



January 18, 2019

Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Attention: Ms. Kimberly D. Bose, Secretary

Re: El Paso Natural Gas Company, L.L.C.;
Semi-Annual Activity Report
Washington Ranch Storage Facility
Docket Nos. RP72-6, et al., CP79-224, and CP15-516

Commissioners:

El Paso Natural Gas Company, L.L.C. ("EPNG") is filing pursuant to the requirements of the Federal Energy Regulatory Commission ("Commission") in Docket Nos. RP72-6, et al., CP79-224, and CP15-516 the semi-annual activity report for the Washington Ranch Storage Facility.

Description of Proceeding

Pursuant to the Commission approved Stipulation and Agreement in the Settlement of Restructuring, Rate, and Related Proceedings filed January 29, 1993 in Docket Nos. RS92-60-000, et al., EPNG's Washington Ranch Storage Facility located in Eddy County, New Mexico is operated primarily as an adjunct to EPNG's transmission system for load balancing, line pack and pressure control. Additionally, as authorized in Docket No. RP05-422-000, EPNG offers interruptible storage services under Rate Schedule ISS.

Description of Items Filed

Pursuant to ordering paragraph (H) of the Commission Order Approving Stipulation and Agreement Settling Proceedings and Prescribing Permanent Allocation Plan, Granting Certificates of Public Convenience and Necessity, Granting Abandonments, and Granting Adjustments issued March 26, 1981 in Docket Nos. RP72-6, et al., and CP79-224, EPNG is submitting a semi-annual activity report for the Washington Ranch Storage Facility for the period of May 1, 2018 through October 31, 2018. This report has also incorporated additional Washington Ranch Storage Field information required by Ordering Paragraph (C) of the Commission Order in Docket No. CP15-516-000 issued August 18, 2015.

Filing Information

EPNG is eFiling this report with the Commission's Secretary in accordance with the Commission's Order No. 703, *Filing Via the Internet*, guidelines issued on November 15, 2007 in Docket No. RM07-16-000.

I have read these documents and the information contained therein is true, to the best of my knowledge and belief.

Respectfully submitted,

EL PASO NATURAL GAS COMPANY ,L.L.C.

By _____ /s/
Francisco Tarin
Director, Regulatory

Enclosures

EL PASO NATURAL GAS COMPANY, L.L.C.
SEMI-ANNUAL ACTIVITY REPORT
WASHINGTON RANCH STORAGE FACILITY
For the Period: May 1, 2018 – October 31, 2018

El Paso Natural Gas Company, L.L.C. ("EPNG") is submitting this report pursuant to ordering paragraph (H) of the Commission Order Approving Stipulation and Agreement Settling Proceedings and Prescribing Permanent Allocation Plan, Granting Certificates of Public Convenience and Necessity, Granting Abandonments, and Granting Adjustments issued March 26, 1981 in Docket Nos. RP72-6, et al., and CP79-224. Unless otherwise stated, all volumes are reported using a pressure base of 14.73 psia and a temperature base of 60°F. All volumes are listed in Mcf, unless otherwise stated. The storage activity cycle covered in this report is from May 1, 2018 through October 31, 2018.

- 1) The daily volume of natural gas injected into and withdrawn from the storage facility.

Attached as Exhibit 1 is the list of daily injection and withdrawal volumes for Washington Ranch for the May 1, 2018 through October 31, 2018 reporting period.

- 2) The volume of natural gas in the storage facility at the end of the reporting period.

The volume of gas in the reservoir as of November 1, 2018 was 35,977,431 Mcf at 14.73 psia.

- 3) The maximum daily injection or withdrawal rate experienced during the activity period, and the average working pressure on such maximum days, taken at a central measuring point where the total volume injected or withdrawn is measured.

<u>Telemetered Data</u>	<u>Volume (MMcf)</u>	<u>Working Pressure (psia)</u>
Maximum Injection:	149.0	736.6
Maximum Withdrawal:	211.4	736.4

- 4) Results of any tracer program by which the leakage of injected gas may be determined. If leakage of gas exists, the report should show the estimated total volume of gas leakage, the volume of recycled gas and the estimated remaining inventory of gas in the reservoir at the end of the reporting period.

No tracer surveys were conducted during the May 1, 2018 through October 31, 2018 reporting period.

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There was no indication of any gas leakage from the field/reservoir during the May 1, 2018 through October 31, 2018 reporting period.

- 5) Any surveys of pressures in gas wells, and the results of back-pressure tests conducted during the reporting period.

During the May 1, 2018 through October 31, 2018 reporting period, a bottom-hole pressure survey was conducted on September 13, 2018. Recorded pressures are attached in Exhibit 2.

No back-pressure tests were conducted during the May 1, 2018 through October 31, 2018 reporting period.

- 6) The latest revised structure and isopachous contour maps showing the location of the wells, the location and extent of the gas bubble in the storage reservoir for aquifer-type reservoirs and in any other reservoirs of the project in which gas bubbles are known to exist, and the location of the gas-water contact if one exists. This map need not be filed if there is no material change from the map previously filed.

No revisions have occurred to the structure or isopachous contour maps during the May 1, 2018 through October 31, 2018 reporting period. The location and extent of the gas bubble is not applicable for the type of reservoir which exists in the Washington Ranch Gas Storage Field.

- 7) For the reporting period, a summary of wells drilled, recompleted or worked-over, with subsea depth of formation and casing settings.

No drilling, re-completion, or work-over activity occurred during the May 1, 2018 through October 31, 2018 reporting period.

- 8) Discussion of current operating problems and conclusions.

EPNG did not experience any operating problems in the Washington Ranch Storage Facility during the May 1, 2018 through October 31, 2018 reporting period.

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- 9) Such other data or reports which may aid the Commission in the evaluation of the storage project.

EPNG did not experience any activities or events that would necessitate the generation of additional reports or data for the Washington Ranch Storage Facility during the May 1, 2018 through October 31, 2018 reporting period.

Exhibit 1
Reporting Period 5/1/18 to 10/31/18
El Paso Natural Gas Company, L.L.C.

Daily Volumes of Natural Gas Injection into and Withdrawal from the Washington Ranch Storage Field

DATE	Injection Net Mcf	Injection Net Dth	Withdrawal Net Mcf	Withdrawal Net Dth
5/1/2018	129524	136405	0	0
5/2/2018	129061	135420	0	0
5/3/2018	39795	41678	0	0
5/4/2018	126469	132509	0	0
5/5/2018	39800	41652	0	0
5/6/2018	0	0	70329	73668
5/7/2018	0	0	185484	194531
5/8/2018	0	0	158394	166357
5/9/2018	0	0	83155	87368
5/10/2018	17261	18166	902	947
5/11/2018	129481	136240	0	0
5/12/2018	104868	110098	0	0
5/13/2018	124964	131477	0	0
5/14/2018	14530	15271	0	0
5/15/2018	0	0	2983	3131
5/16/2018	0	0	121349	127505
5/17/2018	90	95	71408	74934
5/18/2018	119830	125718	20	21
5/19/2018	124150	130293	0	0
5/20/2018	126812	132905	0	0
5/21/2018	71867	75426	3606	3787
5/22/2018	69061	72380	3961	4136
5/23/2018	101232	105964	1286	1351
5/24/2018	25404	26709	2756	2896
5/25/2018	47722	50245	2598	2741
5/26/2018	7859	8289	5458	5762
5/27/2018	88849	93696	0	0
5/28/2018	113093	119011	0	0
5/29/2018	29545	31102	6607	6962
5/30/2018	1964	2071	57994	61025
5/31/2018	0	0	199212	209383
6/1/2018	0	0	147441	154760
6/2/2018	18218	19089	68574	71929
6/3/2018	68767	72288	305	321
6/4/2018	0	0	57483	60336
6/5/2018	2047	2146	21908	22968
6/6/2018	1950	2045	20787	21768
6/7/2018	0	0	41021	42969
6/8/2018	281	294	11788	12351
6/9/2018	18563	19504	6665	6990
6/10/2018	128516	135244	2	2

* Note that yellow highlighting indicates peak date injections/withdrawals.

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6/11/2018	9361	9824	8795	9222
6/12/2018	0	0	76681	80657
6/13/2018	0	0	139544	146422
6/14/2018	0	0	152286	159608
6/15/2018	23300	24492	214	224
6/16/2018	120245	126885	1	2
6/17/2018	114851	120853	0	0
6/18/2018	52777	55456	28	29
6/19/2018	26929	28300	0	0
6/20/2018	0	0	604	634
6/21/2018	0	0	61465	64550
6/22/2018	122673	129937	0	0
6/23/2018	81873	86984	0	0
6/24/2018	5276	5645	495	530
6/25/2018	0	0	50	54
6/26/2018	0	0	39535	42020
6/27/2018	0	0	48330	51169
6/28/2018	0	0	59477	62872
6/29/2018	0	0	49829	52618
6/30/2018	1333	1407	2298	2425
7/1/2018	3431	3620	1	1
7/2/2018	0	0	40922	43088
7/3/2018	0	0	122957	129264
7/4/2018	0	0	82290	86402
7/5/2018	0	0	103193	108318
7/6/2018	0	0	211365	221703
7/7/2018	0	0	151872	159173
7/8/2018	0	0	65787	68880
7/9/2018	0	0	64191	67208
7/10/2018	0	0	60269	63114
7/11/2018	0	0	107626	112670
7/12/2018	0	0	105707	110677
7/13/2018	0	0	52837	55271
7/14/2018	0	0	26239	27461
7/15/2018	0	0	0	0
7/16/2018	0	0	38934	40593
7/17/2018	0	0	108129	113134
7/18/2018	0	0	101316	105989
7/19/2018	0	0	139576	145932
7/20/2018	0	0	161918	169200
7/21/2018	0	0	148500	155092

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7/22/2018	117	122	8772	9157
7/23/2018	0	0	131623	137311
7/24/2018	0	0	100897	105261
7/25/2018	0	0	100477	104785
7/26/2018	0	0	125745	131106
7/27/2018	0	0	957	997
7/28/2018	0	0	0	0
7/29/2018	0	0	34640	35993
7/30/2018	0	0	112882	117545
7/31/2018	0	0	142736	148676
8/1/2018	0	0	146476	152501
8/2/2018	0	0	57786	60096
8/3/2018	0	0	88426	91981
8/4/2018	34528	36063	39305	40880
8/5/2018	40933	42740	44	46
8/6/2018	0	0	50462	52531
8/7/2018	0	0	101600	105767
8/8/2018	0	0	77730	80819
8/9/2018	0	0	67191	69831
8/10/2018	0	0	102099	106105
8/11/2018	0	0	53356	55404
8/12/2018	0	0	31325	32521
8/13/2018	0	0	17794	18441
8/14/2018	0	0	10802	11201
8/15/2018	0	0	55956	58043
8/16/2018	0	0	97156	100878
8/17/2018	0	0	90883	94340
8/18/2018	0	0	95705	99325
8/19/2018	0	0	109798	113932
8/20/2018	0	0	80148	83144
8/21/2018	0	0	107269	111240
8/22/2018	0	0	99245	102916
8/23/2018	57652	60335	140	145
8/24/2018	82512	86207	587	613
8/25/2018	7733	8097	8217	8616
8/26/2018	0	0	4467	4683
8/27/2018	0	0	11870	12391
8/28/2018	0	0	93859	97764
8/29/2018	0	0	76292	79427
8/30/2018	0	0	6379	6625
8/31/2018	87877	92053	0	0

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9/1/2018	81219	85204	341	356
9/2/2018	0	0	6136	6398
9/3/2018	0	0	6192	6454
9/4/2018	0	0	78981	82599
9/5/2018	0	0	113506	118562
9/6/2018	0	0	88788	92309
9/7/2018	0	0	282	293
9/8/2018	0	0	0	0
9/9/2018	0	0	0	0
9/10/2018	0	0	0	0
9/11/2018	0	0	0	0
9/12/2018	0	0	0	0
9/13/2018	0	0	1415	1467
9/14/2018	0	0	44348	45942
9/15/2018	0	0	10033	10391
9/16/2018	0	0	75429	78134
9/17/2018	0	0	75065	77822
9/18/2018	0	0	88849	92106
9/19/2018	79503	84793	49	51
9/20/2018	140490	147730	0	0
9/21/2018	149007	156659	0	0
9/22/2018	135554	142294	0	0
9/23/2018	147811	155486	0	0
9/24/2018	108573	113701	0	0
9/25/2018	76036	79765	0	0
9/26/2018	100125	104991	0	0
9/27/2018	51408	54074	4232	4480
9/28/2018	0	0	8248	8684
9/29/2018	0	0	6854	7213
9/30/2018	75627	79695	1633	1719
10/1/2018	143594	151154	0	0
10/2/2018	142367	149326	0	0
10/3/2018	141065	147857	0	0
10/4/2018	29187	30562	65	68
10/5/2018	86813	90768	1	1
10/6/2018	31854	33212	1	1
10/7/2018	84116	87823	0	0
10/8/2018	47437	49621	3449	3577
10/9/2018	123554	128978	2	2
10/10/2018	106830	111464	1	1
10/11/2018	130342	135790	0	0

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DATE	Injection Net Mcf	Injection Net Dth	Withdrawal Net Mcf	Withdrawal Net Dth
10/12/2018	74147	77077	0	0
10/13/2018	67777	70486	0	0
10/14/2018	66919	69518	6	6
10/15/2018	8727	9064	72	74
10/16/2018	0	0	30012	31197
10/17/2018	0	0	116468	121198
10/18/2018	0	0	190211	198151
10/19/2018	0	0	145296	151502
10/20/2018	0	0	66675	69555
10/21/2018	0	0	130685	136415
10/22/2018	9314	9727	39260	40999
10/23/2018	64149	66737	15	16
10/24/2018	66894	69654	2	2
10/25/2018	55791	58392	203	214
10/26/2018	70303	73410	0	0
10/27/2018	91029	95102	3	3
10/28/2018	140516	146972	0	0
10/29/2018	142725	148641	0	0
10/30/2018	135821	141520	1	1
10/31/2018	94237	98357	150	157
TOTAL	6195836	6498058	7760786	8108263

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Exhibit 2
Reporting Period 5/1/18 to 10/31/18
El Paso Natural Gas Company, L.L.C.

Bottom Hole Pressure Survey
Survey Date - September 13, 2018

Well Name	Wellhead Shut-in Pressure (PSIA)	Survey Bottom Hole Pressure (PSIA)	Mid-Perf. Calc. Bottom Hole Pressure (PSIA)
WI #01	1,134		
WI #03	1,213	1,425	1,425
WI #04	1,342	1,587	1,587
WI #05	1,418	1,669	1,669
WI #07	1,134		
WI #10	1,141		
WI #11	1,265	1,492	1,492
WI #13	1,237	1,457	1,457
WI #14	1,266		
WI #16	1,140	1,346	1,346
WI #17	1,134		
WI #19	1,125	1,340	1,340
WI #20	1,137	1,342	1,342
WI #21	1,138		
WI #22	1,143		
WI #23	1,156		
WI #24	1,140		
WI #25	1,204	1,409	1,409
WI #26	1,219	1,434	1,434
OBS #1	1,464	1,669	1,669
OBS #4	1,884	2,214	2,214
Maximum=	1,884	Average (PSIA)=	1,532
Minimum=	1,125		
Median=	1,156		
Average=	1,240		

