

**FORM
5**Rev
09/14**State of Colorado****Oil and Gas Conservation Commission**

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



Document Number:

400896369

Date Received:

09/08/2015

DRILLING COMPLETION REPORT

Per Rule 308A, this form and all required attachments shall be submitted after completing the drilling operations to drill, sidetrack, or deepen a wellbore and after changing the casing and cement configuration of a wellbore. If any attempt has been made to test, complete, or produce the well, the operator shall also submit a Form 5A (Completed Interval Report) per Rule 308B. If the well has been plugged, the operator shall also submit a Form 6 (Well Abandonment Report) per Rule 311.

Completion Type ☒ Final completion ☐ Preliminary completion

OGCC Operator Number: 46685

Contact Name: Paul Belanger

Name of Operator: KINDER MORGAN CO2 CO LP

Phone: (970) 882-2464

Address: 17801 HWY 491

Fax: (970) 882-5521

City: CORTEZ State: CO Zip: 81321

API Number 05-083-06712-00

County: MONTEZUMA

Well Name: CC

Well Number: 4

Location: QtrQtr: t40 Section: 1 Township: 38N Range: 19W Meridian: N

Footage at surface: Distance: 2794 feet Direction: FNL Distance: 2384 feet Direction: FEL

As Drilled Latitude: 37.580750 As Drilled Longitude: -108.893390

GPS Data:

Date of Measurement: 07/14/2014 PDOP Reading: 5.9 GPS Instrument Operator's Name: Gerald G. Huddleston

** If directional footage at Top of Prod. Zone Dist.: feet Direction: Dist.: feet. Direction:

Sec: Twp: Rng:

** If directional footage at Bottom Hole Dist.: feet Direction: Dist.: feet. Direction:

Sec: Twp: Rng:

Field Name: MCELMO

Field Number: 53674

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 06/11/2014 Date TD: 07/10/2014 Date Casing Set or D&A: 07/13/2014

Rig Release Date: 08/19/2015 Per Rule 308A.b.

Well Classification:

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

Total Depth MD 8770 TVD** Plug Back Total Depth MD 8700 TVD**

Elevations GR 6845 KB 6880 Digital Copies of ALL Logs must be Attached per Rule 308A ☐

List Electric Logs Run:

OH, mudlog, CBL, image log and PULSED NEUTRON and were submitted with form 5 docnum 400626911

CASING, LINER AND CEMENT

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
CONDUCTOR	20	16	55	0	105	100	0	105	VISU
SURF	14+3/4	10+3/4	40.5	0	3,007	1,800	0	3,007	VISU
1ST	9+7/8	7+5/8	29.7&33.7	0	8,458	2,200	370	8,458	CBL
1ST LINER	6+1/2	4+1/2	12.75	8324	8,770	75	8,346	8,770	CBL

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: 07/06/2014

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
1 INCH	SURF		40	0	3,007

Details of work:

Conductor Casing

Size 16 in

Set at 105 ft Conductor @ 105 ft

Surface Casing

Size 10-3/4 in

Set at 3007 ft

Wt. 40.5 ppf Grade J-55 surface to 3007 ft

Hole Size 14-3/4 in

Est. T.O.C. surface ft

Csg Shoe @ 3007 ft

Production Casing

Size 7-5/8 in

Wt. 29.7 ppf Grade L-80 from surface to 6353 ft

Wt. 33.7 ppf Grade L-80 from 6353 to 8249 ft

Wt. 29.7 ppf Grade 13 CR from 8249 to 8458 ft

Hole Size 9-7/8 in

Est. T.O.C. surface ft

Production Liner

Size 4-1/2 in

Wt. 12.75 ppf Grade 13CR from 8324 to 8770 ft

Hole Size 6-1/2 in

Production Tubing

Size 5-1/2 in

Wt. 17 ppf Grade 13CR from Surface to 8294 ft

Hole Size 7-5/8 in

Date run: 8/13- 8/14/2015

Mesquite 7.625" production packer @ 8300'

Set on 8/11/2015, Details: Set Date: 7/13/14

5 1/2" 17lb UlfJ Box x 3 1/2" FL4S PIN 13 chrome w/ 3" ID Hanger Set @ 8324 ft

7 5/8"x3 1/2" Arrow T2 on/off tool 13 chrome w/ 3" ID

2.81 F Arrow Stinger 13 chrome w/ 2.81 ID

7 5/8"x3 1/2" AS1X packer 13 chrome w/ 3" ID

2.75 R Landing nipple 13 chrome w/ WLEG cut on bottom 2.27 ID

7 5/8"x5" liner hanger packer 13 chrome 5" ID Csg Shoe @ 8458 ft

Conductor Cement

cement with ready-mix to surface

Surface Cement

Date Cemented: 6/17/2014

Lead : 1500 sx Class G, 6% Bentonite, 1/8# Poly-E-Flake, .1% Halad®-9,

5# Kol-seal; yield 1.9

Tail : 300 sx Class G, .1% Halad®-9, 1/8# Poly-E-Flake;

yield 1.16

Note : top out w/ 40 sx Class G

Prod Cement

Date Cemented: 7/6/2014

Lead: 1800 sx Halcem, .2% Halad 766, .2% Versaset,
1.5% Chem-Foamer 760; yield 1.46

Tail: 300 sx Halcem, .2% Halad 766, .2% Versaset;
yield 1.3

Note : circ 140 bbls to pits, pump 100 sx cap

Liner Cement

Date Cemented: 7/13/2014

Lead: 75 sx Halcem, 5# Kol-Seal, 1/8# Poly-E-Flake
.1% CFR-3, .2% Halad-9, .1% HR-5; yield 1.32

Perf Dates: 9/4, 9/10 & 9/18/14

LDVL 300: 8676' - 8696' & 8638' - 8652'

LDVL 200: 8578' - 8612'

LDVL 100: 8532' - 8548'

Perf Date: 8/20/14

Perf liner 8712' - 8750' 4 JSPF (152 holes)

Sqz Date: 9/4/14

sqz perfs 8712' - 8750' w/ 100 sx under CR

Acidize Dates:

9/12/14 LDVL 200: 28% 2016 gal

9/19/14 LDVL 100: 28% 1512 gal

FORMATION LOG INTERVALS AND TEST ZONES

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analysis must be submitted to COGCC)
	Top	Bottom	DST	Cored	

Operator Comments

This is the 3rd form 5 submitted and final one/first form 5 after recompletion that put this well to production following flow line installation.

See related forms for docnums associated with prior submittals.

The updated WBD SHOWS that a 7.635' PACKER WAS SET AT 8300' ON 8/11/2015 followed by setting 5 1/2" tubing above exiting/emplaced 4 1/2" liner in previous completion. The well was then tied to the flow line and production commenced.

Attachments listed as other include 7.625" Packers and the mesquite packer. A tubing force analysis also attached. This form 5 and attachments should complete required reporting for this well. Logs, cement and other 3rd party information has previously been submitted with the other form 5s and 5As.

The current WBD was submitted with the recent 5A, docnum 400893803. It includes the 5 1/2" liner that was omitted in the form 5A description - see WBD for current WBD showing liner described above.

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 contractor

Date: 9/8/2015

Email: Paul_Belanger@kindermorgan.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
400896443	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 type="checkbox"/>	No <input checked="" type="checkbox"/>
400896445	Other	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
<u>Other Attachments</u>			
400896369	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400896373	WELLBORE DIAGRAM	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400896420	WELLBORE DIAGRAM	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineering Tech	"Date Casing Set" date adjusted to reflect production liner cementing date. Surface string top-out job added to cement tab. Liner cement top added. Casing weights adjusted to be non-rounded values.	9/14/2015 3:44:05 PM
Permit	See doc: 400895484 for latest WBD.	9/10/2015 3:25:45 PM

Total: 2 comment(s)