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District II
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Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☒ AMENDED REPORT

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015- 44841	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp
⁴ Property Code 321151	⁵ Property Name MUY WAYNO 18 FEDERAL	
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	⁶ Well Number 122H ⁹ Elevation 3,166'

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
3	18	25 S	30 E		2,310	SOUTH	1,115	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
1	7	25 S	30 E		194	NORTH	1,170	WEST	EDDY
¹² Dedicated Acres 483.44		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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.

GEODETIC COORDINATES

NAD 27 NME
SURFACE LOCATION
Y= 410,909.9
X= 626,306.1
LAT.= 32.129050°N
LONG.= 103.925316°W

NAD 83 NME
SURFACE LOCATION
Y= 410,968.2
X= 667,490.7
LAT.= 32.129174°N
LONG.= 103.925801°W

FIRST TAKE POINT
NAD 27 NME
Y= 411,599.6
X= 626,288.6
LAT.= 32.130947°N
LONG.= 103.925365°W

NAD 83 NME
FIRST TAKE POINT
Y= 411,657.9
X= 667,473.2
LAT.= 32.131071°N
LONG.= 103.925849°W

K.O.P.
NAD 27 NME
Y= 410,835.8
X= 626,257.6
LAT.= 32.128847°N
LONG.= 103.925474°W

NAD 83 NME
K.O.P.
Y= 410,894.1
X= 667,442.2
LAT.= 32.128971°N
LONG.= 103.925959°W

CORNER COORDINATES TABLE
NAD 27 NME

A - Y= 419,223.6 N, X= 625,149.2 E
B - Y= 419,230.0 N, X= 626,505.6 E
C - Y= 416,577.1 N, X= 625,163.9 E
D - Y= 416,580.8 N, X= 626,517.9 E
E - Y= 413,914.7 N, X= 625,173.1 E
F - Y= 413,919.9 N, X= 626,527.4 E
G - Y= 411,254.3 N, X= 625,189.0 E
H - Y= 411,260.6 N, X= 626,542.4 E

CORNER COORDINATES TABLE
NAD 83 NME

A - Y= 419,282.0 N, X= 668,333.6 E
B - Y= 419,288.4 N, X= 667,690.0 E
C - Y= 416,635.5 N, X= 666,348.4 E
D - Y= 416,639.2 N, X= 667,702.4 E
E - Y= 413,973.0 N, X= 666,357.6 E
F - Y= 413,978.2 N, X= 667,712.0 E
G - Y= 411,312.6 N, X= 666,373.6 E
H - Y= 411,318.9 N, X= 667,727.0 E

LAST TAKE POINT
NAD 27 NME
Y= 418,862.4
X= 626,315.5
LAT.= 32.150911°N
LONG.= 103.925189°W

NAD 83 NME
LAST TAKE POINT
Y= 418,920.8
X= 667,599.9
LAT.= 32.151035°N
LONG.= 103.925674°W

BOTTOM HOLE LOCATION
NAD 27 NME
Y= 419,035.3
X= 626,320.2
LAT.= 32.151387°N
LONG.= 103.925171°W

NAD 83 NME
BOTTOM HOLE LOCATION
Y= 419,093.7
X= 667,504.6
LAT.= 32.151510°N
LONG.= 103.925657°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.

Cheryl Rowell 9/4/19
Signature Date

Cheryl Rowell
Printed Name

cheryl_rowell@xtoenergy.com
E-mail Address

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.

9-4-2019
Date of Survey

Signature and Seal of Professional Surveyor:
[Signature]

MARK DILLON HARP 23786
Certificate Number

JC 2017060870

NM OIL CONSERVATION

ARTESIA DISTRICT

Intent ☐ As Drilled ☒

SEP 09 2019

API #
30-015-44841**RECEIVED**

Operator Name:	Property Name:	Well Number
XTO ENERGY, INC.	Muy Wayno 18 Federal	122H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
3	18	25S	30E		2236	South	1066	West	Eddy
Latitude					Longitude				NAD
32.128971					103.925959				83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
2	18	25S	30E		2330	North	1102	West	Eddy
Latitude					Longitude				NAD
32.131071					103.925849				83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
1	7	25S	30E		367	North	1164	West	Eddy
Latitude					Longitude				NAD
32.151035					103.925674				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 #
30-015-44838

Operator Name:	Property Name:	Well Number
XTO ENERGY, INC.	Muy Wayno 18 Federal	102H

KZ 06/29/2018

SEP 08 2019

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Directional Survey Report

Company: XTO				Well Surface Location				Report Date: Mar 22 2019					
Well: MUY WAYNO 18 FEDERAL #122H				Latitude: 32.129050				Time: 07:03					
County: Eddy County				Longitude: -103.925316				Mag Reference: Grid North					
State: New Mexico				Reference: NAD 1927				Mag Correction: 6.706					
Field: Wolfcamp				Y (Northing)				Vert Sect. Azi: 359.72					
API: 30-015-44841				X (Easting)				Perm Datum: Mean Sea Level					
Rig: Patterson 225				Field Engr: Pete Whitehead				Depth Ref: Rotary Table					
Service Co: Wellbenders								RKB Height: 26					
Job #: NMDG 2019-1090								GL Elev: 3192					
Survey Calc: Minimum Curvature													
Survey	MD	Inc	Azimuth	TVD	VS	Rectangular Offsets		Course Length	DLS	Temp	Closure		Source
						NS	EW				Distance	Azimuth	
Tie In	0	0	0	0	0	0	0	0	0	0	0	0	
1	184.00	0.30	176.40	184.00	-0.48	-0.48	0.03	184.00	0.16	0.00	0.48	176.40	Sample Survey Import (2).csv
2	303.00	0.30	349.20	303.00	-0.49	-0.49	-0.01	119.00	0.50	0.00	0.49	181.01	Sample Survey Import (2).csv
3	387.00	0.30	280.50	387.00	-0.23	-0.23	-0.27	84.00	0.40	0.00	0.35	229.20	Sample Survey Import (2).csv
4	483.00	0.40	319.60	483.00	0.07	0.07	-0.73	96.00	0.26	0.00	0.73	275.59	Sample Survey Import (2).csv
5	635.00	0.70	357.20	634.99	1.41	1.40	-1.12	152.00	0.30	0.00	1.79	321.41	Sample Survey Import (2).csv
6	730.00	0.80	16.80	729.98	2.62	2.62	-0.96	95.00	0.29	0.00	2.79	339.93	Sample Survey Import (2).csv
7	825.00	1.00	24.40	824.97	4.01	4.01	-0.42	95.00	0.24	0.00	4.03	353.99	Sample Survey Import (2).csv
8	945.00	1.20	25.80	944.95	6.09	6.09	0.56	120.00	0.17	0.00	6.12	5.23	Sample Survey Import (2).csv
9	1040.00	1.20	35.80	1039.93	7.79	7.79	1.57	95.00	0.22	0.00	7.95	11.40	Sample Survey Import (2).csv
10	1134.00	1.10	17.00	1133.91	9.44	9.46	2.41	94.00	0.41	0.00	9.76	14.31	Sample Survey Import (2).csv
11	1229.00	0.90	336.20	1228.89	11.00	11.01	2.38	95.00	0.76	0.00	11.26	12.18	Sample Survey Import (2).csv
12	1324.00	1.00	289.10	1323.88	11.96	11.96	1.29	95.00	0.80	0.00	12.03	6.17	Sample Survey Import (2).csv
13	1418.00	1.20	315.70	1417.87	12.94	12.94	-0.17	94.00	0.58	0.00	12.94	359.25	Sample Survey Import (2).csv
14	1513.00	1.70	288.90	1512.84	14.12	14.11	-2.20	95.00	0.87	0.00	14.28	351.14	Sample Survey Import (2).csv
15	1608.00	1.90	276.20	1607.79	14.76	14.73	-5.10	95.00	0.47	0.00	15.59	340.92	Sample Survey Import (2).csv
16	1700.00	2.10	276.00	1699.73	15.11	15.07	-8.29	92.00	0.22	0.00	17.20	331.19	Sample Survey Import (2).csv
17	1795.00	2.10	265.00	1794.67	15.16	15.10	-11.75	95.00	0.42	0.00	19.14	322.11	Sample Survey Import (2).csv
18	1889.00	2.10	258.40	1888.61	14.68	14.61	-15.16	94.00	0.26	0.00	21.05	313.94	Sample Survey Import (2).csv
19	1984.00	2.50	261.50	1983.53	14.04	13.95	-18.91	95.00	0.44	0.00	23.50	306.42	Sample Survey Import (2).csv
20	2078.00	1.80	264.30	2077.46	13.61	13.50	-22.41	94.00	0.75	0.00	26.16	301.07	Sample Survey Import (2).csv
21	2172.00	1.10	275.20	2171.43	13.56	13.44	-24.78	94.00	0.80	0.00	28.18	298.47	Sample Survey Import (2).csv
22	2266.00	1.10	281.30	2265.42	13.82	13.69	-26.56	94.00	0.12	0.00	29.88	297.28	Sample Survey Import (2).csv
23	2360.00	1.00	286.20	2359.40	14.24	14.10	-28.23	94.00	0.14	0.00	31.56	296.54	Sample Survey Import (2).csv
24	2454.00	0.90	286.90	2453.39	14.69	14.54	-29.73	94.00	0.11	0.00	33.09	296.07	Sample Survey Import (2).csv
25	2546.00	0.70	278.40	2545.38	14.99	14.84	-30.97	92.00	0.25	0.00	34.34	295.59	Sample Survey Import (2).csv
26	2640.00	0.70	264.20	2639.37	15.02	14.86	-32.11	94.00	0.18	0.00	35.38	294.84	Sample Survey Import (2).csv
27	2734.00	0.50	241.20	2733.37	14.77	14.61	-33.04	94.00	0.33	0.00	36.13	293.85	Sample Survey Import (2).csv
28	2828.00	0.90	159.40	2827.36	13.88	13.72	-33.14	94.00	1.03	0.00	35.87	292.48	Sample Survey Import (2).csv
29	2922.00	1.60	140.10	2921.34	12.18	12.02	-32.04	94.00	0.86	0.00	34.22	290.56	Sample Survey Import (2).csv
30	3016.00	1.30	145.40	3015.31	10.28	10.14	-30.59	94.00	0.35	0.00	32.23	288.33	Sample Survey Import (2).csv
31	3110.00	2.20	143.40	3109.26	7.95	7.81	-28.91	94.00	0.96	0.00	29.95	285.11	Sample Survey Import (2).csv
32	3270.00	2.80	147.10	3269.11	2.18	2.06	-24.96	160.00	0.39	0.00	25.04	274.72	Sample Survey Import (2).csv
33	3298.00	3.10	149.80	3297.07	0.95	0.83	-24.21	28.00	1.18	0.00	24.22	271.97	Sample Survey Import (2).csv
34	3485.00	3.00	147.50	3483.81	-7.57	-7.66	-19.03	187.00	0.08	0.00	20.52	248.07	Sample Survey Import (2).csv
35	3579.00	0.90	149.30	3577.75	-10.29	-10.37	-17.33	94.00	2.23	0.00	20.20	239.10	Sample Survey Import (2).csv
36	3673.00	0.80	140.90	3671.74	-11.44	-11.52	-16.54	94.00	0.17	0.00	20.16	235.16	Sample Survey Import (2).csv
37	3768.00	0.90	142.42	3766.73	-12.55	-12.62	-15.67	95.00	0.11	0.00	20.12	231.15	Sample Survey Import (2).csv
38	3862.00	1.00	118.50	3860.72	-13.53	-13.60	-14.50	94.00	0.43	0.00	19.88	226.83	Sample Survey Import (2).csv
39	3957.00	1.00	115.50	3955.70	-14.29	-14.35	-13.02	95.00	0.06	0.00	19.38	222.22	Sample Survey Import (2).csv
40	4051.00	1.10	121.50	4049.69	-15.12	-15.18	-11.51	94.00	0.16	0.00	19.05	217.18	Sample Survey Import (2).csv
41	4146.00	1.00	114.50	4144.67	-15.95	-16.00	-9.98	95.00	0.17	0.00	18.86	211.96	Sample Survey Import (2).csv
42	4241.00	1.10	108.80	4239.65	-16.59	-16.63	-8.36	95.00	0.15	0.00	18.62	206.69	Sample Survey Import (2).csv
43	4336.00	0.90	107.70	4334.64	-17.12	-17.16	-6.79	95.00	0.21	0.00	18.45	201.59	Sample Survey Import (2).csv
44	4430.00	0.70	108.90	4428.63	-17.54	-17.57	-5.54	94.00	0.21	0.00	18.42	197.51	Sample Survey Import (2).csv
45	4524.00	0.60	77.60	4522.62	-17.62	-17.65	-4.52	94.00	0.39	0.00	18.22	194.36	Sample Survey Import (2).csv
46	4618.00	0.30	86.80	4616.62	-17.51	-17.53	-3.79	94.00	0.33	0.00	17.93	192.21	Sample Survey Import (2).csv
47	4711.00	0.20	85.60	4709.62	-17.48	-17.50	-3.39	93.00	0.11	0.00	17.83	190.96	Sample Survey Import (2).csv
48	4805.00	0.50	102.10	4803.62	-17.56	-17.57	-2.82	94.00	0.33	0.00	17.80	189.13	Sample Survey Import (2).csv
49	4900.00	0.40	76.70	4898.62	-17.57	-17.58	-2.10	95.00	0.23	0.00	17.71	186.79	Sample Survey Import (2).csv
50	4995.00	0.20	143.50	4993.61	-17.63	-17.64	-1.67	95.00	0.39	0.00	17.72	185.42	Sample Survey Import (2).csv
51	5090.00	0.20	282.80	5088.61	-17.73	-17.74	-1.74	95.00	0.39	0.00	17.82	185.59	Sample Survey Import (2).csv
52	5184.00	0.20	170.00	5182.61	-17.85	-17.86	-1.87	94.00	0.35	0.00	17.96	185.97	Sample Survey Import (2).csv
53	5279.00	0.60	210.90	5277.61	-18.44	-18.45	-2.09	95.00	0.49	0.00	18.57	186.48	Sample Survey Import (2).csv
54	5373.00	0.60	186.50	5371.61	-19.35	-19.36	-2.40	94.00	0.27	0.00	19.51	187.07	Sample Survey Import (2).csv
55	5468.00	0.90	201.30	5466.60	-20.54	-20.55	-2.73	95.00	0.37	0.00	20.73	187.57	Sample Survey Import (2).csv
56	5563.00	1.00	199.80	5561.59	-22.01	-22.03	-3.28	95.00	0.11	0.00	22.27	188.48	Sample Survey Import (2).csv
57	5657.00	1.10	191.80	5655.57	-23.67	-23.68	-3.74	94.00	0.19	0.00	23.98	188.99	Sample Survey Import (2).csv
58	5751.00	1.20	205.90	5749.55	-25.43	-25.45	-4.36	94.00	0.32	0.00	25.82	189.72	Sample Survey Import (2).csv
59	5845.00	1.10	205.10	5843.53	-27.13	-27.16	-5.17	94.00	0.11	0.00	27.64	190.78	Sample Survey Import (2).csv
60	5939.00	1.10	213.70	5937.51	-28.69	-28.72	-6.06	94.00	0.18	0.00	29.35	191.90	Sample Survey Import (2).csv
61	6034.00	1.50	214.30	6032.49	-30.47	-30.51	-7.26	95.00	0.42	0.00	31.36	193.39	Sample Survey Import (2).csv
62	6128.00	1.70	217.90	6126.45	-32.58	-32.63	-8.81	94.00	0.24	0.00	33.79	195.11	Sample Survey Import (2).csv
63	6222.00	1.60	228.00	6220.41	-34.55	-34.60	-10.64	94.00	0.33	0.00	36.20	197.10	Sample Survey Import (2).csv
64	6316.00	1.50	229.10	6314.38	-36.23	-36.29	-12.55	94.00	0.11	0.00	38.40	199.08	Sample Survey Import (2).csv
65	6411.00	1.40	220.90	6409.35	-37.91	-37.98	-14.25	95.00	0.24	0.00	40.56	200.56	Sample Survey Import (2).csv
66	6505.00	1.40	215.70	6503.32	-39.70	-39.78	-15.67	94.00	0.14	0.00	42.75	201.50	Sample Survey Import (2).csv
67	6601.00	1.60	198.30	6599.29	-41.92	-42.00	-16.78	96.00	0.52	0.00	45.23	201.77	Sample Survey Import (2).csv
68	6696.00	1.80	198.30	6694.25	-44.59	-44.68	-17.66	95.00	0.21	0.00	48.04	201.57	Sample Survey Import (2).csv
69	6789.00	2.00	200.30	6787.20	-47.50	-47.59	-18.68	93.00	0.23	0.00	51.12	201.43	Sample Survey Import (2).csv
70	6884.00	1.60	195.50	6882.15	-50.32	-50.42	-19.61	95.00	0.45	0.00	54.10	201.25	Sample Survey Import (2).csv
71	6979.00	0.60	264.40	6977.13	-51.65	-51.75	-20.46	95.00	1.57				

73	7169.00	0.50	268.20	7167.12	-51.90	-52.01	-22.51	95.00	0.23	0.00	56.68	203.40	Sample Survey Import (2).csv
74	7264.00	0.80	240.40	7262.12	-52.24	-52.35	-23.50	95.00	0.45	0.00	57.39	204.18	Sample Survey Import (2).csv
75	7359.00	0.70	58.10	7357.11	-52.26	-52.37	-23.59	95.00	1.58	0.00	57.44	204.25	Sample Survey Import (2).csv
76	7454.00	1.10	43.30	7452.10	-51.29	-51.40	-22.47	95.00	0.48	0.00	56.10	203.61	Sample Survey Import (2).csv
77	7549.00	1.10	41.30	7547.08	-49.95	-50.06	-21.24	95.00	0.04	0.00	54.38	203.00	Sample Survey Import (2).csv
78	7641.00	1.30	24.80	7639.06	-48.35	-48.44	-20.22	92.00	0.43	0.00	52.50	202.66	Sample Survey Import (2).csv
79	7735.00	0.70	27.10	7733.05	-46.87	-46.97	-19.51	94.00	0.64	0.00	50.86	202.56	Sample Survey Import (2).csv
80	7830.00	0.20	141.00	7828.05	-46.48	-46.58	-19.14	95.00	0.84	0.00	50.36	202.34	Sample Survey Import (2).csv
81	7925.00	0.40	133.00	7923.05	-46.84	-46.93	-18.80	95.00	0.21	0.00	50.56	201.83	Sample Survey Import (2).csv
82	8020.00	0.70	133.00	8018.04	-47.47	-47.55	-18.13	95.00	0.32	0.00	50.89	200.87	Sample Survey Import (2).csv
83	8114.00	0.70	233.20	8112.04	-48.20	-48.29	-18.17	94.00	1.14	0.00	51.60	200.62	Sample Survey Import (2).csv
84	8205.00	1.20	251.10	8203.02	-48.84	-48.93	-19.52	91.00	0.63	0.00	52.68	201.75	Sample Survey Import (2).csv
85	8299.00	1.60	257.90	8297.00	-49.42	-49.53	-21.73	94.00	0.46	0.00	54.08	203.69	Sample Survey Import (2).csv
86	8393.00	1.50	243.60	8390.98	-50.23	-50.35	-24.12	94.00	0.42	0.00	55.83	205.59	Sample Survey Import (2).csv
87	8492.00	1.00	254.00	8489.94	-51.03	-51.16	-26.11	99.00	0.55	0.00	57.44	207.04	Sample Survey Import (2).csv
88	8587.00	1.10	245.40	8584.92	-51.63	-51.77	-27.73	95.00	0.20	0.00	58.73	208.18	Sample Survey Import (2).csv
89	8681.00	1.20	243.20	8678.90	-52.45	-52.59	-29.43	94.00	0.12	0.00	60.27	209.23	Sample Survey Import (2).csv
90	8776.00	2.00	234.90	8773.87	-53.84	-53.99	-31.68	95.00	0.87	0.00	62.60	210.40	Sample Survey Import (2).csv
91	8870.00	1.90	217.20	8867.81	-56.01	-56.18	-33.96	94.00	0.65	0.00	65.64	211.16	Sample Survey Import (2).csv
92	8964.00	2.40	197.70	8961.75	-59.12	-59.29	-35.50	94.00	0.94	0.00	69.11	210.91	Sample Survey Import (2).csv
93	9058.00	1.00	173.40	9055.70	-61.81	-61.98	-36.01	94.00	1.64	0.00	71.68	210.15	Sample Survey Import (2).csv
94	9153.00	0.60	169.20	9150.70	-63.12	-63.29	-35.82	95.00	0.43	0.00	72.73	209.51	Sample Survey Import (2).csv
95	9247.00	1.40	204.60	9244.68	-64.64	-64.82	-36.20	94.00	1.04	0.00	74.25	209.18	Sample Survey Import (2).csv
96	9342.00	1.30	210.40	9339.65	-66.62	-66.81	-37.23	95.00	0.18	0.00	76.48	209.13	Sample Survey Import (2).csv
97	9436.00	0.90	199.90	9433.64	-68.23	-68.42	-38.02	94.00	0.47	0.00	78.28	209.06	Sample Survey Import (2).csv
98	9531.00	1.00	163.00	9528.62	-69.73	-69.91	-38.03	95.00	0.64	0.00	79.59	208.55	Sample Survey Import (2).csv
99	9626.00	1.20	178.30	9623.61	-71.52	-71.70	-37.76	95.00	0.37	0.00	81.04	207.77	Sample Survey Import (2).csv
100	9721.00	2.40	201.50	9718.56	-74.36	-74.55	-38.46	95.00	1.45	0.00	83.68	207.29	Sample Survey Import (2).csv
101	9815.00	1.10	231.20	9812.52	-76.75	-76.94	-39.89	94.00	1.54	0.00	86.67	207.40	Sample Survey Import (2).csv
102	9909.00	1.50	264.70	9906.49	-77.42	-77.62	-41.81	94.00	0.90	0.00	88.17	208.31	Sample Survey Import (2).csv
103	10004.00	1.10	276.60	10001.47	-77.42	-77.63	-43.96	95.00	0.51	0.00	89.21	209.52	Sample Survey Import (2).csv
104	10098.00	1.30	291.40	10095.45	-76.92	-77.14	-45.85	94.00	0.39	0.00	89.74	210.72	Sample Survey Import (2).csv
105	10116.00	1.50	280.50	10113.44	-76.80	-77.02	-46.27	18.00	1.85	0.00	89.85	210.99	Sample Survey Import (2).csv
106	10144.00	1.40	274.50	10141.43	-76.70	-76.93	-46.97	28.00	0.65	0.00	90.14	211.41	Sample Survey Import (2).csv
107	10238.00	7.30	339.90	10235.15	-70.98	-71.22	-50.17	94.00	7.27	0.00	87.12	215.16	Sample Survey Import (2).csv
108	10286.00	13.30	343.80	10282.36	-62.79	-63.05	-52.76	48.00	12.58	0.00	82.21	219.92	Sample Survey Import (2).csv
109	10333.00	18.10	346.70	10327.59	-50.47	-50.75	-55.95	47.00	10.35	0.00	75.54	227.79	Sample Survey Import (2).csv
110	10380.00	22.60	353.50	10371.65	-34.37	-34.66	-58.66	47.00	10.80	0.00	68.13	239.42	Sample Survey Import (2).csv
111	10427.00	27.30	356.80	10414.25	-14.62	-14.91	-60.28	47.00	10.43	0.00	62.10	256.11	Sample Survey Import (2).csv
112	10474.00	30.20	358.80	10455.46	7.97	7.67	-61.13	47.00	6.50	0.00	61.61	277.15	Sample Survey Import (2).csv
113	10522.00	34.30	360.00	10496.04	33.58	33.28	-61.38	48.00	8.64	0.00	69.82	298.46	Sample Survey Import (2).csv
114	10569.00	37.70	1.10	10534.06	61.20	60.90	-61.11	47.00	7.36	0.00	86.27	314.90	Sample Survey Import (2).csv
115	10616.00	41.60	2.60	10570.24	91.16	90.87	-60.12	47.00	8.54	0.00	108.96	326.51	Sample Survey Import (2).csv
116	10663.00	44.90	3.20	10604.47	123.31	123.02	-58.49	47.00	7.08	0.00	136.22	334.57	Sample Survey Import (2).csv
117	10710.00	48.00	3.10	10636.85	157.31	157.03	-56.62	47.00	6.60	0.00	166.93	340.17	Sample Survey Import (2).csv
118	10758.00	51.30	3.70	10667.93	193.81	193.54	-54.44	48.00	6.94	0.00	201.05	344.29	Sample Survey Import (2).csv
119	10799.00	54.40	5.00	10692.68	226.37	226.12	-51.96	41.00	7.97	0.00	232.01	347.06	Sample Survey Import (2).csv
120	10852.00	57.70	6.00	10722.28	270.11	269.88	-47.74	53.00	6.42	0.00	274.07	349.97	Sample Survey Import (2).csv
121	10899.00	57.60	6.60	10747.43	309.55	309.34	-43.38	47.00	1.10	0.00	312.37	352.02	Sample Survey Import (2).csv
122	10946.00	60.80	4.60	10771.49	349.70	349.51	-39.45	47.00	7.73	0.00	351.73	353.56	Sample Survey Import (2).csv
123	10994.00	64.60	4.40	10793.50	392.20	392.03	-36.11	48.00	7.93	0.00	393.69	354.74	Sample Survey Import (2).csv
124	11042.00	67.80	3.30	10812.87	436.00	435.84	-33.17	48.00	6.99	0.00	437.10	355.65	Sample Survey Import (2).csv
125	11089.00	72.50	2.90	10828.83	480.12	479.97	-30.78	47.00	10.03	0.00	480.96	356.33	Sample Survey Import (2).csv
126	11136.00	77.80	3.40	10840.87	525.45	525.32	-28.28	47.00	11.32	0.00	526.08	356.92	Sample Survey Import (2).csv
127	11183.00	81.40	3.90	10849.35	571.56	571.44	-25.34	47.00	7.73	0.00	572.00	357.46	Sample Survey Import (2).csv
128	11231.00	85.40	3.80	10854.87	619.11	619.01	-22.14	48.00	8.34	0.00	619.40	357.95	Sample Survey Import (2).csv
129	11319.00	88.92	3.63	10859.22	706.77	706.70	-16.44	88.00	4.01	148.47	706.89	358.67	MWD Run 1
130	11414.00	87.87	2.40	10861.88	801.57	801.53	-11.45	95.00	1.71	155.53	801.61	359.18	MWD Run 1
131	11508.00	88.09	1.52	10865.20	895.41	895.41	-8.24	94.00	0.96	160.82	895.45	359.47	MWD Run 1
132	11602.00	87.82	1.17	10868.55	989.35	989.33	-6.03	94.00	0.47	160.82	989.35	359.65	MWD Run 1
133	11696.00	85.32	359.50	10874.17	1083.16	1083.15	-5.48	94.00	3.20	164.35	1083.16	359.71	MWD Run 1
134	11790.00	85.32	0.11	10881.85	1176.85	1176.83	-5.80	94.00	0.65	166.12	1176.85	359.72	MWD Run 1
135	11884.00	88.70	0.11	10886.75	1270.70	1270.69	-5.61	94.00	3.60	164.35	1270.70	359.75	MWD Run 1
136	11978.00	92.13	2.40	10886.06	1364.65	1364.65	-3.55	94.00	4.38	166.12	1364.65	359.85	MWD Run 1
137	12072.00	90.73	1.52	10883.72	1458.54	1458.56	-0.34	94.00	1.76	169.65	1458.56	359.99	MWD Run 1
138	12166.00	91.21	1.61	10882.13	1552.48	1552.51	2.23	94.00	0.52	173.18	1552.51	0.08	MWD Run 1
139	12261.00	89.63	0.47	10881.44	1647.45	1647.49	3.95	95.00	2.05	173.18	1647.49	0.14	MWD Run 1
140	12355.00	90.90	0.03	10881.01	1741.44	1741.48	4.35	94.00	1.43	174.94	1741.49	0.14	MWD Run 1
141	12449.00	90.68	0.99	10879.71	1835.42	1835.47	5.19	94.00	1.05	174.94	1835.48	0.16	MWD Run 1
142	12543.00	88.79	0.99	10880.14	1929.39	1929.45	6.82	94.00	2.01	178.47	1929.46	0.20	MWD Run 1
143	12637.00	90.11	0.29	10881.04	2023.37	2023.44	7.87	94.00	1.59	176.71	2023.45	0.22	MWD Run 1
144	12731.00	92.35	0.73	10879.02	2117.34	2117.41	8.70	94.00	2.43	178.47	2117.42	0.24	MWD Run 1
145	12826.00	91.25	1.61	10876.04	2212.26	2212.34	10.64	95.00	1.48	180.24	2212.36	0.28	MWD Run 1
146	12921.00	91.08	358.36	10874.10	2307.22	2307.30	10.61	95.00	3.43	166.12	2307.33	0.26	MWD Run 1
147	13015.00	89.71	357.39	10873.46	2401.17	2401.23	7.12	94.00	1.78	178.47	2401.24	0.17	MWD Run 1
148	13110.00	88.62	355.19	10874.84	2495.98	2496.02	0.98	95.00	2.59	180.24	2496.02	0.02	MWD Run 1
149	13204.00	89.45	357.04	10876.43	2589.78	2589.78	-5.39	94.00	2.15	185.53	2589.79	359.88	MWD Run 1
150	13298.00	92.44	358.62	10874.88	2683.70	2683.69	-8.95	94.00	3.60	187.29	2683.70	359.81	MWD Run 1
151	13392.00	91.87	359.15	10871.34	2777.62	2777.60	-10.78	94.00	0.83	187.29	2777.62	359.78	MWD Run 1
152	13486.00	89.85	358.71	10869.94	2871.60	2871.57	-12.54	94.00	2.20	180.24	2871.60	359.75	MWD Run 1
153	13580.00	92.75	0.03	10867.81	2965.56	2965.53	-13.58	94.00	3.39	189.06	2965.56	359.74	MWD Run 1
154	13674.00	91.69	359.59	10864.17	3059.49	3059.46	-13.89	94.00	1.22	189.06	3059.49	359.74	MWD Run 1
155	13768.00	91.87	359.67										

168	14989.00	85.19	358.53	10855.41	4373.72	4373.73	-6.92	94.00	3.35	196.12	4373.74	359.91	MWD Run 1
169	15083.00	86.64	359.15	10862.11	4467.46	4467.47	-8.81	94.00	1.68	196.12	4467.48	359.89	MWD Run 1
170	15177.00	86.68	0.47	10867.59	4561.30	4561.31	-9.13	94.00	1.40	192.59	4561.32	359.89	MWD Run 1
171	15270.00	92.48	3.10	10868.27	4654.19	4654.21	-6.24	93.00	6.85	199.65	4654.22	359.92	MWD Run 1
172	15363.00	93.41	4.25	10863.49	4746.84	4746.90	-0.28	93.00	1.58	199.65	4746.90	360.00	MWD Run 1
173	15458.00	92.75	0.64	10858.39	4841.58	4841.66	3.76	95.00	3.85	196.12	4841.66	0.04	MWD Run 1
174	15551.00	88.92	358.88	10857.03	4934.55	4934.63	3.37	93.00	4.53	197.88	4934.63	0.04	MWD Run 1
175	15645.00	91.69	3.72	10856.53	5028.48	5028.57	-5.50	94.00	5.93	199.65	5028.57	0.06	MWD Run 1
176	15740.00	92.13	0.55	10853.36	5123.33	5123.43	9.04	95.00	3.36	199.65	5123.44	0.10	MWD Run 1
177	15834.00	93.41	359.76	10848.82	5217.21	5217.32	9.30	94.00	1.60	201.41	5217.33	0.10	MWD Run 1
178	15928.00	88.48	357.04	10847.27	5311.14	5311.23	6.68	94.00	5.99	189.06	5311.24	0.07	MWD Run 1
179	16023.00	86.64	356.51	10851.31	5405.92	5405.99	1.34	95.00	2.02	201.41	5405.99	0.01	MWD Run 1
180	16117.00	86.95	358.71	10856.57	5499.70	5499.76	-2.58	94.00	2.36	197.88	5499.76	359.97	MWD Run 1
181	16211.00	88.35	359.50	10860.43	5593.62	5593.66	-4.05	94.00	1.72	201.41	5593.67	359.96	MWD Run 1
182	16306.00	89.05	0.29	10862.58	5688.59	5688.64	-4.22	95.00	1.11	182.00	5688.64	359.96	MWD Run 1
183	16400.00	85.85	359.59	10866.76	5782.48	5782.53	-4.32	94.00	3.49	196.12	5782.53	359.96	MWD Run 1
184	16494.00	88.48	0.11	10871.41	5876.36	5876.41	-4.57	94.00	2.86	197.88	5876.41	359.96	MWD Run 1
185	16589.00	87.43	359.85	10874.80	5971.30	5971.35	-4.59	95.00	1.14	192.59	5971.35	359.96	MWD Run 1
186	16683.00	89.01	0.82	10877.72	6065.24	6065.30	-4.05	94.00	1.97	203.18	6065.30	359.96	MWD Run 1
187	16777.00	90.46	1.61	10878.15	6159.21	6159.27	-2.06	94.00	1.76	203.18	6159.27	359.98	MWD Run 1
188	16871.00	87.16	0.20	10880.10	6253.15	6253.22	-0.57	94.00	3.81	204.94	6253.22	359.99	MWD Run 1
189	16965.00	89.10	0.82	10883.16	6347.09	6347.16	0.26	94.00	2.16	203.18	6347.16	0.00	MWD Run 1
190	17060.00	87.60	359.32	10885.89	6442.04	6442.12	0.38	95.00	2.22	203.18	6442.12	0.00	MWD Run 1
191	17154.00	89.32	359.32	10888.42	6536.00	6536.08	-0.73	94.00	1.82	197.88	6536.08	359.99	MWD Run 1
192	17248.00	89.76	359.41	10889.17	6630.00	6630.07	-1.77	94.00	0.48	203.18	6630.07	359.98	MWD Run 1
193	17342.00	95.91	1.34	10884.53	6723.83	6723.90	-1.15	94.00	6.86	203.18	6723.90	359.99	MWD Run 1
194	17436.00	95.96	0.99	10874.81	6817.29	6817.38	0.75	94.00	0.37	206.71	6817.38	0.01	MWD Run 1
195	17530.00	94.37	0.99	10866.35	6910.88	6910.98	2.38	94.00	1.68	208.47	6910.98	0.02	MWD Run 1
196	17625.00	92.53	0.38	10860.63	7005.69	7005.79	3.51	95.00	2.05	210.24	7005.80	0.03	MWD Run 1
197	17719.00	90.24	0.73	10858.36	7099.65	7099.76	4.42	94.00	2.46	210.24	7099.76	0.04	MWD Run 1
198	17813.00	86.81	0.64	10860.77	7193.59	7193.70	5.54	94.00	3.65	212.00	7193.71	0.04	MWD Run 1
199	17906.00	89.05	0.55	10864.12	7286.51	7286.63	6.51	93.00	2.41	196.12	7286.64	0.05	MWD Run 1
200	18001.00	90.24	359.94	10864.71	7381.51	7381.63	6.92	95.00	1.41	208.47	7381.63	0.05	MWD Run 1
201	18094.00	89.32	359.67	10865.06	7474.50	7474.63	6.61	93.00	1.03	210.24	7474.63	0.05	MWD Run 1
202	18188.00	89.41	0.91	10866.11	7568.49	7568.62	7.08	94.00	1.31	212.00	7568.62	0.05	MWD Run 1
203	18282.00	90.51	0.64	10866.18	7662.47	7662.61	8.35	94.00	1.20	212.00	7662.61	0.06	MWD Run 1
204	18376.00	90.59	0.47	10865.28	7756.46	7756.60	9.26	94.00	0.21	212.00	7756.60	0.07	MWD Run 1
205	18470.00	88.22	0.11	10866.25	7850.44	7850.59	9.74	94.00	2.55	212.00	7850.59	0.07	MWD Run 1
206	18564.00	86.86	359.41	10870.29	7944.35	7944.49	9.35	94.00	1.63	208.47	7944.50	0.07	MWD Run 1
207	18658.00	88.79	1.87	10873.86	8038.25	8038.41	10.40	94.00	3.33	210.00	8038.42	0.07	MWD Run 1
208	18688.00	89.05	2.58	10874.42	8068.23	8068.38	11.56	30.00	2.50	210.24	8068.39	0.08	MWD Run 1
PTB	18745.00	89.05	2.58	10875.37	8125.15	8125.32	14.13	57.00	0.01	0.00	8125.33	0.10	MWD Run 1

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