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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

NMOCD Rec'd: 10/01/2020

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT AS-DRILLED PLAT

¹ API Number 30-015-45622	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code 325596	⁵ Property Name POKER LAKE UNIT 20 BD	⁶ Well Number 123H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC	⁹ Elevation 3,162'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	20	25 S	30 E		955	SOUTH	1,975	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	32	25 S	30 E		183	SOUTH	2,003	WEST	EDDY

¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.
NOTE: AS-DRILLED BOTTOM HOLE PLOTTED FROM DATA FURNISHED BY XTO ENERGY

¹⁶ GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 404,287.8 X= 632,558.2 LAT.= 32.110780°N LONG.= 103.905205°W K.O.P. NAD 27 NME Y= 403,232.8 X= 632,575.3 LAT.= 32.107879°N LONG.= 103.905163°W FIRST TAKE POINT NAD 27 NME Y= 403,226.8 X= 632,575.2 LAT.= 32.107863°N LONG.= 103.905164°W CORNER COORDINATES TABLE NAD 27 NME A - Y= 403,340.8 N, X= 633,259.4 E B - Y= 403,325.1 N, X= 631,923.1 E C - Y= 400,683.8 N, X= 633,276.4 E D - Y= 400,669.1 N, X= 631,940.0 E E - Y= 398,025.4 N, X= 633,293.5 E F - Y= 398,011.2 N, X= 631,958.0 E G - Y= 395,366.6 N, X= 633,290.8 E H - Y= 395,354.2 N, X= 631,958.0 E I - Y= 392,708.5 N, X= 633,288.1 E J - Y= 392,697.7 N, X= 631,958.4 E CORNER COORDINATES TABLE NAD 83 NME A - Y= 403,398.9 N, X= 674,444.4 E B - Y= 403,383.2 N, X= 673,108.1 E C - Y= 400,741.8 N, X= 674,461.5 E D - Y= 400,727.1 N, X= 673,125.0 E E - Y= 398,083.4 N, X= 674,478.7 E F - Y= 398,069.2 N, X= 673,143.1 E G - Y= 395,424.5 N, X= 674,476.0 E H - Y= 395,412.1 N, X= 673,143.2 E I - Y= 392,766.4 N, X= 674,473.4 E J - Y= 392,755.6 N, X= 673,143.7 E LAST TAKE POINT NAD 27 NME Y= 393,029.8 X= 632,629.8 LAT.= 32.079831°N LONG.= 103.905118°W BOTTOM HOLE LOCATION NAD 27 NME Y= 392,885.8 X= 632,631.1 LAT.= 32.079435°N LONG.= 103.905116°W GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 404,345.9 X= 673,743.1 LAT.= 32.110904°N LONG.= 103.905688°W K.O.P. NAD 83 NME Y= 404,138.6 X= 673,737.5 LAT.= 32.110334°N LONG.= 103.905709°W FIRST TAKE POINT NAD 83 NME Y= 403,284.9 X= 673,760.2 LAT.= 32.107987°N LONG.= 103.905647°W	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: Cheryl Rowell Date: 9/22/20 Printed Name: Cheryl Rowell E-mail Address: cheryl_rowell@xtoenergy.com ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: 6-22-2020 Signature and Seal of Professional Surveyor: [Signature] MARK DILLON HARP 23786 Certificate Number: 23786 RR 2017071049
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Intent ☐ As Drilled ☒

API # 30-015-45622								
Operator Name: XTO PERMIAN OPERATING, LLC			Property Name: POKER LAKE UNIT 20 BD			Well Number 123H		

Kick Off Point (KOP)

UL N	Section 20	Township 25S	Range 30E	Lot	Feet 745	From N/S S	Feet 1969	From E/W W	County EDDY
Latitude 32.110334					Longitude 103.905709				NAD 83

First Take Point (FTP)

UL C	Section 29	Township 25S	Range 30E	Lot	Feet 108	From N/S N	Feet 1988	From E/W W	County EDDY
Latitude 32.107987					Longitude 13.905647				NAD 83

Last Take Point (LTP)

UL N	Section 32	Township 25S	Range 30E	Lot	Feet 327	From N/S S	Feet 2002	From E/W W	County EDDY
Latitude 32.079956					Longitude 103.905600				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 300-15-45492								
Operator Name: XTO PERMIAN OPERATING, LLC			Property Name: POKER LAKE UNIT 20 BD			Well Number 701H		

KZ 06/29/2018



MWD SURVEY CERTIFICATION
Gordon Technologies, LLC

State Of Texas

County Of Midland

I, Marcus Mitcham certify that; I am employed by Gordon Technologies, LLC.;
that I did on the day(s) of October 14, 2019 through January 15, 2020 conduct
or supervise the taking of a MWD survey from a depth of 150 feet to a depth of
21,785 feet; that the data is true, correct, complete and within the limitations of the
tool set forth by Gordon Technologies, LLC.; that I am authorized and qualified to make this report;
that this survey was conducted at the request of XTO Permian Operating LLC for the
Poker Lake Unit 20 BD 123H Well, A.P.I. No. 30-015-45622 in
Purple-Sage Wolfcamp Gas Field and that I have reviewed this report and find that
it conforms to the principles and procedures set forth by Gordon Technologies, LLC.

Signature

MWD Coordinator

Title



Directional Survey Report

Company: **XTO Permian Operating LLC**
 Well: **Poker Lake Unit 20 BD 123H**
 County: **Eddy**
 State: **New Mexico**
 Field: **Purple-Sage Wolfcamp Gas**
 API: **30-015-45622**
 Rig: **Nabors X-34**
 Service Co: **Gordon Technologies, LLC**
 Job #: **GT190927**
 Survey Calc: **Minimum Curvature**

Well Surface Location
 Latitude: **32.1107**
 Longitude: **-103.9052**
 Reference: **NAD 1927**
 Y (Northing): **404287.80**
 X (Easting): **632558.20**
 Field Engr: **Justin Lewis**
Cory Black

Report Date: **Jan 16 2020**
 Time: **11:01**
 Mag Reference: **Grid North**
 Mag Correction: **6.60**
 Vert Sect. Azi: **179.75**
 Perm Datum: **Mean Sea Level**
 Depth Ref: **Rotary Table**
 RKB Height: **33**
 GL Elev: **3162**

Survey	MD	Inc	Azimuth	TVD	VS	Rectangular Offsets		Course		Closure			Source
						NS	EW	Length	DLS	Temp	Distance	Azimuth	
Tie In	0	0	0	0	0	0	0	0	0	0	0	0	
1	150.00	0.57	11.97	150.00	-0.73	0.73	0.15	150.00	0.38	70.57	0.75	11.97	MWD Run 1
2	245.00	0.53	3.34	244.99	-1.63	1.63	0.28	95.00	0.10	77.71	1.65	9.69	MWD Run 1
3	328.00	0.42	119.86	327.99	-1.86	1.86	0.56	83.00	0.98	84.86	1.95	16.86	MWD Run 1
4	422.00	0.72	125.58	421.99	-1.34	1.35	1.34	94.00	0.32	84.86	1.90	44.92	MWD Run 1
5	511.00	0.53	142.83	510.98	-0.69	0.69	2.05	89.00	0.30	92.00	2.16	71.27	MWD Run 1
6	599.00	1.41	159.84	598.97	0.66	-0.65	2.67	88.00	1.04	92.00	2.74	103.63	MWD Run 1
7	694.00	1.35	162.36	693.94	2.83	-2.81	3.41	95.00	0.09	92.00	4.42	129.51	MWD Run 1
8	770.00	1.81	158.06	769.91	4.79	-4.78	4.13	76.00	0.62	92.00	6.31	139.17	MWD Run 1
9	959.00	0.95	148.03	958.86	8.90	-8.87	6.07	189.00	0.47	84.86	10.75	145.62	MWD Run 2
10	1053.00	1.25	356.89	1052.85	8.54	-8.51	6.43	94.00	2.27	92.00	10.67	142.93	MWD Run 2
11	1147.00	3.85	348.50	1146.75	4.42	-4.39	5.74	94.00	2.79	99.14	7.23	127.42	MWD Run 2
12	1241.00	4.94	347.76	1240.47	-2.63	2.65	4.26	94.00	1.16	92.00	5.02	58.07	MWD Run 2
13	1336.00	3.23	347.32	1335.22	-9.25	9.26	2.80	95.00	1.80	106.29	9.68	16.84	MWD Run 2
14	1430.00	2.59	348.86	1429.10	-13.92	13.93	1.81	94.00	0.69	113.43	14.05	7.41	MWD Run 2
15	1525.00	2.19	348.90	1524.02	-17.81	17.82	1.05	95.00	0.42	113.43	17.85	3.36	MWD Run 2
16	1619.00	1.68	347.91	1617.97	-20.92	20.93	0.41	94.00	0.54	106.29	20.93	1.13	MWD Run 2
17	1714.00	1.71	350.77	1712.93	-23.69	23.69	-0.11	95.00	0.09	120.57	23.69	359.74	MWD Run 2
18	1808.00	2.13	355.06	1806.87	-26.81	26.81	-0.48	94.00	0.47	120.57	26.82	358.97	MWD Run 2
19	1902.00	1.73	350.34	1900.82	-29.95	29.95	-0.87	94.00	0.46	127.71	29.96	358.34	MWD Run 2
20	1997.00	1.39	351.41	1995.78	-32.51	32.50	-1.28	95.00	0.36	127.71	32.53	357.74	MWD Run 2
21	2091.00	0.90	350.30	2089.76	-34.37	34.36	-1.58	94.00	0.52	127.71	34.40	357.37	MWD Run 2
22	2185.00	0.38	338.34	2183.76	-35.38	35.38	-1.82	94.00	0.57	134.86	35.42	357.06	MWD Run 2
23	2280.00	0.39	343.06	2278.76	-35.99	35.98	-2.03	95.00	0.03	127.71	36.04	356.77	MWD Run 2
24	2375.00	0.34	352.00	2373.75	-36.58	36.57	-2.16	95.00	0.08	134.86	36.63	356.62	MWD Run 2
25	2470.00	0.32	346.46	2468.75	-37.11	37.10	-2.26	95.00	0.04	134.86	37.17	356.51	MWD Run 2
26	2564.00	0.43	325.86	2562.75	-37.66	37.65	-2.52	94.00	0.18	134.86	37.74	356.17	MWD Run 2
27	2659.00	0.51	321.25	2657.75	-38.29	38.28	-2.99	95.00	0.09	142.00	38.39	355.54	MWD Run 2
28	2753.00	0.71	302.24	2751.74	-38.93	38.91	-3.74	94.00	0.30	142.00	39.09	354.51	MWD Run 2
29	2847.00	0.20	318.92	2845.74	-39.37	39.35	-4.34	94.00	0.55	134.86	39.59	353.70	MWD Run 2
30	2941.00	0.95	105.58	2939.73	-39.28	39.26	-3.70	94.00	1.19	134.86	39.44	354.62	MWD Run 2
31	3035.00	1.40	110.41	3033.71	-38.66	38.65	-1.87	94.00	0.49	134.86	38.70	357.23	MWD Run 2
32	3129.00	1.28	112.70	3127.69	-37.85	37.85	0.17	94.00	0.14	134.86	37.85	0.26	MWD Run 2
33	3223.00	1.10	112.04	3221.67	-37.09	37.10	1.98	94.00	0.19	134.86	37.16	3.05	MWD Run 2
34	3318.00	1.07	126.70	3316.65	-36.21	36.23	3.53	95.00	0.29	134.86	36.40	5.57	MWD Run 2
35	3412.00	1.48	127.42	3410.63	-34.95	34.97	5.20	94.00	0.44	142.00	35.35	8.46	MWD Run 2
36	3469.00	1.61	127.45	3467.61	-34.01	34.03	6.42	57.00	0.23	134.86	34.63	10.69	MWD Run 2
37	3610.00	1.10	137.50	3608.57	-31.79	31.83	8.91	141.00	0.40	99.14	33.05	15.64	MWD Run 3
38	3705.00	1.10	209.23	3703.55	-30.32	30.36	9.08	95.00	1.36	106.29	31.69	16.65	MWD Run 3
39	3799.00	2.85	210.91	3797.50	-27.54	27.57	7.44	94.00	1.86	113.43	28.56	15.10	MWD Run 3
40	3893.00	4.38	192.33	3891.31	-22.03	22.06	5.47	94.00	2.03	113.43	22.73	13.93	MWD Run 3
41	3988.00	5.07	186.68	3985.99	-14.33	14.35	4.21	95.00	0.88	120.57	14.95	16.35	MWD Run 3
42	4082.00	5.00	189.03	4079.62	-6.16	6.17	3.08	94.00	0.23	120.57	6.90	26.53	MWD Run 3
43	4177.00	4.75	189.71	4174.28	1.80	-1.79	1.77	95.00	0.27	120.57	2.52	135.35	MWD Run 3
44	4271.00	5.06	182.30	4267.94	9.77	-9.77	0.95	94.00	0.75	120.57	9.82	174.46	MWD Run 3
45	4365.00	5.64	177.48	4361.53	18.53	-18.53	0.98	94.00	0.78	120.57	18.55	176.96	MWD Run 3
46	4460.00	5.50	177.57	4456.08	27.74	-27.74	1.38	95.00	0.15	120.57	27.77	177.15	MWD Run 3
47	4554.00	5.19	180.97	4549.67	36.50	-36.49	1.50	94.00	0.47	120.57	36.52	177.64	MWD Run 3
48	4649.00	5.06	178.83	4644.29	44.98	-44.97	1.51	95.00	0.24	120.57	45.00	178.07	MWD Run 3

49	4743.00	4.75	181.01	4737.95	53.02	-53.01	1.53	94.00	0.38	120.57	53.03	178.35	MWD Run 3
50	4838.00	4.95	180.83	4832.61	61.05	-61.04	1.40	95.00	0.21	120.57	61.06	178.69	MWD Run 3
51	4932.00	4.56	181.13	4926.28	68.84	-68.83	1.27	94.00	0.42	120.57	68.84	178.94	MWD Run 3
52	5026.00	4.32	179.93	5020.00	76.11	-76.11	1.20	94.00	0.27	120.57	76.12	179.10	MWD Run 3
53	5121.00	4.36	179.67	5114.73	83.30	-83.30	1.22	95.00	0.05	120.57	83.31	179.16	MWD Run 3
54	5216.00	3.58	172.74	5209.50	89.86	-89.85	1.62	95.00	0.96	120.57	89.87	178.97	MWD Run 3
55	5311.00	3.55	172.41	5304.31	95.72	-95.71	2.38	95.00	0.04	120.57	95.74	178.57	MWD Run 3
56	5406.00	2.65	171.87	5399.17	100.81	-100.80	3.08	95.00	0.95	120.57	100.85	178.25	MWD Run 3
57	5501.00	1.61	174.23	5494.11	104.32	-104.30	3.53	95.00	1.10	120.57	104.36	178.06	MWD Run 3
58	5596.00	1.07	198.84	5589.08	106.48	-106.47	3.37	95.00	0.82	120.57	106.52	178.18	MWD Run 3
59	5690.00	1.16	212.98	5683.06	108.11	-108.10	2.57	94.00	0.31	99.14	108.13	178.64	MWD Run 4
60	5785.00	0.23	115.72	5778.06	108.99	-108.99	2.22	95.00	1.27	113.43	109.01	178.83	MWD Run 4
61	5880.00	0.73	40.99	5873.06	108.62	-108.61	2.79	95.00	0.74	113.43	108.65	178.53	MWD Run 4
62	5974.00	0.24	7.62	5967.05	107.98	-107.97	3.21	94.00	0.58	113.43	108.01	178.30	MWD Run 4
63	6069.00	0.34	24.30	6062.05	107.52	-107.51	3.35	95.00	0.14	120.57	107.56	178.21	MWD Run 4
64	6163.00	0.03	337.65	6156.05	107.25	-107.23	3.46	94.00	0.34	120.57	107.29	178.15	MWD Run 4
65	6257.00	0.25	334.42	6250.05	107.04	-107.03	3.36	94.00	0.23	120.57	107.08	178.20	MWD Run 4
66	6352.00	0.70	6.11	6345.05	106.28	-106.26	3.33	95.00	0.53	127.71	106.31	178.20	MWD Run 4
67	6446.00	0.35	5.38	6439.04	105.42	-105.41	3.42	94.00	0.37	127.71	105.46	178.14	MWD Run 4
68	6540.00	0.28	343.03	6533.04	104.91	-104.90	3.38	94.00	0.15	127.71	104.95	178.15	MWD Run 4
69	6635.00	0.37	53.13	6628.04	104.51	-104.49	3.56	95.00	0.40	127.71	104.55	178.05	MWD Run 4
70	6730.00	0.37	84.88	6723.04	104.30	-104.28	4.11	95.00	0.21	127.71	104.36	177.74	MWD Run 4
71	6824.00	0.48	67.90	6817.03	104.13	-104.11	4.78	94.00	0.18	134.86	104.22	177.37	MWD Run 4
72	6918.00	0.21	42.10	6911.03	103.85	-103.83	5.26	94.00	0.32	134.86	103.96	177.10	MWD Run 4
73	7013.00	0.48	96.74	7006.03	103.77	-103.75	5.77	95.00	0.42	134.86	103.91	176.82	MWD Run 4
74	7107.00	0.24	81.67	7100.03	103.79	-103.77	6.35	94.00	0.27	134.86	103.96	176.50	MWD Run 4
75	7202.00	0.71	82.89	7195.03	103.70	-103.66	7.13	95.00	0.49	134.86	103.91	176.06	MWD Run 4
76	7296.00	0.45	66.96	7289.02	103.48	-103.45	8.05	94.00	0.32	134.86	103.76	175.55	MWD Run 4
77	7390.00	0.68	97.23	7383.02	103.41	-103.37	8.94	94.00	0.39	142.00	103.76	175.05	MWD Run 4
78	7485.00	0.43	68.65	7478.01	103.36	-103.32	9.84	95.00	0.38	134.86	103.78	174.56	MWD Run 4
79	7579.00	0.88	101.35	7572.01	103.38	-103.33	10.87	94.00	0.60	142.00	103.90	173.99	MWD Run 4
80	7675.00	1.28	109.57	7667.99	103.89	-103.83	12.61	96.00	0.45	142.00	104.60	173.08	MWD Run 4
81	7770.00	1.35	116.56	7762.96	104.75	-104.69	14.61	95.00	0.18	142.00	105.70	172.06	MWD Run 4
82	7864.00	1.44	108.72	7856.94	105.64	-105.56	16.72	94.00	0.22	142.00	106.88	171.00	MWD Run 4
83	7959.00	1.09	111.18	7951.91	106.35	-106.27	18.69	95.00	0.37	142.00	107.90	170.03	MWD Run 4
84	8053.00	1.04	107.98	8045.90	106.95	-106.86	20.33	94.00	0.08	149.14	108.78	169.23	MWD Run 4
85	8148.00	0.67	126.11	8140.89	107.55	-107.45	21.60	95.00	0.48	149.14	109.60	168.63	MWD Run 4
86	8242.00	0.67	156.20	8234.88	108.38	-108.28	22.27	94.00	0.37	149.14	110.55	168.38	MWD Run 4
87	8337.00	1.24	187.04	8329.87	109.90	-109.81	22.37	95.00	0.79	149.14	112.06	168.49	MWD Run 4
88	8431.00	1.15	179.81	8423.85	111.86	-111.76	22.24	94.00	0.19	149.14	113.95	168.74	MWD Run 4
89	8525.00	1.17	182.10	8517.83	113.76	-113.66	22.21	94.00	0.05	149.14	115.81	168.94	MWD Run 4
90	8619.00	1.12	196.59	8611.81	115.60	-115.50	21.92	94.00	0.31	149.14	117.56	169.26	MWD Run 4
91	8713.00	1.09	207.55	8705.79	117.27	-117.18	21.24	94.00	0.23	149.14	119.08	169.73	MWD Run 4
92	8807.00	1.32	207.28	8799.77	119.02	-118.93	20.33	94.00	0.24	149.14	120.66	170.30	MWD Run 4
93	8902.00	1.54	212.31	8894.74	121.06	-120.98	19.15	95.00	0.27	149.14	122.49	171.01	MWD Run 4
94	8997.00	2.09	222.39	8989.69	123.41	-123.34	17.30	95.00	0.67	149.14	124.55	172.02	MWD Run 4
95	9092.00	2.03	218.43	9084.63	126.00	-125.94	15.08	95.00	0.16	149.14	126.84	173.17	MWD Run 4
96	9186.00	2.32	214.08	9178.56	128.87	-128.82	12.98	94.00	0.35	156.29	129.47	174.25	MWD Run 4
97	9280.00	2.80	210.97	9272.47	132.41	-132.36	10.73	94.00	0.53	156.29	132.80	175.36	MWD Run 4
98	9375.00	2.86	213.59	9367.35	136.36	-136.33	8.23	95.00	0.15	156.29	136.57	176.55	MWD Run 4
99	9469.00	2.81	212.65	9461.24	140.24	-140.22	5.69	94.00	0.07	156.29	140.33	177.68	MWD Run 4
100	9507.00	2.79	211.29	9499.19	141.81	-141.79	4.70	38.00	0.18	156.29	141.87	178.10	MWD Run 4
101	9582.00	2.74	210.29	9574.11	144.91	-144.90	2.85	75.00	0.09	127.71	144.93	178.87	MWD Run 5
102	9676.00	1.29	207.94	9668.05	147.78	-147.78	1.22	94.00	1.54	134.86	147.78	179.53	MWD Run 5
103	9771.00	0.73	227.30	9763.03	149.13	-149.13	0.28	95.00	0.68	149.14	149.13	179.89	MWD Run 5
104	9864.00	1.13	196.33	9856.02	150.41	-150.41	-0.42	93.00	0.68	156.29	150.41	180.16	MWD Run 5
105	9959.00	1.12	216.06	9951.00	152.06	-152.06	-1.23	95.00	0.41	163.43	152.07	180.46	MWD Run 5
106	10054.00	1.22	224.56	10045.98	153.52	-153.53	-2.48	95.00	0.21	163.43	153.55	180.93	MWD Run 5
107	10114.00	1.43	222.61	10105.97	154.52	-154.54	-3.44	60.00	0.36	170.57	154.58	181.27	MWD Run 5
108	10145.00	1.36	226.07	10136.96	155.06	-155.08	-3.96	31.00	0.35	142.00	155.13	181.46	MWD Run 6
109	10192.00	3.70	179.77	10183.91	156.96	-156.98	-4.36	47.00	6.23	149.14	157.04	181.59	MWD Run 6
110	10240.00	9.37	171.69	10231.58	162.39	-162.40	-3.79	48.00	11.94	156.29	162.45	181.34	MWD Run 6
111	10287.00	13.48	175.69	10277.64	171.64	-171.66	-2.82	47.00	8.90	163.43	171.68	180.94	MWD Run 6
112	10335.00	16.12	186.64	10324.05	183.84	-183.86	-3.17	48.00	7.99	163.43	183.89	180.99	MWD Run 6
113	10382.00	20.82	186.83	10368.62	198.62	-198.64	-4.92	47.00	10.00	170.57	198.70	181.42	MWD Run 6
114	10429.00	23.63	183.01	10412.13	216.32	-216.35	-6.41	47.00	6.72	170.57	216.44	181.70	MWD Run 6
115	10476.00	24.91	181.72	10454.97	235.61	-235.65	-7.20	47.00	2.95	177.71	235.76	181.75	MWD Run 6
116	10523.00	26.59	181.23	10497.30	256.02	-256.06	-7.72	47.00	3.60	156.29	256.17	181.73	MWD Run 6

117	10570.00	31.23	180.20	10538.43	278.73	-278.77	-7.99	47.00	9.93	134.86	278.89	181.64	MWD Run 8
118	10617.00	37.81	178.95	10577.14	305.35	-305.39	-7.77	47.00	14.08	142.00	305.49	181.46	MWD Run 8
119	10665.00	44.90	179.61	10613.15	337.05	-337.08	-7.39	48.00	14.80	149.14	337.16	181.26	MWD Run 8
120	10712.00	50.22	179.96	10644.85	371.72	-371.75	-7.26	47.00	11.33	149.14	371.82	181.12	MWD Run 8
121	10729.00	52.27	179.88	10655.49	384.97	-385.01	-7.24	17.00	12.06	142.00	385.08	181.08	MWD Run 9
122	10776.00	56.89	180.58	10682.72	423.26	-423.30	-7.40	47.00	9.90	156.29	423.36	181.00	MWD Run 9
123	10823.00	60.47	179.71	10707.15	463.41	-463.44	-7.50	47.00	7.78	163.43	463.50	180.93	MWD Run 9
124	10870.00	64.60	177.92	10728.83	505.09	-505.13	-6.62	47.00	9.41	163.43	505.17	180.75	MWD Run 9
125	10918.00	69.69	176.46	10747.46	549.26	-549.29	-4.45	48.00	10.97	170.57	549.31	180.46	MWD Run 9
126	10965.00	72.51	176.21	10762.69	593.65	-593.66	-1.60	47.00	6.02	170.57	593.66	180.15	MWD Run 9
127	11013.00	75.75	176.35	10775.81	639.73	-639.73	1.39	48.00	6.76	170.57	639.73	179.88	MWD Run 9
128	11060.00	77.10	176.40	10786.84	685.33	-685.32	4.28	47.00	2.87	170.57	685.33	179.64	MWD Run 9
129	11107.00	79.45	177.20	10796.39	731.29	-731.26	6.85	47.00	5.27	177.71	731.30	179.46	MWD Run 9
130	11154.00	82.29	177.00	10803.85	777.64	-777.60	9.20	47.00	6.06	177.71	777.66	179.32	MWD Run 9
131	11201.00	85.79	176.03	10808.73	824.30	-824.26	12.04	47.00	7.72	177.71	824.34	179.16	MWD Run 9
132	11248.00	89.33	176.38	10810.73	871.16	-871.10	15.15	47.00	7.57	177.71	871.23	179.00	MWD Run 9
133	11296.00	92.36	178.29	10810.02	919.10	-919.04	17.38	48.00	7.46	177.71	919.20	178.92	MWD Run 9
134	11390.00	90.81	181.18	10807.42	1013.06	-1012.99	17.81	94.00	3.49	177.71	1013.14	178.99	MWD Run 9
135	11485.00	89.86	180.81	10806.87	1108.03	-1107.97	16.16	95.00	1.07	184.86	1108.09	179.16	MWD Run 9
136	11579.00	89.61	180.91	10807.30	1202.01	-1201.96	14.75	94.00	0.29	184.86	1202.05	179.30	MWD Run 9
137	11674.00	89.13	180.84	10808.34	1296.99	-1296.94	13.30	95.00	0.51	192.00	1297.01	179.41	MWD Run 9
138	11768.00	88.46	180.84	10810.32	1390.95	-1390.91	11.92	94.00	0.71	192.00	1390.96	179.51	MWD Run 9
139	11862.00	90.14	179.01	10811.47	1484.93	-1484.90	12.05	94.00	2.64	192.00	1484.94	179.54	MWD Run 9
140	11955.00	89.38	178.65	10811.86	1577.92	-1577.87	13.94	93.00	0.90	192.00	1577.94	179.49	MWD Run 9
141	12049.00	87.87	178.91	10814.11	1671.88	-1671.82	15.94	94.00	1.63	192.00	1671.90	179.45	MWD Run 9
142	12144.00	90.25	178.48	10815.67	1766.84	-1766.78	18.11	95.00	2.55	192.00	1766.87	179.41	MWD Run 9
143	12239.00	89.66	177.02	10815.75	1861.78	-1861.70	21.84	95.00	1.66	192.00	1861.83	179.33	MWD Run 9
144	12334.00	91.07	178.03	10815.14	1956.70	-1956.61	25.94	95.00	1.83	192.00	1956.78	179.24	MWD Run 9
145	12428.00	91.63	180.06	10812.93	2050.66	-2050.56	27.51	94.00	2.24	192.00	2050.75	179.23	MWD Run 9
146	12523.00	91.40	182.10	10810.42	2145.60	-2145.51	25.72	95.00	2.16	192.00	2145.66	179.31	MWD Run 9
147	12618.00	90.50	182.30	10808.84	2240.50	-2240.43	22.07	95.00	0.97	199.14	2240.53	179.44	MWD Run 9
148	12713.00	90.17	182.62	10808.29	2335.39	-2335.34	17.99	95.00	0.48	192.00	2335.40	179.56	MWD Run 9
149	12808.00	91.12	182.14	10807.22	2430.28	-2430.25	14.05	95.00	1.12	192.00	2430.29	179.67	MWD Run 9
150	12902.00	91.91	183.44	10804.73	2524.12	-2524.10	9.47	94.00	1.62	192.00	2524.12	179.78	MWD Run 9
151	12996.00	88.34	180.94	10804.53	2618.01	-2618.01	5.88	94.00	4.64	192.00	2618.01	179.87	MWD Run 9
152	13091.00	86.83	179.87	10808.53	2712.91	-2712.92	5.21	95.00	1.95	192.00	2712.92	179.89	MWD Run 9
153	13185.00	89.80	179.81	10811.29	2806.86	-2806.87	5.47	94.00	3.16	192.00	2806.87	179.89	MWD Run 9
154	13280.00	88.20	178.31	10812.95	2901.84	-2901.83	7.03	95.00	2.31	199.14	2901.84	179.86	MWD Run 9
155	13375.00	89.97	180.80	10814.47	2996.81	-2996.81	7.77	95.00	3.22	199.14	2996.82	179.85	MWD Run 9
156	13469.00	93.25	180.68	10811.83	3090.75	-3090.75	6.56	94.00	3.49	199.14	3090.76	179.88	MWD Run 9
157	13563.00	90.81	178.67	10808.50	3184.68	-3184.68	7.09	94.00	3.36	199.14	3184.68	179.87	MWD Run 9
158	13658.00	89.33	177.51	10808.38	3279.63	-3279.62	10.26	95.00	1.98	199.14	3279.63	179.82	MWD Run 9
159	13752.00	87.62	175.02	10810.88	3373.41	-3373.38	16.38	94.00	3.21	199.14	3373.41	179.72	MWD Run 9
160	13846.00	89.94	178.63	10812.88	3467.25	-3467.19	21.58	94.00	4.56	206.29	3467.25	179.64	MWD Run 9
161	13941.00	91.29	180.69	10811.87	3562.24	-3562.17	22.14	95.00	2.59	206.29	3562.24	179.64	MWD Run 9
162	14035.00	90.00	181.12	10810.81	3656.21	-3656.15	20.66	94.00	1.45	206.29	3656.21	179.68	MWD Run 9
163	14129.00	90.39	179.97	10810.49	3750.20	-3750.15	19.76	94.00	1.29	206.29	3750.20	179.70	MWD Run 9
164	14223.00	88.60	178.19	10811.32	3844.18	-3844.12	21.27	94.00	2.69	206.29	3844.18	179.68	MWD Run 9
165	14242.00	88.71	178.31	10811.76	3863.17	-3863.11	21.85	19.00	0.86	177.71	3863.17	179.68	MWD Run 10
166	14337.00	89.55	179.05	10813.20	3958.14	-3958.07	24.04	95.00	1.18	0.00	3958.14	179.65	MWD Run 10
167	14431.00	90.20	179.34	10813.41	4052.13	-4052.06	25.36	94.00	0.76	192.00	4052.14	179.64	MWD Run 10
168	14525.00	88.99	178.15	10814.07	4146.11	-4146.03	27.42	94.00	1.81	192.00	4146.12	179.62	MWD Run 10
169	14620.00	91.34	178.27	10813.80	4241.07	-4240.98	30.39	95.00	2.48	199.14	4241.09	179.59	MWD Run 10
170	14715.00	92.24	178.96	10810.83	4336.01	-4335.90	32.68	95.00	1.19	199.14	4336.03	179.57	MWD Run 10
171	14809.00	89.52	177.73	10809.39	4429.96	-4429.84	35.40	94.00	3.18	199.14	4429.98	179.54	MWD Run 10
172	14903.00	90.95	177.41	10809.00	4523.88	-4523.76	39.38	94.00	1.56	199.14	4523.93	179.50	MWD Run 10
173	14997.00	92.61	178.95	10806.08	4617.80	-4617.66	42.37	94.00	2.41	184.86	4617.85	179.47	MWD Run 11
174	15092.00	90.90	181.09	10803.17	4712.74	-4712.60	42.33	95.00	2.88	192.00	4712.79	179.49	MWD Run 11
175	15187.00	90.62	180.95	10801.91	4807.71	-4807.58	40.64	95.00	0.33	199.14	4807.75	179.52	MWD Run 11
176	15281.00	91.18	181.09	10800.44	4901.68	-4901.55	38.97	94.00	0.61	199.14	4901.71	179.54	MWD Run 11
177	15375.00	89.64	179.41	10799.76	4995.66	-4995.54	38.56	94.00	2.42	206.29	4995.69	179.56	MWD Run 11
178	15468.00	91.76	180.38	10798.63	5088.65	-5088.53	38.73	93.00	2.51	199.14	5088.68	179.56	MWD Run 11
179	15562.00	91.54	179.08	10795.92	5182.61	-5182.49	39.17	94.00	1.40	206.29	5182.64	179.57	MWD Run 11
180	15656.00	91.18	181.13	10793.69	5276.58	-5276.46	39.00	94.00	2.21	206.29	5276.60	179.58	MWD Run 11
181	15750.00	89.41	180.21	10793.21	5370.56	-5370.44	37.90	94.00	2.12	206.29	5370.58	179.60	MWD Run 11
182	15846.00	89.72	179.58	10793.94	5466.55	-5466.44	38.08	96.00	0.73	206.29	5466.57	179.60	MWD Run 11
183	15940.00	89.97	182.28	10794.19	5560.52	-5560.42	36.55	94.00	2.88	206.29	5560.54	179.62	MWD Run 11
184	16035.00	89.64	181.29	10794.51	5655.46	-5655.37	33.59	95.00	1.10	213.43	5655.47	179.66	MWD Run 11

185	16129.00	88.80	179.90	10795.79	5749.44	-5749.35	32.62	94.00	1.73	213.43	5749.45	179.67	MWD Run 11
186	16224.00	89.05	181.01	10797.57	5844.42	-5844.33	31.86	95.00	1.20	206.29	5844.42	179.69	MWD Run 11
187	16318.00	90.14	181.72	10798.24	5938.37	-5938.30	29.62	94.00	1.38	213.43	5938.37	179.71	MWD Run 11
188	16412.00	88.77	179.95	10799.13	6032.35	-6032.28	28.25	94.00	2.38	206.29	6032.35	179.73	MWD Run 11
189	16507.00	92.10	181.19	10798.41	6127.32	-6127.26	27.31	95.00	3.74	206.29	6127.32	179.74	MWD Run 11
190	16601.00	91.62	180.96	10795.36	6221.24	-6221.19	25.54	94.00	0.57	213.43	6221.24	179.76	MWD Run 11
191	16696.00	88.24	178.63	10795.48	6316.22	-6316.17	25.88	95.00	4.32	213.43	6316.22	179.77	MWD Run 11
192	16790.00	90.76	180.19	10796.30	6410.21	-6410.15	26.85	94.00	3.15	213.43	6410.21	179.76	MWD Run 11
193	16884.00	92.83	180.54	10793.35	6504.15	-6504.10	26.25	94.00	2.23	213.43	6504.15	179.77	MWD Run 11
194	16978.00	92.21	180.06	10789.22	6598.05	-6598.01	25.76	94.00	0.83	213.43	6598.06	179.78	MWD Run 11
195	17073.00	91.29	180.34	10786.32	6693.01	-6692.96	25.43	95.00	1.01	213.43	6693.01	179.78	MWD Run 11
196	17167.00	92.52	181.27	10783.19	6786.94	-6786.90	24.11	94.00	1.64	213.43	6786.94	179.80	MWD Run 11
197	17262.00	90.62	181.11	10780.59	6881.87	-6881.83	22.14	95.00	2.01	213.43	6881.87	179.82	MWD Run 11
198	17357.00	91.32	181.24	10778.98	6976.82	-6976.80	20.19	95.00	0.75	213.43	6976.83	179.83	MWD Run 11
199	17451.00	90.98	179.86	10777.10	7070.79	-7070.77	19.29	94.00	1.51	184.86	7070.80	179.84	MWD Run 12
200	17546.00	90.28	180.11	10776.05	7165.78	-7165.77	19.31	95.00	0.78	199.14	7165.79	179.85	MWD Run 12
201	17639.00	90.59	180.21	10775.35	7258.78	-7258.77	19.05	93.00	0.35	199.14	7258.79	179.85	MWD Run 12
202	17734.00	89.41	179.06	10775.35	7353.78	-7353.76	19.66	95.00	1.73	199.14	7353.79	179.85	MWD Run 12
203	17829.00	89.27	179.82	10776.44	7448.77	-7448.75	20.59	95.00	0.81	206.29	7448.78	179.84	MWD Run 12
204	17924.00	87.25	178.60	10779.33	7543.71	-7543.69	21.90	95.00	2.48	199.14	7543.72	179.83	MWD Run 12
205	18018.00	90.08	179.60	10781.52	7637.67	-7637.64	23.37	94.00	3.19	206.29	7637.68	179.82	MWD Run 12
206	18112.00	89.02	179.31	10782.25	7731.66	-7731.63	24.27	94.00	1.17	206.29	7731.67	179.82	MWD Run 12
207	18206.00	89.97	178.59	10783.08	7825.65	-7825.61	25.99	94.00	1.27	206.29	7825.65	179.81	MWD Run 12
208	18301.00	86.66	176.58	10785.88	7920.52	-7920.47	29.99	95.00	4.08	206.29	7920.52	179.78	MWD Run 12
209	18395.00	87.59	179.09	10790.59	8014.34	-8014.27	33.53	94.00	2.84	206.29	8014.34	179.76	MWD Run 12
210	18489.00	89.10	179.41	10793.31	8108.30	-8108.22	34.76	94.00	1.64	206.29	8108.30	179.75	MWD Run 12
211	18583.00	90.34	179.46	10793.76	8202.29	-8202.22	35.69	94.00	1.32	206.29	8202.29	179.75	MWD Run 12
212	18677.00	91.15	179.62	10792.54	8296.28	-8296.20	36.44	94.00	0.88	206.29	8296.28	179.75	MWD Run 12
213	18772.00	89.41	177.62	10792.08	8391.26	-8391.17	38.73	95.00	2.79	206.29	8391.26	179.74	MWD Run 12
214	18866.00	90.08	177.32	10792.50	8485.18	-8485.07	42.88	94.00	0.78	206.29	8485.18	179.71	MWD Run 12
215	18960.00	92.38	178.27	10790.48	8579.10	-8578.98	46.50	94.00	2.65	206.29	8579.10	179.69	MWD Run 12
216	19055.00	92.35	180.44	10786.56	8674.01	-8673.88	47.57	95.00	2.28	206.29	8674.01	179.69	MWD Run 12
217	19149.00	91.93	180.54	10783.05	8767.93	-8767.81	46.76	94.00	0.46	213.43	8767.94	179.69	MWD Run 12
218	19244.00	90.39	180.72	10781.12	8862.90	-8862.79	45.72	95.00	1.63	206.29	8862.90	179.70	MWD Run 12
219	19337.00	92.10	180.89	10779.10	8955.86	-8955.75	44.41	93.00	1.85	206.29	8955.86	179.72	MWD Run 12
220	19430.00	91.12	180.78	10776.49	9048.81	-9048.70	43.06	93.00	1.06	213.43	9048.81	179.73	MWD Run 12
221	19524.00	87.17	178.92	10777.89	9142.77	-9142.67	43.30	94.00	4.64	206.29	9142.77	179.73	MWD Run 12
222	19619.00	90.34	178.94	10779.96	9237.73	-9237.62	45.08	95.00	3.34	206.29	9237.73	179.72	MWD Run 12
223	19714.00	92.77	179.15	10777.38	9332.68	-9332.56	46.66	95.00	2.57	213.43	9332.68	179.71	MWD Run 12
224	19808.00	93.42	179.69	10772.30	9426.54	-9426.42	47.61	94.00	0.90	213.43	9426.54	179.71	MWD Run 12
225	19903.00	93.19	179.56	10766.83	9521.38	-9521.26	48.23	95.00	0.28	213.43	9521.38	179.71	MWD Run 12
226	19997.00	91.77	180.08	10762.76	9615.29	-9615.17	48.52	94.00	1.61	213.43	9615.29	179.71	MWD Run 12
227	20091.00	90.20	178.90	10761.14	9709.27	-9709.15	49.36	94.00	2.09	213.43	9709.27	179.71	MWD Run 12
228	20185.00	90.31	178.88	10760.73	9803.26	-9803.13	51.18	94.00	0.12	213.43	9803.26	179.70	MWD Run 12
229	20279.00	89.24	179.70	10761.10	9897.25	-9897.12	52.35	94.00	1.43	213.43	9897.26	179.70	MWD Run 12
230	20374.00	88.71	180.09	10762.79	9992.24	-9992.10	52.52	95.00	0.69	213.43	9992.24	179.70	MWD Run 12
231	20469.00	89.66	180.69	10764.15	10087.22	-10087.09	51.87	95.00	1.18	213.43	10087.22	179.71	MWD Run 12
232	20563.00	89.86	180.58	10764.54	10181.21	-10181.08	50.83	94.00	0.24	213.43	10181.21	179.71	MWD Run 12
233	20658.00	88.94	181.49	10765.53	10276.18	-10276.06	49.12	95.00	1.36	199.14	10276.18	179.73	MWD Run 13
234	20752.00	91.51	183.24	10765.17	10370.07	-10369.97	45.24	94.00	3.31	199.14	10370.07	179.75	MWD Run 13
235	20847.00	90.20	180.91	10763.75	10464.97	-10464.89	41.80	95.00	2.81	206.29	10464.97	179.77	MWD Run 13
236	20941.00	90.48	179.33	10763.19	10558.96	-10558.88	41.60	94.00	1.71	206.29	10558.96	179.77	MWD Run 13
237	21036.00	88.63	178.14	10763.93	10653.94	-10653.85	43.70	95.00	2.32	206.29	10653.94	179.76	MWD Run 13
238	21131.00	89.72	179.70	10765.30	10748.91	-10748.82	45.49	95.00	2.00	206.29	10748.91	179.76	MWD Run 13
239	21225.00	90.92	178.20	10764.77	10842.90	-10842.80	47.21	94.00	2.04	206.29	10842.90	179.75	MWD Run 13
240	21319.00	90.06	175.35	10763.97	10936.76	-10936.63	52.50	94.00	3.17	206.29	10936.76	179.72	MWD Run 13
241	21413.00	89.89	175.41	10764.01	11030.49	-11030.33	60.07	94.00	0.19	206.29	11030.49	179.69	MWD Run 13
242	21508.00	88.52	176.56	10765.33	11125.27	-11125.08	66.72	95.00	1.88	206.29	11125.28	179.66	MWD Run 13
243	21602.00	89.75	178.31	10766.74	11219.17	-11218.97	70.93	94.00	2.28	213.43	11219.20	179.64	MWD Run 13
244	21696.00	90.56	179.80	10766.49	11313.16	-11312.96	72.48	94.00	1.80	213.43	11313.19	179.63	MWD Run 13
245	21728.00	90.06	179.75	10766.32	11345.16	-11344.95	72.60	32.00	1.57	213.43	11345.19	179.63	MWD Run 13
PTB	21785.00	90.06	179.75	10766.26	11402.16	-11401.95	72.85	57.00	0.00	0.00	11402.19	179.63	MWD Run 13