

CARRIZO OIL & GAS INC - EBUS
DO NOT MAIL - 500 DALLAS ST
HOUSTON, Texas

Timbro Ranch
Timbro Ranch 1-41-9-59

EXTREME/19

Post Job Summary **Cement Surface Casing**

Date Prepared: 04/17/12
Version: 1

Service Supervisor: PICKELL, CHRISTOPHER

Submitted by: MCKAY, ADAM

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Wellbore Geometry

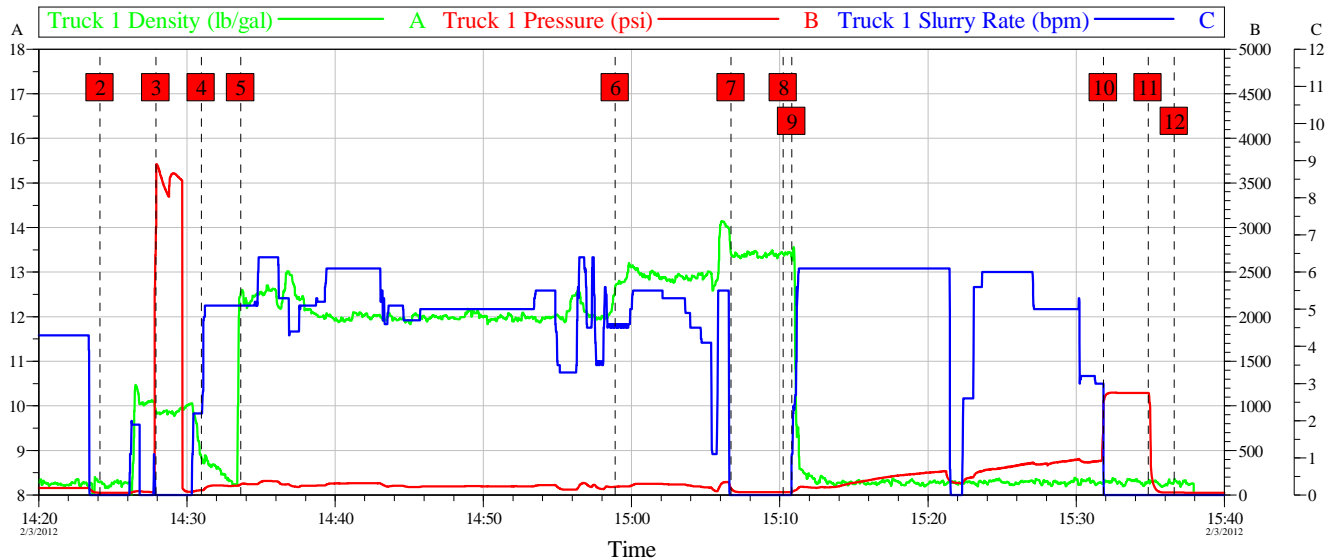
Job Tubulars					MD		TVD		Excess %	Shoe Joint Length ft
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	Top ft	Bottom ft		
Open Hole Section	Open Hole		12.250		0.00	1,447.00			0.00	
Casing	Surface Casing	9.63	8.921	36.00	0.00	1,437.00			100.00	45.00

Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Water Spacer	8.33	5.00	10.0 bbl	10.0 bbl
1	2	Cement Slurry	Swiftcem 12#	12.00	5.00	305.0 sacks	305.0 sacks
1	3	Cement Slurry	SWIFTCEM 13#	13.00	5.00	95.0 sacks	95.0 sacks
1	4	Spacer	Water Displacement	8.33	5.00		105.5 bbl

Data Acquisition

TIMBRO RANCH 1-41-9-59
CARRIZO OIL AND GAS



Global Event Log

Intersection	TIP	Intersection	TIP
2 Start Job	14:24:08 25.00	3 Test Lines	14:27:55 3004
4 Pump Water Spacer w/Red Dye	14:30:58 51.00	5 Pump Swiftcem Cement 12#	14:33:38 120.4
6 Pump Swiftcem Cement 13#	14:58:54 93.00	7 Shutdown	15:06:43 72.93
8 Drop Top Plug	15:10:14 31.00	9 Pump Displacement	15:10:49 34.61
10 Bump Plug	15:31:51 1036	11 Check Floats	15:34:51 1146
12 End Job	15:36:38 27.00		

Customer: CARRIZO OIL AND GAS
Well Description: TIMBRO RANCH 1-41-9-59
SERVICE SUPERVISOR CHRISTOPHER PICKELL

Job Date: 03-Feb-2012
UWE: 05-123-34438-00
SERVICE OPERATOR RYAN OZBUN

Sales Order #: 9258790

OptiCem v6.4.10
03-Feb-12 15:44

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
02/03/2012 14:24		Start Job						ONCE PLUG CONTAINER AND MANIFOLD WAS RIGGED UP WE HAD TO WAIT AN EXTRA 10 MINS FOR RIG TO BLOW DOWN TOP DRIVE
02/03/2012 14:27		Test Lines	1				3500.0	PRESSURE TEST LINES TO 3500 PSI CHECK FOR VISIBLE LEAKS AND PRESSURE LOSS
02/03/2012 14:30		Pump Spacer 1	5	10			125.0	PUMP WATER SPACER WITH RED DYE. WATER PROVIDED BY RIG
02/03/2012 14:33		Pump Lead Cement	5	134.2			105.0	PUMP SWIFTCEM CEMENT 305SKS 12 PPG 2.47 CUFT/SK 14.56 GAL/SK MIXED WITH RIG WATER
02/03/2012 14:58		Pump Tail Cement	5	32.8			105.0	PUMP SWIFTCEM CEMENT 95 SKS 13 PPG 1.94 CUFT/SK 10.61 GAL/SK MIXED WITH RIG WATER
02/03/2012 15:06		Shutdown						
02/03/2012 15:10		Drop Top Plug						PLUG PRE LOADED WITNESSED BY COMPANY MAN. COMPANY MAN ALSO WITNESSED TATTLE TAIL WHILE PLUG WAS PUMPED AWAY
02/03/2012 15:10		Pump Displacement	6	105.5			275.0	PUMP CALCULATED DISPLACEMENT USING RIG WATER
02/03/2012 15:31		Bump Plug	3				405.0	CALCULATED PRESSURE TO LAND WAS 305. ACTUAL LANDING PRESSURE WAS 405
02/03/2012 15:34		Check Floats						FLOATS HELD. 1.75 BBL BACK
02/03/2012 15:36		End Job						

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The Road to Excellence Starts with Safety

Sold To #: 301228	Ship To #: 2906840	Quote #:	Sales Order #: 9258790
Customer: CARRIZO OIL & GAS INC - EBUS		Customer Rep: ., KEVIN	
Well Name: Timbro Ranch		Well #: 1-41-9-59	API/UWI #: 05-123-34438
Field: WILD CAT	City (SAP): NEW RAYMER	County/Parish: Weld	State: Colorado
Lat: N 40.788 deg. OR N 40 deg. 47 min. 15.644 secs.		Long: W 103.919 deg. OR W -104 deg. 4 min. 52.14 secs.	
Contractor: EXTREME		Rig/Platform Name/Num: 19	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		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 #
IOERGER, TODD A	0.0	485941	JEWELL, WILLIAM Uris	0.0	503358	OZBUN, RYAN Jacob	0.0	475709
PICKELL, CHRISTOPHER Lee	0.0	396838						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866497C	103 mile	11036298	103 mile	11398490	103 mile	11526488	103 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	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	02 - Feb - 2012	21:00	MST
Form Type		BHST	Job Started	03 - Feb - 2012	02:00	MST
Job depth MD	1447. ft	Job Depth TVD	Job Started	03 - Feb - 2012	14:24	MST
Water Depth		Wk Ht Above Floor	Job Completed	03 - Feb - 2012	15:36	MST
Perforation Depth (MD)	From	To	Departed Loc	03 - Feb - 2012	17:00	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
Open Hole				12.25				.	1447.		
Surface Casing	Unknown		9.625	8.921	36.		N-80	.	1437.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
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	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

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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 Spacer		10.00	bbl	8.33	.0	.0	5.0	
2	Swiftcem 12#	SWIFTCEM (TM) SYSTEM (452990)	305.0	sacks	12.	2.47	14.56		14.56
	14.56 Gal	FRESH WATER							
3	SWIFTCEM 13#	SWIFTCEM (TM) SYSTEM (452990)	95.0	sacks	13.	1.94	10.61		10.61
	10.61 Gal	FRESH WATER							
4	Water Displacement			bbl	8.33	.0	.0	5.0	
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	45 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					