

HALLIBURTON

iCem[®] Service

BONANZA CREEK ENERGY

Date: March 13, 2014

State Antelope 24-21-12HNC Surface

Sincerely,
Derek Trier

Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **State Antelope 24-21-12HNC** cement **Surface** 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]

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Cementing Call for Services

The Road to Excellence Starts with Safety										
Sold To #: 324725			Ship To #: 3283783			Primary Sales Order #: 901181033				
Customer: BONANZA CREEK ENERGY					Job Purpose: Cement Surface Casing					
Well Name: STATE ANTELOPE					Well #: 24-21-12 HNC		API/UWI #: 05-123-38888-00			
Field:		City: KERSEY			County/Parish: Weld			State/Prov: Colorado		
Customer Rep: Grahm, Kenny Office: 713-493-0884, Mobile: 719-691-1412										
Ordered By: Grahm, Kenny Office: 713-493-0884, Mobile: 719-691-1412										
Contractor: Cade;										
Rig/Platform Name/Num: Cade 22							Location: Land			
Sales Person: GREGORY, JON					Status: Active					
PPE, Safety Huddles, JSA's, HOC & Near Miss Reporting, BBP Observations										
Distance/Mileage(1 way) Srvc:			40.0 miles			Distance/Mileage(1 way) Mtls:			40.0 miles	
Call Taken By:			JARED WHIPPLE			Call Taken Date/Time:				
						Rqstd Job Start Date/Time:			15-Mar-2014 00:00 MST	
HSE Information										
H2S Present:		Unknown			CO2 Present:		Unknown			
Drive Safely. Lights On for Safety. Wear Seat Belts. Observe all HES / Customer Safety Policies.										
Directions: HWY 85 NORTH TO HWY 34 EAST OUT OF GREELEY TO WCR 87 NORTH ON 87 TO WCR 56 WEST ON WCR 56 3MILES TO OLD CATTLE CORRALS TURN NORTH 02 MILES WEST 1/8MILES NORTH INTO LOCATION										
Remarks										
Materials: Take 100# of Sugar										
Job Procedures										
Pump Water Spacer, Pump Tail Cement, Drop Plug, Start Displacement, Slow Rate Last 10 bbls Prior to Landing the Plug.										
Pumping Equipment (Generic)										
Description		Qty	Comments		Description		Qty	Comments		
RCM PUMP TRUCK		1			BULK TRUCKS		1			
PICK UP TRUCK		1								
Surface Equipment (Generic)										
Description		Qty	Comments		Description		Qty	Comments		
LO-TORC VALVES 2"		1			QUICK-LATCH ATTACHMENT		1			
PLUG CONTAINER		1			SWAGE		1			
Job Info / Well Data										
Job Depth (MD) ft	Job Depth (TVD) ft	Max Pressure psig	Well Fluid Type		Well Fluid Weight lbm/gal	Displacement Fluid		Displ Fluid Weight lbm/gal		
450.0	450.0		Water Based Mud		8.5					
Tie on Connection										
Size: 9 5/8 in		Thread: 8 RD		Type: Casing		Cross Over Required: No				
Materials										
Stage/Plug #: 1										
Fluid #	Fluid Name	Package/SBM/Material Name		Rqstd Del Qty	UOM	Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Fluid+Liq AddGal/sk
1	Water Spacer			10.00	bbl	8.33				
Fluid #	Fluid Name	Package/SBM/Material Name		Rqstd Del Qty	UOM	Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Fluid+Liq AddGal/sk
2	SwiftCem B1	SWIFTCEN (TM) SYSTEM (452990)		230	sacks	13.5	1.75	9.23		9.23
2 %		CAL-SEAL 60, 50 LB BAG (101217146) Pre-Mix Dry								
2 %		ECONOLITE (100001580) Pre-Mix Dry								
Fluid #	Fluid Name	Package/SBM/Material Name		Rqstd Del Qty	UOM	Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Fluid+Liq AddGal/sk

Prpsl #:

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0.2 %	VERSASET, 55 LB SK (101376573) Pre-Mix Dry				
2 lbm	ENHANCER 923, BULK (101894003) Pre-Mix Dry				
9.23 Gal	FRESH WATER Mix-On-Fly to Slurry				
Actual Equipment					
Unit Number	Equipment Type	Location	Unit Number	Equipment Type	Location
11605598	PKUP 3/4 TON 4X4 CREW CAB	Brighton, CO, USA	11542778	TRCK PUMP CMT SGL HT400 RED TIGER	Brighton, CO, USA
Personnel					
Employee No.	Employee Name	Employee No.	Employee Name	Employee No.	Employee Name
483865	BULINSKI, MATTHEW J	560216	GLEESON, JAY Christophe	503358	JEWELL, WILLIAM Uris
123456	Robinson, Troy				

Sold To #: 324725

Ship To #: 3283783

Lab Project #:

Sales Order #: 901181033

SUMMIT Version: 7.3.0124

Tuesday, March 11, 2014 16:38:00

Page 2 of 2

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BONANZA CREEK ENERGY
901181033
Bonanza Creek Energy State Antelope 24-21-12HNC

3.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Recirc Density (ppg)	Comment
Event	1	Start Job	Start Job	3/12/2014	03:47:32	COM5	240.51	0.00	4.00	0.49	
Event	2	Test Lines	Test Lines	3/12/2014	03:51:19	USER	240.51	1.10	100.00	8.65	3000psi Pressure Test
Event	3	Pump Spacer 1	Pump Spacer 1	3/12/2014	03:56:23	COM5	8.38	0.00	-7.00	8.31	10bbls H2O spacer
Event	4	Pump Spacer 2	Pump Spacer 2	3/12/2014	04:01:53	COM5	8.33	4.00	94.00	13.56	12bbls Mud Flush
Event	5	Pump Spacer 1	Pump Spacer 1	3/12/2014	04:04:49	COM5	8.33	3.40	78.00	13.71	10bbls H2O spacer
Event	6	Pump Lead Cement	Pump Lead Cement	3/12/2014	04:08:05	COM5	12.20	3.40	103.00	13.64	2305Ks SwiftCem 13.5ppg. Run off of Recirc Density, & Pressurized mud scales; Downhole not reading correct. 6bbls Cmt to surface before shutting down for plug
Event	7	Drop Top Plug	Drop Top Plug	3/12/2014	04:38:00	COM5	23.19	0.00	7.00	8.20	Pre-Loaded
Event	8	Pump Displacement	Pump Displacement	3/12/2014	04:38:13	COM5	23.26	0.00	7.00	7.95	29.5bbls H2O Displacement.. Cmt returns whole displacement
Event	9	Bump Plug	Bump Plug	3/12/2014	04:54:38	COM5	-30.58	3.00	206.00	0.49	Plug landed at
Event	10	Other	Other	3/12/2014	04:54:43	COM5	-24.06	0.00	857.00	0.49	1500psi Csg test 5mins
Event	11	End Job	End Job	3/12/2014	05:01:16	COM5	17.76	0.00	28.00	0.49	Floats Held

