

HALLIBURTON

iCem[®] Service

BONANZA CREEK ENERGY

Date: October 10, 2013

State Seventy Holes P-T-4HNB

Sincerely,
Derek Trier

Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **State Seventy Holes P-T-4HNB** cement **Intermediate** casing job. A pre-job safety meeting was held before the job where details of the job were discussed, potential safety hazards were reviewed, and environmental compliance procedures were outlined.

Halliburton maintains a continuous quality improvement process and appreciates any comments or suggestions that you may have. Halliburton again thanks you for the opportunity to perform service work on this well. We hope to be your solutions provider for future projects.

Respectfully,

Halliburton [Ft. Lupton]

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 324725	Ship To #: 3110589	Quote #:	Sales Order #: 900804873
Customer: BONANZA CREEK ENERGY		Customer Rep: Kornik, Kenny	
Well Name: State Seventy Holes	Well #: P-T-4HNB	API/UWI #: 05-123-37833	
Field: WATTENBERG	City (SAP): KERSEY	County/Parish: Weld	State: Colorado
Lat: N 40.348 deg. OR N 40 deg. 20 min. 52.368 secs.		Long: W 104.327 deg. OR W -105 deg. 40 min. 22.332 secs.	
Contractor: Ensign	Rig/Platform Name/Num: Ensign 136		
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well	Job Type: Cement Intermediate Casing		
Sales Person: PLIENESS, RYAN	Srvc Supervisor: PICKELL, CHRISTOPHER	MBU ID Emp #: 396838	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DA COSTA, CHARLES Angelo	5.5	551308	JEWELL, WILLIAM Uris	5.5	503358	LANGE, TIMOTHY Paul	5.5	520811
PICKELL, CHRISTOPHER Lee	5.5	396838	ROBINSON, TROY	5.5	123456			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10248053C	85 mile	10982754C	85 mile	11527037	85 mile	11605597	85 mile
11667703C	85 mile	11808819	85 mile	11923776C	85 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10/8/13	1	5	10/9/13	4.5	4.5			
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	08 - Oct - 2013	11:00	MST
Job depth MD	6733 ft		Job Depth TVD	6194. ft	Job Started	09 - Oct - 2013	01:28
Water Depth			Wk Ht Above Floor	5. ft	Job Completed	09 - Oct - 2013	03:39
Perforation Depth (MD)	From		To	Departed Loc	09 - Oct - 2013	04:30	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 Section				8.75				476.	6733.	476.	6194.
7" Intermediate Casing	Unknown		7.	6.276	26.		P-110		6726.		6194.
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55		476.		

Sales/Rental/3rd Party (HES)


Description	Qty	Qty uom	Depth	Supplier
CMT CASING EQUIPMENT BOM	1	JOB		
MILEAGE FOR CEMENTING CREW,ZI	70	MI		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	70	MI		
SHOE,FLT,7 8RD,2-3/4 SS II VLV	1	EA		
CLR,FLT,7 LG 8RD 23-26PPF, 2-3/4	1	EA		
PLUG,CMTG, TOP, 7 IN 17-32#,5.870 NR 24TH	1	EA		
KIT,HALL WELD-A	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			

HALLIBURTON

Cementing Job Summary

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				
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size				
					Conc %				
					Qty				
Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water		30.00	bbl	8.33	.0	.0	.0	
2	EconoCem B2	ECONOCEM (TM) SYSTEM (452992)	560.0	sacks	12.5	1.89	10.28		188.5
	10.28 Gal	FRESH WATER							
3	ExpandaCem B1	EXPANDACEM (TM) SYSTEM (452979)	210.0	sacks	14.6	1.46	6.07		54.6
	6.07 Gal	FRESH WATER							
Calculated Values			Pressures			Volumes			
Displacement	256 BBL	Shut In: Instant		Lost Returns	0 BBL	Cement Slurry	243.6 BBL	Pad	
Top Of Cement	100 FT	5 Min		Cement Returns	0 BBL	Actual Displacement	256 BBL	Treatment	
Frac Gradient		15 Min		Spacers	30 BBL	Load and Breakdown		Total Job	
Rates									
Circulating	6 BBL	Mixing	6 BBL	Displacement	7 BBL	Avg. Job	6.7 BBL		
Cement Left In Pipe	Amount 41.5 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 					

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 324725	Ship To #: 3110589	Quote #:	Sales Order #: 900804873
Customer: BONANZA CREEK ENERGY		Customer Rep: Kornik, Kenny	
Well Name: State Seventy Holes	Well #: P-T-4HNB	API/UWI #: 05-123-37833	
Field: WATTENBERG	City (SAP): KERSEY	County/Parish: Weld	State: Colorado
Legal Description:			
Lat: N 40.348 deg. OR N 40 deg. 20 min. 52.368 secs.		Long: W 104.327 deg. OR W -105 deg. 40 min. 22.332 secs.	
Contractor: Ensign	Rig/Platform Name/Num: Ensign 136		
Job Purpose: Cement Intermediate Casing			Ticket Amount:
Well Type: Development Well	Job Type: Cement Intermediate Casing		
Sales Person: PLIENESS, RYAN	Srv Supervisor: PICKELL, CHRISTOPHER	MBU ID Emp #: 396838	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Depart Yard Safety Meeting	10/07/2013 20:45							SAFETY MEETING TO DISCUSS ROUTE AND HAZARDS TO LOCATION
Depart from Service Center or Other Site	10/07/2013 21:00							LEAVE YARD FOR ENSIGN 136
Arrive At Location	10/07/2013 23:00							RIG CREW TAGGING BOTTOM WHEN WE ARRIVED ON LOCATION
Pre-Rig Up Safety Meeting	10/07/2013 23:15							HAZARD HUNT PERFORMED. RIG UP PLANNED
Rig-Up Equipment	10/07/2013 23:40							SPOT IN ALL TRUCKS AND RIG UP EQUIPMENT
Pre-Job Safety Meeting	10/08/2013 01:10							SAFETY MEETING WITH ALL PERSONEL ON LOCATION TO DISCUSS JOB SAFETY AND PROCEDURE
Start Job	10/08/2013 01:28							COMPANY MAN REQUESTED THAT WE NOT RUN MUDFLUSH AND RUN 30 BBL OF WATER FOR A SPACER. GIVING US 1119 FT OF COVERAGE IN OPEN HOLE AND 1010 FT BETWEEN CASINGS
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Sold To #: 324725

Ship To #: 3110589

Quote # :

Sales Order #: 900804873

SUMMIT Version: 7.3.0106

Wednesday, October 09, 2013 04:24:00

HALLIBURTON

Cementing Job Log

Test Lines	10/08/2013 01:34		1	3			3500. 0	PRESSURE TEST LINES TO 3500 PSI. CHECK FOR VISIBLE LEAKS AND PRESSURE LOSS
Pump Spacer 1	10/08/2013 01:40		4	30	33		250.0	PUMP WATER . BROKE CIRCULATION IN LESS 1.5 BBL
Pump Lead Cement	10/08/2013 01:49		6	188.5	221.5		120.0	PUMP ECONOCEM CEMENT 560 SKS 12.5 PPG 1.89 CUFT/SK 10.28 GAL/SK
Pump Tail Cement	10/08/2013 02:24		5	54.5	276		180.0	PUMP EXPANDACEM CEMENT 210 SKS 14.6 PPG 1.46 CUFT/SK 6.07 GAL/SK
Shutdown	10/08/2013 02:38							WASH PUMPS AND LINES ON TOP OF THE PLUG
Drop Top Plug	10/08/2013 02:41							PLUG PRELOADED. WITNESSED BY COMPANY MAN
Pump Displacement	10/08/2013 02:42		7	256	532		2000. 0	PUMP DISPLACEMENT USING WATER
Displ Reached Cmnt	10/08/2013 03:04							DISPLACEMENT REACHED CEMENT WITH 110 BBL AWAY
Bump Plug	10/08/2013 03:32		3				1941. 0	CALCULATED PRESSURE TO LAND WAS 1659. PLUG LANDED WITH 1941 PSI BUMPING 500 OVER TO 2400 PSI
Check Floats	10/08/2013 03:37							PRESSURE LEVELED OUT AT 2623. AFTER 5 MINUTES FLOATS WERE CHECKED. FLOATS HELD. 2.5 BBL BACK TO THE TRUCK
End Job	10/08/2013 03:39							27 BBL OF WATER BACK TO SURFACE. TRACES OF CEMENT WERE COMING WITH THE WATER AS WE WERE BUMPING THE PLUG
Pre-Rig Down Safety Meeting	10/08/2013 03:45							SAFETY MEETING TO DISCUSS RIG DOWN HAZARDS AND PROCEDURE
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Sold To # : 324725

Ship To # :3110589

Quote # :

Sales Order # : 900804873

SUMMIT Version: 7.3.0106

Wednesday, October 09, 2013 04:24:00