Submit 1 Copy To Appropriate District Office	State of New M			Form C-103
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Nat	tural Resources	WELL API NO.	vised July 18, 2013
District II - (575) 748-1283	OIL CONSERVATIO	N DIVISION	30-003-20025	
811 S. First St., Artesia, NM 88210 <u>District III</u> – (505) 334-6178	1220 South St. Fra		5. Indicate Type of Lease	
1000 Rio Brazos Rd., Aztec, NM 87410 District IV – (505) 476-3460	Santa Fe, NM 8	37505	6. State Oil & Gas Lease	FEE
1220 S. St. Francis Dr., Santa Fe, NM 87505			LH4728	
	CES AND REPORTS ON WELL	S	7. Lease Name or Unit Ag	greement Name
(DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLIC				
PROPOSALS.)		FOR SUCH	Cottonwood Canyon	
	Gas Well 🛛 Other CO2		8. Well Number CC-4	
2. Name of Operator Kinder Morgan CO2 Company, L.P.			9. OGRID Number 34945	
3. Address of Operator			10. Pool name or Wildcat	
830 East Main, Suite 220, Springer	/ille, AZ 85938		Abo Reef	
4. Well Location				
Unit Letter P : 1	.,043 feet from the South	line and _660	feet from the _East	line
Section 16	Township 01N	Range 20W	NMPM Catron	County
	11. Elevation (Show whether D	R, RKB, RT, GR, etc.)	
and a second	6845 GR		Bring the state of the state	
12 Check A	Appropriate Box to Indicate 1	Nature of Notice	Report or Other Data	
	Appropriate Dox to indicate i	vature of ivolice,	Report of Other Data	
NOTICE OF IN			SEQUENT REPORT	
		REMEDIAL WOR		
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DR CASING/CEMEN		A 🛛
DOWNHOLE COMMINGLE		CASING/CEIVIEN		
CLOSED-LOOP SYSTEM				
OTHER:		OTHER:		
	leted operations. (Clearly state all			
proposed completion or rec	ork). SEE RULE 19.15.7.14 NMA	C. For Multiple Co	mpletions: Attach wellbore (hagram of
proposed compression of ree				
See A-PLUS well plugging report (att	ached).			
				~
		· · · · ·		9/17 PE
Spud Date: 3/15/1998	Rig Release D	Date:		1017
•			(5 9
I hereby certify that the information	above is true and complete to the l	best of my knowledg	e and belief.	
SIGNATURE Mul Hing		Conjer EUC Engineer		
SIGNATURE	TITLE	Senior Ens Engineer	DATE_0/23/2017	
Type or print name _Michael Hannig	an, P.E. E-mail address: micha	el_hannigan@kinde	ermorgan.com PHONE: 970	-882-5532
For State Use Only	_			1
100000000000000000000000000000000000000	A The second sec	- Print a series of		1-21.00
APPROVED BY: Conditions of Approval (if any):	TITLE L	regiven	DATE	19/11
Conditions of Approval (II any):	/]	0		/



Kinder Morgan 17801 Hwy 491 Cortez, CO 81321

(505) 325-2627

Cottonwood Canvon # 4 API 30-003-20025

Well Plugging Report

Cement Summary

Plug #1, Precambrian and Abo top; cover existing perfs, with CR at 2318 ft.; 114 sxs of Class B (15.6 ppg, 134.5 cf.) from 2293 ft. to 2811 ft.; 56 sxs in annulus, 56 below CR and 2 above; WOC over night; tagged with wireline at 2265 ft. Will Jones with NMOCD gave Pete McNeil approval to change plug on 6-5-17, because we couldn't get any deeper with the CR due to polybore trash in well.

Plug #2, Amos Wash top and 8.625" Intermediate casing shoe; shoot 4 SQZ holes at 2245ft.; inside / outside plug with CR at 2200 ft.; 77 sxs of Class B (15.6 ppg, 90.9 cf.) from 2024 ft. to 2245 ft.; 51 in annulus, 6 below CR and 20 above; no WOC and tag, casing PT to 700 PSI before perforating.

Plug:#3, Yeso and Glorieta top; shoot 6 deep perforations at 1360'; inside / outside, with CR at 1315 ft.; 46 sxs of Class B (15.6 ppg, 54.3 cf.) from 1050 ft. to 1360 ft.; 10 in annulus, 6 below CR and 30 above; tagged with tubing at 960 ft. While pumping PSI spiked to 1500 PSI and forced the stinger out of the CR, TBG was chained down. Attempted to sting back into the CR and were unable to continue injecting below CR.

Plug:#4, San Andres top, shoot 6 deep perforations at 920', only inside 5-1/2" casing, with 41 sxs of Class B (15.6 ppg, 48.4 cf.) from 598 ft. to 960 ft.; unable to establish injection rate into squeeze holes, pressured up to 1500 PSI, set plug then WOC for 4 hrs., tag TOC at 586'.

Plug:#5, Surface conductor shoe; shoot 6 deep perforations at 170; fill casing and annulus, 77 sxs of Class B (15.6 ppg, 90.9 cf.) from 0 ft. to 170 ft., squeeze 20 sxs outside 5-1/2" casing with limited returns to surface and leave 57 sxs inside; WOC overnight.

Set Marker, saw off well head and found cement down 100' in 5-1/2" x 8-5/8" annulus and down 10' in 5-1/2'' casing; fill annulus and casing and set p&a marker with 37 sxs cement. Job Complete.

Work Detail

05/26/2017	
Р	Travel to equipment.
Ρ	Held safety meeting on the JSA. Service and start equipment.
Ρ	Road rig and equipment to CC #4 and unload. Return to CC-3.
P	Load and secure fractank and workstring on trailers.
Ρ	Travel to CC-4, unload and spot.
Р	Spot and rig up wire line. RIH with 3.896" gage ring and tag up at 2500', POOH.
	Return to Farmington.

KinderMorgan	Cottonwood Canyon #4	P&A Report
05/30/2017		
P	Travel to location. Held SFTY on the JSA, service and start equipmer	it
P	Well records show CIBP at 2700' in CC #4 well and at 2500' in CC #5 Confusion about which well working on. Orders to rig down pulling move to the CC #5 to do wireline work to determine its PBTD.	well.
Ų	Road rig and base beam to CC-5. Spot base beam and rig.	
U	Rig up Daylight pulling unit. Take wire line unit to CC-5 and RIH and 1742'. Return to CC-4 with rig and equipment.	tag up at
P	PU 4.5" string mill, PU TBG and TIH to 1990'.	
Ρ	Clean and secure location SDFD.	
P	Return to Springerville.	
05/31/2017		
Ρ	Travel to location. Held SFTY meeting on the JSA, service and start e	quipment
P	Continue to TIH PU TBG, tag up at 2500 ¹ . Pump 7 bbl. and establish at 17 bbl. lost circulation. Pump 63 more bbl. and never circulated a the pumped was kicked out the well was on a vacuum.	
P	TOOH and LD the string mill.	12
P	RIH with A Plus CBL logging tool to 2492' and log to fluid top at 650'. cement outside the 5.5" casing from 2492' to 2440' and from 1910' intermittent bond at other depths.	to 1010' with
P	PU Select 4 1/8" junk mill and bit sub. TIH and tag up at 2500', LD 1	
P	PU the power swivel and 1 JT. Begin to drill out the plug. Ran out of pumping 310 bbl. while drilling, the well never circulated.	f water after
P	Wait on water.	
P	Begin to drill out the plug. The plug dropped the plug and chased it PUH to 2521°	to 2559'.
P	Clean and secure location; SDFD.	
P ¹	Return to Springerville.	
06/01/2017	in the first second	
P	Travel to location.	
P P	Held SFTY meeting on the JSA, service and start equipment. Check PSI, TBG 0, CSG 0, BH 0, open the well. Start pumping at 2 BP	
D	the plug at 2559'. Begin to drilling out, made 5' and the mill plugged	up.
P	TOOH and LD the mill. Unplug the mill.	++ 2500
4 <u>F</u>	PU the mill and TIH, tag the plug at 2328'. Drill down to 2338', drop drill to 2510' dropped to 2519', drill to 2559', dropped to 2777'. Dril 2787' and dropped to 2910'.	
P	TOOH to 2148' EOT.	
P	Clean and secure location, SDFD.	
Ρ	Return to Springerville.	
06/02/2017		
P	Travel to location.	
P	Held SFTY meeting on the JSA, service and start equipment.	
Р	Check PSI, TBG 0, CSG 0, BH 0. Open the well, TOOH and LD the $4\mathchar`-1/$	
Ρ	$P \cup$ Weatherford 5.5" 20#-23# PKR. Attempt to RIH and stack out at the PKR.	surface, LD
Р	WOO. Clean and secure location SDFD.	
10		

P Return to Farmington.

KinderMorgan 06/05/2017	Cottonwood Canyon #4	P&A Report	
Ρ	Trave to location.		
P.	Held SFTY meeting on the JSA, service and start equipment.		
<u>p</u>	Check PSI on the well, no TBG, CSG 0, and BH 0, rig up relief lines and open the well.		
P	PU Weatherford 5" PKR, TIH to 2495'. Unable to pass 2495', set the PKR and establish an injection rate of 2 BPM at 1000 PSI.		
P	TOOH and LD the PKR. The PKR was packed with pieces of the polly liner.		
P	RIH with a 3.9" gage ring to 2310', POOH. The junk basket was full of pieces of the polly liner.		
P	TIH open ended to 2495'. Pump 60 bbl. to establish partial circulation. Pumped 160 bbl. total and lost and lost all fluid after 2.5 hours circulating. When stopped circulating there was still small pieces of polly liner coming to surface.		
P.	RIH with 5" wire line CR to 2318'. Attempt to work past 2318', unable to get any deeper. Set the CR at 2318', POOH.		
Ρ	$P\cup$ the stinger and TIH to 2310", begin to pump to wash off the CR. Sting into the CR and establish rate of 2 BPM at 1000 PSI.		
<u>P.</u>	Plug #1 mix and pump 114 sxs 134.52 CUFT 15.6# class B CMT from 2293' inside above and below. Leaving 112 sxs below the CR and CR. (On 6-5-17 Pete McNeil received approval from Will Jones with to modify the plug based on well.)	2 sxs above the	
Р	TOOH to 1648, clean and secure location.		
P	Return to Springerville.		
06/06/2017	inclair is shirt Decenter		
P	Travel to location.		
P	Held SFTY meeting on the JSA, service and start equipment.		
P	Check PSI on the well, TBG 0, CSG 0, BH 0, open the well to the pit stinger. RIH and tag TOC at 2265', POOH. Load the well with 4 bb to 700 PSI, good test.		
Ρ	Dig out the well head and expose the $5-1/2" \times 13-3/8"$ intermedia $3/8"$ casing head; observed cement in this casing at surface.	te CSG, no 13-	
Ρ	RIH with 3-1/8" HSC to 2245, attempt to perf. Gun did not fire POOH and dropped gun.		
Ŭ,	Wait for tools to come from Farmington to fish the dropped gun.		
Ú,	PU and TIH with overshot, tag the gun at 2265 ¹ . Attempt to catch and no fish. Order different overshot. Clean and secure location,		
U	Return to Springerville.		
06/07/2017			
p	Travel to location. Held SFTY meeting on the JSA, service and star	t equipment.	
P	Check PSI on the well, no TBG, CSG 0, BH 0, and Inter 0, open the		
U	PU new overshot and TIH. Tag the fish at 2307', latch on to the fish LD the all the fish and over shot.		
P	RIH with 3-1/8" HSC and perforate 4 holes at 2245 ¹ . Establish rate PSI, pumped 15 bbl. total into holes. RIH with 5" WL CR and set it		
P	TIH with stinger and tag the CR at 2200'. Load the hole with 2 bbl CR and re-establish a rate of 2 BPM at 200 PSI.		
Р	Plug #2 mix and pump 77sxs 15.6# 90.86 CUFT Class B CMT from 2 Leaving 6sxs below, 51sxs out and 20 above the CR with a sting of PSI.		

KinderMorgan 6/07/2017	Cottonwood Canyon #4	P&A Report	
Continued	TOOH LD to 1321 ¹ and continue TOOH, LD the stinger.		
Ρ	RIH to 1360' and perf 6 deep holes. Load the well with 2.5 bbl. rate of 2 BPM at 600 PSI; pumping 6 bbl. total. RIH with 5" WL set the CR.	CR to 1315' and	
P	PU the stinger and TIH to 1315', load the hole with 3 bbl., sting into the CR and reestablish rate of 2 BPM at 600 PSI.		
P	Plug #3 mix and pump 46sxs 15.6# 54.28 CUFT Class B CMT from 1360' to 1050'. Leaving 6 sxs below the CR, 10 sxs out and 30 sxs above the CR. (The pipe was chained down and at 1500 PSI the stinger popped out of the CR, attempted to sting back in but couldn't. Well locked up at 1500 PSI.)		
Ρ	TOOH LD to 878' and continue TOH with tubing.		
Ρ	RIH to 920' and perf 6 deep holes. Load the well with 3 bbl., att rate of 2 BPM pump 5 bbl. at 600 PSI and the PSI climbed to 150 down to 1000 PSI in 2 min. and takes 5 min. to drop to 400 PSI a Attempt 2 more times with same result. On the third attempt 1 were double. Clean and secure location.	00 PSI. Bleeds and holds.	
p.			
r 06/08/2017	Return to Springerville.		
P	Travel to loc.		
P.	Held safety meeting on the JSA, service and start equipment		
ν Ρ̈́	Check PSI on well, 0 TBG, 0 CSG, 0 BH; 0 Inter, open the well to	nit	
P.	RU the pump and attempt to establish rate into perf at 920'. Lo 1.5 bbl. Use a 1/4 bbl. and PSI up to 1500 PSI, bleeds to 1200 PS	ad the hoe with	
P	PU plugging sub, TIH and tag CR at 960'.		
P	Plug #4 mix and pump 41sxs 15.6# 48.38 CUFT class B CMT from inside the 5-1/2" casing. TOOH LD all TBG.	n 960'' to 598'	
P	WOC		
Ρ	RIH and tag TOC at 586', PUH to 170' and perf 6 - 3-1/8" HSC ho light circulation out BH with 16 bbl. with a rate of 3 BPM at 100 $$		
Ρ	Plug #5 mix and pump 77sxs 15.6# 90.86 CUFT Class B CMT from Leaving 20sxs inside the 5-1/2" and 57sxs in the 5-1/2" X 8-5/8"		
P	RD pump and lines, load scrap metal and wellheads.		
P	RD daylight pulling unit.		
P	Load mud pit, waste pit and secure all equipment.		
Р	Return to Springerville.		
06/09/2017			
P	Travel to location. Held SFTY meeting JSA, service and start equ	and the second sec	
P	Check PSI on the well, CSG 20 PSI, BH light vacuum, open the we from the blind rams and the spools. Tag CMT in the 5-1/2" dow digging out the well head. ND the BOP and rack it back.		
P	Cut off the well head, CMT in the $5-1/2$ " at surface and the $5-1/100$ '. RU the pump truck, cut and prepare the DHM.	2" X 8-5/8" down	
P	DHM and top off mix and pump 37sxs 15.6# 43.66 CUFT Class B and set the DHM.	CMT to top off	
Р	Wash up and RD the pump and equipment.		
P	Finish moving equipment to next location and spot equipment.		
P	Return to Farmington.		

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