

**BONANZA CREEK ENERGY OPERATING CO
PO BOX 21974
BAKERSFIELD, California**

State Antelope K-O-30HNB

CADE 22

Post Job Summary **Cement Intermediate Casing**

Prepared for:
Date Prepared: 7/15/2013
Version: 1

Service Supervisor: NIELSON, BRANDON

Submitted by: FINNEY, SEAN

HALLIBURTON

HALLIBURTON

Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	MUD FLUSH III	8.40	3.00	24.0 bbl	24.0 bbl
1	2	Cement Slurry	EconoCem B2	12.50	8.00	547.0 sacks	547.0 sacks
1	3	Cement Slurry	ExpandaCem B1	14.60	5.50	280.0 sacks	280.0 sacks

Fluids Pumped

Stage/Plug # 1 Fluid 1: MUD FLUSH III
MUD FLUSH III - SBM (528788)

Fluid Density: 8.40 lbm/gal
Fluid Volume: 24.00 bbl
Pump Rate: 3.00 bbl/min

Stage/Plug # 1 Fluid 2: EconoCem B2
ECONOCEM (TM) SYSTEM

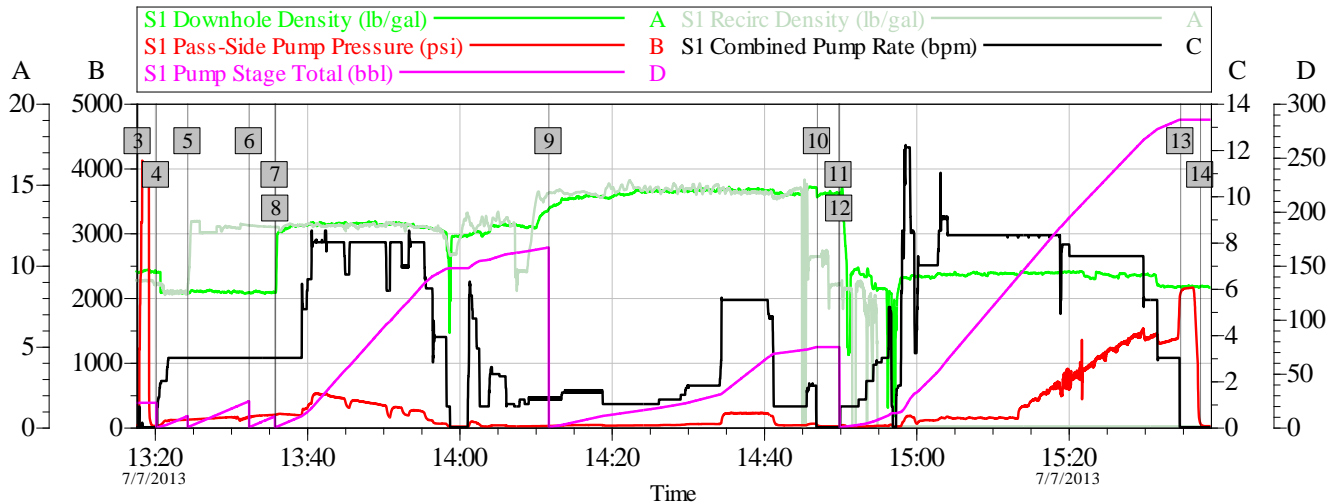
Fluid Weight: 12.50 lbm/gal
Slurry Yield: 1.89 ft³/sack
Total Mixing Fluid: 10.29 Gal
Surface Volume: 547.0 sacks
Sacks: 547.0 sacks

Stage/Plug # 1 Fluid 3: ExpandaCem B1
EXPANDACEM (TM) SYSTEM

Fluid Weight: 14.60 lbm/gal
Slurry Yield: 1.46 ft³/sack
Total Mixing Fluid: 6.08 Gal
Surface Volume: 280.0 sacks
Sacks: 280.0 sacks
Calculated Fill: 1,500.00 ft
Calculated Top of Fluid: 5,000.00 ft

Data Acquisition

BONANZA CREEK STATE ANTELOP K-O-30HNB 7 INTERMEDIATE



Global Event Log											
Intersection			SPPP	Intersection			SPPP	Intersection			SPPP
1	Starting Job	12:20:23	5.000	2	Start Job	13:14:46	8.000	3	Test Lines	13:17:51	30.00
4	Pump Spacer 1	13:20:15	20.00	5	Pump Spacer 2	13:24:23	117.0	6	Pump Spacer 2	13:32:27	149.1
7	Pump Spacer 2	13:35:50	192.0	8	Pump Lead Cement	13:35:55	193.0	9	Pump Tail Cement	14:11:48	21.00
10	Shutdown	14:47:04	29.99	11	Drop Top Plug	14:49:53	15.00	12	Pump Displacement	14:49:58	15.00
13	Bump Plug	15:34:46	2076	14	Other	15:37:23	52.92	15	End Job	15:50:39	14.00
16	Ending Job	16:14:38	7.000								

Customer: BONANZA CREEK
Well Description:

Job Date: 07-Jul-2013
UWI:

Sales Order #: 900568111

OptiCem v6.4.10
07-Jul-13 16:19

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
07/07/2013 13:17		Test Lines						TESTED LINES TO 4000 PSI NO VISIBLE LEAKS
07/07/2013 13:20		Pump Spacer 1	3	10			119.0	FRESH WATER
07/07/2013 13:24		Pump Spacer 2	3	24			179.0	MUD FLUSH
07/07/2013 13:32		Pump Spacer 1	3	10			185.0	FRESH WATER
07/07/2013 13:35		Pump Lead Cement	8	184			344.0	547 SKS ECONOCCEM MIXED @ 12.5 PPG WITH FRESH WATER
07/07/2013 14:11		Pump Tail Cement	5.5	72.8			204.0	280 SKS EXPANDACEM MIXED @ 14.6 PPG WITH FRESH WATER
07/07/2013 14:47		Shutdown						
07/07/2013 14:49		Drop Top Plug						PLUG PRE LOADED WITNESSED BY COMPANY REP
07/07/2013 14:49		Pump Displacement	8	260.4			786.0	DRILLING MUD. Fresh water spacer returned to surface 230 bbl into leaving us with 30 bbl spacer back
07/07/2013 15:34		Bump Plug	3				1493.0	CALCULATED PRESSURE TO LAND WAS 1256 PSI
07/07/2013 15:37		Check Floats					2105.0	FLOATS HELD
07/07/2013 15:50		End Job						

The Road to Excellence Starts with Safety

Sold To #: 324725	Ship To #: 3008151	Quote #:	Sales Order #: 900568111
Customer: BONANZA CREEK ENERGY OPERATING CO		Customer Rep: BRADLEY, JOHN	
Well Name: State Antelope		Well #: K-O-30HNB	API/UWI #:
Field: Wattenberg	City (SAP): KERSEY	County/Parish: Weld	State: Colorado
Contractor: CADE		Rig/Platform Name/Num: CADE 22	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: FLING, MATTHEW	Srvc Supervisor: NIELSON, BRANDON		MBU ID Emp #: 479703

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
MAYFIELD, BYRON L	9.5	528751	NIELSON, BRANDON K	9.5	479703	REED, PAUL	9.5	000
ROMERO, JOSEPH M	9.5	512137	SAUCEDA, JIMMY	9.5	0	TRIER, DEREK	9.5	546461

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11106651	73 mile	11398319	73 mile	11764739	73 mile	11808819	73 mile
11812069C	73 mile	11923776C	73 mile	12010172	73 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	Water Depth	Perforation Depth (MD)	From	To
				BHST	6865. ft				
					Job Depth TVD	Wk Ht Above Floor			
					6865. ft	5. ft			

Job Times

Date	Time	Time Zone
07 - Jul - 2013	02:30	MST
07 - Jul - 2013	07:00	MST
07 - Jul - 2013	13:14	MST
07 - Jul - 2013	15:50	MST
07 - Jul - 2013	16:30	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
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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,HWE,5.66 MIN/6.54 MAX CS	1	EA		
KIT,HALL WELD-A	2	EA		

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	MUD FLUSH III	MUD FLUSH III - SBM (528788)	24.00	bbl	8.4	.0	.0	3.0	
2	EconoCem B2	ECONOCEM (TM) SYSTEM (452992)	547.0	sacks	12.5	1.89	10.29	8.0	10.29
3	ExpandaCem B1	EXPANDACEM (TM) SYSTEM (452979)	280.0	sacks	14.6	1.46	6.08	5.5	6.08
6.08 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
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	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe		Amount	0 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					

