

Ursa Resources Group II LLC

Watson Ranch B 33A-17-07-95

**Craig 7**

## **Post Job Summary**

# **Cement Surface Casing**

Date Prepared: 3/31/2015

Job Date: 3/11/2015

Submitted by: Patrick Ealey – Grand Junction Cement Engineer

*The Road to Excellence Starts with Safety*

Sold To #: 369755	Ship To #: 3645072	Quote #: 0022014211	Sales Order #: 0902213414
Customer: URSA RESOURCES GROUP II LLC		Customer Rep: GRAIG SMITH	
Well Name: WATSON RANCH B		Well #: 33A-17-07-95	API/UWI #: 05-045-22800-00
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SE SW-17-7S-95W-1069FSL-1928FWL			
Contractor: CRAIG DRLG		Rig/Platform Name/Num: CRAIG 7	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB80977		Srvc Supervisor: John Keane	
Job			

Formation Name			
Formation Depth (MD)	Top	Bottom	
Form Type		BHST	200 degF
Job depth MD	1795ft	Job Depth TVD	1795 FT
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	1795	0	1795
Open Hole Section			12.25				0	1822	0	1822

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	8.625		1	1795		Top Plug	8.625	1	HES
Float Shoe	8.625					Bottom Plug			
Float Collar	8.625		1	1748.3		SSR plug set			
Insert Float	8.625					Plug Container	8.625	1	HES
Stage Tool	8.625					Centralizers			

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	VARICEM (TM) CEMENT	285	sack	12.3	2.449		6	14.1	
0.25 lbm			POLY-E-FLAKE (101216940)							

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
3	Tail Cement	VARICEM (TM) CEMENT	125	sack	12.8	2.18		6	12.11
0.25 lbm		POLY-E-FLAKE (101216940)							
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
4	Displacement	Displacement	106.5	bbl	8.33			6	
Cement Left In Pipe									
Cement Left In Pipe	Amount	44 ft	Reason					Shoe Joint	
Comment 35 BBL CEMENT CIRCULATED TO SURFACE									

## 4.5 Job Event Log

Type	Seq. No.	Activity	Date	Time	Source	Pass-Side Pump Pressure (psi)	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Pump Stage Total (bbl)	Comments
Event	1	Call Out	3/11/2015	06:00:00	USER					
Event	2	Pre-Convoy Safety Meeting	3/11/2015	08:45:00	USER					WITH HES
Event	3	Arrive At Loc	3/11/2015	10:15:00	USER					RIG RUNNING CASING UPON HES ARRIVAL
Event	4	Assessment Of Location Safety Meeting	3/11/2015	11:45:00	USER					WITH HES
Event	5	Pre-Rig Up Safety Meeting	3/11/2015	14:45:00	USER					WITH HES
Event	6	Rig-Up Equipment	3/11/2015	15:00:00	USER					1 ELITE, 2 660 FT3 BULK TRUCKS, 1 F-450, 1 LINE RAN TO THE FLOOR
Event	7	Pre-Job Safety Meeting	3/11/2015	15:40:00	USER					WITH HES, URSA, AND CRAIG'S 7
Event	8	Start Job	3/11/2015	15:51:00	COM5					TD 1822 FT, TP 1794.82 FT, CSG 8.625 IN 32 LB/FT J-55, HOLE 12.25 IN, SHOE 46.52 FT, MWT 9.5 LB/GAL WBM
Event	9	Prime Pumps	3/11/2015	15:54:17	COM5	56.00	8.33	2.00	2.0	RETURNS AT 1 BBL AWAY
Event	10	Test Lines	3/11/2015	15:57:20	COM5	3171.00	8.43	0.00	2.0	3171 PSI, PRESSURE HOLDING
Event	11	Pump Spacer 1	3/11/2015	15:59:35	COM5	124.00	8.33	4.00	20.0	
Event	12	Pump Lead Cement	3/11/2015	16:10:20	USER	149.00	12.30	6.00	124.4	MIXED AT 12.3 LB/GAL, 285 SKS, 2.45 FT3/SK, 14.1 GAL/SK, DENSITY VERIFIED USING PRESSURIZED MUD SCALES
Event	13	Pump Tail Cement	3/11/2015	16:30:07	COM5	116.00	12.80	6.00	48.5	MIXED AT 12.8 LB/GAL, 125 SKS, 2.18 FT3/SK, 12.11 GAL/SK, DENSITY VERIFIED USING PRESSURIZED MUD SCALES
Event	14	Shutdown	3/11/2015	16:38:39	USER	130.00	13.00	6.00	48.5	
Event	15	Drop Top Plug	3/11/2015	16:41:04	USER	-1.00	0.00	0.00	48.5	PLUG LAUNCHED

Type	Seq. No.	Activity	Date	Time	Source	Pass-Side Pump Pressure (psi)	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Pump Stage Total (bbl)	Comments
Event	16	Pump Displacement	3/11/2015	16:42:16	COM5	387.00	8.33	6.00	70.0	FRESH WATER
Event	17	Slow Rate	3/11/2015	16:55:38	USER	330.00	8.37	6.00	36.5	SLOWED AT 70 BBL AWAY
Event	18	Bump Plug	3/11/2015	17:11:31	COM5	390.00	8.40	0.00	106.5	PLUG BUMPED AT CALCULATED DISPLACEMENT
Event	19	Check Floats	3/11/2015	17:13:01	USER	942.00	8.41	0.00	106.5	FLOATS NOT HOLDING, 1.25 BBL RETURNED TO THE TRUCK
Event	20	Pressure Up	3/11/2015	17:15:25	USER	1052.00	8.41	0.00	106.5	PUMPED BACK 1.5 BBL, PRESSURE HOLDING
Event	21	Check Floats	3/11/2015	17:19:38	USER	0.00	8.42	0.00	106.5	FLOATS HOLDING, 1 BBL RETURNED TO THE TRUCK
Event	22	End Job	3/11/2015	17:23:58	COM5					GOOD CIRCULATION, PIPE WAS STATIC, NO ADD HOURS CHARGED, RIG USED 20 LBS SUGAR, 35 BBL CEMENT CIRCULATED TO SURFACE
Event	23	Pre-Rig Down Safety Meeting	3/11/2015	17:30:00	USER					WITH HES
Event	24	Rig-Down Equipment	3/11/2015	17:45:00	USER					
Event	25	Pre-Convoy Safety Meeting	3/11/2015	18:30:00	USER					WITH HES
Event	26	Crew Leave Location	3/11/2015	18:45:00	USER					
Event	27	Close Multiple Stage Cementer	3/11/2015	18:50:00	USER					THANKS FOR USING HALLIBURTON, JOHN KEANE AND CREW