

URSA RESOURCES GROUP II LLC

BAT 24C-24-07-96

**Craig 7**

## **Post Job Summary**

# **Cement Surface Casing**

Date Prepared: 09/29/14

Job Date: 09/23/14

Submitted by: Aaron Katz - Cement Engineer

## The Road to Excellence Starts with Safety

Sold To #: 369755		Ship To #: 3522000		Quote #:		Sales Order #: 0901687851	
Customer: URSA RESOURCES GROUP II LLC				Customer Rep: Craig Smith			
Well Name: BAT			Well #: 24C-24-07-96			API/UWI #: 05-045-22418-00	
Field: WILDCAT		City (SAP): PARACHUTE		County/Parish: GARFIELD		State: COLORADO	
Legal Description: NE SW-24-7S-96W-1820FSL-2039FWL							
Contractor:				Rig/Platform Name/Num: Craigs 7			
Job BOM: 7521							
Well Type: DIRECTIONAL GAS							
Sales Person: HALAMERICA\HX23209				Srvc Supervisor: Christopher Kukus			
Job							

Formation Name			
Formation Depth (MD)	Top	0	Bottom
Form Type			BHST
Job depth MD	1837ft		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	0	8.625	8.097	32	LTC	J-55	0	1837	0	0
Open Hole Section			12.25				0	1837	0	0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	8.625	1		1812		Top Plug	8.625	1	HES
Float Shoe	8.625					Bottom Plug	8.625		HES
Float Collar	8.625	1		1768		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	310	sack	12.3	2.45		6	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		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	107.7	bbl	8.34			7	
Cement Left In Pipe		Amount	44 ft		Reason		Shoe Joint		
Comment									

## 1.1 Job Event Log

Type	Seq No.	Graph Label	Date	Time	Source	PS Pump Press (psi)	DH Density (ppg)	Comb Pump Rate (bbl/min)	Pump Stg Tot (bbl)	Comment
Event	1	Call Out	9/22/2014	17:00:45	USER					HES CREW WAS CALLED OUT AT 17:00 WITH A ONLOCATION TIME OF 00:00
Event	2	Pre-Convoy Safety Meeting	9/22/2014	20:50:52	USER					ALL HES EMPLOYEES
Event	3	Crew Leave Yard	9/22/2014	21:00:05	USER					HES CREW LEFT YARD AT 21:00
Event	4	Arrive at Rig	9/22/2014	22:00:13	USER					HES CREW ARRIVED TWO HOURS EARLY DID NOT START CHARGING TIME UNTIL ON LOCATION TIME, CREW WAITED OFF LOCATION FOR RIG TO FINISH RUNNING CASING BEFORE RIG UP
Event	5	Assessment Of Location Safety Meeting	9/23/2014	07:00:20	USER					ALL HES EMPLOYEES
Event	6	Pre-Rig Up Safety Meeting	9/23/2014	07:20:34	USER					ALL HES EMPLOYEES
Event	7	Rig-Up Equipment	9/23/2014	07:30:49	USER					RIG UP IRON TO CASING, FRESH WATER LINE FROM UP RIGHT, BULK LINES FROM BULK TRUCKS
Event	8	Pre-Job Safety Meeting	9/23/2014	09:10:57	USER					ALL PERSONEL ON LOCATION
Event	9	Start Job	9/23/2014	09:25:06	USER					TD: 1837' TP: 1812.11' SJ: 44.11' CSG: 8 5/8 32# J-55 OH: 12 1/4 CONDUCTOR: 60' 16" J-55 MUD WT: 9 VISC: 38 RIG CIRCULATED FOR 2 HOURS BEFORE CEMENT JOB WELL HAD FULL RETURNS
Event	10	Prime Pumps	9/23/2014	09:29:16	COM5	56.0	8.34	2.0	2.0	PRIME LINES WITH FRESH WATER FILL WITH 6X5 THEN ENGAGE HT PUMP
Event	11	Test Lines	9/23/2014	09:30:57	COM5	3606.0	8.19	0.00	2.0	PRESSURE TEST OK AT 3600 PSI
Event	12	Pump Spacer 1	9/23/2014	09:39:09	COM5	38.00	8.41	4.0	20.0	PUMP 20 BBL FRESH WATER SPACER
Event	13	Pump Lead Cement	9/23/2014	09:48:17	COM5	119.00	12.32	5.0	135.3	ECONOCEM 310SKS 12.3 PPG 2.45 YIELD 14.17 GAL/SK LEAD CEMENT WEIGHT VERIFIED VIA MUD SCALES WET AND DRY SAMPLES WERE TAKEN AND LEFT ON LOCATION

Event	14	Slow Rate	9/23/2014	09:57:26	USER	66.00	12.37	5.0	55.4	HES HAD TO SLOW PUMP RATE DUE TO RIG PUMP NOT KEEPING UP WITH RETURNS
Event	15	Pump Tail Cement	9/23/2014	10:13:56	COM5	32.00	12.85	5.00	54.4	VARICEM 140 SKS 12.8 PPG 2.18 YIELD 12.11 GAL/SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES WET AND DRY SAMPLES WERE TAKEN AND LEFT ON LOCATION
Event	16	Shutdown	9/23/2014	10:23:55	USER	3.00	12.86	0.00	54.4	SHUTDOWN END OF CEMENT READY TANKS FOR DISPLACEMENT
Event	17	Drop Top Plug	9/23/2014	10:25:51	COM5					DROP TOOP PLUG AWAY NO ISSUES
Event	18	Pump Displacement	9/23/2014	10:27:54	COM5	355.0	8.43	7.0	107.7	PUMP 107.7 BBLS OF FRESH WATER DISPLACEMENT HES WASHED UP ON TOP OF PLUG PER CO REP REQUEST
Event	19	Slow Rate	9/23/2014	10:41:58	USER	379.00	8.40	2.0	97.7	SLOW RATE WHEN CEMENT TO SURFACE PER CO REP REQUEST AND TO BUMP PLUG
Event	20	Bump Plug	9/23/2014	10:53:37	COM5	394.0	8.53	0.00	107.7	BUMP PLUG AT 394 PSI AND WAS TOOK TO 1070 PSI
Event	21	Check Floats	9/23/2014	10:56:18	USER	1074.00	8.43	0.00	107.7	FLOATS HELD WITH .5 BBL BACK TO THE DISPLACEMENT TANK
Event	22	End Job	9/23/2014	10:57:09	COM5					JOB WENT WELL WITH NO ISSUES 40 LBS OF SUGAR WAS USED AND 27 BBLS OF CEMENT TO SURFACE
Event	23	Post-Job Safety Meeting (Pre Rig-Down)	9/23/2014	11:05:46	USER					ALL HES EMPLOYEES
Event	24	Pre-Rig Down Safety Meeting	9/23/2014	11:10:58	USER					ALL HES EMPLOYEES
Event	25	Rig-Down Equipment	9/23/2014	11:20:10	USER					RIG DOWN IRON , FRESH WATER LINES, BULK LINES, WASH UP PUMP TO RIG PIT
Event	26	Pre-Convoy Safety Meeting	9/23/2014	11:50:21	USER					ALL HES EMPLOYEES
Event	27	Crew Leave Location	9/23/2014	12:00:35	USER					THANK YOU FOR USING HALLIBURTON CEMENT CHRIS KUKUS AND CREW HAVE A NICE DAY