

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		Srv Supervisor: Carlton Kukus	

### Job

Formation Name	
Formation Depth (MD)	Top
Form Type	BHST
Job depth MD	1957ft
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	ECONOCHEM (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/min	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/min	Total Mix Fluid Gal
4	Displacment Fluid	Displacment 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