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**URSA RESOURCES GROUP II LLC**

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**FREI A1  
KOKOPELLI  
Garfield County , Colorado**

**Cement Surface Casing  
01-Feb-2014**

**Post Job Report**

## The Road to Excellence Starts with Safety

Sold To #: 369755	Ship To #: 3122865	Quote #:	Sales Order #: 901087344
Customer: URSA RESOURCES GROUP II LLC	Customer Rep: Wychgram, Hans		
Well Name: FREI	Well #: A1	API/UWI #: 05-045-19958	
Field: KOKOPELLI	City (SAP): NEW CASTLE	County/Parish: Garfield	State: Colorado
Contractor: CRAIG	Rig/Platform Name/Num: #6		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: CORMIER, ALLISON	Srv Supervisor: ARNOLD, EDWARD	MBU ID Emp #: 439784	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ARNOLD, EDWARD John	5.5	439784	LAULAINEN, ROGER Edward	5.5	524413	MARTIN, DILLON Ray	5.5	478664

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
	60 mile	10551730C	60 mile	11139330	60 mile	11259882	60 mile
11808841	60 mile						

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
2014-02-01	5.5	5						
TOTAL	Total is the sum of each column separately							

### Job

JOB						JOB TIMES					
Formation Name							Date	Time	Time Zone		
Formation Depth (MD)		Top			Bottom		Called Out	01 - Feb - 2014	15:00	MST	
Form Type					BHST		On Location	01 - Feb - 2014	19:00	MST	
Job depth MD		1072. ft			Job Depth TVD		1072. ft	Job Started	01 - Feb - 2014	21:11	MST
Water Depth					Wk Ht Above Floor		5. ft	Job Completed	01 - Feb - 2014	22:14	MST
Perforation Depth (MD)		From			To		Departed Loc	01 - Feb - 2014	23:15	MST	

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
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### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,8 5/8,HWE,7.20 MIN/8.09 MA	1	EA		
SUGAR - GRANULATED	100	LB		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	8 5/8"	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	8 5/8"	1	HES
Stage Tool										Centralizers			

### Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

### Fluid Data

Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

Stage/Plug #: 1

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water		10.00	bbl	8.34	.0	.0	4	
2	VariCem GJ 1	VARICEM (TM) CEMENT (452009)	130.0	sacks	12.3	2.38	13.77	5	13.77
13.77 Gal		FRESH WATER							
3		VariCem GJ 1							
11.77 Gal		FRESH WATER							
Calculated Values	Pressures	VARICEM (TM) CEMENT (452009)	150.0	sacks	12.8	2.11	11.77	5	11.77
	Displacement	63.6							
	Top Of Cement	SURFACE							
	Frac Gradient								
Rates									
Circulating		RIG							
Cement Left In Pipe		Amount		Volumes					
Frac Ring # 1 @		Shut In: Instant		Lost Returns		Cement Slurry	111.4	Pad	
The Information Stated Herein Is Correct	Customer Representative Signature	5 Min		Cement Returns	60	Actual Displacement	63.6	Treatment	
		15 Min		Spacers	10	Load and Breakdown		Total Job	185

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<b>Well Name:</b> FREI			<b>Well #:</b> A1			<b>API/UWI #:</b> 05-045-19958	
<b>Field:</b> KOKOPELLI		<b>City (SAP):</b> NEW CASTLE		<b>County/Parish:</b> Garfield		<b>State:</b> Colorado	
<b>Legal Description:</b>							
<b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.				<b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs.			
<b>Contractor:</b> CRAIG			<b>Rig/Platform Name/Num:</b> #6				
<b>Job Purpose:</b> Cement Surface Casing						<b>Ticket Amount:</b>	
<b>Well Type:</b> Development Well			<b>Job Type:</b> Cement Surface Casing				
<b>Sales Person:</b> CORMIER, ALLISON			<b>Srvc Supervisor:</b> ARNOLD, EDWARD			<b>MBU ID Emp #:</b> 439784	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	02/01/2014 15:00							
Pre-Convoy Safety Meeting	02/01/2014 16:45							Including entire cement crew.
Crew Leave Yard	02/01/2014 17:00							
Arrive At Loc	02/01/2014 19:00							Rig still Running casing.
Assessment Of Location Safety Meeting	02/01/2014 19:05							Water; PH 8; KCL 200; So4 <200; Fe 0; Calcium 250; Chlorides 0; Temp 40.
Pre-Rig Up Safety Meeting	02/01/2014 19:45							Including entire cement crew.
Rig-Up Equipment	02/01/2014 20:00							1 Elite # 2; 1 660 bulk truck; 1 hard line to floor; 1 line to upright; 1 line to rig tank. 8.625" compact head.
Rig-Up Completed	02/01/2014 20:45							
Pre-Job Safety Meeting	02/01/2014 20:55							Including everyone on location.
Start Job	02/01/2014 21:11							TD 1072; TP 1048.2; SJ 2.89; OH 12 1/4"; Casing 8.625" 32# J-55; Mud 9.5 ppg.
Pump Water	02/01/2014 21:11		2	2			77.0	Fill lines with fresh water.
Test Lines	02/01/2014 21:13					2980.0		Good pressure test, no leaks.
Pump Spacer 1	02/01/2014 21:19		4	20			77.0	20 BBL fresh water spacer.
Pump Lead Cement	02/01/2014 21:28		5	55.1			53.0	130 sks Lead Cement, 12.3 ppg, 2.38 cf3, 13.77 gal/sk.

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	02/01/2014 21:39		5	56.3			20.0	150 sks Tail Cement, 12.8 ppg, 2.11 cf3, 11.77 gal/sk.
Shutdown	02/01/2014 21:51							
Drop Plug	02/01/2014 21:52							Plug left container.
Pump Displacement	02/01/2014 21:53		5	53.6			266.0	Fresh water displacement.
Slow Rate	02/01/2014 22:05		2	10			230.0	Slow rate 10 BBL's prior to bumping the plug.
Bump Plug	02/01/2014 22:10				63.6		920.0	Bumped plug, took 500 PSI over. 60 BBL.'s good cement to surface. Good circulation throughout job.
Check Floats	02/01/2014 22:13							Floats held, 1/2 BBL back
End Job	02/01/2014 22:14							
Pre-Rig Down Safety Meeting	02/01/2014 22:20							Including entire cement crew.
Rig-Down Equipment	02/01/2014 22:25							
Rig-Down Completed	02/01/2014 23:00							
Pre-Convoy Safety Meeting	02/01/2014 23:10							Including entire cement crew.
Crew Leave Location	02/01/2014 23:15							Crew leave location for Service Center or another location.
Other	02/01/2014 23:15							Thank You for using Halliburton. Ed Arnold and Crew.