

Ursa Resources Group II LLC

Valley Farms L34A-11-06-92

**Craigs 7**

## **Post Job Summary**

# **Cement Surface Casing**

Job Date: 11/09/2014

Submitted by: Evan Russell – Grand Junction Cement Engineer

*The Road to Excellence Starts with Safety*

|  |                        |  |                           |
|--|------------------------|--|---------------------------|
| Sold To #: 369755                                  | Ship To #: 3541376     | Quote #:                                   | Sales Order #: 0901811936 |
| Customer: URSA RESOURCES GROUP II LLC              |                        | Customer Rep:                              |                           |
| Well Name: VALLEY FARMS L                          | Well #: 34A-11-06-92   | API/UWI #: 05-045-22449-00                 |                           |
| Field: WILDCAT                                     | City (SAP): NEW CASTLE | County/Parish: GARFIELD                    | State: COLORADO           |
| Legal Description: SE SE-11-6S-92W-1270FSL-1068FEL |                        |  |                           |
| Contractor:  |                        | Rig/Platform Name/Num: Craigs 7            |                           |
| Job BOM: 7521                                      |                        |  |                           |
| Well Type: DIRECTIONAL GAS                         |                        |  |                           |
| Sales Person: HALAMERICA\HB80977                   |                        | Srvc Supervisor: Francisco Javier Castillo |                           |
| Job  |                        |  |                           |

|                        |                           |
|------------------------|---------------------------|
| Formation Name         |                           |
| Formation Depth (MD)   | Top SURFACE Bottom 1004ft |
| Form Type              | BHST                      |
| Job depth MD           | 1004ft Job Depth TVD      |
| Water Depth            | Wk Ht Above Floor         |
| Perforation Depth (MD) | From To                   |

### Well Data

| Description       | New / Used | Size in | ID in | Weight lbm/ft | Thread | Grade | Top MD ft | Bottom MD ft | Top TVD ft | Bottom TVD ft |
|-------------------|------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| Casing            | NEW        | 8.625   | 7.921 | 32            | LTC    | J-55  | 0         | 987          | 0          | 0             |
| Open Hole Section |            |         | 12.25 |               |        |       | 0         | 1004         |            | 0             |

### Tools and Accessories

| Type         | Size in | Qty | Make | Depth ft | Type           | Size in | Qty | Make |
|--------------|---------|-----|------|----------|----------------|---------|-----|------|
| Guide Shoe   | 8.625   | 1   |      | 987      | Top Plug       | 8.625   | 1   | HES  |
| Float Shoe   |         |     |      |          | Bottom Plug    |         |     |      |
| Float Collar | 8.625   | 1   |      | 940.67   | SSR plug set   |         |     |      |
| Insert Float |         |     |      |          | Plug Container | 8.625   | 1   | HES  |
| Stage Tool   |         |     |      |          | Centralizers   | 8.625   |     |      |

### 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 ft <sup>3</sup> /sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal |
| 1               | Water       | Water               | 20  | bbl     | 8.33                   |                             |               | 4            |                     |
|                 |             |                     |     |         |                        |                             |               |              |                     |
| Fluid #         | Stage Type  | Fluid Name          | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft <sup>3</sup> /sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal |
| 2               | Lead Cement | VARICEM (TM) CEMENT | 120 | sack    | 12.3                   | 2.45                        |               | 5            | 14.17               |
| 14.10 Gal       |             | FRESH WATER         |     |         |                        |                             |               |              |                     |

| Fluid #             | Stage Type  | Fluid Name          | Qty     | Qty UoM | Mixing Density<br>lbm/gal | Yield<br>ft3/sack | Mix Fluid<br>Gal | Rate<br>bbl/min | Total Mix<br>Fluid<br>Gal |
|---------------------|-------------|---------------------|---------|---------|---------------------------|-------------------|------------------|-----------------|---------------------------|
| 3                   | Tail Cement | VARICEM (TM) CEMENT | 140     | sack    | 12.8                      | 2.18              |                  | 5               | 12.11                     |
| 12.05 Gal           |             | FRESH WATER         |         |         |                           |                   |                  |                 |                           |
|                     |             |                     |         |         |                           |                   |                  |                 |                           |
| Cement Left In Pipe |             | Amount              | 46.07ft |         | Reason                    |                   | Shoe Joint       |                 |                           |
| Comment             |             |                     |         |         |                           |                   |                  |                 |                           |

## 1.1 Job Event Log

|  | Graph Label                | Date      | Time     | DH Density | Pump Rate | Pump Pressure | Stage Total | Comment  |
|--|----------------------------|-----------|----------|------------|-----------|---------------|-------------|--|
|  | CALL OUT                   | 11/8/2014 | 17:15:00 |            |           |               |             | ON LOCATION AT 23:00 HRS   |
|  | DEPART YARD SAFETY MEETING | 11/8/2014 | 20:20:00 |            |           |               |             | NO INJURIES TO REPORT BEFORE THE JOB   |
|  | CREW LEAVE THE YARD        | 11/8/2014 | 20:30:00 |            |           |               |             |  |
|  | ARRIVE ON LOCATION         | 11/8/2014 | 22:00:00 |            |           |               |             | RIG HAD PROBLEMS RUNNING CASING AND HAD TO PULL OUT AND REAM THE HOLE                            |
|  | RIG LAND CASING            | 11/9/2014 | 05:00:00 |            |           |               |             |  |
|  | SPOT TRUCKS                | 11/9/2014 | 05:05:00 |            |           |               |             |  |
|  | RIG UP SAFETY MEETING      | 11/9/2014 | 05:10:00 |            |           |               |             |  |
|  | RIG UP                     | 11/9/2014 | 05:15:00 |            |           |               |             | 1-ELITE, 1-660, 2" PUMPING IRON, PLUG CONTAINER  |
|  | RIG UP COMPLETE            | 11/9/2014 | 05:50:00 |            |           |               |             |  |
|  | PRE-JOB SAFETY MEETING     | 11/9/2014 | 05:55:00 |            |           |               |             | ALL HES PERSONEL AND RIG CREW  |
|  | START JOB                  | 11/9/2014 | 06:03:40 |            |           |               |             | TD-1004', OH-12.5", TP-986.74', SJ-46.07', FC-940.67', CSG-8.625", 32#, J-55, MUD-9.7 PPG, FV-40 |
|  | FILL LINES                 | 11/9/2014 | 06:04:07 | 8.33 ppg   | 2 bpm     | 53 psi        | 2 bbls      | FRESH WATER  |
|  | STALL OUT                  | 11/9/2014 | 06:05:43 |            |           |               |             | HELD PRESSURE AT 2000 PSI  |
|  | TEST LINES                 | 11/9/2014 | 06:06:59 |            |           |               |             | HELD PRESSURE AT 3923 PSI  |
|  | WATER SPACER               | 11/9/2014 | 06:10:15 | 8.33 ppg   | 4 bpm     | 54 psi        | 20 bbls     | FRESH WATER  |
|  | LEAD SLURRY                | 11/9/2014 | 06:17:52 | 12.3 ppg   | 5 bpm     | 80 psi        | 52 bbls     | 120 SKS, 12.3 PPG, 2.45 FT3/SK, 14.17 GAL/SK   |
|  | TAIL SLURRY                | 11/9/2014 | 06:28:17 | 12.8 ppg   | 5 bpm     | 42 psi        | 54 bbls     | 140 SKS, 12.8 PPG, 2.18 FT3/SK, 2.11 GAL/SK  |
|  | SHUTDOWN                   | 11/9/2014 | 06:40:48 |            |           |               |             | GOOD RETURNS   |
|  | DROP TOP PLUG              | 11/9/2014 | 06:41:56 |            |           |               |             |  |

|                                   |           |          |          |       |          |                       |   |
|-----------------------------------|-----------|----------|----------|-------|----------|-----------------------|---|
| DISPLACEMENT                      | 11/9/2014 | 06:42:25 | 8.33 ppg | 5 bpm | 160 psi  | 30 bbls               | FRESH WATER   |
| SLOW RATE                         | 11/9/2014 | 06:50:25 | 8.33 ppg | 2 bpm | 265 psi  | 27 bbls               | GOT CEMENT TO SURFACE<br>WITH 30 BBLs INTO<br>DISPLACEMENT      |
| BUMP PLUG                         | 11/9/2014 | 07:03:38 |          |       | 1062 psi | TOTAL DISP<br>57 bbls | CIRCULATED 27 BBLs / 62<br>SKS OF CEMENT TO<br>SURFACE          |
| CHECK FLOATS                      | 11/9/2014 | 07:06:28 |          |       |          |                       | FLOATS HELD WITH 0.25<br>BBL FLOW BACK TO<br>DISPLACEMENT TANK  |
| END JOB                           | 11/9/2014 | 07:07:46 |          |       |          |                       | GOOD RETURN THROUGH<br>OUT THE JOB                              |
| RIG DOWN SAFETY<br>MEETING        | 11/9/2014 | 07:10:00 |          |       |          |                       | USED 40 LBS OF SUGAR  |
| RIG DOWN                          | 11/9/2014 | 07:15:00 |          |       |          |                       |   |
| RIG DOWN COMPLETE                 | 11/9/2014 | 07:50:00 |          |       |          |                       |   |
| DEPART LOCATION<br>SAFETY MEETING | 11/9/2014 | 07:55:00 |          |       |          |                       | NO INJURIES TO REPORT<br>AFTER THE JOB                          |
| CREW LEAVE LOCATION               | 11/9/2014 | 08:00:00 |          |       |          |                       |   |
| THANK YOU                         | 11/9/2014 | 08:01:00 |          |       |          |                       | THANK YOU FOR YOUR<br>BUSINESS FROM JAVIER<br>CASTILLO AND CREW |