

# Cementing Job Summary

## The Road to Excellence Starts with Safety

Sold To #: 329846	Ship To #: 329846	Quote #:	Sales Order #: 8414353
Customer: PETROX RESOURCES INC		Customer Rep: Bates, Drew	
Well Name: Ellison 33-5	Well #: 29-1	API/UWI #:	
Field:	City (SAP): MEEKER	County/Parish: Rio Blanco	State: Colorado
Contractor: AWS	Rig/Platform Name/Num: AWS 507		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: SNYDER, RANDALL	Srvc Supervisor: TRIPLETT, MICHEAL	MBU ID Emp #: 447908	

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRANDT, NICHOLAS Wayne	11	487947	DEUSSEN, EDWARD Eric	11	485182	TRIPLETT, MICHEAL Anthony	11	447908

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10011433C	85 mile	10296152C	85 mile	10897797	85 mile	10948692	85 mile
11338239	85 mile						

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
08/22/2011	11	1						
TOTAL			Total is the sum of each column separately					

### Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Water Depth	Perforation Depth (MD)	From	To
				BHST	442. ft				
					Job Depth TVD	442. ft			
					Wk Ht Above Floor	4. ft			

### Job Times

Date	Time	Time Zone
22 - Aug - 2011	09:30	MST
22 - Aug - 2011	13:30	MST
22 - Aug - 2011	22:15	MST
22 - Aug - 2011	23:11	MST
22 - Aug - 2011	23:55	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
12 1/4" Open Hole				12.25					400.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55		400.		

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

Description	Qty	Qty uom	Depth	Supplier
SHOE,GID,9-5/8 8RD	1	EA		
V ASSY,INSR FLOAT,9 5/8 LG,8RD,F/ USE	1	EA		
CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED	4	EA		
COLLAR-STOP-9 5/8"-FRICTION-HINGED	1	EA		
PLUG,CMTG,TOP,WOODN,TWO CUP TY,9 5/8 IN	1	EA		
KIT,HALL WELD-A	1	EA		
SUGAR, GRANULATED, IMPERIAL	200	LB		
URANINE 2313-GREEN-DYE-1# SIZE, PER LB.	1	LB		

### 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			

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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	Water Spacer				0.00	bbl	8.33	.0	.0	4.0		
2	Dyed Water Spacer				0.00	bbl	8.33	.0	.0	4.0		
3	Surface Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)			230.0	sacks	15.8	1.17	5.01	5.0	5.01	
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)										
	3 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)										
	0.125 lbm	POLY-E-FLAKE (101216940)										
	5.013 Gal	FRESH WATER										
4	Water Displacement				0.00	bbl	8.33	.0	.0	5.0		
Calculated Values			Pressures			Volumes						
Displacement	30.9	Shut In: Instant				Lost Returns	0	Cement Slurry			Pad	
Top Of Cement	SURFACE	5 Min				Cement Returns	20	Actual Displacement	30.9	Treatment		
Frac Gradient		15 Min				Spacers	5	Load and Breakdown			Total Job	125
Rates												
Circulating	4	Mixing		4		Displacement	4	Avg. Job		4		
Cement Left In Pipe	Amount	43.14 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 <i>Jim Phillips</i>							

# Cementing Job Log

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Field:	City (SAP): MEEKER	County/Parish: Rio Blanco	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: AWS		Rig/Platform Name/Num: AWS 507	
Job Purpose: Cement Surface Casing		Ticket Amount:	
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: SNYDER, RANDALL		Srv Supervisor: TRIPLETT, MICHEAL	
		MBU ID Emp #: 447908	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	08/22/2011 09:30							
Pre-Convoy Safety Meeting	08/22/2011 10:55							
Crew Leave Yard	08/22/2011 11:00							
Arrive At Loc	08/22/2011 13:30							
Assessment Of Location Safety Meeting	08/22/2011 13:45							
Other	08/22/2011 21:30							SPOT EQUIPMENT, 1 RCM PUMP TRUCK, 1 660
Pre-Rig Up Safety Meeting	08/22/2011 21:35							GO OVER JSA AND HAVE CREW SIGN.
Rig-Up Equipment	08/22/2011 21:40							
Pre-Job Safety Meeting	08/22/2011 22:00							GO OVER SAFETY INFORMATION AND JOB PROCEDURES.
Start Job	08/22/2011 22:22							TD:442', TP:442.83', SJ:43.14', MW:8.8PPG, CASING: 9.625 36#, OH: 12.25"
Test Lines	08/22/2011 22:25							PRESSURE TEST PUMPS AND LINES, STARTED AT PSI, ENDED AT PSI AND LOST PSI IN TWO MINUTES.
Pump Spacer	08/22/2011 22:35		3	5			13.0	10 BBLS OF FRESHWATER, 10 BBLS OF FRESHWATER WITH RED DYE.

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Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	08/22/2011 22:39		4	47.9			73.0	230 SACKS MIXED @ 15.8, 1.17 YIELD, 5.01 GAL/SACK, LOST PRIME WHILE PUMPING CEMENT DOWNHOLE DENSITY WENT DOWN AND WASN'T MOVING FLUID. BROUGHT RATE UP AND STARTED MOVING FLUID AGAING AND DOWNHOLE STILL WASN'T READING RIGHT.
Shutdown	08/22/2011 22:52							
Drop Top Plug	08/22/2011 22:57							VERFY PLUG LEFT
Pump Displacement	08/22/2011 22:58		4	30.9			155.0	FRESHWATER
Bump Plug	08/22/2011 23:05						170.0	BUMP PLUG AND WENT 300PSI OVER TO 470PSI
Check Floats	08/22/2011 23:06							FLOATS DIDN'T HOLD GOT 1BBLs BACK. RE-BUMPED FLOATS AND PUT 150 PSI ON CASING AND CLOSED IN PRESSURE.
End Job	08/22/2011 23:11							GOOD CIRCULATION THROUGHOUT THE JOB. GOT CEMENT BACK WITH 10 BBLs OF DISPLACEMENT AWAY. GOT 20 BBLs OF CEMENT BACK TO SURFACE. 25# SUGAR USED. 3 ADDITIONAL HOURS CHARGED. HEAD AND 2" LEFT ON LOCATION.
Post-Job Safety Meeting (Pre Rig-Down)	08/22/2011 23:15							
Rig-Down Equipment	08/22/2011 23:20							
Pre-Convoy Safety Meeting	08/22/2011 23:50							

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Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Crew Leave Location	08/22/2011 23:55							THANKS FOR USING HALLIBURTON MIKE TRIPLETT AND CREW

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