

URSA RESOURCES GROUP II LLC

Valley Farms J16

Workover

Post Job Summary

Cement Surface Casing

Date Prepared: 02/04/14

Job Date: 1/24/14

Submitted by: Jenna Cook - Cement Engineer

The Road to Excellence Starts with Safety

| | | | |
|---|--------------------|--------------------------------|---------------------------|
| Sold To #: 369755 | Ship To #: 3283747 | Quote #: | Sales Order #: 0902066662 |
| Customer: URSA RESOURCES GROUP II LLC | | Customer Rep: Craig Smith | |
| Well Name: VALLEY FARMS | Well #: J16 | API/UWI #: 05-045-22323-00 | |
| Field: KOKOPELLI | City (SAP): SILT | County/Parish: GARFIELD | State: COLORADO |
| Legal Description: NW NW-13-6S-92W-270FNL-1291FWL | | | |
| Contractor: CRAIG DRLG | | Rig/Platform Name/Num: CRAIG 7 | |
| Job BOM: 7521 | | | |
| Well Type: DIRECTIONAL GAS | | | |
| Sales Person: HALAMERICA\HB80977 | | Srvc Supervisor: Dustin Hyde | |

Job

| | |
|------------------------|-------------------------|
| Formation Name | |
| Formation Depth (MD) | Top Bottom |
| Form Type | BHST 200 degF |
| Job depth MD | 1025.47ft 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 | | 8.625 | 7.921 | 32 | LTC | J-55 | 0 | 1025.47 | 0 | 0 |
| Open Hole Section | | | 12.25 | | | | 0 | 1034 | | 0 |

Tools and Accessories

| Type | Size in | Qty | Make | Depth ft | Type | Size in | Qty | Make |
|--------------|---------|-----|------|----------|----------------|---------|-----|------|
| Guide Shoe | 8.625 | 1 | | 1025.47 | Top Plug | 8.625 | 1 | HES |
| Float Shoe | 8.625 | 1 | | 47.47 | Bottom Plug | 8.625 | | |
| Float Collar | 8.625 | 1 | | 978 | SSR plug set | 8.625 | | |
| 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 Spacer | 20 | bbl | 8.33 | | | 2 | |
| 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 | VARICEM (TM) CEMENT | 105 | sack | 12.3 | 2.45 | | 5 | 14.17 |
| 14.10 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 | 115 | sack | 12.8 | 2.18 | | 6 | 12.11 |
| 12.05 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 |
| 4 | Displacement | Water Displacement | 59.6 | Bbl | 8.33 | | | 6 | |
| | | FRESH WATER | | | | | | | |
| Cement Left In Pipe | | Amount | 48 ft | | Reason | | | Shoe Joint | |
| Comment | | | | | | | | | |

3.5 Job Event Log

| Type | Seq. No. | Activity | Graph Label | Date | Time | Source | DH Density (ppg) | Comb Pump Rate (bbl/min) | PS Pump Press (psi) | Pump Stg Tot (bbl) | Comments |
|-------|----------|---------------------------------------|---------------------------------------|-----------|----------|--------|------------------|--------------------------|---------------------|--------------------|--|
| Event | 1 | Call Out | Call Out | 1/24/2015 | 06:00:00 | USER | | | | | CREW CALLED OUT FOR JOB |
| Event | 2 | Pre-Convoy Safety Meeting | Pre-Convoy Safety Meeting | 1/24/2015 | 08:45:00 | USER | | | | | EQUIPMENT CHECKED OUT AND EVERYTHING READY FOR JOB CREW FIT FOR DUTY |
| Event | 3 | Crew Leave Yard | Crew Leave Yard | 1/24/2015 | 09:00:00 | USER | | | | | 1 HT 400 PUMP TRUCK E #9, 1 660 BULK TRUCK, 1 550 PICKUP |
| Event | 4 | Arrive At Loc | Arrive At Loc | 1/24/2015 | 11:00:00 | USER | | | | | RIG RUNNING CASING UPON HES ARRIVAL |
| Event | 5 | Assessment Of Location Safety Meeting | Assessment Of Location Safety Meeting | 1/24/2015 | 11:30:00 | USER | | | | | PERFORMED JSA AND WATER ANALYSIS |
| Event | 6 | Other | Spot Equipment | 1/24/2015 | 12:30:00 | USER | | | | | 1 HT 400 PUMP TRUCK E #9, 1 660 BULK TRUCK, 1 550 PICKUP |
| Event | 7 | Pre-Rig Up Safety Meeting | Pre-Rig Up Safety Meeting | 1/24/2015 | 12:45:00 | USER | | | | | ALL OF HES EMPLOYEES ATTENDED |
| Event | 8 | Rig-Up Equipment | Rig-Up Equipment | 1/24/2015 | 13:00:00 | USER | | | | | 1 HT 400 PUMP TRUCK E #9, 1 660 BULK TRUCK, 1 550 PICKUP |
| Event | 9 | Rig-Up Completed | Rig-Up Completed | 1/24/2015 | 14:00:00 | USER | | | | | NO ISSUES, NOTHING OUT OF ORDINARY |

| Type | Seq. No. | Activity | Graph Label | Date | Time | Source | DH Density (ppg) | Comb Pump Rate (bbl/min) | PS Pump Press (psi) | Pump Stg Tot (bbl) | Comments |
|-------|----------|------------------------|------------------------|-----------|----------|--------|------------------|--------------------------|---------------------|--------------------|---|
| Event | 10 | Pre-Job Safety Meeting | Pre-Job Safety Meeting | 1/24/2015 | 14:15:00 | USER | | | | | ALL OF HES EMPLOYEES ATTENDED, AND RIG CREW |
| Event | 11 | Start Job | Start Job | 1/24/2015 | 14:29:30 | COM8 | | | | | TD 1034' OF A 12 1/4" OH, TP 1025.47' OF 8 5/8" SURFACE CASING 32# J-55 WITH A SJ OF 47.47', WF/WT 9.3 PPG VIS 43 |
| Event | 12 | Prime Pumps | Prime Lines | 1/24/2015 | 14:30:55 | USER | 8.33 | 2.0 | 43 | 1.5 | PRIME LINES WITH FRESH WATER |
| Event | 13 | Test Lines | Test Lines | 1/24/2015 | 14:35:57 | COM8 | | | 3657 | | KICK OUT WORKED, STALLED OUT AT 1580 PSI, PRESSURE HELD AT 3657 PSI FALLING 1 LB EVERY 4 SECONDS |
| Event | 14 | Pump Spacer 1 | Pump H2O Spacer | 1/24/2015 | 14:38:51 | COM8 | 8.33 | 2.0 | 52 | 20 | FRESH WATER |
| Event | 15 | Check Weight | Check weight | 1/24/2015 | 14:53:18 | COM8 | | | | | MUD SCALES MATCHED RECIRC DENSITY |
| Event | 16 | Pump Lead Cement | Pump Lead Cement | 1/24/2015 | 14:56:53 | COM8 | 12.3 | 5.0 | 108 | 45.8 | 105 SKS VARICEM CMT, 12.3 PPG, 2.45 YIELD, 14.17 GAL/SK |
| Event | 17 | Pump Tail Cement | Pump Tail Cement | 1/24/2015 | 15:06:12 | COM8 | 12.8 | 6.0 | 110 | 45.8 | 115 SKS VARICEM CMT, 12.8 PPG. 2.18 YIELD, 12.11 GAL/SK |
| Event | 18 | Check Weight | Check Weight | 1/24/2015 | 15:07:55 | USER | | | | | MUD SCALES MATCHED RECIRC DENSITY |

| Type | Seq. No. | Activity | Graph Label | Date | Time | Source | DH Density (ppg) | Comb Pump Rate (bbl/min) | PS Pump Press (psi) | Pump Stg Tot (bbl) | Comments |
|-------|----------|--|--|-----------|----------|--------|------------------|--------------------------|---------------------|--------------------|---|
| Event | 19 | Shutdown | Shutdown | 1/24/2015 | 15:16:07 | USER | | | | | END OF CMT |
| Event | 20 | Drop Top Plug | Drop Top Plug | 1/24/2015 | 15:19:06 | USER | | | | | VERIFIED BY TATTLE TAIL |
| Event | 21 | Pump Displacement | Pump Displacement | 1/24/2015 | 15:20:26 | COM8 | 8.33 | 6.0 | 245 | 50 | FRESH WATER |
| Event | 22 | Slow Rate | Slow Rate | 1/24/2015 | 15:31:20 | USER | 8.33 | 2.0 | 221 | 10 | SLOWED WHEN CMT CAME TO SURFACE 10 BBLS CMT BACK TO SURFACE |
| Event | 23 | Bump Plug | Bump Plug | 1/24/2015 | 15:38:08 | COM8 | 8.33 | 2.0 | 240 | 60 | PLUG BUMPED |
| Event | 24 | Check Floats | Check Floats | 1/24/2015 | 15:39:59 | USER | | | 900 | | FLOATS HELD |
| Event | 25 | End Job | End Job | 1/24/2015 | 15:40:54 | COM8 | | | | | 10 BBLS CMT TO SURFACE .5 BBL FLOW BACK |
| Event | 26 | Post-Job Safety Meeting (Pre Rig-Down) | Post-Job Safety Meeting (Pre Rig-Down) | 1/24/2015 | 16:00:00 | USER | | | | | ALL OF HES EMPLOYEES ATTENDED |
| Event | 27 | Rig-Down Equipment | Rig-Down Equipment | 1/24/2015 | 16:15:00 | USER | | | | | 1 HT 400 PUMP TRUCK E #9, 1 660 BULK TRUCK, 1 550 PICKUP |
| Event | 28 | Rig-Down Completed | Rig-Down Completed | 1/24/2015 | 17:30:00 | USER | | | | | NO INJURIES TO REPORT |
| Event | 29 | Pre-Convoy Safety Meeting | Pre-Convoy Safety Meeting | 1/24/2015 | 17:45:00 | USER | | | | | ALL OF HES EMPLOYEES ATTENDED |
| Event | 30 | Crew Leave Location | Crew Leave Location | 1/24/2015 | 18:00:00 | USER | | | | | THANK YOU FOR USING HALLIBURTON CMT |