

URSA RESOURCES GROUP II LLC

BAT 34D-24-07-96

Craig 7

Post Job Summary

Cement Surface Casing

Date Prepared: 10/11/2014

Job Date: 09/26/2014

Submitted by: Kory Hugentobler – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

| | | | |
|--|-----------------------|---------------------------------|---------------------------|
| Sold To #: 369755 | Ship To #: 3534045 | Quote #: | Sales Order #: 0901689860 |
| Customer: URSA RESOURCES GROUP II LLC | | Customer Rep: Craig Smith | |
| Well Name: BAT | Well #: 34D-24-07-96 | API/UWI #: 05-045-22425-00 | |
| Field: WILDCAT | City (SAP): PARACHUTE | County/Parish: GARFIELD | State: COLORADO |
| Legal Description: NE SW-24-7S-96W-1802FSL-2056FWL | | | |
| Contractor: | | Rig/Platform Name/Num: Craigs 7 | |
| Job BOM: 7521 | | | |
| Well Type: DIRECTIONAL GAS | | | |
| Sales Person: HALAMERICA\HX23209 | | Srvc Supervisor: Carlton Kukus | |

Job

| | |
|------------------------|-----------------------|
| Formation Name | |
| Formation Depth (MD) | Top Bottom |
| Form Type | BHST |
| Job depth MD | 1957ft Job Depth TVD |
| Water Depth | Wk Ht Above Floor 5ft |
| 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 | 8.097 | | LTC | J-55 | 0 | 1935 | 0 | 1935 |
| Open Hole Section | | | 12.25 | | | | 0 | 1957 | 0 | 1957 |

Tools and Accessories

| Type | Size in | Qty | Make | Depth ft | Type | Size in | Qty | Make |
|--------------|---------|-----|------|----------|----------------|---------|-----|------|
| Guide Shoe | 8.625 | 1 | | 1935 | Top Plug | 8.625 | 1 | HES |
| Float Shoe | 8.625 | 1 | | | Bottom Plug | 8.625 | | HES |
| Float Collar | 8.625 | 1 | | 1890.06 | SSR plug set | 8.625 | | HES |
| Insert Float | 8.625 | | | | Plug Container | 8.625 | 1 | HES |
| Stage Tool | 8.625 | | | | Centralizers | 8.625 | | HES |

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/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 ft3/sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal | |
| 2 | Lead Cement | ECONOCEM (TM) SYSTEM | 325 | sack | 12.3 | 2.45 | | 7.5 | 14.17 | |

| | | | | | | | | | |
|--|--------------------|--------------------------------------|------------|----------------|-----------------------------------|---------------------------|--------------------------|------------------------------|------------------------------------|
| 14.12 Gal | | FRESH WATER | | | | | | | |
| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft3/sack | Mix Fluid Gal | Rate bbl/mi n | Total Mix Fluid Gal |
| 3 | Tail Cement | VARICEM (TM) CEMENT | 140 | sack | 12.8 | 2.18 | | 6.5 | 12.11 |
| 94 lbm | | TYPE I / II CEMENT, BULK (101439798) | | | | | | | |
| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft3/sack | Mix Fluid Gal | Rate bbl/mi n | Total Mix Fluid Gal |
| 4 | Displacement Fluid | Displacement Fluid | 115.1 | bbl | 8.34 | | | 8 | |
| Cement Left In Pipe | | Amount | 44 ft | | Reason | | Shoe Joint | | |
| Comment 50 BBLs OF CEMENT TO SURFACE, TOP OF TAIL 1231 FT | | | | | | | | | |

2.0 Real-Time Job Summary

2.1 Job Event Log

| Type | Seq. No. | Graph Label | Date | Time | Source | DH Density (ppg) | PS Pump Press (psi) | Pump Stg Tot (bbl) | Comb Pump Rate (bbl/min) | Recirc Density (ppg) | Comments |
|-------|----------|---------------------------------------|-----------|----------|--------|------------------|---------------------|--------------------|--------------------------|----------------------|--|
| Event | 1 | Call Out | 9/25/2014 | 12:00:00 | USER | | | | | | HES CREW CALLED OUT AT 12:00 |
| Event | 2 | Pre-Convoy Safety Meeting | 9/25/2014 | 14:30:00 | USER | | | | | | ALL HES CREW TO DISCUSS DRIVING HAZARDS |
| Event | 3 | Crew Leave Yard | 9/25/2014 | 15:00:00 | USER | | | | | | 1-F-550 PICKUP, 1-ELITE PUMP TRUCK, 2-660 BULK TRUCKS |
| Event | 4 | Arrive At Loc | 9/25/2014 | 16:30:00 | USER | | | | | | HES ARRIVED 1.5 HOURS EARLY |
| Event | 5 | Assessment Of Location Safety Meeting | 9/25/2014 | 16:45:00 | USER | | | | | | RIG WAS STILL RUNNING CASING, HES WAITED TO SPOT EQUIPMENT AND RIG UP |
| Event | 6 | Pre-Rig Up Safety Meeting | 9/25/2014 | 19:00:00 | USER | | | | | | ALL HES CREW TO DISCUSS HAZARDS OF RIGGING UP |
| Event | 7 | Rig-Up Equipment | 9/25/2014 | 19:10:00 | USER | | | | | | RIG UP IRON TO THE PLUG CONTAINER, WATER HOSES TO THE UPRIGHTS AND BULK EQUIPMENT TO THE PUMP TRUCK |
| Event | 8 | Rig-Up Completed | 9/25/2014 | 19:30:00 | USER | | | | | | RIG UP COMPLETE |
| Event | 9 | Pre-Job Safety Meeting | 9/25/2014 | 19:45:00 | USER | | | | | | ALL HES AND RIG CREW TO DISCUSS JOB HAZARDS |
| Event | 10 | Start Job | 9/25/2014 | 19:58:52 | COM5 | | | | | | TD:1957FT TP: 1934.08FT SJ: 44.02FT OH: 12.25 CSG: 8.625 32# J-55 MUD WT: 9.5PPG VISC: 43 |
| Event | 11 | Test Lines | 9/25/2014 | 20:02:30 | COM5 | 8.33 | 3564 | 2 | 0 | | PRESSURE TEST TO 3000PSI, PRESSURE TEST OK |
| Event | 12 | Fresh Water Spacer | 9/25/2014 | 20:10:01 | COM5 | 8.34 | 80 | 20 | 4 | | 20BBL FRESH WATER SPACER |
| Event | 13 | Pump Lead Cement | 9/25/2014 | 20:15:44 | COM5 | 12.3 | 125 | 141 | 7.5 | 12.3 | 325SKS OF VARICEM CEMENT 12.3PPG 2.45YIELD 14.17GAL/SK WEIGHT OF CEMENT VERIFIED VIA MUD SCALES THROUGHOUT LEAD CEMENT |
| Event | 14 | Other | 9/25/2014 | 20:19:39 | USER | 12.54 | 83.00 | 16.0 | 4.10 | 12.28 | OPERATOR ENTERED NUMBERS FOR AUTOCAL WRONG, THATS WHY DENSITY DROPPED, HES SUPERVISOR STARTED CHARTING RECIRC DENSITY TO SHOW THAT CEMENT NEVER LOST DENSITY |

| Type | Seq. No. | Graph Label | Date | Time | Source | DH Density (ppg) | PS Pump Press (psi) | Pump Stg Tot (bbl) | Comb Pump Rate (bbl/min) | Recirc Density (ppg) | Comments |
|-------|----------|-----------------------------|-----------|----------|--------|------------------|---------------------|--------------------|--------------------------|----------------------|--|
| Event | 15 | Other | 9/25/2014 | 20:24:35 | USER | 12.38 | 93.00 | 44.9 | 5.80 | 12.37 | LEAD CEMENT WAS RE-WEIGHED AND DOWNHOLE DENSOMETER WAS AUTOCALED TO THE CORRECT DENSITY |
| Event | 16 | Pump Tail Cement | 9/25/2014 | 20:38:34 | COM5 | 12.8 | 90 | 54.4 | 6.5 | 12.8 | 140SKS OF VARICEM CEMENT 12.8PPG 2.18YIELD 12.11GAL/SK WEIGHT OF CEMENT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT |
| Event | 17 | Shutdown | 9/25/2014 | 20:46:39 | USER | | | | | | SHUTDOWN END OF CEMENT, HES WASHED UP ON TOP OF PLUG |
| Event | 18 | Pump Displacement | 9/25/2014 | 20:49:51 | COM5 | 8.34 | 350 | 66 | 8 | | FRESH WATER DISPLACEMENT |
| Event | 19 | Slow Rate | 9/25/2014 | 21:01:38 | USER | 8.27 | 294.00 | 50 | 2 | | SLOW RATE TO 2 BBL/MIN ONCE CEMENT REACHED SURFACE |
| Event | 20 | Bump Plug | 9/25/2014 | 21:23:47 | USER | 8.28 | 426 | 115.1 | 2.00 | | BUMPED PLUG AT 426 PSI TOOK TO 795 PSI, 50 BBLS OF CEMENT TO SURFACE RIG USED 40 POUNDS OF SUGAR |
| Event | 21 | Check Floats | 9/25/2014 | 21:26:03 | USER | 8.27 | 795 | 115.1 | 0.00 | 8.38 | FLOATS HELD .25 BBLS BACK TO TANKS |
| Event | 22 | End Job | 9/25/2014 | 21:27:43 | COM5 | | | | | | THANK YOU FOR CHOOSING HALLIBURTON CEMENT CARL KUKUS AND CREW |
| Event | 23 | Pre-Rig Down Safety Meeting | 9/25/2014 | 21:27:45 | USER | | | | | | ALL HES EMPLOYEES TO DISCUSS RIG DOWN HAZARDS |
| Event | 24 | Rig Down Equipment | 9/25/2014 | 21:27:46 | USER | | | | | | RIG DOWN ALL EQUIPMENT AND PUT AWAY AND SECURE |
| Event | 25 | Rig-Down Completed | 9/25/2014 | 21:30:00 | USER | | | | | | ALL EQUIPMENT RIGGED DOWN AND PUT AWAY |
| Event | 26 | Pre-Convoy Safety Meeting | 9/25/2014 | 21:45:00 | USER | | | | | | ALL HES CREW TO DISCUSS DRIVING HAZARDS |
| Event | 27 | Crew Leave Location | 9/25/2014 | 22:00:00 | USER | | | | | | 1-F-550 PICKUP, 1-ELITE PUMP TRUCK, 2-660 BULK TRUCK |