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Date Received  
12/14/2020

December 17, 2020

Colorado Oil & Gas Conservation Commission  
ATTN: Environmental Manager Greg Deranleau  
Via email: [greg.deranleau@state.co.us](mailto:greg.deranleau@state.co.us)  
1120 Lincoln Street, Suite 801  
Denver, Colorado 80203

RE: Kinder Morgan CO2 Company, L.P.  
Rule 523.e. Voluntary Self Disclosure – Nineteenth 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 nineteenth quarterly status report to its Rule 523.e. voluntary self-disclosure made on February 17, 2016. This nineteenth quarterly status report follows eighteen prior quarterly status reports from June 2016 to September 2020 and summarizes the final closure status of certain drilling pits located in Montezuma and Dolores Counties, Colorado. The attached table labeled "Exhibit A – December 2020 Status Table" provides a summary of the status of the subject pits as of this nineteenth quarterly status report.

Since our last status report, the COGCC approved a Form 27 to formally close the DC-2 drilling pit, as outlined on Exhibit A. Kinder Morgan is diligently working to finalize the requirements for closure at the remaining two pit locations, GP-13 and GP-16. Toward this end, Kinder Morgan is planning to perform subsurface chemical oxidation injection at these two sites in Spring 2021, and will submit Form 27 closure requests when remediation is complete at these two locations.

Kinder Morgan completed semi-annual groundwater sampling for the six (6) monitoring wells at the DC-5 location in October 2020. The updated groundwater sampling results for the six (6) monitoring wells at the DC-5 location are attached as Exhibit B. The groundwater elevations at these locations are 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. Pursuant to previous conversations between our two teams, since there are only two sites open at this time, Kinder Morgan will be providing future status reports on a semi-annual basis, in June and December, instead of quarterly. Therefore, Kinder Morgan will submit its next report on or before June 30, 2021. If at any time you or the COGCC Staff has questions or would

Mr. Greg Deranleau  
December 17, 2020  
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like additional detail on any item, you may reach me at 713-369-8087 or  
casey\_zweig@kindermorgan.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "S. Casey Zweig", is written over a light blue horizontal line.

Stephen Casey Zweig  
Director of Operations and Engineering

*Enclosures*

Cc (via email): Director Julie Murphy, COGCC  
Jessica Toll, KM  
Barry Swift, KM  
Jamie Jost, Jost Energy Law, P.C.  
Alex Fisher, COGCC  
Jim Hughes, COGCC

# EXHIBIT A

## DECEMBER 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	8/16/2000	4/30/2001	9/7/2009	Yes - 257924	8/25/2000	2002	crop land	No	Yes	Yes	Yes	No	Liner observed in 1 soil boring; shallow soil EC Table 910-1 standard exceeded in 3 soil borings, remediation (natural attenuation) completed; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Documentation (August 2020 soil sample analysis) showing that remediation meets current Table 910-1 standards and written landowner permission to leave pit liner in place submitted to COGCC via Form 27, closure requested and approved.
HB-5	Fee/Fee	05-083-06596	264308	8/15/2002	8/3/2002		Yes - 264308	7/30/2002	2003	CRP	No	Yes	Yes	Yes	No	Liner observed in 1 soil boring; shallow soil EC Table 910-1 standard exceeded in 1 soil boring, remediation (natural attenuation) completed; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Documentation (August 2020 soil sample analysis) showing that remediation meets current Table 910-1 standards and written landowner permission to leave pit liner in place submitted to COGCC via Form 27, closure requested and approved.
YE6	Fee/Fee	05-083-06594	263405	4/17/2002	6/16/2002	9/14/2009	Yes - 263405	4/26/2002	2003	non-crop land	No	Yes	Yes	Yes	No	Liner observed in 3 soil borings; TPH Table 910-1 standard exceeded in 1 soil boring, remediation (natural attenuation) completed; shallow soil EC Table 910-1 standard exceeded in 4 soil borings, remediation (soil amendment) completed; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Documentation (August 2020 soil sample analysis) showing that remediation meets current Table 910-1 standards and written landowner permission to leave pit liner in place submitted to COGCC via Form 27, closure requested and approved.
YF3	Fee/Fed	05-083-06593		4/9/2002	5/22/2002		Yes		2003	crop land	No	Yes	Yes	Yes	No	Liner observed in 2 soil borings; shallow soil pH, SAR & EC Table 910-1 standards exceeded in 3 soil borings, remediation (soil amendment) completed; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Documentation (August 2020 soil sample analysis) showing that remediation meets current Table 910-1 standards and written landowner permission to leave pit liner in place submitted to COGCC via Form 27, closure requested and approved.
MC8	Fee/Fee	05-083-06625	279715	9/2/2005	12/3/2005		Yes - 279715	9/1/2005	2006	non-crop land	No	Yes	Yes	Yes	No	Liner observed in 3 soil borings; shallow soil SAR & EC Table 910-1 standards exceeded in 2 soil borings, remediation (soil amendment) completed; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Documentation (August 2020 soil sample analysis) showing that remediation meets current Table 910-1 standards and written landowner permission to leave pit liner in place submitted to COGCC via Form 27, closure requested and approved.
YA-5	Fee/Fee	05-083-06623	278718	7/12/2005	8/22/2005		Yes - 278718	7/8/2005	2006	crop land	No	Yes	Yes	Yes	No	Liner observed in 2 soil borings; shallow soil EC Table 910-1 standard exceeded in 2 soil borings, remediation (natural attenuation) completed; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Documentation (August 2020 soil sample analysis) showing that remediation meets current Table 910-1 standards and written landowner permission to leave pit liner in place submitted to COGCC via Form 27, closure requested and approved.
DC2	Fee/Fee	05-033-06135		8/28/2007	8/30/2007	7/21/2013	No	-	2008	rangeland	No	Yes	Yes	Yes	No	Liner observed in 2 soil borings; TPH Table 910-1 standard exceeded in 1 soil boring, remediation (natural attenuation) completed; shallow soil pH & EC Table 910-1 standards exceeded in 2 soil borings, remediation (soil amendment) completed; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Documentation (August 2020 soil sample analysis) showing that remediation meets current Table 910-1 standards and written landowner permission to leave pit liner in place submitted to COGCC via Form 27, closure requested and approved.

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## DECEMBER 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
DC8	Fee/Fed	05-033-06132		7/30/2007	8/30/2007		No	-	2008	crop land	Yes	Yes	Yes	Yes	No	Liner observed in 3 soil borings; TPH Table 910-1 standard exceeded in 1 soil boring, remediation (natural attenuation) completed; shallow soil EC standard exceeded in 1 soil boring, remediation (soil amendment) completed; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Documentation (August 2020 soil sample analysis) showing that remediation meets current Table 910-1 standards and written landowner permission to leave pit liner in place submitted to COGCC via Form 27, closure requested and approved.
GP11	Fee/Fee	05-083-06635		11/2/2007	1/28/2008		No	-	2008	crop land	No	Yes	Yes	Yes	No	Liner observed in 4 soil borings; shallow soil SAR & EC Table 910-1 standards exceeded in 5 soil borings, remediation (soil amendment) completed; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Documentation (August 2020 soil sample analysis) showing that remediation meets current Table 910-1 standards and written landowner permission to leave pit liner in place submitted to COGCC via Form 27, closure requested and approved.
GP13	Fee/Fee	05-083-06645		3/27/2008	5/19/2008		No	-	2008	crop land	Yes	Yes	Yes	Yes	Yes	Liner observed in 1 soil boring; TPH Table 910-1 standard exceeded in 2 soil borings, Phase 1 remediation (oxidant injection) completed, TPH concentration still exceeds Table 910-1 standard in 1 soil boring, Phase 2 remediation (oxidant injection) in planning stage; shallow soil SAR & EC Table 910-1 standards exceeded in 5 soil borings, remediation (soil amendment) completed; 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		10/12/2007	11/10/2007		No	-	2008	KM property	No	Yes	Yes	Yes	No	Liner observed in 1 soil boring; TPH Table 910-1 standard exceeded in 2 soil borings, remediation (natural attenuation) completed; shallow soil EC Table 910-1 standard exceeded in 2 soil borings, remediation (soil amendment) completed; landowner has signed waiver to leave pit liner in place	No variance to Rule 905 required. Documentation (August 2020 soil sample analysis) showing that remediation meets current Table 910-1 standards and written landowner permission to leave pit liner in place submitted to COGCC via Form 27, closure requested and approved.
Locations Close Post-2009 - Pending Final Closure																	
GP12	Fee/Fee	05-083-06634		11/2/2007	12/19/2007		No	-	2009	pasture	Yes	Yes	Yes	Yes	Yes	Liner observed in 2 soil borings; shallow soil EC Table 910-1 standard exceeded in 2 soil borings, remediation (natural attenuation) completed; 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. Documentation (August 2020 soil sample analysis) showing that remediation meets current Table 910-1 standards submitted to COGCC via Form 27, closure requested and approved.
GP14	Fee/Fee	05-083-06642		3/27/2008	9/20/2008		No		2009	pinyon juniper	No	Yes	Yes	Yes	No	Liner observed in 4 soil borings; TPH Table 910-1 standard exceeded in 4 soil borings, remediation (oxidant injection) completed; shallow soil EC Table 910-1 standard exceeded in 1 soil boring, remediation (natural attenuation) completed; 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. Documentation (August 2020 soil sample analysis) showing that remediation meets current Table 910-1 standards submitted to COGCC via Form 27, closure requested and approved.

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## DECEMBER 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
GP15	Fee/Fee	05-083-06641		2/14/2008	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		4/9/2008	7/1/2008	4/28/2014	No		2009	crop land	Yes	Yes	Yes	Yes	No	Liner observed in 2 soil borings; TPH Table 910-1 standard exceeded in 1 soil boring, Phase 1 remediation (natural attenuation) completed, TPH concentration still exceeds Table 910-1 standard in 1 soil boring. Phase 2 remediation (oxidant injection) in planning stage; shallow soil EC Table 910-1 standard exceeded in 1 soil boring, remediation (soil amendment) completed; 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.
GP17	Fee/Fee	05-083-06640		3/6/2008	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		9/25/2008	11/10/2008	2/27/2011	No		2009	crop land	Yes	Yes	Yes	Yes	Yes	Liner observed in 2 soil borings; TPH Table 910-1 standard exceeded in 1 soil boring, remediation (natural attenuation) completed; shallow soil EC & pH Table 910-1 standards exceeded in 1 soil boring, remediation (soil amendment) completed; 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. Documentation (August 2020 soil sample analysis) showing that remediation meets current Table 910-1 standards submitted to COGCC via Form 27, closure requested and approved.
YE7	Fee/Fed	05-083-06624	278776	9/2/2005	10/23/2005		Yes - 278776	7/12/2005	2010	non-crop land	No	Yes	Yes	Yes	No	Liner observed in 4 soil borings; TPH Table 910-1 standard exceeded in 2 soil borings, remediation (oxidant injection) completed; 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. Documentation (August 2020 soil sample analysis) showing that remediation meets current Table 910-1 standards submitted to COGCC via Form 27, closure requested and approved.

## 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	6/8/2017	<0.001	<0.001	<0.001	<0.001	334	10.0	20.8
	8/29/2017	<0.001	<0.001	<0.001	<0.001	324	11.2	23.0
	4/11/2018	NM	NM	NM	NM	300	11.3	22.8
	9/26/2018	NM	NM	NM	NM	325	14.9	25.8
	4/17/2019	NM	NM	NM	NM	685	132	105.0
	10/1/2019	NM	NM	NM	NM	445	41.3	38.3
	4/16/2020	NM	NM	NM	NM	400	23.9	25.1
	10/1/2020	NM	NM	NM	NM	365	15.3	22.3
MW-2	6/8/2017	<0.001	<0.001	<0.001	<0.001	15,300	8,500	405
	8/29/2017	<0.001	<0.001	<0.001	<0.001	12,700	5,310	267
	4/11/2018	NM	NM	NM	NM	9,930	4,900	271
	9/26/2018	NM	NM	NM	NM	1,310	84.6	372
	4/17/2019	NM	NM	NM	NM	1,630	660	42.2
	10/1/2019	NM	NM	NM	NM	8,200	4,780	195
	4/16/2020	NM	NM	NM	NM	8,920	4,820	260
	10/1/2020	NM	NM	NM	NM	6,480	3,270	258
MW-3	6/8/2017	<0.001	<0.001	<0.001	<0.001	5,690	2,390	57.0
	8/29/2017	<0.001	<0.001	<0.001	<0.001	4,900	1,850	57.7
	4/11/2018	NM	NM	NM	NM	3,570	1,840	52.6
	9/26/2018	NM	NM	NM	NM	3,310	1,510	48.6
	4/17/2019	NM	NM	NM	NM	2,450	1,070	41.5
	10/1/2019	NM	NM	NM	NM	4,980	2,670	60.4
	4/16/2020	NM	NM	NM	NM	5,240	2,700	59.0
	10/1/2020	NM	NM	NM	NM	4,230	2,210	54.2
MW-4	6/8/2017	<0.001	<0.001	<0.001	<0.001	366	29.0	27.8
	8/29/2017	<0.001	<0.001	<0.001	<0.001	354	20.4	26.5
	4/11/2018	NM	NM	NM	NM	330	19.8	26.8
	9/26/2018	NM	NM	NM	NM	365	26.6	29.3
	4/17/2019	NM	NM	NM	NM	565	88.8	93.0
	10/1/2019	NM	NM	NM	NM	465	46.0	52.7
	4/16/2020	NM	NM	NM	NM	485	44.1	48.7
	10/1/2020	NM	NM	NM	NM	440	38.7	37.3
MW-5	6/8/2017	<0.001	<0.001	<0.001	<0.001	626	150	31.8
	8/29/2017	<0.001	<0.001	<0.001	<0.001	408	60.7	28.7
	4/11/2018	NM	NM	NM	NM	380	47.8	28.9
	9/26/2018	NM	NM	NM	NM	335	42.5	31.1
	4/17/2019	NM	NM	NM	NM	445	64.4	30.7
	10/1/2019	NM	NM	NM	NM	750	151	35.9
	4/16/2020	NM	NM	NM	NM	590	99.3	33.2
	10/1/2020	NM	NM	NM	NM	475	41.7	28.6
MW-6	8/30/2017	<0.001	<0.001	<0.001	<0.001	1,560	33.9	25.3
	4/11/2018	NM	NM	NM	NM	460	11.1	17.3
	9/26/2018	NM	NM	NM	NM	510	8.33	<1.00
	4/17/2019	NM	NM	NM	NM	460	7.61	1.18
	10/1/2019	NM	NM	NM	NM	450	7.57	<1.00
	4/16/2020	NM	NM	NM	NM	530	7.07	<1.00
	10/1/2020	NM	NM	NM	NM	455	7.66	<3.00

**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 TDS 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	6/7/2017	7334.17	40	20 - 40	27.92	7306.25
	8/29/2017	7334.17	40	20 - 40	25.87	7308.30
	4/11/2018	7334.17	40	20 - 40	26.80	7307.37
	9/26/2018	7334.17	40	20 - 40	26.76	7307.41
	4/17/2019	7334.17	40	20 - 40	20.29	7313.88
	10/1/2019	7334.17	40	20 - 40	22.40	7311.77
	4/16/2020	7334.17	40	20 - 40	25.07	7309.10
	10/1/2020	7334.17	40	20 - 40	25.55	7308.62
MW-2	6/7/2017	7331.01	40	20 - 40	29.62	7301.39
	8/29/2017	7331.01	40	20 - 40	29.58	7301.43
	4/11/2018	7331.01	40	20 - 40	29.84	7301.17
	9/26/2018	7331.01	40	20 - 40	30.06	7300.95
	4/17/2019	7331.01	40	20 - 40	24.57	7306.44
	10/1/2019	7331.01	40	20 - 40	27.89	7303.12
	4/16/2020	7331.01	40	20 - 40	29.18	7301.83
	10/1/2020	7331.01	40	20 - 40	29.82	7301.19
MW-3	6/7/2017	7316.22	40	20 - 40	14.81	7301.41
	8/29/2017	7316.22	40	20 - 40	14.84	7301.38
	4/11/2018	7316.22	40	20 - 40	15.08	7301.14
	9/26/2018	7316.22	40	20 - 40	15.34	7300.88
	4/17/2019	7316.22	40	20 - 40	9.82	7306.40
	10/1/2019	7316.22	40	20 - 40	12.98	7303.24
	4/16/2020	7316.22	40	20 - 40	14.45	7301.77
	10/1/2020	7316.22	40	20 - 40	15.10	7301.12
MW-4	6/6/2017	7320.75	30	10 - 30	22.46	7298.29
	8/29/2017	7320.75	30	10 - 30	20.22	7300.53
	4/11/2018	7320.75	30	10 - 30	20.24	7300.51
	9/26/2018	7320.75	30	10 - 30	20.64	7300.11
	4/17/2019	7320.75	30	10 - 30	11.06	7309.69
	10/1/2019	7320.75	30	10 - 30	18.68	7302.07
	4/16/2020	7320.75	30	10 - 30	19.56	7301.19
	10/1/2020	7320.75	30	10 - 30	20.34	7300.41
MW-5	6/6/2017	7316.25	28	7 - 27	17.30	7298.95
	8/29/2017	7316.25	28	7 - 27	17.37	7298.88
	4/11/2018	7316.25	28	7 - 27	17.63	7298.62
	9/26/2018	7316.25	28	7 - 27	17.86	7298.39
	4/17/2019	7316.25	28	7 - 27	12.00	7304.25
	10/1/2019	7316.25	28	7 - 27	16.62	7299.63
	4/16/2020	7316.25	28	7 - 27	17.09	7299.16
	10/1/2020	7316.25	28	7 - 27	17.67	7298.58
MW-6	8/30/2017	7293.02	55	34 - 54	11.57	7281.45
	4/11/2018	7293.02	55	34 - 54	11.14	7281.88
	9/26/2018	7293.02	55	34 - 54	12.59	7280.43
	4/17/2019	7293.02	55	34 - 54	5.07	7287.95
	10/1/2019	7293.02	55	34 - 54	7.47	7285.55
	4/16/2020	7293.02	55	34 - 54	8.88	7284.14
	10/1/2020	7293.02	55	34 - 54	12.02	7281.00