | | |
|--|--|------------------------------|---|-------------------------------------|--|--------------------------------|--|
| Sold To #: 359915 | | Ship To #: 2953532 | | Quote #: | | Sales Order #: 9860355 | |
| Customer: SYNERGY RESOURCES CORPORATION | | | | Customer Rep: Weitzel, Craig | | | |
| Well Name: Avex | | | Well #: 10 C | | | API/UWI #: 05-123-35009 | |
| Field: WATTENBERG | | City (SAP): JOHNSTOWN | | County/Parish: Weld | | State: Colorado | |
| Contractor: Ensign | | | Rig/Platform Name/Num: 136 | | | | |
| Job Purpose: Cement Production Casing | | | | | | | |
| Well Type: Development Well | | | Job Type: Cement Production Casing | | | | |
| Sales Person: AARON, WESLEY | | | Srvc Supervisor: VIGIL, NICHOLAS | | | MBU ID Emp #: 443481 | |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|-----------------------|---------|--------|------------------------|---------|--------|----------------------|---------|--------|
| BANUELOS, GUADALUPE | 0.0 | 372277 | EDWARDS, MICHEAL H | 0.0 | 522592 | JEWELL, WILLIAM Uris | 0.0 | 503358 |
| MILLER, GEOFFREY Alan | 0.0 | 460232 | VIGIL, NICHOLAS Joseph | 0.0 | 443481 | | | |

Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10246780C | 30 mile | 10829456 | 30 mile | 10972458 | 30 mile | 10988836C | 30 mile |
| 11019275C | 30 mile | 11036301 | 30 mile | 11488570C | 30 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

| Formation Name | Formation Depth (MD) | Top | Bottom | Form Type | Job depth MD | Job Depth TVD | Water Depth | Perforation Depth (MD) | From | To |
|----------------|----------------------|-----|--------|-----------|--------------|---------------|-------------|------------------------|------|----|
| | | | | BHST | 8100. ft | 8100. ft | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Job Times

| Date | Time | Time Zone |
|------|------|-----------|
| | | |
| | | |
| | | |
| | | |
| | | |

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 | | | | 7.875 | | | | 614. | 8100. | . | . |
| Production Casing | Unknown | | 4.5 | 4. | 11.6 | | | . | 8100. | . | . |
| Surface Casing | Unknown | | 8.625 | 8.097 | 24. | | | . | 614. | . | . |

Tools and Accessories

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

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| 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 | MUD FLUSH III | MUD FLUSH III - SBM (528788) | | bbl | 8.4 | | | | | |
| 2 | EXTENDACEM B1 | EXTENDACEM (TM) SYSTEM (452981) | 574.0 | sacks | 11.5 | 2.3 | 12.95 | | 12.95 | |
| 0.2 % | | SUPER CBL, 50 LB PAIL (100003668) | | | | | | | | |
| 12.95 Gal | | FRESH WATER | | | | | | | | |
| 3 | FracCem B2 | FRACCEN (TM) SYSTEM (452963) | 258.0 | sacks | 13.5 | 1.74 | 8.29 | | 8.29 | |
| 8.289 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 | 18 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 | | | | | | |