

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

Form C-103  
Revised July 18, 2013

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. 30-003-20041
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other CO2		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Kinder Morgan CO2 Company, L.P.		6. State Oil & Gas Lease No. LH4757
3. Address of Operator 830 East Main, Suite 220, Springerville, AZ 85938		7. Lease Name or Unit Agreement Name Cottonwood Canyon
4. Well Location Unit Letter <u>D</u> : <u>600</u> feet from the <u>South</u> line and <u>1,265</u> feet from the <u>West</u> line Section <u>27</u> Township <u>01N</u> Range <u>21W</u> NMPM Catron County		8. Well Number <u>CC-14</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 7069 GR		9. OGRID Number 34945
		10. Pool name or Wildcat Abo Reef

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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 A-PLUS well plugging report (attached).

7/20/17  
P. H.

2/14/17  
outlet

Spud Date:

2/12/2013

Rig Release Date:

KB 7083

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

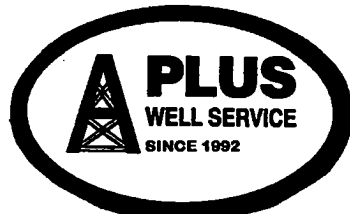
SIGNATURE Michael Hannigan TITLE EHS Supervisor DATE 8/17/2017

Type or print name Michael Hannigan, P.E. E-mail address: michael\_hannigan@kindermorgan.com PHONE: 970-882-5532

For State Use Only

APPROVED BY: Will Jones TITLE Engineer DATE 8/17/17

Conditions of Approval (if any):



Kinder Morgan  
17801 Hwy 491  
Cortez, CO 81321

P.O. Box 1979, Farmington, NM 87499  
(505) 326-2627

Well: Cottonwood Canyon  
#14  
API:30-003-20041

## Well Plugging Report

### Cement Summary

**Plug # 1**, San Andreas and 13-3/8" Casing Shoe, inside casing only with 240 sxs Class B cement (15.6 ppg, 283.2 cf.) from 547 ft. to 226 ft.; no WOC or tag because casing PT good to 550 PSI.

**Plug # 2**, 20" Conductor casing shoe, inside 13-3/8" casing only with 125 sxs Class B cement (15.6 ppg, 147.5 cf.) from 159' to 0 ft.

**Set P&A Marker**: cut off well head and found cement in 13-3/8" down 3'; fill with 2 sxs cement and weld on cap and marker.

### Work Detail

PUX	Activity
07/19/2017	
P	Travel to location. Held SFTY meeting on the JSA, service and start equipment. Check PSI on the well 13-3/8" casing: on a vacuum when opened. RU relief lines and open the well to the pit. RU daylight pulling unit.
P	ND the well head; NU 13-3/8" to 11" change over spool and a Weatherford 11" BOP. Function test the BOP; then NU an 11" to 7-1/16" change over spool and stripping head. RU the work floor and prepare tubing handling tools.
P	Prepare 2-3/8 tubing workstring; TIH with open ended tubing and tag up at 547'. Load the casing with 17 bbl. water; and then pump a total of 40 bbl. to get clean returns. Pressure test the 13-3/8" casing to 550 PSI; test held good.
P	Plug # 1 San Andreas and fresh water zone; inside 13-3/8" casing with 240 sxs Class B cement (15.6 ppg, 283.2 cf) from 547' to 226'. No WOC or tag.
P	PUH with tubing to 159'. Load the well with 1 bbl. water.
P	Plug # 2 20" Casing shoe and surface; inside the 13-3/8" with 125 sxs Class B cement (15.6 ppg, 147.5 cf ) from 159 ft. to surface; 1 bbl. good cement to pit.
P	TOH and LD all tubing. Wash up all equipment and the tubing. Clean and secure location, SDFD. Return to Springerville.
07/20/2017	
P	Travel to location.
P	Held SFTY meeting on the JSA, service and start equipment.
P	Check PSI on the well, No PSI on the well. Open the well to the pit, tag TOC with tally tape at 12' down (Note: BOP stack is 7' high).
P	RD tubing equipment and the rig work floor. ND the 7-1/16" spool, BOP and the 13-3/8" X 11" spool. Load the BOP and the spools.
P	RD the daylight pulling unit.
P	RD pump and lines. Cut off the well head and found cement in the 13-3/8" down 3'. Cut and prep the DHM. Top off the 13-3/8" with 2 sxs. Cut out a CSG cap and weld on both.
P	Move some equipment to staging area. SDFD because of rain and lighting.
P	Return to Springerville.

\* P - Procedure Planned; U - Unplanned A+ issue; X - COA, Well Conditions

## Cottonwood Canyon #14 As Plugged Diagram

Abo Reef Pool

Unit D, 600' FSL & 1265' FWL, Section 27, T-1-N, R-21-W

Catron County, NM / API #30-003-20041

Today's Date: 7/22/17

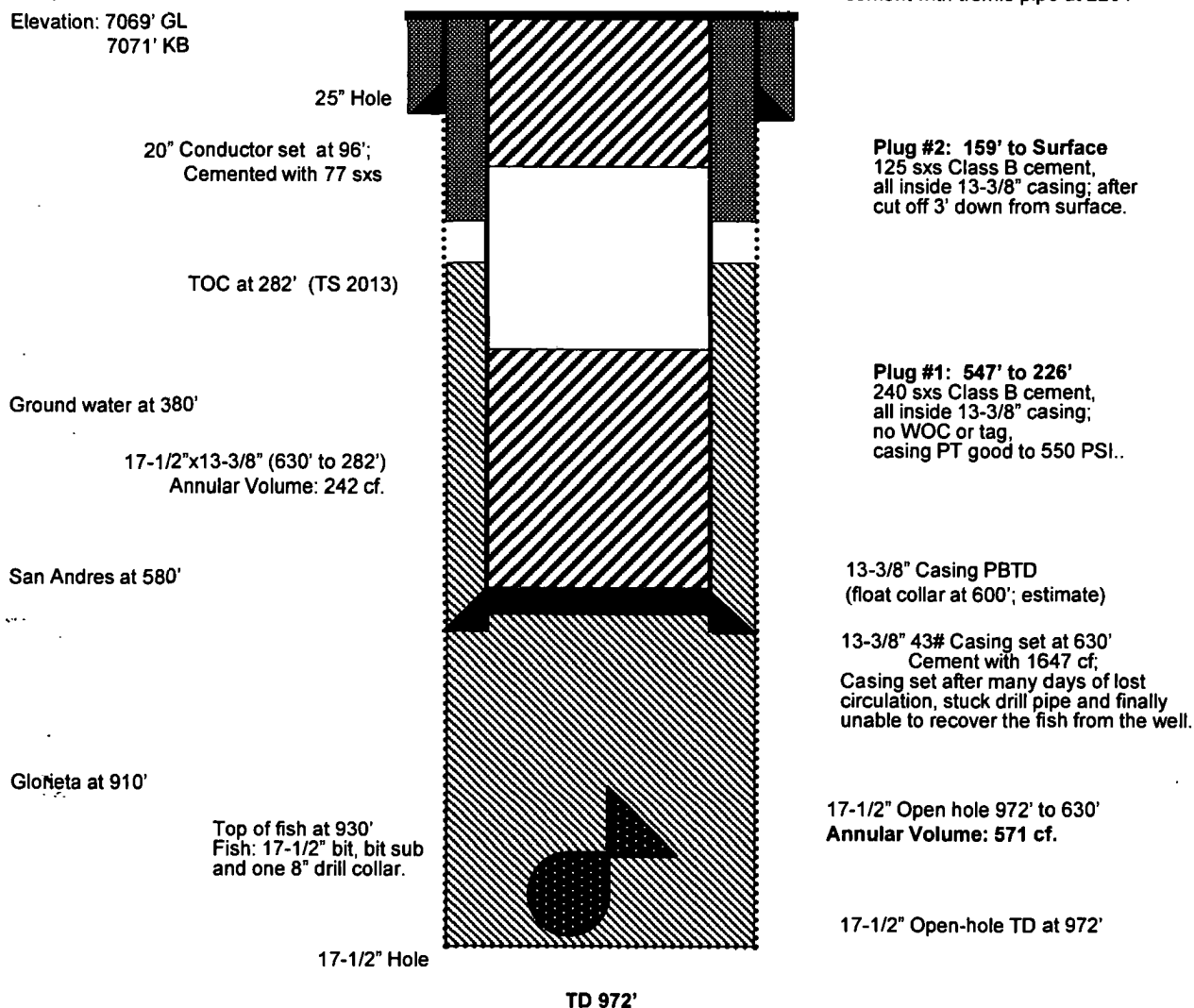
Spud: 2/12/13

Completion: TA in 2013

Elevation: 7069' GL  
7071' KB

LAT: 34° 17' 12.62" LONG: -109° 0' 55"

BH annulus filled with 168 cf  
cement with tremie pipe at 220'.



**Note:** The above wellbore diagram shows the reasonable assumption the open hole interval from the casing shoe (630') to the fish and possibly below is filled with cement. The 13-3/8" casing was cemented with 1647 cf of slurry and the annulus TOC was found at 282'; requiring only 242 cf (gauge hole). This leads to the conclusion the majority of the cement below the shoe ( $1647 - (242 \times 100\% \text{ excess factor}) = 1163 \text{ cf}$ ) available to go below the shoe to cover the Glorieta zone and the fish. Granted the well had lost circulations problems which contributed to the fishing problems; however, the cement did rise to 282' behind the 13-3/8" casing.

**Jones, William V, EMNRD**

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**From:** Hannigan, Michael <Michael\_Hannigan@kindermorgan.com>  
**Sent:** Thursday, August 17, 2017 4:07 PM  
**To:** Jones, William V, EMNRD  
**Cc:** Lowe, Leonard, EMNRD; White, Thomas  
**Subject:** CC-14X, CC-14, CC-6X & CC-5 P&A Reporting  
**Attachments:** CC-14X - P&A Report.pdf; CC-14X Form C-103 P&A (signed) 081717.pdf; CC-14 - P&A Report.pdf; CC-14 Form C-103 P&A 081717.pdf; CC-6x - P&A Report.pdf; CC-6X Form C-103 P&A (signed) 081717.pdf; CC-5 - P&A Report.pdf; CC-5 Form C-103 P&A (signed) 081717.pdf

Will,

Attached please find electronic copies of Form C-103 and the A-PLUS well plugging reports for Cottonwood Canyon wells CC-14X, CC-14, CC-6X and CC-5. This submittal completes the reporting of plugged and abandoned wells in the Cottonwood Canyon Unit. We have been in contact with Ed Martin at the New Mexico State Land Office and, per his instructions, we will reclaim the CC-14/14X location in accordance with the plan submitted to your office along with the Form C-103 Notice of Intention on February 14, 2017. Mr. Martin has determined that reclamation beyond what currently exists at the other Cottonwood Canyon well locations is not required. After reclamation of the CC-14/14X location is complete, I'll send you a Form C-103 for each well that was plugged and abandoned indicating that the locations are ready for inspection. Please contact me if you have any questions or need additional information. Thanks,  
Mike

*Michael Hannigan, P.E.*  
EHS Supervisor



Cortez Field Office  
17801 U.S. Highway 491  
Cortez, CO 81321  
Office (970) 882-5532  
Mobile (970) 403-9501

*WVJ*  
*8/17/17*