



June 26, 2019

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 – Thirteenth 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 thirteenth quarterly status report to its Rule 523.e. voluntary self-disclosure made on February 17, 2016. This thirteenth quarterly status report follows twelve prior quarterly status reports from June 30, 2016 to March 22, 2019 and summarizes the closure status of certain drilling pits located in Montezuma and Dolores Counties, Colorado, subject to pending future variance requests. The attached table labeled "Exhibit A – June 2019 Status Table" provides a summary of the status of the subject pits as of this thirteenth quarterly status report.

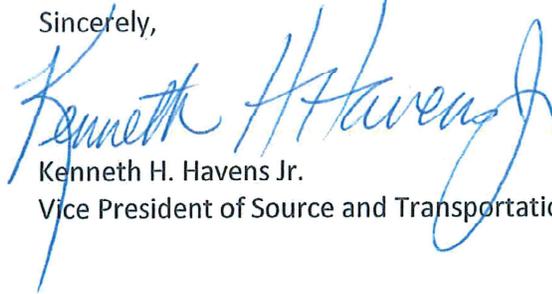
As we discussed in our meeting with the COGCC and the CDPHE on November 9, 2018, and confirmed by you via email on January 22, 2019, Kinder Morgan, the COGCC and the CDPHE have agreed to a path forward with respect to the subject pit locations. The closure plan and updated status for each pit is summarized on the attached Exhibit A. As of the date of this status report, the fee surface owners of six (6) of seven (7) pit locations closed post-2009 that are subject to pending variance requests have executed Notices of Environmental Use Restrictions with the Hazardous Materials and Waste Management Division of the CDPHE pursuant to C.R.S. § 25-15-321.5 ("Restrictive Notices") for the following locations: GP-12, GP-14, GP-15, GP-16, GP-17 and YE-7, as summarized on Exhibit A. Kinder Morgan has sent written notice to the interest owners within the lands subject to the six (6) Restrictive Notices with a 30-day comment period, after which CDPHE will address any comments and execute the six (6) Restrictive Notices. Kinder Morgan is actively working to finalize the seventh Restrictive Notice and will provide an update on the status of the GP-19 pit location on or before September 30, 2019.

In addition, Kinder Morgan is providing updated groundwater sampling results for the six (6) monitoring wells at the DC-5 location, attached as Exhibit B. The water levels at these locations

increased significantly in April 2019, summarized on the attached Exhibit C, which affected the water quality results.

Kinder Morgan looks forward to working with you and COGCC Staff to bring these 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 with respect to the revised variance requests, Kinder Morgan will submit its fourteenth quarterly report, if necessary, on or before September 30, 2019, 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, please let me know by contacting me at 713-369-9113 or ken\_havens@kindermorgan.com.

Sincerely,



Kenneth H. Havens Jr.  
Vice President of Source and Transportation

*Enclosures*

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

EXHIBIT A

JUNE 2019 STATUS TABLE

Well Information					Spud Dates		Pit Information			Information	Water Wells	Sampling					Pit Status	Path to Closure
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			
<b>Locations Closed Pre-2009 with Landowner Approval</b>																		
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 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	8/15/2002	8/3/2002		Yes - 264308	7/30/2002	2003	CRP	No	Yes	Yes	Yes	No	Liner observed in 1 soil boring; shallow soil EC 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	263435	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 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		4/9/2002	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	9/2/2005	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 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	7/12/2005	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 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		8/28/2007	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	

EXHIBIT A

JUNE 2019 STATUS TABLE

Well Information					Spud Dates		Pit Information			Information	Water Wells	Sampling				Pit Status	Path to Closure
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		
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 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
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 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		3/27/2008	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		10/12/2007	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 - Subject to Variance Requests																	
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 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; upon finalization of the Restrictive Notice, KM will submit a variance request to Rule 905.b.(3)A.
GP14	Fee/Fee	05-083-06642		3/27/2008	9/20/2008		No	-	2009	piñon 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; upon finalization of the Restrictive Notice, KM will submit a variance request to Rule 905.b.(3)A.
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; upon finalization of the Restrictive Notice, KM will submit a variance request to Rule 905.b.(3)A.

EXHIBIT A

JUNE 2019 STATUS TABLE

Well Information					Spud Dates		Pit Information			Information	Water Wells	Sampling				Pit Status	Path to Closure
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		
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 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; upon finalization of the Restrictive Notice, KM will submit a variance request to Rule 905.b.(3)A.
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; upon finalization of the Restrictive Notice, KM will submit a variance request to Rule 905.b.(3)A.
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 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	Discussing Restrictive Notice with Landowner; upon finalization of the Restrictive Notice with the CDPHE, KM will submit a variance request to Rule 905.b.(3)A.
YE7	Fee/Fed	05-083-06624	278775	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 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; upon finalization of the Restrictive Notice, KM will submit a variance request to Rule 905.b.(3)A.
<b>Pits Closed on BLM Land</b>																	
YB-4	Fed/Fed	05-083-06587		6/21/1998	5/29/2001		No		2002	CANM	No	-	-	-	-	No further action necessary at this time	No excavation or remediation required. The COGCC reserves the right to require full cleanup should significant adverse impacts be identified at a later date.
HE-5	Fed/Fed	05-083-06601		3/6/2003	9/10/2002		No		2003	CANM	No	-	-	-	-	No further action necessary at this time	No excavation or remediation required. The COGCC reserves the right to require full cleanup should significant adverse impacts be identified at a later date.
SC10	Fed/Fed	05-083-06604		3/12/2003	10/6/2002		No		2003	CANM	No	-	-	-	-	No further action necessary at this time	No excavation or remediation required. The COGCC reserves the right to require full cleanup should significant adverse impacts be identified at a later date.
HC-4	Fed/Fed	05-083-06681		11/23/2009	10/4/2003		No		2004	CANM	No	-	-	-	-	No further action necessary at this time	No excavation or remediation required. The COGCC reserves the right to require full cleanup should significant adverse impacts be identified at a later date.

EXHIBIT A

JUNE 2019 STATUS TABLE

Well Information					Spud Dates		Pit Information			Information	Water Wells	Sampling				Pit Status	Path to Closure
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		
DC3	Fed/Fed	05-033-06133		8/28/2007	7/11/2007		No		2007	BLM	No	-	-	-	-	No further action necessary at this time	No excavation or remediation required. The COGCC reserves the right to require full cleanup should significant adverse impacts be identified at a later date.
DC4	Fed/Fed	05-033-06137		8/28/2007	8/17/2007		No		2007	BLM	No	-	-	-	-	No further action necessary at this time	No excavation or remediation required. The COGCC reserves the right to require full cleanup should significant adverse impacts be identified at a later date.
HF-3	Fed/Fed	05-083-06646		4/3/2008	4/15/2007	4/2/2009	No		2007	CANM	No	-	-	-	-	No further action necessary at this time	No excavation or remediation required. The COGCC reserves the right to require full cleanup should significant adverse impacts be identified at a later date.
SC11	Fed/Fed	05-083-06684		8/1/2010	2/20/2007		No		2007	CANM	No	-	-	-	-	No further action necessary at this time	No excavation or remediation required. The COGCC reserves the right to require full cleanup should significant adverse impacts be identified at a later date.
DC6	Fed/Fed	05-033-08134		8/28/2007	9/22/2007		No		2008	BLM	No	-	-	-	-	No further action necessary at this time	No excavation or remediation required. The COGCC reserves the right to require full cleanup should significant adverse impacts be identified at a later date.
GP20	Fed/Fed	05-083-06686	419732	10/7/2010	2/7/2012		Yes - 419732	3/17/2011	2013	CANM	No	-	-	-	-	No further action necessary at this time	No excavation or remediation required. The COGCC reserves the right to require full cleanup should significant adverse impacts be identified at a later date.
GP21	Fed/Fed	05-083-06687	419732	10/7/2010	4/17/2012		Yes - 419732	3/17/2011	2013	CANM	No	-	-	-	-	No further action necessary at this time	No excavation or remediation required. The COGCC reserves the right to require full cleanup should significant adverse impacts be identified at a later date.
GP22	Fed/Fed	05-033-06689	393066	10/7/2010	7/24/2011		Yes - 393066	3/17/2011	2013	CANM	No	-	-	-	-	No further action necessary at this time	No excavation or remediation required. The COGCC reserves the right to require full cleanup should significant adverse impacts be identified at a later date.
GP23	Fed/Fed	05-083-06688	393066	10/7/2010	11/15/2011		Yes - 393066	3/17/2011	2013	CANM	No	-	-	-	-	No further action necessary at this time	No excavation or remediation required. The COGCC reserves the right to require full cleanup should significant adverse impacts be identified at a later date.

**EXHIBIT A**

**JUNE 2019 STATUS TABLE**

Well Information					Spud Dates		Pit Information			Information	Water Wells	Sampling				Pit Status	Path to Closure
Well Name	Surface/ Mineral	API #	Facility ID No.	APD Approved	Spud Date	Re-entry Spud Date	Pit Permit	Pit Permit Date	Physical PR Closure	Land Use	Water Well Within 1/2 Mile of the Wellhead	Soil Sampling Complete	Evidence of Pit Liner	Groundwater Sampling Complete	Groundwater Encountered		
GP25	Fed/Fed	05-083-06685	419724	10/7/2010	11/14/2012		Yes - 419721	3/17/2011	2013	CANM	No	-	-	-	-	No further action necessary at this time	No excavation or remediation required. The COGCC reserves the right to require full cleanup should significant adverse impacts be identified at a later date.

# 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
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
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
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
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
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

**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	10/3/2017	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
MW-2	10/3/2017	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
MW-3	10/3/2017	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
MW-4	10/3/2017	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
MW-5	10/3/2017	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
MW-6	10/3/2017	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