



June 26, 2020

Colorado Oil & Gas Conservation Commission  
ATTN: Environmental Manager Deranleau  
1120 Lincoln Street, Suite 801  
Denver, Colorado 80203

RE: Kinder Morgan CO2 Company, L.P.  
Rule 523.e. Voluntary Self Disclosure – Seventeenth Quarterly Report

Dear Mr. Deranleau:

Kinder Morgan CO2 Company, L.P. (“Kinder Morgan”) (Operator No. 46685) hereby provides the Colorado Oil and Gas Conservation Commission (“COGCC” or “Commission”) with this seventeenth quarterly status report to its Rule 523.e. voluntary self-disclosure made on February 17, 2016. This seventeenth quarterly status report follows sixteen prior quarterly status reports from June 30, 2016 to March 25, 2020 and summarizes the final closure status of certain drilling pits located in Montezuma and Dolores Counties, Colorado. The attached table labeled “Exhibit A – June 2020 Status Table” provides a summary of the status of the subject pits as of this seventeenth quarterly status report.

As stated in our March 2020 quarterly report, seven (7) executed Notices of Environmental Use Restrictions for the pit locations closed post-2009 have been recorded in Montezuma County, Colorado pursuant to C.R.S. § 25-15-321.5. On April 6, 2020, Kinder Morgan submitted Rule 502.b variance requests to Rule 905.b.(3)A for each of the seven (7) pits closed post-2009 to leave the pit liner in place, as outlined on Exhibit A. On April 27, 2020 the COGCC approved the seven (7) variance requests to Rule 905.b.(3)A. On May 7, 2020, the COGCC approved Form 27s to formally close the GP-15 and GP-17 drilling pits, as outlined on Exhibit A. The remaining five (5) pit locations will be closed upon completion of remediation to the current Table 910-1 standards.

In addition, Kinder Morgan completed semi-annual groundwater sampling for the six (6) monitoring wells at the DC-5 location in April 2020. The updated groundwater sampling results for the six (6) monitoring wells at the DC-5 location is attached as Exhibit B. A summary of the DC-5 groundwater elevations, which affects the water quality results, is summarized on the attached Exhibit C.

Kinder Morgan looks forward to working with you and COGCC Staff to bring all of the subject sites to final closure. We would like to reiterate our appreciation for your time and efforts on

this matter. As Kinder Morgan works with you and COGCC Staff towards final closure of the remaining sites, Kinder Morgan will submit its eighteenth quarterly report, if necessary, on or before September 30, 2020, and will supplement this report with additional information if needed. If at any time you or the COGCC Staff has questions or would like additional detail on any item, you may reach me at 713-369-8087 or [casey\\_zweig@kindermorgan.com](mailto:casey_zweig@kindermorgan.com).

Sincerely,



Stephen Casey Zweig  
Director of Operations and Engineering

*Enclosures*

cc: Director Jeff Robbins, COGCC  
Jessica Toll, KM  
Barry Swift, KM  
Jamie Jost, Jost Energy Law, P.C.  
Alex Fisher, COGCC  
Greg Deranleau, COGCC  
Jim Hughes, COGCC

# EXHIBIT A

## JUNE 2020 STATUS TABLE

Well Information					Spud Dates		Pit Information			Landowner Information	Water Wells	Sampling					
Well Name	Surface/ Mineral	API #	Facility ID No.	APD Approved	Spud Date	Re-entry Spud Date	Pit Permit	Pit Permit Date	Physical Pit Closure	Land Use	Water Well Within 1/2 Mile of the Wellhead	Soil Sampling Complete	Evidence of Pit Liner	Groundwater Sampling Complete	Groundwater Encountered	Pit Status	Path to Closure
Locations Closed Pre-2009 with Landowner Approval																	
YA-4	Fee/Fee	05-083-06586	257924	8/16/00	4/30/2001	9/7/09	Yes - 257924	8/25/00	2002	crop land	No	Yes	Yes	Yes	No	Liner observed in 1 soil borings; shallow soil EC concentrations exceeded 910-1 in 3 soil borings, remediation (natural attenuation) underway; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Will be closed by the COGCC upon submission of written landowner permission to leave pit liner in place and completion of remediation to the current Table 910-1 standards
HB-5	Fee/Fee	05-083-06596	264308	8/15/02	8/3/2002		Yes - 264308	7/30/02	2003	CRP	No	Yes	Yes	Yes	No	Liner observed in 1 soil boring; shallow soil EC concentration exceeded 910-1 in 1 soil boring, remediation (natural attenuation) underway; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Will be closed by the COGCC upon submission of written landowner permission to leave pit liner in place and completion of remediation to the current Table 910-1 standards
YE6	Fee/Fee	05-083-06594	263405	4/17/02	6/16/2002	9/14/2009	Yes - 263405	4/26/02	2003	non-crop land	No	Yes	Yes	Yes	No	Liner observed in 3 soil borings; TPH concentration exceeded 910-1 in 1 soil boring, remediation (natural attenuation) underway; shallow soil EC concentration exceeded in 4 soil borings, remediation (soil amendment) underway; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Will be closed by the COGCC upon submission of written landowner permission to leave pit liner in place and completion of remediation to the current Table 910-1 standards
YF3	Fee/Fed	05-083-06593		4/9/02	5/22/2002		Yes		2003	crop land	No	Yes	Yes	Yes	No	Liner observed in 2 soil borings; shallow soil pH, SAR & EC concentrations exceeded 910-1 in 3 soil borings, remediation (soil amendment) underway; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Will be closed by the COGCC upon submission of written landowner permission to leave pit liner in place and completion of remediation to the current Table 910-1 standards
MC8	Fee/Fee	05-083-06625	279715	9/2/05	12/3/2005		Yes - 279715	9/1/05	2006	non-crop land	No	Yes	Yes	Yes	No	Liner observed in 3 soil borings; shallow soil SAR & EC concentrations exceeded 910-1 in 2 soil borings, remediation (soil amendment) underway; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Will be closed by the COGCC upon submission of written landowner permission to leave pit liner in place and completion of remediation to the current Table 910-1 standards
YA-5	Fee/Fee	05-083-06623	278718	7/12/05	8/22/2005		Yes - 278718	7/8/05	2006	crop land	No	Yes	Yes	Yes	No	Liner observed in 2 soil borings; shallow soil EC concentration exceeded 910-1 in 2 soil borings, remediation (natural attenuation) underway; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Will be closed by the COGCC upon submission of written landowner permission to leave pit liner in place and completion of remediation to the current Table 910-1 standards
DC2	Fee/Fee	05-033-06135		8/28/07	8/30/2007	7/21/2013	No	-	2008	rangeland	No	Yes	Yes	Yes	No	Liner observed in 2 soil borings; TPH concentration exceeded 910-1 in 1 soil boring, remediation (natural attenuation) underway; shallow soil pH & EC concentration exceeded 910-1 in 2 soil borings, remediation (soil amendment) underway	No variance to Rule 905 required. Will be closed by the COGCC upon submission of written landowner permission to leave pit liner in place and completion of remediation to the current Table 910-1 standards
DC8	Fee/Fed	05-033-06132		7/30/07	8/30/2007		No	-	2008	crop land	Yes	Yes	Yes	Yes	No	Liner observed in 3 soil borings; TPH concentration exceeded 910-1 in 1 soil boring, remediation (natural attenuation) underway; shallow soil EC concentration exceeded in 1 soil boring, remediation (soil amendment) underway; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Will be closed by the COGCC upon submission of written landowner permission to leave pit liner in place and completion of remediation to the current Table 910-1 standards

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## JUNE 2020 STATUS TABLE

Well Information					Spud Dates		Pit Information			Landowner Information	Water Wells	Sampling					
Well Name	Surface/ Mineral	API #	Facility ID No.	APD Approved	Spud Date	Re-entry Spud Date	Pit Permit	Pit Permit Date	Physical Pit Closure	Land Use	Water Well Within 1/2 Mile of the Wellhead	Soil Sampling Complete	Evidence of Pit Liner	Groundwater Sampling Complete	Groundwater Encountered	Pit Status	Path to Closure
GP11	Fee/Fee	05-083-06635		11/2/07	1/28/2008		No	-	2008	crop land	No	Yes	Yes	Yes	No	Liner observed in 4 soil borings; shallow soil SAR & EC concentrations exceeded 910-1 in 5 soil borings, remediation (soil amendment) underway; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Will be closed by the COGCC upon submission of written landowner permission to leave pit liner in place and completion of remediation to the current Table 910-1 standards
GP13	Fee/Fee	05-083-06645		3/27/08	5/19/2008		No	-	2008	crop land	Yes	Yes	Yes	Yes	Yes	Liner observed in 1 soil boring; TPH concentration exceeded 910-1 in 2 soil borings, remediation (oxidant injection) underway; shallow soil SAR & EC concentrations exceeded in 5 soil borings, remediation (soil amendment) underway; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Will be closed by the COGCC upon submission of written landowner permission to leave pit liner in place and completion of remediation to the current Table 910-1 standards
GP9	Fee/Fee	05-083-06633		10/12/07	11/10/2007		No	-	2008	KM property	No	Yes	Yes	Yes	No	Liner observed in 1 soil boring; TPH concentration exceeded 910-1 in 2 soil borings, remediation (natural attenuation) underway; shallow soil EC concentration exceeded in 2 soil boring, remediation (soil amendment) underway; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Will be closed by the COGCC upon submission of written landowner permission to leave pit liner in place and completion of remediation to the current Table 910-1 standards
Locations Close Post-2009 - Pending Final Closure																	
GP12	Fee/Fee	05-083-06634		11/2/07	12/19/2007		No	-	2009	pasture	Yes	Yes	Yes	Yes	Yes	Liner observed in 2 soil borings; shallow soil EC concentration exceeded 910-1 in 2 soil borings, remediation (natural attenuation) underway; landowner has signed waiver to leave pit liner in place	Restrictive Notice executed by Landowner and CDPHE and recorded in Montezuma County. COGCC approved KM's variance request to Rule 905.b.(3)A. Site will be closed upon completion of remediation to the current Table 910-1 standards.
GP14	Fee/Fee	05-083-06642		3/27/08	9/20/2008		No		2009	pinyon juniper	No	Yes	Yes	Yes	No	Liner observed in 4 soil borings; TPH concentration exceeded 910-1 in 6 soil borings, remediation (oxidant injection) underway; shallow soil EC concentration exceeded 910-1 in 1 soil boring, remediation (natural attenuation) underway; landowner has signed waiver to leave pit liner in place	Restrictive Notice executed by Landowner and CDPHE and recorded in Montezuma County. COGCC approved KM's variance request to Rule 905.b.(3)A. Site will be closed upon completion of remediation to the current Table 910-1 standards.
GP15	Fee/Fee	05-083-06641		2/14/08	8/6/2008		No		2009	crop land	No	Yes	Yes	Yes	No	Liner observed in 1 soil boring, small pieces observed on ground surface; landowner has signed waiver to leave pit liner in place	Restrictive Notice executed by Landowner and CDPHE and recorded in Montezuma County. COGCC approved KM's variance request to Rule 905.b.(3)A. Site has been closed by COGCC.
GP16	Fee/Fee	05-083-06649		4/9/08	7/1/2008	4/28/2014	No		2009	crop land	Yes	Yes	Yes	Yes	No	Liner observed in 1 soil boring; TPH concentration exceeded 910-1 in 1 soil boring, remediation (natural attenuation) underway; shallow soil EC concentration exceeded in 1 soil boring, remediation (soil amendment) underway; landowner has signed waiver to leave pit liner in place	Restrictive Notice executed by Landowner and CDPHE and recorded in Montezuma County. COGCC approved KM's variance request to Rule 905.b.(3)A. Site will be closed upon completion of remediation to the current Table 910-1 standards.

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Well Information					Spud Dates		Pit Information			Landowner Information	Water Wells	Sampling					
Well Name	Surface/Mineral	API #	Facility ID No.	APD Approved	Spud Date	Re-entry Spud Date	Pit Permit	Pit Permit Date	Physical Pit Closure	Land Use	Water Well Within 1/2 Mile of the Wellhead	Soil Sampling Complete	Evidence of Pit Liner	Groundwater Sampling Complete	Groundwater Encountered	Pit Status	Path to Closure
GP17	Fee/Fee	05-083-06640		3/6/08	3/24/2008		No		2009	crop land	Yes	Yes	Yes	Yes	Yes	Liner observed in 1 soil boring; landowner has signed waiver to leave pit liner in place	Restrictive Notice executed by Landowner and CDPHE and recorded in Montezuma County. COGCC approved KM's variance request to Rule 905.b.(3)A. Site has been closed by COGCC.
GP-19	Fee/Fee	05-083-06655		9/25/08	11/10/2008	2/27/2011	No		2009	crop land	Yes	Yes	Yes	Yes	Yes	Liner observed in 2 soil borings; TPH concentration exceeded 910-1 in 1 soil boring, remediation (natural attenuation) underway; shallow soil EC concentration & pH exceeded 910-1 in 1 soil boring, remediation (soil amendment) underway; landowner has signed waiver to leave pit liner in place	Restrictive Notice executed by Landowner and CDPHE and recorded in Montezuma County. COGCC approved KM's variance request to Rule 905.b.(3)A. Site will be closed upon completion of remediation to the current Table 910-1 standards.
YE7	Fee/Fed	05-083-06624	278776	9/2/05	10/23/2005		Yes - 278776	7/12/05	2010	non-crop land	No	Yes	Yes	Yes	No	Liner observed in 4 soil borings; TPH concentration exceeded 910-1 in 3 soil borings, remediation (oxidant injection) underway; landowner has signed waiver to leave pit liner in place	Restrictive Notice executed by Landowner and CDPHE and recorded in Montezuma County. COGCC approved KM's variance request to Rule 905.b.(3)A. Site will be closed upon completion of remediation to the current Table 910-1 standards.

# Exhibit B

## Summary of DC-5 Groundwater Sampling Results

Well ID	Sample Date	Organic Compounds				Inorganic Compounds		
		Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TDS (mg/L)	Chloride (mg/L)	Sulfate (mg/L)
COGCC Table 910-1 maximum allowable limits (mg/L)		0.005	0.560 - 1.00	0.700	1.40 - 10.0	405 <sup>1</sup>	14.0 <sup>2</sup>	28.8 <sup>2</sup>
MW-1	6/8/17	<0.001	<0.001	<0.001	<0.001	334	10.0	20.8
	8/29/17	<0.001	<0.001	<0.001	<0.001	324	11.2	23.0
	4/11/18	NM	NM	NM	NM	300	11.3	22.8
	9/26/18	NM	NM	NM	NM	325	14.9	25.8
	4/17/19	NM	NM	NM	NM	685	132	105.0
	10/1/19	NM	NM	NM	NM	445	41.3	38.3
	4/16/20	NM	NM	NM	NM	400	23.9	25.1
MW-2	6/8/17	<0.001	<0.001	<0.001	<0.001	15,300	8,500	405
	8/29/17	<0.001	<0.001	<0.001	<0.001	12,700	5,310	267
	4/11/18	NM	NM	NM	NM	9,930	4,900	271
	9/26/18	NM	NM	NM	NM	1,310	84.6	372
	4/17/19	NM	NM	NM	NM	1,630	660	42.2
	10/1/19	NM	NM	NM	NM	8,200	4,780	195
	4/16/20	NM	NM	NM	NM	8,920	4,820	260
MW-3	6/8/17	<0.001	<0.001	<0.001	<0.001	5,690	2,390	57.0
	8/29/17	<0.001	<0.001	<0.001	<0.001	4,900	1,850	57.7
	4/11/18	NM	NM	NM	NM	3,570	1,840	52.6
	9/26/18	NM	NM	NM	NM	3,310	1,510	48.6
	4/17/19	NM	NM	NM	NM	2,450	1,070	41.5
	10/1/19	NM	NM	NM	NM	4,980	2,670	60.4
	4/16/20	NM	NM	NM	NM	5,240	2,700	59.0
MW-4	6/8/17	<0.001	<0.001	<0.001	<0.001	366	29.0	27.8
	8/29/17	<0.001	<0.001	<0.001	<0.001	354	20.4	26.5
	4/11/18	NM	NM	NM	NM	330	19.8	26.8
	9/26/18	NM	NM	NM	NM	365	26.6	29.3
	4/17/19	NM	NM	NM	NM	565	88.8	93.0
	10/1/19	NM	NM	NM	NM	465	46.0	52.7
	4/16/20	NM	NM	NM	NM	485	44.1	48.7
MW-5	6/8/17	<0.001	<0.001	<0.001	<0.001	626	150	31.8
	8/29/17	<0.001	<0.001	<0.001	<0.001	408	60.7	28.7
	4/11/18	NM	NM	NM	NM	380	47.8	28.9
	9/26/18	NM	NM	NM	NM	335	42.5	31.1
	4/17/19	NM	NM	NM	NM	445	64.4	30.7
	10/1/19	NM	NM	NM	NM	750	151	35.9
	4/16/20	NM	NM	NM	NM	590	99.3	33.2
MW-6	8/30/17	<0.001	<0.001	<0.001	<0.001	1,560	33.9	25.3
	4/11/18	NM	NM	NM	NM	460	11.1	17.3
	9/26/18	NM	NM	NM	NM	510	8.33	<1.00
	4/17/19	NM	NM	NM	NM	460	7.61	1.18
	10/1/19	NM	NM	NM	NM	450	7.57	<1.00
	4/16/20	NM	NM	NM	NM	530	7.07	<1.00

### Notes:

<sup>1</sup> Maximum allowable limit calculated at 1.25 times the background level. Background is the lowest upgradient concentration observed.

<sup>2</sup> Maximum allowable limit calculated at 1.25 times the background level. Background is from the sampling event with the lowest observed T concentration.

NM = Not Measured. Approved sampling plan does not require analysis of Benzene, Toluene, Ethylbenzene and total Xylenes (BTEX).

# Exhibit C

## Summary of DC-5 Groundwater Elevations

<u>Well ID</u>	<u>Date</u>	<u>TOC Elev</u>	<u>TD (ft)</u>	<u>Screen (ft)</u>	<u>DTW (ft)</u>	<u>GW Elev</u>
MW-1	10/3/17	7334.17	40	20 - 40	25.87	7308.30
	4/11/18	7334.17	40	20 - 40	26.80	7307.37
	9/26/18	7334.17	40	20 - 40	26.76	7307.41
	4/17/19	7334.17	40	20 - 40	20.29	7313.88
	10/1/19	7334.17	40	20 - 40	22.40	7311.77
	4/16/20	7334.17	40	20 - 40	25.07	7309.10
MW-2	10/3/17	7331.01	40	20 - 40	29.58	7301.43
	4/11/18	7331.01	40	20 - 40	29.84	7301.17
	9/26/18	7331.01	40	20 - 40	30.06	7300.95
	4/17/19	7331.01	40	20 - 40	24.57	7306.44
	10/1/19	7331.01	40	20 - 40	27.89	7303.12
	4/16/20	7331.01	40	20 - 40	29.18	7301.83
MW-3	10/3/17	7316.22	40	20 - 40	14.84	7301.38
	4/11/18	7316.22	40	20 - 40	15.08	7301.14
	9/26/18	7316.22	40	20 - 40	15.34	7300.88
	4/17/19	7316.22	40	20 - 40	9.82	7306.40
	10/1/19	7316.22	40	20 - 40	12.98	7303.24
	4/16/20	7316.22	40	20 - 40	14.45	7301.77
MW-4	10/3/17	7320.75	30	10 - 30	20.22	7300.53
	4/11/18	7320.75	30	10 - 30	20.24	7300.51
	9/26/18	7320.75	30	10 - 30	20.64	7300.11
	4/17/19	7320.75	30	10 - 30	11.06	7309.69
	10/1/19	7320.75	30	10 - 30	18.68	7302.07
	4/16/20	7320.75	30	10 - 30	19.56	7301.19
MW-5	10/3/17	7316.25	28	7 - 27	17.37	7298.88
	4/11/18	7316.25	28	7 - 27	17.63	7298.62
	9/26/18	7316.25	28	7 - 27	17.86	7298.39
	4/17/19	7316.25	28	7 - 27	12.00	7304.25
	10/1/19	7316.25	28	7 - 27	16.62	7299.63
	4/16/20	7316.25	28	7 - 27	17.09	7299.16
MW-6	10/3/17	7293.02	55	34 - 54	11.57	7281.45
	4/11/18	7293.02	55	34 - 54	11.14	7281.88
	9/26/18	7293.02	55	34 - 54	12.59	7280.43
	4/17/19	7293.02	55	34 - 54	5.07	7287.95
	10/1/19	7293.02	55	34 - 54	7.47	7285.55
	4/16/20	7293.02	55	34 - 54	8.88	7284.14