

# HALLIBURTON

## Cementing Job Summary

The Road to Excellence Starts with Safety

The Road to Excellence Starts With Safety			
Sold To #: 329846	Ship To #: 2874225	Quote #:	Sales Order #: 8440527
Customer: PETROX RESOURCES INC		Customer Rep: Bates, Drew	
Well Name: Ellison 33-5		Well #: 29-1	API/UWI #:
Field:	City (SAP): ARBOLES	County/Parish: Archuleta	State: Colorado
Contractor: AZTEC WELL SERVICE		Rig/Platform Name/Num: AWS 507	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: SNYDER, RANDALL	Srvc Supervisor: SMITH, DUSTIN		MBU ID Emp #: 418015

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRANDT, NICHOLAS Wayne		487947	SMITH, DUSTIN Michael		418015	TYLER, LUTHER		375283
WYCKOFF, RYAN Scott		476117						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025024	75 mile	10025039	75 mile	10724579	75 mile	10741115	75 mile
10948692	75 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

### Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
				BHST	2272. ft	2272. ft				
							Wk Ht Above Floor			5. ft

### Job Times

	Date	Time	Time Zone
Called Out	02 - Sep - 2011	20:30	MST
On Location	03 - Sep - 2011	00:00	MST
Job Started	03 - Sep - 2011	01:59	MST
Job Completed	03 - Sep - 2011	03:10	MST
Departed Loc	03 - Sep - 2011	05:30	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
8 3/4" Open Hole				8.75				400.	2280.		
7" Intermediate	Unknown		7.	6.366	23.		J-55	.	2280.		
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
CLR,FLT,7 8RD 17-26PPF,2-3/4SSII	1	EA		
SHOE,FLT,7 8RD,2-3/4 SS II VLV	1	EA		
CENTRALIZER-7"-CSG-8-1/2"-HINGED	8	EA		
CLAMP - LIMIT - 7 - HINGED -	1	EA		
KIT,HALL WELD-A	1	EA		
PLUG,CMTG,TOP,7,HWE,5.66 MIN/6.54 MAX CS	1	EA		
SUGAR, GRANULATED, IMPERIAL	75	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			

# HALLIBURTON

## Cementing Job Summary

Float Collar		Retainer		SSR plug set					
Insert Float				Plug Container					
Stage Tool				Centralizers					
<b>Miscellaneous Materials</b>									
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty				
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size				
<b>Fluid Data</b>									
<b>Stage/Plug #: 1</b>									
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		10.00	bbl	8.33	.0	.0	4.0	
2	Dyed Gel Spacer		10.00	bbl	8.4	.0	.0	4.0	
	0.2 gal/bbl	LGC-36 UC, BULK (101582749)							
3	Halliburton Light	HALLIBURTON LIGHT PREMIUM - SBM (12311)	260.0	sacks	12.3	1.92	9.73	5.0	9.73
	5 lbm	GILSONITE, BULK (100003700)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	9.73 Gal	FRESH WATER							
4	50/50 Poz Premium	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	135.0	sacks	15.6	1.18	5.18	5.0	5.18
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	0.4 %	HALAD(R)-344, 50 LB (100003670)							
	0.1 %	HALAD(R)-9, 50 LB (100001617)							
	0.1 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
	5.183 Gal	FRESH WATER							
5	Water Displacement			bbl	8.33	.0	.0	5.0	
<b>Calculated Values</b>			<b>Pressures</b>			<b>Volumes</b>			
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	
<b>Rates</b>									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					

# HALLIBURTON

## Cementing Job Log

*The Road to Excellence Starts with Safety*

Sold To #: 329846		Ship To #: 2874225		Quote #:		Sales Order #: 8440527	
Customer: PETROX RESOURCES INC				Customer Rep: Bates, Drew			
Well Name: Ellison 33-5			Well #: 29-1			API/UWI #:	
Field:		City (SAP): ARBOLES		County/Parish: Archuleta			State: Colorado
Legal Description:							
Lat:				Long:			
Contractor: AZTEC WELL SERVICE			Rig/Platform Name/Num: AWS 507				
Job Purpose: Cement Intermediate Casing						Ticket Amount:	
Well Type: Development Well			Job Type: Cement Intermediate Casing				
Sales Person: SNYDER, RANDALL			Srvc Supervisor: SMITH, DUSTIN			MBU ID Emp #: 418015	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/02/2011 20:30							ELITE # 9
Depart Yard Safety Meeting	09/02/2011 22:00							ALL HES EMPLOYEES
Arrive At Loc	09/03/2011 00:00							ARRIVED ON LOCATION RIG ON BOTTOM JUST STARTED CIRCULATING
Assessment Of Location Safety Meeting	09/03/2011 00:15							ALL HES EMPLOYEES
Pre-Rig Up Safety Meeting	09/03/2011 00:30							ALL HES EMPLOYEES
Rig-Up Equipment	09/03/2011 00:40							1 F-350 PICKUP 1 HT-400 PUMP TRUCK 2 660 BULK TRUCKS
Pre-Job Safety Meeting	09/03/2011 01:30							ALL HES EMPLOYEES AND RIG CREW
Rig-Up Completed	09/03/2011 01:55							RIG CIRCULATED FOR 1 1/2 HOUR PRIOR TO JOB NO PIPE MOVEMENT DURING CIRCULATION
Start Job	09/03/2011 01:59							TD: 2272 TP: 2252.62 SJ: 47.56 7" 23# CSG 8 3/4 OH MUD WT: 9.9
Test Lines	09/03/2011 02:01					4237.0		PRESSURE TEST OK
Pump Spacer 1	09/03/2011 02:04		2	5	5		131.0	FRESH WATER
Pump Spacer 2	09/03/2011 02:07		4	10	10		170.0	DYED GEL SPACER
Pump Spacer 1	09/03/2011 02:12		4	5	5		185.0	FRESH WATER

Sold To #: 329846

Ship To #: 2874225

Quote #:

Sales Order #:

8440527

SUMMIT Version: 7.2.27

Tuesday, September 20, 2011 04:40:00

# HALLIBURTON

## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	09/03/2011 02:13		5	88.9	88.9		251.0	260 SKS 12.3 PPG 1.92 YIELD 9.73 GAL/SK CEMENT WEIGHED UP VIA MUD SCALES THROUGHOUT LEAD CEMENT AS PER COMPANY REP PUMPED LEAD CEMENT @ 12.5 PPG
Pump Tail Cement	09/03/2011 02:31		4	28.4	28.4		194.0	135 SKS 15.6 PPG 1.18 YIELD 5.18 GAL/SK CEMENT WEIGHED UP VIA MUD SCALES THROUGHOUT TAIL CEMENT AS PER COMPANY REP PUMP TAIL CEMENT @ 15.9 PPG
Shutdown	09/03/2011 02:39							
Drop Plug	09/03/2011 02:39							PLUG AWAY NO PROBLEMS USED POSSITIVE DISPLACEMENT HEAD
Pump Displacement	09/03/2011 02:42		8	86.7	86.7		765.0	FRESH WATER WASHED UP ON TOP OF PLUG
Slow Rate	09/03/2011 02:58		2	76	76		648.0	TO BUMP PLUG
Bump Plug	09/03/2011 03:04		2	86.7	88		790.0	PSI BEFORE BUMPING 790 PSI PRESSURED UP TO 1350 PSI PLUG BUMPED 88 BBLS GONE ON DISPLACEMENT
Check Floats	09/03/2011 03:09							FLOATS HELD 1 BBL BACK TO DISPLACEMENT TANK
End Job	09/03/2011 03:10							GOOD CIRCULATION THROUGHOUT JOB NO PIPE MOVEMENT DURING JOB 30 BBLS CEMENT TO SURFACE
Pre-Rig Down Safety Meeting	09/03/2011 03:15							ALL HES EMPLOYEES
Rig-Down Equipment	09/03/2011 04:00							

Sold To #: 329846

Ship To #: 2874225

Quote #:

Sales Order #:

8440527

SUMMIT Version: 7.2.27

Tuesday, September 20, 2011 04:40:00

# HALLIBURTON

## *Cementing Job Log*

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	09/03/2011 05:20							ALL HES EMPLOYEES
Crew Leave Location	09/03/2011 05:30							THANK YOU FOR USING HALLIBURTON CEMENT DUSTIN SMITH AND CREW

Sold To # : 329846

Ship To # : 2874225

Quote # :

Sales Order # :

8440527

SUMMIT Version: 7.2.27

Tuesday, September 20, 2011 04:40:00