

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

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

400109773

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 05-083-06646-00 6. County: MONTEZUMA
7. Well Name: HF Well Number: 3
8. Location: QtrQtr: Lot 7 Section: 7 Township: 37N Range: 18W Meridian: N
Footage at surface: Distance: 828 feet Direction: FNL Distance: 84 feet Direction: FWL
As Drilled Latitude: 37.483450 As Drilled Longitude: -108.884871

GPS Data:

Data of Measurement: 11/25/2009 PDOP Reading: 3.5 GPS Instrument Operator's Name: Gerarld G. Huddleston

** If directional footage

at Top of Prod. Zone Distance: _____ feet Direction: _____ Distance: _____ feet Direction: _____
Sec: _____ Twp: _____ Rng: _____
at Bottom Hole Distance: _____ feet Direction: _____ Distance: _____ feet Direction: _____
Sec: _____ Twp: _____ Rng: _____

9. Field Name: MCELMO 10. Field Number: 53674
11. Federal, Indian or State Lease Number: COC12039

12. Spud Date: (when the 1st bit hit the dirt) 04/15/2007 13. Date TD: 05/18/2007 14. Date Casing Set or D&A: 05/14/2007

15. Well Classification:

☐ Dry ☐ Oil ☐ Gas/Coalbed ☐ Disposal ☒ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ Observation16. Total Depth MD 8270 TVD _____ 17 Plug Back Total Depth MD 8115 TVD _____18. Elevations GR 6636 KB 6656

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:

Hardcopies should have been/likely were submitted with horizontal well completion when they should have been submitted with this pilot completions report; vertical mudlog attached as well as induction and porosity.
The LAS file attached is a composite suite of logs coming from the company's Petra database.

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	14		0	80	80	0	80	VISU
SURF	12+1/4	9+5/8	36	0	2,910	1,100	0	2,910	CALC
1ST	8+3/4	7	29/32	0	8,110	2,150	0	8,110	CALC
OPEN HOLE	6			8110	8,270	100	8,110	8,270	CALC

ADDITIONAL CEMENT

Cement work date: 05/14/2007

Details of work:

Top Out: Method = N/A cement circulated to surface, fell back a little and then topped out by pouring cement into annulus; cement bottom in annulus indeterminate.

See attached well bore diagram; below from wellbore diagram details

Conductor Cement

cement with ready-mix to surface

Surface Cement

Date Cemented: 4/20/2007

Lead : 800 sx 65/35/Poz, 6%gel, 1/8% Polyflake,

5# Gilsomite

Tail : 300 sx Class G, 1/8% Polyflake, 1/10% Halad-9

Note : circ 291 sx to pit, 60sx Class G for top job

Prod Cement

Date Cemented: 5/14/2007

Lead: 1850 sx 50/50/G/Poz, 2% gel, 2/10% Veraset
foamed w/ N2

Tail: 300 sx 50/50/G/Poz, 2% gel, 2/10% Veraset

Note : circ 196 sx to pit, 100 sx Class G down BS

Method used	String	Cementing tool setting/pref depth	Cement volume	Cement top	Cement bottom
	SURF		60	0	
	1ST		100	0	

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	
LEADVILLE	8,070		<input type="checkbox"/>	<input type="checkbox"/>	

Comment:

This well is the Pilot hole for the horizontal well HF3; it currently conflicts in API WITH HF3 form XXXXX that is the original horizontal APD for API 05-083-06646-00 permitted before there was realization that there was a pilot hole.

The Killer Shale necessitates as an abrupt of build as possible due to H2S as well as hole integrity causing drilling complications.

Per instructions from Ms. Stanczyk 12/16/2010 - this pilot hole will be assigned -00;

I cannot currently do that to pass validation since the system must recognize there is already a form 2 assigned to the -00 API. As a result I've had to call this a sidetrack and assign -01 - COGCC: PLEASE CORRECT at the appropriate time."

This is the Pilot hole (-00) completion report for subsequent horizontal (-01) that has already been submitted to COGCC AND THUSCURRENTLY A CONFLICT WITH -00 DESIGNATION

General procedures: After the 7" first string/"production", stainless steel casing is cemented in place, a 6" pilot hole is drilled to TD. The OH well is then logged, the OH wellbore cemented with around 100 sx cement and a kickoff plug emplaced at the KOP determined by analyzing the logs (see "whipstock" cement summary in those cases). That defines the completion time for this pilot/stratigraphic vertical wellbore (-00 well). Generally the rig is released and another directional rig is moved into place at a later date (in some instances it may be the same rig) and the horizontal horizontal well drilled to the azimuth and distance per the APD of the well permit. The well is completed OH and NOT logged, nor any further cement work done. A directional survey is completed for the horizontal well and submitted with the completion report for the -01 horizontal wellbore.

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

Based on the information provided herein, this Drilling Completion Report (Form 5) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: _____ Director of COGCC Date: _____

Attachment Check List

Att Doc Num	Name
400127099	WELLBORE DIAGRAM
400127117	TIF-INDUCTION
400127118	TIF-POROSITY
400127119	LAS-ELECTRONIC
400127124	PDF-MUD
400127138	CEMENT JOB SUMMARY

Total Attach: 6 Files

General Comments

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

Total: 0 comment(s)