

**COMET RIDGE USA INC
600,17TH ST STE 600 S
DENVER, Colorado**

Surprise 12-54-36-6

Extreme 11

Post Job Summary **Cement Production Casing**

Date Prepared: August 1, 2013

Service Supervisor: BULINSKI, MATTHEW

Submitted by: ESTENSSORO, SEBASTIAN

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Wellbore Geometry

Job Tubulars					MD		TVD		Shoe Joint Length ft
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	Top ft	Bottom ft	
Open Hole Section	7-7/8" Production Open Hole		7.875		2,297.00	2,531.00			
Casing	5-1/2" Production String	5.50	4.892	17.00	0.00	7,213.00			45.00
Casing	8-5/8" Surface Casing	8.63	7.921	32.00	0.00	2,297.00	0.00	8,520.00	45.00

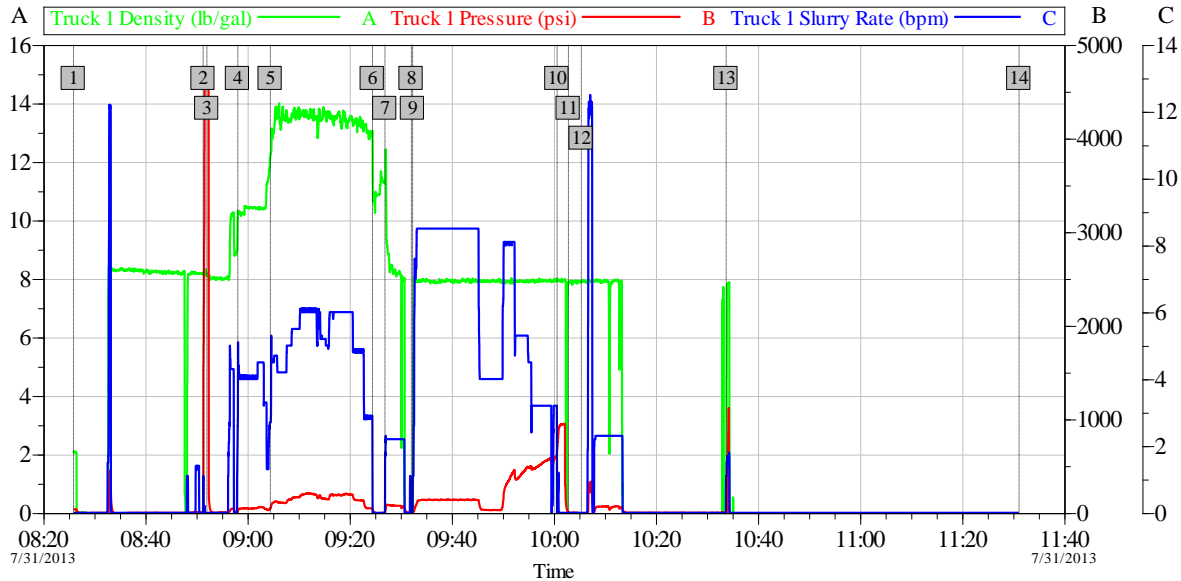
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Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Clean Spacer III	10.50	4.00	30.0 bbl	30.0 bbl
1	2	Cement Slurry	1ST STAGE LEAD	13.50	5.00	300.0 sacks	300.0 sacks
1	3	Spacer	MUD DISPLACEMENT	176.4	7.00		300.0 sacks
1	4	Spacer	SPACER	8.33	4.00	10.0 bbl	10.0 bbl
1	5	Spacer	SUPERFLUSH 101	10.00	4.00	20.0 bbl	20.0 bbl
1	6	Spacer	SPACER	8.33	4.00	10.0 bbl	10.0 bbl
1	7	Cement Slurry	2ND STAGE TUNED LITE LEAD	10.00	4.00	350.0 sacks	350.0 sacks
1	8	Cement Slurry	2ND STAGE TAIL	12.50	6.00	100.0 sacks	100.0 sacks
1	9	Spacer	Treated Displacement	8.33	8.00	112.0 bbl	112.0 bbl

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Data Acquisition



Global Event Log

1 Test Lines	08:25:57	2 Start Job	08:51:22	3 Test Lines	08:52:05
4 Pump Spacer 1	08:58:07	5 Pump Lead Cement	09:04:31	6 Shut down	09:24:31
7 Wash Lines	09:26:58	8 Drop Top Plug	09:32:07	9 Pump Displacement	09:32:23
10 Bump Plug	10:00:41	11 Drop bomb	10:02:54	12 Wash Lines	10:05:26
13 Open Tool	10:33:49	14 Ending Job	11:31:10		

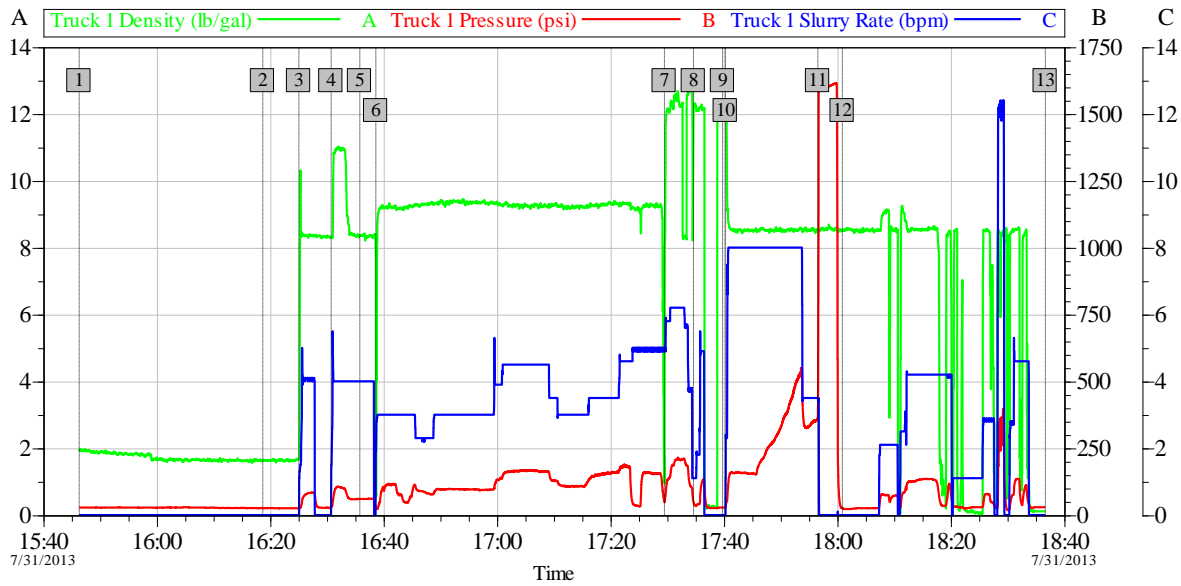
Customer:
Well Description:

Job Date: 31-Jul-2013
UWI:

Sales Order #: 900632015

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01-Aug-13 16:57

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Global Event Log					
1 Starting Job	15:46:21	2 Start Job	16:18:43	3 Pump Spacer 1	16:25:05
4 Pump Spacer 2	16:30:46	5 Pump Spacer 1	16:35:49	6 Pump Cement	16:38:40
7 Pump Tail Cement	17:29:32	8 Shutdown	17:34:40	9 Drop Top Plug	17:39:48
10 Pump Displacement	17:40:18	11 Bump Plug	17:56:35	12 End Job	18:00:54
13 Ending Job	18:36:42				

Customer:	Job Date: 31-Jul-2013	Sales Order #: 900632015
Well Description:	UWI:	

OptiCem v6.4.10
01-Aug-13 16:57

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
07/30/2013 22:00		Arrive at Location from Service Center					Arrived on time to location and Csg crew is starting to rig down...
07/30/2013 23:00		Assessment Of Location Safety Meeting					
07/30/2013 23:10		Safety Meeting - Pre Rig-Up					JSA on rigging bulk trucks and iron to rig...
07/30/2013 23:30		Rig-Up Equipment					
07/31/2013 00:15		Rig-Up Completed					Rig up Complete, Rig on Hold Cannot get returns... Waiting on more water trucks.. Waited 10hrs and Rig could still not get returns to surface, Company Man made decision to pump
07/31/2013 08:00		Safety Meeting - Pre Job					JSA with Company Man, Rig hands and HES hands on Pump Schedule
07/31/2013 08:51		Start Job					
07/31/2013 08:52		Test Lines					4500psi Pressure Test Lines To Rig Floor
07/31/2013 08:58		Pump Spacer 1	4	30		44.0	30bbl Clean Spacer III, 10.5ppg, 2.67yield, 6.75gal/sk, Mixed with rig water and # verify by pressurized mud scales... No Returns
07/31/2013 09:04		Pump Cement	5	93.5		166.0	300sks FracCem, 13.5ppg, 1.75yield, 8.27gal/sk, Mixed with rig water and # verify by pressurized mud scales.. No Returns
07/31/2013 09:24		Shutdown					Wash Pumps and lines before displacement
07/31/2013 09:32		Pump Displacement	7	166		200.0	Clayweb Displacement.. No Returns
07/31/2013 09:32		Drop Top Plug					Break Cap on Head and Downhole technology Hand drop Plug
07/31/2013 10:00		Bump Plug	3			943.0	Slowed down last 20bbls to 3bbl/min, Plug landed at 510psi and brought to 943psi for 2mins
07/31/2013 10:02		Check Floats					Floats Held
07/31/2013 10:02		Drop Opening Device For Multiple Stage Cementer					Downhole technology hand drop bump, wait 45mins to pressure up on... Tool opened up at 1150psi
07/31/2013 10:35		Other					Rig Circulate, Caught returns at 240bbls into and had Circulation for 1hr around 200bbls back to surface and lost returns for the rest of 4.5hrs of circulating for total of 6hrs circulating down hole
07/31/2013 16:25		Pump Spacer 1	4	10		43.0	H2O spacer no returns
07/31/2013 16:30		Pump Spacer 2	4	20		50.0	Superflush 101 no returns
07/31/2013 16:35		Pump Spacer 1	4	10		40.0	H2O Spacer no returns
07/31/2013 16:38		Pump Lead Cement	4	109		100.0	350sks Tunedlite, 10ppg, 1.75yield, 8.27gal/sk, Mixed with rig water on Batch mixer, # verify by pressurized mud scales.. No returns
07/31/2013 17:29		Pump Tail Cement	6	30		250.0	100sks Extendacem, 12.5ppg, 1.71yield, 8.62gal/sk, Mixed with rig water and # verify by pressurized mud scales.. No Returns
07/31/2013 17:34		Shutdown					
07/31/2013 17:39		Other					Downhole technology hand drop closing tool
07/31/2013 17:40		Pump Displacement	8	112		500.0	Clayweb displacement, No Returns
07/31/2013 17:56		Bump Plug	3			1780.0	Slowed down last 20bbls to 3bbl/min... Landed at 315psi and brought to 1780psi for 3mins
07/31/2013 17:59		Check Floats					Floats held
07/31/2013 18:00		End Job					

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Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)		Comments
07/31/2013 18:03		Safety Meeting - Pre Rig-Down							Safety Huddle on Rigging down bulk trucks and iron
07/31/2013 18:05		Rig-Down Equipment							
07/31/2013 19:15		Rig-Down Completed							
07/31/2013 19:30		Safety Meeting - Departing Location							JSA on Pre-tripping trucks and driving back to brighton yard

The Road to Excellence Starts with Safety

Sold To #: 352220	Ship To #: 3011496	Quote #:	Sales Order #: 900632015
Customer: COMET RIDGE USA INC		Customer Rep: OConnell, Kevin	
Well Name: Surprise		Well #: 12-54-36-6	API/UWI #: 05-073-06540
Field: WILD CAT	City (SAP): HUGO	County/Parish: Lincoln	State: Colorado
Lat: N 38.961 deg. OR N 38 deg. 57 min. 39.6 secs.		Long: W 103.4 deg. OR W -104 deg. 35 min. 60 secs.	
Contractor: EXTREME		Rig/Platform Name/Num: Extreme 11	
Job Purpose: Cement Production Casing			
Well Type: Exploratory / Wildcat		Job Type: Cement Production Casing	
Sales Person: SCOTT, KYLE		Srvc Supervisor: BULINSKI, MATTHEW	MBU ID Emp #: 483865

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
APPLING, RONALD Kevin	0.0	549836	BULINSKI, MATTHEW J	0.0	483865	CARPENTER, JACOB P	0.0	499500
LANGE, TIMOTHY Paul	0.0	520811	NESBITT, ROY Iverson	0.0	537416	SIMS, DENNIS A	21.5	158880
TORREY, SPENCER Kenneth	0.0	549837						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10822531C	140 mile	11036295C	140 mile	11360865C	140 mile	11410470C	140 mile
11605598	140 mile	11633848	140 mile	11748359	140 mile	11764054C	140 mile
NA	140 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	Form Type	Job depth MD	Job Depth TVD	Water Depth	Wk Ht Above Floor	Perforation Depth (MD)	From	To
			BHST	7278. ft	7278. ft					
			Job Times							
			Called Out	30 - Jul - 2013	14:00	Time Zone				
			On Location	30 - Jul - 2013	22:00	MST				
			Job Started	31 - Jul - 2013	08:51	MST				
			Job Completed	31 - Jul - 2013	18:00	MST				
			Departed Loc	31 - Jul - 2013	19:30	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
7-7/8" Production Open Hole				7.875				2297.	2531.		
5-1/2" Production String	Unknown		5.5	4.892	17.		L-80	.	7213.		
8-5/8" Surface Casing	Unknown		8.625	7.921	32.		J-55	.	2297.	.	8520.

Sales/Rental/3 rd Party (HES)				
Description	Qty	Qty uom	Depth	Supplier
CENTRALIZER SLIDER II,#0700-0978S	30	EA		
CTRZR ASSY,5 1/2 CSG X 7 7/8 HOLE,HINGED	30	EA		
CMTR,FO,5 1/2 8RD,14-17#,SUITABLE F/	1	EA		
KIT,HALL WELD-A	2	EA		
SHOE,FLOAT,5 1/2 8RD,2 3/4 SUPER SEAL	1	EA		
CLR,FLT,5-1/2 8RD,14-23PPF,2-3/4	1	EA		
CLAMP - LIMIT - 5-1/2 - HINGED -	1	EA		
MILEAGE FOR CEMENTING CREW,ZI	270	MI		
CEMENTER - MULT STAGE - 5-1/2 8RD	1	EA		
PLUG SET - FREE FALL - 5-1/2 8RD &	1	EA		

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

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Clean Spacer III		30.00	bbl	10.5	2.67	6.75	4.0	
2	1ST STAGE LEAD	FRACCEM (TM) SYSTEM (452963)	300.0	sacks	13.5	1.75	8.27	5.0	8.27
	0.25 lbm	POLY-E-FLAKE (101216940)							
	0.02 %	SA-1015, 50 LB SACK (102077046)							
	0.5 lbm	PHENO SEAL MEDIUM, 40 LB BAG (101307743)							
	8.27 Gal	FRESH WATER							
3	MUD DISPLACEMENT		166.0	bbl				7.0	
4	SPACER		10.00	bbl	8.33			4.0	
5	SUPERFLUSH 101		20.00	bbl	10.0			4.0	
6	SPACER		10.00	bbl	8.33			4.0	
7	2ND STAGE TUNED LITE LEAD	TUNED LIGHT (TM) SYSTEM (452984)	350.0	sacks	10.0	1.75	8.27	4.0	8.27
	8.27 Gal	FRESH WATER							
8	2ND STAGE TAIL	EXTENDACEM (TM) SYSTEM (452981)	100.0	sacks	12.5	1.71	8.62	6.0	8.62
	8.62 Gal	FRESH WATER							

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom

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
9	Treated Displacement		112.0	bbl	8.33			8.0	
0.4 gal/Mgal		CLA-WEB - TOTE (101985045)							
2 gal/Mgal		GASPERM 1100, 5 GAL PAIL (101770758)							
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					

