

**FORM
5**Rev
02/08**State of Colorado****Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

400534231

Date Received:

02/13/2014

DRILLING COMPLETION REPORT

This form is to be submitted within 30 days of the setting of production casing, the plugging of a dry hole, the deepening or sidetracking of a well, or any time the wellbore configuration is changed. If the well is deepened or sidetracked a new Form 5 is required. If an attempt has been made to complete/produce a well, then the operator shall submit Form 5A (Completed Interval Report.) If the well has been plugged, a form 6 (Well Abandonment Report) is required.

Completion Type ☒ Final completion ☐ Preliminary completion

1. OGCC Operator Number: 46685

4. Contact Name: Paul Belanger

2. Name of Operator: KINDER MORGAN CO2 CO LP

Phone: (970) 882-2464

3. Address: 17801 HWY 491

Fax: (970) 882-5521

City: CORTEZ State: CO Zip: 81321

5. API Number 05-033-06178-01

6. County: DOLORES

7. Well Name: DOE CANYON

Well Number: 18

8. Location: QtrQtr: Lot 1 Section: 13 Township: 40N Range: 18W Meridian: N

Footage at surface: Distance: 1103 feet Direction: FNL Distance: 1385 feet Direction: FWL

As Drilled Latitude: 37.737520 As Drilled Longitude: -108.801970

GPS Data:

Date of Measurement: 02/13/2014 PDOP Reading: 6.0 GPS Instrument Operator's Name: Gerald G Huddleston

** If directional footage at Top of Prod. Zone Dist.: 1021 feet. Direction: FNL Dist.: 1438 feet. Direction: FWL

Sec: 13 Twp: 40N Rng: 18W

** If directional footage at Bottom Hole Dist.: 66 feet. Direction: FNL Dist.: 2357 feet. Direction: FWL

Sec: 13 Twp: 40N Rng: 18W

9. Field Name: DOE CANYON

10. Field Number: 17210

11. Federal, Indian or State Lease Number:

12. Spud Date: (when the 1st bit hit the dirt) 12/10/2013 13. Date TD: 01/15/2014 14. Date Casing Set or D&A: 12/31/2013

15. Well Classification:

☐ Dry ☐ Oil ☒ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ Observation

16. Total Depth MD 9966 TVD** 8721 17 Plug Back Total Depth MD 9966 TVD** 8721

18. Elevations GR 7282 KB 7307

One paper copy of all electric and mud logs must be submitted, along with one digital LAS copy as available.

19. List Electric Logs Run:

MUDLOG; no other logs run on horizontal/no mwd logs - mudlogger used for lithology and direction. CBL logs attached for the vertical wellbore attached here since they were not available at the time docnum 400534230 submitted.

20. Casing, Liner and Cement:

CASING

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
CONDUCTOR	24	20	55	0	105	100	0	105	VISU
SURF	12+1/4	9+5/8	36	0	2,510	1,205	0	2,510	CALC
1ST	8+3/4	7	29&32	0	8,552	2,200	0	8,552	CALC
OPEN HOLE	4+3/4			8552	9,966				CALC

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: 12/31/2013

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

Details of work:

below is cement report for casing and pilot hole; there was no cement work for the horizontal wellbore.

Conductor Casing

Size 20 in

Set at 105 ft Conductor @ 105 ft

Surface Casing

Size 9-5/8 in

Set at 2510 ft

Wt. 36 ppf Grade J-55 surface to 2510 ft

Hole Size 12-1/4 in

Est. T.O.C. surface ft

Csg Shoe @ 2510

Production Casing

Size 7 in

Wt. 29 ppf Grade 13 CR from surface to 5907

Wt. 32 ppf Grade 13 CR from 5907 to 8034

Wt. 29 ppf Grade 13 CR from 8034 to 8552

Hole Size 8-3/4 in

Est. T.O.C. surface ft

Tubing Run Date: NA

Conductor Cement

cement with ready-mix to surface

Surface Cement

Date Cemented: 12/16/2013

Lead : 800 sx Varicem, .1% Halad®-9, 1/8# poly-e-flake

1.9 yield

Tail : 300 sx Lifecem, .1% Halad®-9, 1/8# poly-e-flake

1.15 yield

Note : Circ 180bbls to pits, top out w/ 105 sx Varicem

Prod Cement

Date Cemented: 12/31/2013

Lead : 1800 sx Halcem, .2% Versaset, .2% Halad-766

1.5% Chem-foamer 760, 1.43 yield

Tail : 300 sx Halcem, .2% Versaset, .2% Halad-766

1.28 yield

Note : circ 250 bbls to pits, cap w/100 sx Class G cmt

Pilot Cement

Date Cemented: 1/5/2014

Lead: 100 sx Plugcem, .3% HR-5, 3% KCl (7%),

1/8# poly-e-flake; 1.0 yield

Note: balanced plug

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	
CUTLER	2,381		<input type="checkbox"/>	<input type="checkbox"/>	
HERMOSA	4,041		<input type="checkbox"/>	<input type="checkbox"/>	
PARADOX	5,091		<input type="checkbox"/>	<input type="checkbox"/>	
DESERT CREEK	5,652		<input type="checkbox"/>	<input type="checkbox"/>	
MOLAS	8,328		<input type="checkbox"/>	<input type="checkbox"/>	
LEADVILLE	8,515		<input type="checkbox"/>	<input type="checkbox"/>	

Comment:

This is the horizontal completion report for the DC18. CBLs were not available at the time I submitted the vertical wellbore - docnum 400524230 and thus I've attached them here.

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: 2/13/2014

Email: Paul_Belanger@KinderMorgan.com

Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
	CMT Summary *	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
400551171	Directional Survey **	Yes	<input checked="" type="checkbox"/>	No	<input 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"/>
<u>Other Attachments</u>					
400534231	FORM 5 SUBMITTED	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400551261	WELLBORE DIAGRAM	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400551516	PDF-MUD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400554948	PDF-CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400554965	PDF-CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400567012	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

General Comments

User Group	Comment	Comment Date
Permit	Operator revised data template so it imports.	3/6/2014 9:39:21 AM
Permit	Directional tool will not import. Returned to draft. Data template had the wrong well location and API#.	3/5/2014 9:27:55 AM

Total: 2 comment(s)