

**State of Colorado  
Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
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DE	ET	OE	ES
Document Number: <b>401306298</b>			
Date Received: <b>07/03/2017</b>			

**SUNDRY NOTICE**

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

OGCC Operator Number: 46685 Contact Name Chris Lopez  
 Name of Operator: KINDER MORGAN CO2 CO LP Phone: (970) 882-5537  
 Address: 1001 LOUISIANA ST SUITE 1000 Fax: ( )  
 City: HOUSTON State: TX Zip: 77002 Email: christopher\_lopez@kindermorgan.com

Complete the Attachment Checklist

OP OGCC

API Number : 05- 033 06181 00 OGCC Facility ID Number: 445810  
 Well/Facility Name: DC Well/Facility Number: 29  
 Location QtrQtr: Lot 3 Section: 10 Township: 40N Range: 18W Meridian: N  
 County: DOLORES Field Name: DOE CANYON  
 Federal, Indian or State Lease Number: \_\_\_\_\_

Survey Plat		
Directional Survey		
Srvc Eqpmt Diagram		
Technical Info Page		
Other		

**CHANGE OF LOCATION OR AS BUILT GPS REPORT**

- Change of Location \*     As-Built GPS Location Report     As-Built GPS Location Report with Survey

\* Well location change requires new plat. A substantive surface location change may require new Form 2A.

**SURFACE LOCATION GPS DATA** Data must be provided for Change of Surface Location and As Built Reports.

Latitude \_\_\_\_\_ PDOP Reading \_\_\_\_\_ Date of Measurement \_\_\_\_\_  
 Longitude \_\_\_\_\_ GPS Instrument Operator's Name \_\_\_\_\_

**LOCATION CHANGE (all measurements in Feet)**

Well will be: DIRECTIONAL (Vertical, Directional, Horizontal)

Change of **Surface** Footage **From** Exterior Section Lines:

Change of **Surface** Footage **To** Exterior Section Lines:

Current **Surface** Location **From** QtrQtr Lot 3 Sec 10

New **Surface** Location **To** QtrQtr \_\_\_\_\_ Sec \_\_\_\_\_

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

Current **Top of Productive Zone** Location **From** Sec \_\_\_\_\_

New **Top of Productive Zone** Location **To** Sec 10

Change of **Bottomhole** Footage **From** Exterior Section Lines:

Change of **Bottomhole** Footage **To** Exterior Section Lines:

Current **Bottomhole** Location Sec \_\_\_\_\_ Twp \_\_\_\_\_

New **Bottomhole** Location Sec 10 Twp 40N

Is location in High Density Area? No

Distance, in feet, to nearest building \_\_\_\_\_, public road: \_\_\_\_\_, above ground utility: \_\_\_\_\_, railroad: \_\_\_\_\_,  
 \_\_\_\_\_ property line: \_\_\_\_\_, lease line: \_\_\_\_\_, well in same formation: \_\_\_\_\_

Ground Elevation \_\_\_\_\_ feet Surface owner consultation date 06/25/2015

FNL/FSL		FEL/FWL	
<u>2220</u>	<u>FSL</u>	<u>1577</u>	<u>FEL</u>
_____	_____	_____	_____
Twp <u>40N</u>	Range <u>18W</u>	Meridian <u>N</u>	
Twp _____	Range _____	Meridian _____	
_____	_____	_____	_____
<u>426</u>	<u>FSL</u>	<u>2138</u>	<u>FEL</u> **
Twp _____	Range _____		
Twp <u>40N</u>	Range <u>18W</u>		
_____	_____	_____	_____
<u>426</u>	<u>FSL</u>	<u>2138</u>	<u>FEL</u> **
Twp _____	Range _____		
Twp <u>40N</u>	Range <u>18W</u>		

\*\* attach deviated drilling plan



Comments:

**ENGINEERING AND ENVIRONMENTAL WORK**

NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below or provide as an attachment, as required by Rule 319.b.(3).

Date well temporarily abandoned \_\_\_\_\_ Has Production Equipment been removed from site? \_\_\_\_\_

Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT \_\_\_\_\_

SPUD DATE: \_\_\_\_\_

**TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK**

Details of work must be described in full in the COMMENTS below or provided as an attachment.

NOTICE OF INTENT Approximate Start Date 07/17/2017

REPORT OF WORK DONE Date Work Completed \_\_\_\_\_

<input type="checkbox"/> Intent to Recomplete (Form 2 also required)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Mangement Plan
<input checked="" type="checkbox"/> Change Drilling Plan	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Change	<input type="checkbox"/> Rule 502 variance requested. Must provide detailed info regarding request.	
<input type="checkbox"/> Other _____	<input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases	

COMMENTS:

Kinder Morgan is proposing to change the DC-29 from a vertical well to a directional well with a revised Botton Hole Location (BHL) and Top of Production Zone (TPZ).

Casing/Tubing design has been revised to accomodate projected CO2 flow rates.

**CASING AND CEMENTING CHANGES**

Casing Type	Size	Of	/	Hole	Size	Of	/	Casing	Wt/Ft	Csg/LinTop	Setting Depth	Sacks of Cement	Cement Bottom	Cement Top
Conductor Casing	20				16				55	0	80	100	80	0
Surface String	14	3		4	10	3		4	55	0	2479	1400	2479	0
First String	9	1		2	7	5		8	29 & 33	0	8728	2400	8728	0
1ST LINER	6	1		2	4	1		2	12.6	8653	9054	100	9054	8653

**H2S REPORTING**

Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.

Gas Analysis Report must be attached.

H2S Concentration: \_\_\_\_\_ in ppm (parts per million)

Date of Measurement or Sample Collection \_\_\_\_\_

Description of Sample Point:

Absolute Open Flow Potential \_\_\_\_\_ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: \_\_\_\_\_

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: \_\_\_\_\_

COMMENTS:

<b><u>Best Management Practices</u></b>	
<b><u>No BMP/COA Type</u></b>	<b><u>Description</u></b>

Operator Comments:

Kinder Morgan is proposing to change the DC-29 from a vertical well to a Directional well with a revised Bottom Hole Location (BHL) and Top of Production Zone (TPZ).

Casing/tubing design has been revised to accomodate projected CO2 flow rates.

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

Signed: \_\_\_\_\_ Print Name: Chris Lopez

Title: EHS Specialist Email: christopher\_lopez@kindermorgan.com Date: 7/3/2017

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: WEEMS, MARK Date: 7/11/2017

**CONDITIONS OF APPROVAL, IF ANY:**

<b>COA Type</b>	<b>Description</b>
	<p>1) Submit CBL on both the 7-5/8" O.D. 1st string (production) casing and the 1st 4-1/2" OD liner</p> <p>2) Follow CO2 venting and monitoring procedures as per procedure prepared by KM, dated June 26, 2014 REV3 and approved by the COGCC Field Inspection Unit.</p> <p>3) If borehole problems occur while drilling and an unplanned sidetrack is required, the following shall apply:</p> <p>a.) Before proceeding, contact the COGCC Regional Engineer for SW Colorado for verbal approval and provide an explanation as to what happened to the original borehole and what the plan is for the sidetrack.</p> <p>Contact Information:                      Mark Weems – Regional Engineer-SW Colorado                      970-259-4587 off                      970-749-0624 cell                      mark.weems@state.co.us</p> <p>b.) Adhere to the instructions provided in the "UNPLANNED Sidetrack While Drilling: Approval and Reporting Process – Southwestern Colorado San Juan Basing ONLY" that can be found on the COGCC website.</p> <p>At the COGCC Web Site                      Forms                      Form 2-Permit to Drill                      Instructions</p> <p>4) Contact COGCC Regional Engineer – Mark Weems when encountering a well control issue, unexpected water flows, and unexpected Hydrogen Sulfide.</p>

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Engineer	<p>This we be an S-Shaped directional well bore.</p> <p>Fresh water zones have been depicted in the lower cretaceous and into the upper triassic or the windgate sandstone (CGS Ground Water Atlas). The deepest water well within a mile of this proposed well is 81 feet deep. Of late, the BLM fluids/minerals geologist has expressed an interest and concern for deeper formations or at least 150' into the Chinle formation (&lt;10,000 ppm TDS). The Chinle formation is estimated to be at a depth of 1674'-2312'. Also, the operator is setting their surface casing well into the deeper Cutler formation or at a depth of 2479' which is 805' deeper than top of the Chinle. The surface casing will be cemented to surface as a measure to isolate and protect all shallow water aquifers.</p> <p>There are no other oil and gas wells within 1500' of the operator's well.</p> <p>No fracture stimulation is planned; so, no offset well evaluations will be conducted.</p> <p>There are not other operators with wells within a mile of this proposed well.</p>	07/11/2017
Permit	Removed unnecessary data fields that have not changed from original Form 2.	07/05/2017
Permit	Returned to draft per operator request.	06/22/2017

Total: 3 comment(s)

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401306298	SUNDRY NOTICE APPROVED-LOC-DRLG-CSG
401306396	H2S CONTINGENCY PLAN
401330976	WELL LOCATION PLAT
401330978	DEVIATED DRILLING PLAN
401330981	OPERATIONS SUMMARY
401330993	DIRECTIONAL DATA
401331018	DIRECTIONAL DATA
401338212	FORM 4 SUBMITTED

Total Attach: 8 Files