

HALLIBURTON

iCem[®] Service

SYNERGY RESOURCES CORPORATION

Date: Sunday, July 10, 2016

Evans 24N-14C-L

Surface

Job Date: Tuesday, June 28, 2016

Sincerely,

Justin Lansdale

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Table of Contents

Cementing Job Summary 4

 Executive Summary4

Real-Time Job Summary 7

 Job Event Log.....7

 Custom Graph.....9

1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Evans 24N-14C-L** 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 [Fort Lupton]

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Cementing Job Summary*The Road to Excellence Starts with Safety*

Sold To #: 359915	Ship To #: 3666078	Quote #:	Sales Order #: 0903386130
Customer: SYNERGY RESOURCES CORPORATION	Customer Rep: KENT		
Well Name: EVANS	Well #: 24N-14C-L	API/UWI #: 05-123-41475-00	
Field: WATTENBERG	City (SAP): EVANS	County/Parish: WELD	State: COLORADO
Legal Description: SW NE-26-5N-66W-1976FNL-2590FEL			
Contractor: PRECISION DRLG	Rig/Platform Name/Num: PRECISION 462		
Job BOM: 7521			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\HB71271	Srv Supervisor: Joseph Scileppi		
Job			

Formation Name			
Formation Depth (MD)	Top	0	Bottom 1736
Form Type			BHST
Job depth MD	1736ft		Job Depth TVD 1736
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
Casing	3	16	15.376	55			0	40	0
Casing		9.625	8.921	36			0	1736	0
Open Hole Section			13.5				40	1755	40

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	9.625			1736		Top Plug	9.625		HES
Float Shoe	9.625					Bottom Plug	9.625		HES
Float Collar	9.625					SSR plug set	9.625		HES
Insert Float	9.625					Plug Container	9.625		HES
Stage Tool	9.625					Centralizers	9.625		HES

Fluid Data									
Stage/Plug #: 1									
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
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 ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	SwiftCem B2	SWIFTCem (TM) SYSTEM	565	sack	13.4	1.78		4	9.45

last updated on 6/28/2016 11:53:03 PM

Page 1 of 3

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Created: Sunday, July 10, 2016

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Cementing Job Summary

9.45 Gal		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
3	Displacement	Displacement	130.7	bbl	8.33				
Cement Left In Pipe		Amount	Reason		Shoe Joint				
Mix Water: pH ##		Mix Water: ## ppm Chloride:			Mix Water Temperature: ## °F °C				
Cement Temperature: ## °F °C		Plug Displaced by: ## lb/gal kg/m ³ XXXX			Disp. Temperature: ## °F °C				
Plug Bumped? Yes/No		Bump Pressure: ### psi MPa			Floats Held? Yes/No				
Cement Returns: ## bbl m ³		Returns Density: ## lb/gal kg/m ³			Returns Temperature: ## °F °C				
Comment GOT 10 BBLS OF CMT TO SURFACE									

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comments
Event	1	Call Out	Call Out	6/28/2016	16:00:00	USER	CALLOUT FOR ON LOCATION AT 2000
Event	2	Crew Leave Yard	Crew Leave Yard	6/28/2016	19:00:00	USER	PRE JOURNEY JSA W/ CREW
Event	3	Arrive At Loc	Arrive At Loc	6/28/2016	20:00:00	USER	UPON ARRIVAL RIG HAD 15 JOINTS LEFT TO RUN, MET W/ COMPANY REP TO DISCUSS JOB PROCEDURE
Event	4	Rig-Up Equipment	Rig-Up Equipment	6/28/2016	20:45:00	USER	PRE RIG UP HAZARD HUNT JSA W/ CREW
Event	5	Other	Other	6/28/2016	20:50:00	USER	FIELD MIX WATER ANALYSIS: TEMP-67, PH-7, CHLORIDES-0
Event	6	Pre-Job Safety Meeting	Pre-Job Safety Meeting	6/28/2016	21:45:00	USER	JSA W/ ALL INVOLVED PERSONNEL
Event	7	Start Job	Start Job	6/28/2016	21:53:33	COM5	
Event	8	Prime Pumps	Prime Pumps	6/28/2016	21:53:53	COM5	
Event	9	Test Lines	Test Lines	6/28/2016	21:59:01	COM5	TESTED LINES TO 2500 PSI FOR 5 MIN, NO VISIBLE LEAKS
Event	10	Pump Spacer 1	Pump Spacer 1	6/28/2016	22:03:34	COM5	PUMPED 10 BBLS OF DYE WATER AT 4 BPM AND 23 PSI
Event	11	Pump Spacer 2	Pump Spacer 2	6/28/2016	22:07:10	COM5	PUMPED 20 BBLS MUD FLUSH AT 5 BPM AND 33 PSI
Event	12	Pump Spacer 1	Pump Spacer 1	6/28/2016	22:11:33	COM5	PUMPED 10 BBLS H2O AT 5 BPM AND 33 PSI

Event	13	Pump Cement	Pump Cement	6/28/2016	22:13:41	COM5	PUMPED 565 SKS OR 179 BBLS OF 13.4 CMT AT 6 BPM AND 76 PSI
Event	14	Shutdown	Shutdown	6/28/2016	22:47:41	COM5	
Event	15	Drop Top Plug	Drop Top Plug	6/28/2016	22:52:39	COM5	PLUG PRE LOADED AND WITNESSED BY COMPANY REP
Event	16	Pump Displacement	Pump Displacement	6/28/2016	22:52:51	COM5	PUMPED 130.7 BBLS OF H2O AT 6 BPM AND 350 PSI, GOT 10 BBLS OF CMT BACK TO SURFACE
Event	17	Bump Plug	Bump Plug	6/28/2016	23:17:36	COM5	FINAL CIRCULATING PRESSURE WAS 520 PSI AND PLUG BUMPED AT 994 PSI
Event	18	Other	Other	6/28/2016	23:20:48	COM5	CHECKED FLOATS, THEY HELD AND GOT .25 BBL BACK
Event	19	End Job	End Job	6/28/2016	23:21:08	COM5	

2.2 Custom Graph

