

URSA RESOURCES GROUP II LLC

Watson Ranch B 33D-17-07-95

## **Post Job Summary**

# **Cement Surface Casing**

Date Prepared: 03/31/15  
Job Date: 03/23/15

Submitted by: Jenna Cook - Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 369755	Ship To #: 369755	Quote #: 0022013957	Sales Order #: 0902214335
Customer: URSA RESOURCES GROUP II LLC		Customer Rep: Craig Smith	
Well Name: WATSON RANCH B 33D-	Well #: 17-07-95	API/UWI #: 05045228080000	
Field:	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
<b>Legal Description:</b>			
Contractor: CRAIG DRLG		Rig/Platform Name/Num: CRAIG 7	
Job BOM: 7521			
Well Type: OIL & GAS WELL			
Sales Person: HALAMERICA\HB80977		Srvc Supervisor: Carlton Kukus	

**Job**

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST 200 degF
Job depth MD	1788ft		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	3	8.625	7.921	32	LTC	J-55	0	1788	0	1788
Open Hole Section			12.25				0	1821	0	1821

**Tools and Accessories**

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	8.625	1		1788	Top Plug	8.625	1	HES
Float Shoe	8.625	1			Bottom Plug	8.625		HES
Float Collar	8.625	1		1742	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	VARICEM (TM) CEMENT	285	sack	12.3	2.46	14.17	6	

0.25 lbm		POLY-E-FLAKE (101216940)							
<b>Fluid #</b>	<b>Stage Type</b>	<b>Fluid Name</b>	<b>Qty</b>	<b>Qty UoM</b>	<b>Mixing Density lbm/gal</b>	<b>Yield ft3/sack</b>	<b>Mix Fluid Gal</b>	<b>Rate bbl/mi n</b>	<b>Total Mix Fluid Gal</b>
3	Tail Cement	VARICEM (TM) CEMENT	125	sack	12.8	2.18	12.11	6	
0.25 lbm		POLY-E-FLAKE (101216940)							
<b>Fluid #</b>	<b>Stage Type</b>	<b>Fluid Name</b>	<b>Qty</b>	<b>Qty UoM</b>	<b>Mixing Density lbm/gal</b>	<b>Yield ft3/sack</b>	<b>Mix Fluid Gal</b>	<b>Rate bbl/mi n</b>	<b>Total Mix Fluid Gal</b>
4	Displacement	Displacement	106.1	bbl	8.33			6	
<b>Cement Left In Pipe</b>		<b>Amount</b>	44 ft		<b>Reason</b>		Shoe Joint		
<b>Comment</b> 27 BBLS OF CEMENT TO SURFACE, RIG USED 30 POUNDS OF SUGAR									

## 1.0 Real-Time Job Summary

### 1.1 Job Event Log

Type	Seq. No.	Activity	Date	Time	Source	DH Density (ppg)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comb Pump Rate (bbl/min)	Comments
Event	1	Call Out	3/22/2015	16:00:00	USER					ALL HES CREW
Event	2	Pre-Convoy Safety Meeting	3/22/2015	17:30:00	USER					JOURNEY CREATED, ALL HES INVOLVED TO DISCUSS DRIVING HAZARDS
Event	3	Crew Leave Yard	3/22/2015	17:35:00	USER					1-F-550 PICKUP, 1-ELITE PUMP TRUCK, 2-660 BULK TRUCKS
Event	4	Arrive At Loc	3/22/2015	20:00:00	USER					HES ARRIVED 2 HOURS EARLY
Event	5	Assessment Of Location Safety Meeting	3/22/2015	20:15:00	USER					RIG WAS RUNNING CASING, HES WAITED TO SPOT EQUIPMENT DUE TO CASING IN THE WAY
Event	6	Pre-Rig Up Safety Meeting	3/22/2015	22:15:00	USER					JSA FILLED OUT AND DISCUSSED, ALL HES INVOLVED TO DISCUSS RIG UP HAZARDS
Event	7	Rig-Up Equipment	3/22/2015	22:30:00	USER					RIG UP IRON TO THE PLUG CONTAINER, WATER HOSES TO UPRIGHTS AND BULK EQUIPMENT TO THE PUMP TRUCK
Event	8	Rig-Up Completed	3/22/2015	23:15:00	USER					COMPLETED
Event	9	Pre-Job Safety Meeting	3/22/2015	23:30:00	USER					ALL HES AND RIG CREW TO DISCUSS JOB
Event	10	Start Job	3/22/2015	23:36:48	USER					TD: 1821FT TP: 1788.47FT SJ: 46.66FT OH: 12.25 CSG: 8.625 32# J-55 MUD WT: 9.4 VISC: 34

Event	11	Prime Pumps	3/22/2015	23:38:09	USER	8.32	52	2	2	FILL LINES TO PRESSURE TEST
Event	12	Test Lines	3/22/2015	23:41:27	COM5	8.38	3270	2		PRESSURE TEST LINES TO 3000 PSI, PRESSURE TEST OK
Event	13	Pump Spacer 1	3/22/2015	23:45:41	COM5	8.27	98	20	4	20 BBL WATER SPACER
Event	14	Check Weight	3/22/2015	23:46:55	COM5					CHECKED WEIGHT OF CEMENT BEFORE PUMPING
Event	15	Pump Lead Cement	3/22/2015	23:51:09	COM5	12.3	100	124.8	6	285 SKS (124.8BBLs) OF VARICEM CEMENT 12.3PPG 2.46YIELD 14.17GAL/SK WEIGHT OF CEMENT VERIFIED VIA MUD SCALES THROUGHOUT LEAD CEMENT
Event	16	Pump Tail Cement	3/23/2015	00:13:00	COM5	12.8	84	48.5	6	125 SKS (48.5BBLs) OF VARICEM CEMENT 12.8PPG 2.18YIELD 12.11GAL/SK WEIGHT OF CEMENT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT
Event	17	Shutdown	3/23/2015	00:20:54	USER					SHUTDOWN END OF CEMENT, HES WASHED UP ON TOP OF THE PLUG AND READY TANKS FOR DISPLACEMENT
Event	18	Drop Top Plug	3/23/2015	00:24:11	USER					PLUG AWAY NO PROBLEMS
Event	19	Pump Displacement	3/23/2015	00:24:43	COM5	8.34	450	79	6	HES WASHED UP ON TOP OF PLUG, FRESH WATER DISPLACEMENT
Event	20	Slow Rate	3/23/2015	00:39:12	USER	8.39	320	27.1	2	SLOW RATE TO 2BBL/MIN WHEN CEMENT REACHES SURFACE PER COMPANY REPS REQUEST AND TO BUMP THE PLUG

Event	21	Bump Plug	3/23/2015	00:52:10	USER	8.32	400	106.1	2	BUMPED PLUG AT 400 PSI, TOOK TO 1100 PSI
Event	22	Check Floats	3/23/2015	00:53:28	USER	8.36	1100	106.1		FLOATS HELD 1 BBL BACK TO TANKS, 27 BBLS OF CEMENT TO SURFACE, RIG USED 30 POUND OF SUGAR
Event	23	End Job	3/23/2015	00:54:44	COM5					THANK YOU FOR CHOOSING HALLIBURTON CEMENT CARL KUKUS AND CREW
Event	24	Pre-Rig Down Safety Meeting	3/23/2015	00:56:09	USER					ALL HES TO DISCUSS RIG DOWN HAZARDS
Event	25	Rig-Down Equipment	3/23/2015	01:00:00	USER					WASH UP AND BLOW DOWN PUMP TRUCK, RIG DOWN ALL EQUIPMENT AND RACK UP
Event	26	Rig-Down Completed	3/23/2015	01:45:00	USER					COMPLETED
Event	27	Pre-Convoy Safety Meeting	3/23/2015	02:00:00	USER					JOURNEY CREATED, ALL HES INVOLVED IN MEETING TO DISCUSS DRIVING HAZARDS
Event	28	Crew Leave Location	3/23/2015	02:15:00	USER					1-F-550 PICKUP, 1-ELITE PUMP TRUCK, 2-660 BULK TRUCKS