

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
CONDUCTOR	20	14		0	105	100	0	105	VISU
SURF	12+1/4	9+5/8	36	0	2,936	1,166	0	2,936	CALC
1ST	8+3/4	7	29/32/29	0	7,991	2,266	0	7,991	CALC
OPEN HOLE	6			7991			7,991		

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: 08/03/2012

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom

Details of work:

Conductor Casing

Size 14 in

Set at 105 ft Conductor @ 105 ft

Surface Casing

Size 9-5/8 in

Set at 2936 ft

Wt. 36 ppf Grade K-55 surface to 2936 ft

Hole Size 12-1/4 in

Est. T.O.C. surface ft

Csg Shoe @ 2936

Production Casing

Size 7 in

Wt. 29 ppf Grade 13 CR from surface to 5935

Wt. 32 ppf Grade 13 CR from 5935 to 7593

Wt. 29 ppf Grade 13 CR from 7593 to 7991

Hole Size 8-3/4 in

Est. T.O.C. surface ft

Conductor Cement

cement with ready-mix to surface

Surface Cement

Date Cemented: 7/13/2012

Lead : 800 sx HALCEM™, .1% HALAD-9, 5# KOL-SEAL

1/8# POLY-E-FLAKE; 1.9 yield

Tail : 300 sx HALCEM™, .1% HALAD-9, 1/8#

POLY-E-FLAKE; 1.18 yield

Note : circ 60 bbl to pits, top out w/ 66 sx HALCEM™

Prod Cement

Date Cemented: 8/3/2012

Lead: 1800 sx 50/50/G/POZ, .2% VERSASET, .15%

HALAD-766, 1.5% CHEM-FOAMER 760

Tail: 300 sxs 50/50/G/POZ, .2% VERSASET, .25%

HALAD-766

Note : circ 44 bbl to pits, top out csg w/ 100 sx G

21. Formation log intervals and test zones:

FORMATION LOG INTERVALS AND TEST ZONES

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analyses must be submitted to COGCC)
	Top	Bottom	DST	Cored	
ENTRADA	1,200	1,928	<input type="checkbox"/>	<input type="checkbox"/>	
CHINLE	1,928	2,622	<input type="checkbox"/>	<input type="checkbox"/>	
SHINARUMP	2,622	2,775	<input type="checkbox"/>	<input type="checkbox"/>	
CUTLER	2,775	4,580	<input type="checkbox"/>	<input type="checkbox"/>	
HERMOSA	4,580	5,570	<input type="checkbox"/>	<input type="checkbox"/>	
PARADOX	5,570	7,552	<input type="checkbox"/>	<input type="checkbox"/>	
MOLAS	7,552	7,966	<input type="checkbox"/>	<input type="checkbox"/>	
LEADVILLE	7,966		<input type="checkbox"/>	<input type="checkbox"/>	

Comment:

FMI log to be uploaded later

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____

Print Name: Paul E. Belanger

Title: Regulatory Consultant

Date: _____

Email: Paul_Belanger@KinderMorgan.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
Attachment Checklist			
400377999	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Directional Survey **	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	DST Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Logs	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Other	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Other Attachments			
400377992	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400377994	WELLBORE DIAGRAM	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400378065	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400378091	TIF-CALIPER	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400378093	TIF-DENSITY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400378094	TIF-MICROLOG	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400378095	TIF-SONIC	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400378096	TIF-GAMMA RAY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400378097	TIF-GAMMA RAY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400378115	LAS-DENSITY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400378118	LAS-DENSITY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400378123	LAS-GAMMA RAY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400378124	LAS-MICROLOG	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400378126	LAS-MICROLOG	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400378127	LAS-SONIC	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400378128	LAS-SONIC	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)