

HALLIBURTON

iCem[®] Service

SYNERGY RESOURCES CORPORATION

Date: Tuesday, November 17, 2015

SRC Vista D-2N-A

Surface

Job Date: Thursday, November 05, 2015

Sincerely,
Lauren Roberts

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **SRC Vista D-2N-A** 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.

15bbls of cement returned to surface.

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]

Job Times

	Date	Time	Time Zone
Requested Time On Location:	11/05/2015	1630	MTN
Called Out Time:		1000	
Arrived On Location At:		1600	
Job Started At:		2138	
Job Completed At:		2317	

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 359915		Ship To #: 3700828		Quote #:		Sales Order #: 0902877150					
Customer: SYNERGY RESOURCES CORPORATION				Customer Rep: Sean Devereaux							
Well Name: SRC VISTA		Well #: D-2N-A		API/UWI #: 05-123-41061							
Field:		City (SAP): JOHNSTOWN		County/Parish: WELD		State: COLORADO					
Legal Description:											
Contractor: ENSIGN DRLG				Rig/Platform Name/Num: ENSIGN 131							
Job BOM: 7521											
Well Type: GAS											
Sales Person: HALAMERICA\HX37727				Srvc Supervisor: Vaughn Oteri							
Job											
Formation Name											
Formation Depth (MD)		Top		Bottom							
Form Type				BHST							
Job depth MD		1638ft		Job Depth TVD							
Water Depth				Wk Ht Above Floor							
Perforation Depth (MD)		From		To							
Well Data											
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft	
Open Hole Section			13.5				0	1638			
Casing		9.625	8.921	36			0	1623			
Tools and Accessories											
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make		
Guide Shoe	9.625					Top Plug	9.625		HES		
Float Shoe	9.625			1623		Bottom Plug	9.625				
Float Collar	9.625			1578		SSR plug set	9.625				
Insert Float	9.625					Plug Container	9.625		HES		
Stage Tool	9.625					Centralizers	9.625				
Fluid Data											
Stage/Plug #: 1											
Fluid #	Stage Type	Fluid Name			Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Mud Flush III (Powder)	Mud Flush III			20	bbl	8.4				
42 gal/bbl		FRESH WATER									
Fluid #	Stage Type	Fluid Name			Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	SwiftCem B2	SWIFTCCEM (TM) SYSTEM			500	sack	13.4	1.79		4	9.5

last updated on 11/5/2015 11:26:49 PM

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(v. 4.2.393)

Created: Tuesday, November 17, 2015

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Cementing Job Summary

9.50 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Displacement	Displacement	121	bbl	8.33				
Cement Left In Pipe		Amount	42 ft		Reason			Shoe Joint	
Comment 15BBL OF 13.4 SWIFTCEM BACK TO SURFACE									

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press (psi)	DH Density (ppg)	PS Pump Rate (bbl/min)	Comments
Event	1	Call Out	Call Out	11/5/2015	10:00:00	USER				CALL OUT FROM ARC HUB
Event	2	Arrive At Loc	Arrive At Loc	11/5/2015	16:00:00	USER				REQUESTED ON LOCATION @1630 ARRIVED ON LOCATION @ 1600 MET WITH COMPANY REP TO DISCUSS JOB PROCESS AND CONCERNS ADVISED THAT RIG WAS STILL DRILLING
Event	3	Start Job	Start Job	11/5/2015	21:38:39	COM4	-2.00	8.37	0.00	HELD PRE-JOB SAFETY MEETING WITH ALL HANDS ON LOCATION TO DISCUSS JOB PROCESS AND HAZARDS
Event	4	Test Lines	Test Lines	11/5/2015	21:40:49	COM4	7.00	8.45	0.00	PRESSURE TESTED PUMPS AND LINES FOUND NO LEAKS AND PRESSURE HELD GOOD
Event	5	Pump Spacer 1	Pump Spacer 1	11/5/2015	21:46:42	COM4	5.00	8.39	0.00	PUMPED 5BBL OF WATER WITH RED DYE @2.5BPM 38PSI
Event	6	Pump Spacer 2	Pump Spacer 2	11/5/2015	21:51:49	COM4	34.00	8.11	2.50	MIXED 20BBL OF MUD FLUSH AT 2.5BPM 38PSI
Event	7	Pump Cement	Pump Cement	11/5/2015	21:59:59	COM4	51.00	8.51	2.50	MIXED 159BBL OF 13.4PPG SWIFTCM AT 6.0BPM 120PSI
Event	8	Shutdown	Shutdown	11/5/2015	22:31:40	COM4	10.00	13.72	0.00	
Event	9	Drop Top Plug	Drop Top Plug	11/5/2015	22:32:34	COM4	-1.00	16.21	0.00	RELEASED PLUG WITNESSED BY COMPANY REP
Event	10	Pump Displacement	Pump Displacement	11/5/2015	22:32:52	COM4	-1.00	14.07	0.00	PUMPED 121BBL OF FRESH

										WATER TO DISPLACE CEMENT
Event	11	Bump Plug	Bump Plug	11/5/2015	23:03:25	COM4	960.00	8.11	0.00	BUMPED PLUG 500PSI OVER FINAL PUMP PRESSURE
Event	12	Other	Other	11/5/2015	23:10:03	COM4	3.00	8.07	0.00	RELEASED PRESSURE BACK TO PUMP TRUCK TO CHECK FLOATS 1.0BBL BACK FLOATS HELD GOOD
Event	13	End Job	End Job	11/5/2015	23:17:47	COM4	6.00	8.09	2.00	15BBL OF 13.4PPG SWIFTCEM BACK TO SURFACE

3.0 Attachments

3.1 Case 1-Custom Results.png



