

# Cementing Job Summary

**The Road to Excellence Starts with Safety**

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

**Job**

**Job Times**

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	22 - Aug - 2011	09:30	MST
Form Type		BHST	Job Started	22 - Aug - 2011	13:30	MST
Job depth MD	442. ft	Job Depth TVD	Job Started	22 - Aug - 2011	22:15	MST
Water Depth		Wk Ht Above Floor	Job Completed	22 - Aug - 2011	23:11	MST
Perforation Depth (MD)	From	To	Departed Loc	22 - Aug - 2011	23:55	MST

**Well Data**

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/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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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	
<b>Legal Description:</b>							
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			Srvc 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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