Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO.
30-003-20019

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Cottonwood Canyon Unit

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

8. Well Number
CC4

2. Name of Operator
Kinder Morgan Co2 Company L.P.

9. OGRID Number 164557

3. Address of Operator
830 S. Main st. Springerville, AZ 85938, suite 220

10. Pool name or Wildcat

4. Well Location
Unit Letter P : 990 feet from the S line and 880 feet from the E line
Section 4 Township 1N Range 21W NMPM Catron County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
6845 GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See attached progam...

Proposed start date 4th quarter 2015

Spud Date: 3/22/1998 Rig Relea

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE _____ TITLE Ops Sup. Co2 DATE 5/5/2014

Type or print name Thomas White E-mail address: thomas_white@kindermorgan.com PHONE:

For State Use Only

APPROVED BY: _____ TITLE DISTRICT SUPERVISOR DATE 5/7/2014
Conditions of Approval (if any):

KINDER MORGAN CO2 COMPANY, L.P.

St. Johns Unit Well: CC #5

Original Owner: Ridgeway Arizona Oil Corp.

Completion Date: 3/22/1998

Spud Date: 3/15/1998

Location: 980 Feet From South Line and 880 Feet From East Line, Sec. 4 Twp. 1N Rge. 21W
API #: 30-003-20019 LAT: N 34.33468 LONG: -109.03902

Casing Detail

Date	Size (in)	Weight (lb/ft)	Btm @ (ft)	Top @ (ft)	Cmt (sks)
	13 3/8	54	110	0	450
	8 5/8	36	1656	0	600
	5 1/2	15.5	2441	0	400

Tubing Detail

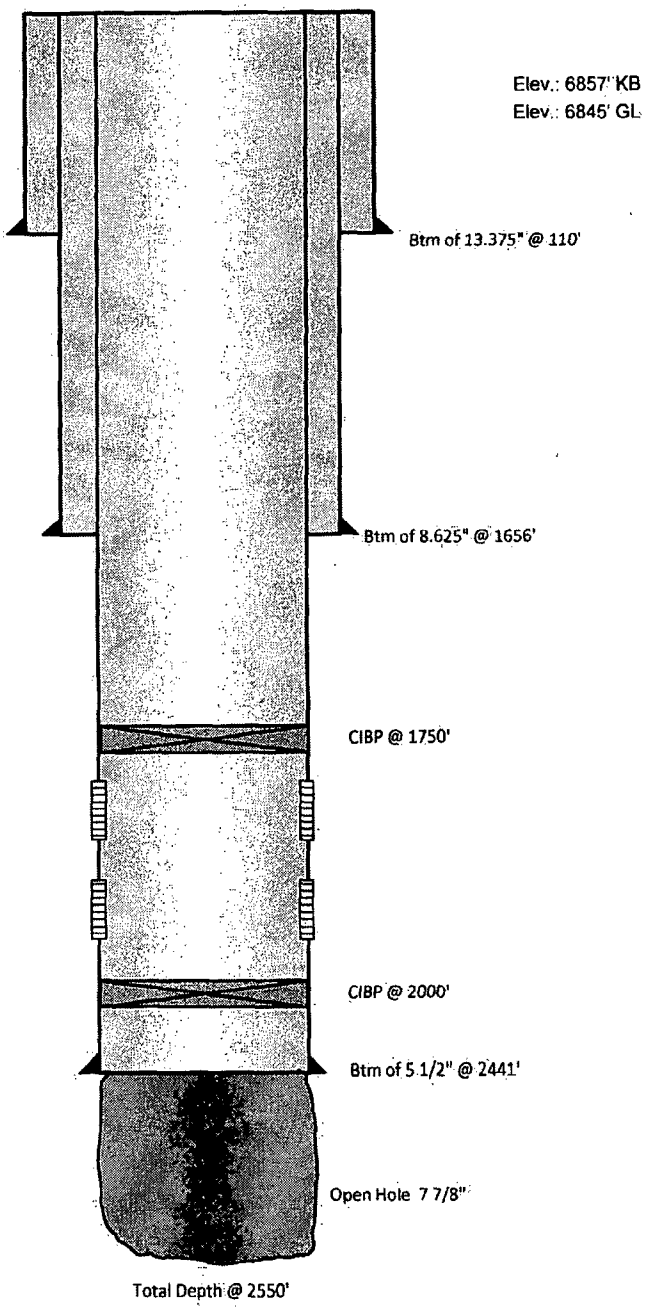
Qnty	Description	Length (ft)	Depth (ft)
0	No tbg.	0	0

Perforation Detail

Date	Top @ (ft)	Btm @ (ft)	Status	Density (spf)
	1783	1796	Open	1
	1805	1812	Open	1

Formation Details

Formation	Top (ft)	Comments
San Andres	450	
Glorieta/Coconino	786	Top Fresh Water
Fresh Water from 786' to 1018'		
Corduroy/Yeso/Supai	1018	Top Saline Water
Ft. Apache	1740	
Ft. Apache Dolomite	1768	
Amos Wash	1822	Possible CO2 show
Raven	2012	
Oak Creek	2125	
Abo/Amos Wsh	2138	Possible CO2 show
Precambrian	2535	Fractured CO2 reservoir



Cottonwood Canyon Unit – Well plugging plan

Total number of wells to permanently abandon : 9 (nine)

Wells Names: CC #3, CC #4, CC #5, CC #6x, CC #7x, CC #11, CC #12, CC #14 and CC #14x.

Wells have been divided in two categories according with the current configuration as:

- Wells that currently have a Cast Iron Bridge Plug isolating producing intervals, and
- Wells that currently have open perforation intervals or the open hole section exposed

Fresh water zones are behind pipe and covered with cement in all the wells.

Recommended procedure:

Considering the low reservoir pressure, we proposed to isolate open perforations or open hole sections of wells with bridge plugs to be set with wireline, instead of bullheading a cement plug from surface, a minimum of 50 linear feet of cement will be placed on top of the plug.

Wells with an existing CIBP isolating producing intervals, CC #3, CC #4, CC #5 and CC #14x.

1. Check CIBP depth with appropriate diameter gauge ring depending on casing size.
2. Dump bail a minimum of 50 linear ft of cement on top of the plug. Wait on cement. TD check top of cement and pressure test plug with 500 psi.
3. Perforate from 100 to 101' with Deep Penetration charges. Test circulation to surface opening each annulus one at a time. Circulate cement to surface through annulus whenever possible. Leave top of cement inside 7" casing at surface.
4. Cut casing strings and recover wellhead. Mark abandoned well with a metal pipe not less than 4 inches in diameter and at least 4 ft above ground level, securely set on cement or welded to the top of an existing casing. Marker should include the operator's name, lease name or number, well number, and the legal description of the well's location also the well's API number. See Appendix 1 for New Mexico Oil Conservation Division Rules.

Wells with open perforation intervals or hole section open, CC #6x, CC #11, CC #7x, CC #12 and CC #14.

1. Check TD with appropriate diameter gauge ring depending on casing size.
2. Set CIBP within 50 to 100 ft above the open perforations or top of open hole section, dump bail a minimum of 50 linear ft of cement on top of the plug. Wait on cement. TD check top of cement and pressure test plug with 500 psi.
3. Perforate from 100 to 101' with Deep Penetration charges. Test circulation to surface opening each annulus one at a time. Circulate cement to surface through annulus whenever possible. Leave top of cement inside 7" casing at surface.
5. Cut casing strings and recover wellhead. Mark abandoned well with a metal pipe not less than 4 inches in diameter and at least 4 ft above ground level, securely set on cement or welded to the top of an existing casing. Marker should include the operator's name, lease name or number, well number, and the legal description of the well's location also the well's API number. See Appendix 1 for New Mexico Oil Conservation Division Rules.

Appendix 1

New Mexico Oil Conservation Division Rules

19.15.25.9 NOTICE OF PLUGGING:

A. The operator shall file notice of intention to plug with the division on form C-103 prior to commencing plugging operations.

The notice shall provide all the information 19.15.7.14 NMAC requires including operator and well identification and proposed procedures for

plugging the well.

B. In addition, the operator shall provide a well bore diagram showing the proposed plugging procedure.

C. The operator shall notify the division 24 hours prior to commencing plugging operations. In the case of a newly drilled dry hole, the operator may obtain verbal approval from the appropriate district supervisor or the district supervisor's representative of the plugging method and time operations are to begin. The operator shall file written notice in accordance with 19.15.25.11 NMAC with the division within 10 days after the district supervisor has given verbal approval.

[19.15.25.9 NMAC - Rp, 19.15.4.202 NMAC, 12/1/08]

19.15.25.10 PLUGGING:

A. Before an operator abandons a well, the operator shall plug the well in a manner that permanently confines all oil, gas and water in the separate strata in which they are originally found. The operator may accomplish this by using mud-laden fluid, cement and plugs singly or in combination as approved by the division on the notice of intention to plug.

B. The operator shall mark the exact location of plugged and abandoned wells with a steel marker not less than four inches in diameter set in cement and extending at least four feet above mean ground level. The operator name, lease name and well number and location, including unit letter, section, township and range, shall be welded, stamped or otherwise permanently engraved into the marker's metal. A person shall not build permanent structures preventing access to the wellhead over a plugged and abandoned well without the division's written approval. A person shall not remove a plugged and abandonment marker without the division's written approval.

C. The operator may use below-ground plugged and abandonment markers only with the division's written approval when an above-ground marker would interfere with agricultural endeavors. The below-ground marker shall have a steel plate welded onto the abandoned well's surface or conductor pipe and shall be at least three feet below the ground surface and of sufficient size so that all the information 19.15.16.8

NMAC requires can be stenciled into the steel or welded onto the steel plate's surface. The division may require a re-survey of the well location.

D. As soon as practical, but no later than one year after the completion of plugging operations, the operator shall:

(1) level the location;

(3) remove deadmen and other junk; and

(4) take other measures necessary or required by the division to restore the location to a safe and clean condition.

E. The operator shall close all pits and below-grade tanks pursuant to 19.15.17 NMAC.

F. Upon completion of plugging and clean up restoration operations as required, the operator shall contact the appropriate division district office to arrange for an inspection of the well and location.

[19.15.25.10 NMAC - Rp, 19.15.4.202 NMAC, 12/1/08]

19.15.25.11 REPORTS FOR PLUGGING AND ABANDOMENT:

A. The operator shall file form C-105 as provided in 19.15.7.16 NMAC.

B. Within 30 days after completing required restoration work, the operator shall file with the division a record of the work done on form C-103 as provided in 19.15.7.14 NMAC.

C. The division shall not approve the record of plugging or release a bond until the operator has filed necessary reports and the division has inspected and approved the location.

[19.15.25.11 NMAC - Rp, 19.15.4.202 NMAC, 12/1/08]