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**URSA RESOURCES GROUP II LLC**

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**FREI A4  
KOKOPELLI  
Garfield County , Colorado**

**Cement Surface Casing  
06-Feb-2014**

**Post Job Report**

## The Road to Excellence Starts with Safety

Sold To #: 369755	Ship To #: 3122859	Quote #:	Sales Order #: 901096594
Customer: URSA RESOURCES GROUP II LLC	Customer Rep:		
Well Name: FREI	Well #: A4	API/UWI #: 05-045-19952	
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: CARTER, ERIC	MBU ID Emp #:	345598

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CAMPBELL, DAVID Arthur	0.0	544403	CARTER, ERIC Earl	0.0	345598	LINN, PAUL Andrew	0.0	479143
ROBINSON, JAMES Daniel	0.0	560123						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10297346	60 mile	10872429	60 mile	10998054	60 mile	11583933	60 mile
11808833	60 mile						

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

TOTAL	Total is the sum of each column separately							
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## Job

Formation Name					Job Times			
Formation Depth (MD)	Top	Bottom			Called Out	Date	Time	Time Zone
Form Type	BHST				On Location			
Job depth MD	1500. ft		Job Depth TVD	1500. ft	Job Started	06 - Feb - 2014	21:15	MST
Water Depth			Wk Ht Above Floor	5. ft	Job Completed	06 - Feb - 2014	22:32	MST
Perforation Depth (MD)	From	To			Departed Loc	06 - Feb - 2014	23:30	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
OPEN HOLE				12.25				60.	1054.		
CONDUCTOR CASING	Unknown		16.	15.124	75.		J-55	.	60.		
SURFACE CASING	Unknown		8.625	7.921	32.		J-55	.	1030.		

Sales/Rental/3<sup>rd</sup> Party (HES)

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

## Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
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

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	.0		
2	VariCem GJ 1	VARICEM (TM) CEMENT (452009)	130.0	sacks	12.3	2.38	13.77	6.0	13.77	
	0.25 lbm	POLY-E-FLAKE (101216940)								
	0.25 %	D-AIR 5000, 50 LB SACK (102068797)								
	13.77 Gal	FRESH WATER								
3	VariCem GJ 1	VARICEM (TM) CEMENT (452009)	150.0	sacks	12.8	2.11	11.77	6.0	11.77	
	0.25 lbm	POLY-E-FLAKE (101216940)								
	0.25 %	D-AIR 5000, 50 LB SACK (102068797)								
	11.77 Gal	FRESH WATER								
4	DISPALCEMENT		60.00	bbl	8.33	.0	.0	4.0		
Calculated Values		Pressures		Volumes						
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job		
Rates										
Circulating		Mixing		Displacement		Avg. Job				
Cement Left In Pipe	Amount	44.03 ft	Reason	Shoe Joint						
Frac Ring # 1 @	ID		Frac ring # 2 @	ID		Frac Ring # 3 @	ID		Frac Ring # 4 @	ID
The Information Stated Herein Is Correct				Customer Representative Signature						

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<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> CARTER, ERIC	<b>MBU ID Emp #:</b> 345598

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	02/06/2014 14:30							
Depart Yard Safety Meeting	02/06/2014 17:50							ATTENDED BY ALL HES CREW
Crew Leave Yard	02/06/2014 18:00							
Arrive At Loc	02/06/2014 19:30							RIG RUNNING CASING
Assessment Of Location Safety Meeting	02/06/2014 19:40							ATTENDED BY ALL HES CREW
Other	02/06/2014 20:10							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	02/06/2014 20:20							ATTENDED BY ALL HES CREW
Rig-Up Equipment	02/06/2014 20:30							
Pre-Job Safety Meeting	02/06/2014 21:00							ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP
Start Job	02/06/2014 21:15							TP 1030', TD 1054', SJ 44.03', FC 985.97', MW 9.4 PPG, CASING 8.625", 32#, J-55, HOLE 12.25", CONDUCTOR CASING 16", 75# SET AT 60', 13 CENTRALIZERS, RIG CIRCULATED BOTTOMS UP PRIOR TO JOB
Other	02/06/2014 21:16		2	2			75.0	FILL LINES
Test Lines	02/06/2014 21:18							PRESSURED UP TO 2250 PSI LOW, 2920 PSI HIGH, PRESSURE HELD

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer	02/06/2014 21:23		4	10			83.0	FRESH WATER
Pump Lead Cement	02/06/2014 21:30		3.5	55.1			70.0	130 SKS VARICEM MIXED AT 12.3 PPG, 2.38 YIELD, 13.75 GL/SK
Pump Tail Cement	02/06/2014 21:46		3.5	56.4			20.0	15 SKS VARICEM MIXED AT 12.8 PPG, 2.11 YIELD, 11.75 GL/SK
Shutdown	02/06/2014 22:03							
Drop Top Plug	02/06/2014 22:04							PLUG LAUNCHED
Pump Displacement	02/06/2014 22:04		4	50			230.0	FRESH WATER
Slow Rate	02/06/2014 22:19		2	10			220.0	
Bump Plug	02/06/2014 22:25						980.0	PLUG LANDED
Check Floats	02/06/2014 22:31						990.0	FLOATS HELD
End Job	02/06/2014 22:32							GOOD CIRCULATION THROUGH OUT JOB, PIPE NOT MOVED DURING JOB, TRACES OF CEMENT AT 10 BBLS OF DISPLACEMENT PUMPED, 25 BBLS CEMENT TO SURFACE
Post-Job Safety Meeting (Pre Rig-Down)	02/06/2014 22:35							ATTENDED BY ALL HES CREW
Rig-Down Equipment	02/06/2014 22:40							
Depart Location Safety Meeting	02/06/2014 23:20							ATTENDED BY ALL HES CREW
Crew Leave Location	02/06/2014 23:30							THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW.