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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

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- 44846	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp
⁴ Property Code 321151	⁵ Property Name MUY WAYNO 18 FEDERAL	⁶ Well Number 103H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	⁹ Elevation 3,165'

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	1,145	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
C	7	25 S	30 E		201	NORTH	1,523	WEST	EDDY

¹² Dedicated Acres 483.44	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= 410,910.1 X= 626,335.9 LAT.= 32.129051°N LONG.= 103.925220°W FIRST TAKE POINT NAD 27 NME Y= 411,657.8 X= 626,665.6 LAT.= 32.131103°N LONG.= 103.924146°W K.O.P. NAD 27 NME Y= 410,965.6 X= 626,680.4 LAT.= 32.129200°N LONG.= 103.924106°W CORNER COORDINATES TABLE NAD 27 NME A - Y= 419,236.3 N, X= 627,843.0 E B - Y= 419,230.0 N, X= 626,505.6 E C - Y= 416,584.3 N, X= 627,852.8 E D - Y= 416,580.8 N, X= 626,517.9 E E - Y= 413,925.0 N, X= 627,862.7 E F - Y= 413,919.9 N, X= 626,527.4 E G - Y= 411,266.7 N, X= 627,877.5 E H - Y= 411,260.6 N, X= 626,542.4 E CORNER COORDINATES TABLE NAD 83 NME A - Y= 419,294.7 N, X= 669,027.4 E B - Y= 419,288.4 N, X= 667,690.0 E C - Y= 416,642.7 N, X= 669,037.3 E D - Y= 416,639.2 N, X= 667,702.4 E E - Y= 413,983.3 N, X= 669,047.3 E F - Y= 413,978.2 N, X= 667,712.0 E G - Y= 411,325.0 N, X= 669,062.2 E H - Y= 411,318.9 N, X= 667,727.0 E LAST TAKE POINT NAD 27 NME Y= 418,862.0 X= 626,679.1 LAT.= 32.150906°N LONG.= 103.924014°W BOTTOM HOLE LOCATION NAD 27 NME Y= 419,029.7 X= 626,673.7 LAT.= 32.151367°N LONG.= 103.924029°W	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 410,968.4 X= 667,520.5 LAT.= 32.129175°N LONG.= 103.925705°W FIRST TAKE POINT NAD 83 NME Y= 411,716.1 X= 667,850.2 LAT.= 32.131227°N LONG.= 103.924630°W K.O.P. NAD 83 NME Y= 411,023.9 X= 667,865.1 LAT.= 32.129324°N LONG.= 103.924591°W LAST TAKE POINT NAD 83 NME Y= 418,920.4 X= 667,863.5 LAT.= 32.151030°N LONG.= 103.924499°W BOTTOM HOLE LOCATION NAD 83 NME Y= 419,088.1 X= 667,858.1 LAT.= 32.151491°N LONG.= 103.924514°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. <i>Cheryl Rowell</i> 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: <i>Mark Dillon Harp</i> MARK DILLON HARP 23786 Certificate Number JC 2017060869	

Intent ☐ As Drilled ☒

API # 30-015-44846			
Operator Name: XTO ENERGY, INC.		Property Name: Muy Wayno 18 Federal	Well Number 103H

Kick Off Point (KOP)

UL K	Section 18	Township 25S	Range 30E	Lot	Feet 2364	From N/S South	Feet 1490	From E/W West	County Eddy
Latitude 32.129324					Longitude 103.924591			NAD 83	

First Take Point (FTP)

UL F	Section 18	Township 25S	Range 30E	Lot	Feet 2263	From N/S North	Feet 1479	From E/W West	County Eddy
Latitude 32.131227					Longitude 103.924591			NAD 83	

Last Take Point (LTP)

UL C	Section 7	Township 25S	Range 30E	Lot	Feet 369	From N/S North	Feet 1528	From E/W West	County Eddy
Latitude 32.151030					Longitude 103.924499			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 # 30-015-44838			
Operator Name: XTO ENERGY, INC.		Property Name: Muy Wayno 18 Federal	Well Number 102H

KZ 06/29/2018



I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **11/26/18** thru **03/08/19** conduct or supervise the taking of a **MWD Survey** from a depth of **107'** to a depth of **18383'**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Wellbenders Directional Services**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **XTO Energy Inc** for the **Muy Wayno 18 Federal #103H** API No. **30-015-44846** in **Eddy County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Wellbenders Directional Services**.

Larry Wright

Larry
Wright

Digitally signed
by Larry Wright
Date:
2019.12.11
14:23:02 -06'00'

*13901 Hwy 105W, Conroe, Texas
77304
PH 936-539-9602*



Directional Survey Report

Company: XTO	Well Surface Location	Report Date: Mar 08 2019
Well: Muy Wayno 18 Federal #103H	Latitude: 32.129051	Time: 20:03
County: Eddy	Longitude: -103.925220	Mag Reference: Grid North
State: NM	Reference: NAD 1927	Mag Correction: 6.74
Field: Muy Wayno 18 Federal	Y (Northing) 410,910.10	Vert Sect. Azi: 359.72
API: 30-015-44846	X (Easting) 626,335.90	Perm Datum: Mean Sea Level
Rig: Patterson 225	Field Engr: James Whitehead	Depth Ref: Rotary Table
Service Co: Wellbenders Directional Services	Remote Ops	RKB Height: 26
Job #: NMDG 2019-1077		GL Elev: 3165
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	107.00	0.50	53.10	107.00	0.28	0.28	0.37	107.00	0.47	0.00	0.47	53.10	Survey Import.csv
2	212.00	0.60	73.60	211.99	0.70	0.71	1.27	105.00	0.21	0.00	1.45	60.72	Survey Import.csv
3	292.00	0.90	125.60	291.99	0.45	0.46	2.18	80.00	0.89	0.00	2.23	78.00	Survey Import.csv
4	385.00	0.70	120.20	384.98	-0.26	-0.25	3.26	93.00	0.23	0.00	3.27	94.34	Survey Import.csv
5	475.00	0.70	115.70	474.97	-0.78	-0.76	4.24	90.00	0.06	0.00	4.30	100.21	Survey Import.csv
6	568.00	0.90	94.60	567.96	-1.09	-1.07	5.48	93.00	0.38	0.00	5.58	101.03	Survey Import.csv
7	631.00	0.80	81.50	630.96	-1.07	-1.04	6.40	63.00	0.35	0.00	6.49	99.25	Survey Import.csv
8	725.00	0.90	75.60	724.95	-0.80	-0.76	7.77	94.00	0.14	0.00	7.80	95.60	Survey Import.csv
9	820.00	1.00	71.60	819.93	-0.36	-0.31	9.28	95.00	0.13	0.00	9.28	91.94	Survey Import.csv
10	865.00	1.10	64.00	864.93	-0.05	0.00	10.04	45.00	0.38	0.00	10.04	90.01	Survey Import.csv
11	944.00	1.10	67.40	943.91	0.57	0.62	11.42	79.00	0.08	0.00	11.44	86.88	Survey Import.csv
12	1041.00	1.40	85.20	1040.89	1.01	1.08	13.46	97.00	0.50	0.00	13.50	85.41	Survey Import.csv
13	1135.00	1.10	96.00	1134.87	1.01	1.08	15.50	94.00	0.40	0.00	15.54	86.01	Survey Import.csv
14	1230.00	0.50	54.70	1229.86	1.14	1.23	16.75	95.00	0.84	0.00	16.79	85.81	Survey Import.csv
15	1325.00	0.80	8.90	1324.85	2.04	2.12	17.19	95.00	0.61	0.00	17.32	82.97	Survey Import.csv
16	1420.00	0.70	337.60	1419.84	3.23	3.31	17.07	95.00	0.44	0.00	17.39	79.02	Survey Import.csv
17	1514.00	1.00	303.10	1513.83	4.21	4.29	16.16	94.00	0.62	0.00	16.72	75.13	Survey Import.csv
18	1609.00	1.40	289.70	1608.81	5.06	5.13	14.38	95.00	0.51	0.00	15.27	70.34	Survey Import.csv
19	1701.00	2.00	294.10	1700.77	6.11	6.17	11.85	92.00	0.67	0.00	13.36	62.50	Survey Import.csv
20	1796.00	1.90	292.10	1795.72	7.40	7.44	8.88	95.00	0.13	0.00	11.58	50.05	Survey Import.csv
21	1890.00	2.60	290.60	1889.64	8.75	8.78	5.44	94.00	0.75	0.00	10.32	31.80	Survey Import.csv
22	1985.00	2.80	285.50	1984.54	10.15	10.15	1.19	95.00	0.33	0.00	10.22	6.67	Survey Import.csv
23	2079.00	2.50	280.60	2078.44	11.16	11.14	-3.04	94.00	0.40	0.00	11.55	344.74	Survey Import.csv
24	2173.00	2.20	279.90	2172.36	11.86	11.83	-6.83	94.00	0.32	0.00	13.66	329.99	Survey Import.csv
25	2268.00	2.20	279.10	2267.29	12.48	12.43	-10.43	95.00	0.03	0.00	16.23	320.01	Survey Import.csv
26	2362.00	2.40	275.90	2361.21	12.99	12.92	-14.17	94.00	0.25	0.00	19.18	312.36	Survey Import.csv
27	2455.00	2.10	276.70	2454.14	13.41	13.32	-17.80	93.00	0.32	0.00	22.23	306.81	Survey Import.csv
28	2547.00	2.10	269.80	2546.08	13.61	13.51	-21.16	92.00	0.27	0.00	25.10	302.56	Survey Import.csv
29	2641.00	2.00	260.10	2640.02	13.34	13.22	-24.50	94.00	0.38	0.00	27.84	298.36	Survey Import.csv
30	2735.00	1.70	254.00	2733.97	12.69	12.56	-27.45	94.00	0.38	0.00	30.19	294.58	Survey Import.csv
31	2829.00	1.10	197.20	2827.95	11.45	11.31	-29.06	94.00	1.52	0.00	31.18	291.27	Survey Import.csv
32	2923.00	1.50	159.40	2921.92	9.44	9.30	-28.89	94.00	0.98	0.00	30.35	287.84	Survey Import.csv
33	3018.00	1.90	150.00	3016.88	6.90	6.77	-27.67	95.00	0.51	0.00	28.48	283.75	Survey Import.csv
34	3111.00	3.20	139.60	3109.79	3.58	3.46	-25.21	93.00	1.48	0.00	25.45	277.81	Survey Import.csv
35	3205.00	4.50	131.90	3203.57	-0.90	-1.00	-20.77	94.00	1.49	0.00	20.79	267.23	Survey Import.csv
36	3299.00	5.60	129.70	3297.21	-6.33	-6.40	-14.50	94.00	1.19	0.00	15.84	246.19	Survey Import.csv
37	3381.00	5.10	120.60	3378.85	-10.77	-10.81	-8.28	82.00	1.20	0.00	13.62	217.46	Survey Import.csv
38	3514.00	4.10	129.30	3511.42	-16.83	-16.83	0.49	133.00	0.91	0.00	16.84	178.34	Survey Import.csv
39	3609.00	3.90	128.20	3606.19	-21.01	-20.98	5.65	95.00	0.23	0.00	21.73	164.91	Survey Import.csv
40	3703.00	3.80	127.80	3699.98	-24.92	-24.86	10.63	94.00	0.11	0.00	27.04	156.86	Survey Import.csv
41	3797.00	3.60	130.20	3793.78	-28.75	-28.68	15.34	94.00	0.27	0.00	32.52	151.85	Survey Import.csv
42	3892.00	3.70	130.90	3888.59	-32.71	-32.61	19.94	95.00	0.12	0.00	38.22	148.56	Survey Import.csv
43	3986.00	3.80	125.10	3982.39	-36.51	-36.39	24.78	94.00	0.42	0.00	44.02	145.75	Survey Import.csv
44	4081.00	3.70	99.70	4077.19	-38.86	-38.71	30.38	95.00	1.74	0.00	49.21	141.88	Survey Import.csv
45	4176.00	3.80	91.70	4171.99	-39.50	-39.32	36.54	95.00	0.56	0.00	53.68	137.10	Survey Import.csv
46	4271.00	3.90	90.90	4266.78	-39.68	-39.47	42.92	95.00	0.12	0.00	58.31	132.60	Survey Import.csv
47	4366.00	3.60	89.50	4361.57	-39.73	-39.49	49.13	95.00	0.33	0.00	63.04	128.79	Survey Import.csv
48	4460.00	3.30	91.70	4455.40	-39.81	-39.55	54.79	94.00	0.35	0.00	67.57	125.82	Survey Import.csv
49	4554.00	4.40	75.50	4549.19	-39.02	-38.72	60.99	94.00	1.63	0.00	72.24	122.41	Survey Import.csv
50	4648.00	5.40	69.90	4642.85	-36.64	-36.30	68.63	94.00	1.18	0.00	77.64	117.88	Survey Import.csv
51	4741.00	5.40	69.60	4735.43	-33.65	-33.27	76.84	93.00	0.03	0.00	83.74	113.41	Survey Import.csv
52	4835.00	5.50	70.50	4829.01	-30.64	-30.23	85.23	94.00	0.14	0.00	90.43	109.53	Survey Import.csv
53	4930.00	5.30	70.00	4923.59	-27.66	-27.21	93.65	95.00	0.22	0.00	97.52	106.20	Survey Import.csv
54	5025.00	5.10	71.20	5018.20	-24.84	-24.34	101.77	95.00	0.24	0.00	104.64	103.45	Survey Import.csv
55	5119.00	4.60	74.00	5111.86	-22.49	-21.96	109.35	94.00	0.59	0.00	111.53	101.36	Survey Import.csv
56	5214.00	4.60	75.10	5206.55	-20.50	-19.93	116.69	95.00	0.09	0.00	118.38	99.69	Survey Import.csv
57	5309.00	4.60	75.50	5301.25	-18.60	-18.00	124.06	95.00	0.03	0.00	125.36	98.25	Survey Import.csv
58	5403.00	4.40	78.10	5394.96	-16.95	-16.31	131.24	94.00	0.30	0.00	132.25	97.08	Survey Import.csv
59	5498.00	4.60	78.10	5489.67	-15.45	-14.77	138.53	95.00	0.21	0.00	139.32	96.09	Survey Import.csv
60	5592.00	4.50	80.60	5583.37	-14.11	-13.39	145.86	94.00	0.24	0.00	146.47	95.25	Survey Import.csv
61	5687.00	4.50	82.20	5678.08	-13.03	-12.28	153.23	95.00	0.13	0.00	153.72	94.58	Survey Import.csv
62	5781.00	4.10	76.40	5771.81	-11.77	-10.99	160.15	94.00	0.63	0.00	160.52	93.92	Survey Import.csv
63	5875.00	3.60	72.00	5865.60	-10.10	-9.29	166.22	94.00	0.62	0.00	166.48	93.20	Survey Import.csv
64	5969.00	3.50	76.40	5959.42	-8.54	-7.70	171.81	94.00	0.31	0.00	171.99	92.57	Survey Import.csv
65	6063.00	3.00	77.20	6053.27	-7.34	-6.48	177.00	94.00	0.53	0.00	177.12	92.10	Survey Import.csv
66	6157.00	2.80	77.80	6147.15	-6.34	-5.45	181.64	94.00	0.22	0.00	181.73	91.72	Survey Import.csv
67	6252.00	4.10	66.80	6241.97	-4.53	-3.62	187.03	95.00	1.53	0.00	187.07	91.11	Survey Import.csv
68	6346.00	4.20	65.70	6335.73	-1.82	-0.88	193.26	94.00	0.14	0.00	193.26	90.26	Survey Import.csv
69	6441.00	4.10	66.20	6430.48	0.95	1.92	199.54	95.00	0.11	0.00	199.55	89.45	Survey Import.csv
70	6536.00	3.90	68.30	6525.25	3.48	4.49	205.65	95.00	0.26	0.00	205.70	88.75	Survey Import.csv
71	6631.00	3.90	67.70	6620.03	5.87	6.91	211.64	95.00	0.04	0.00	211.75	88.13	Survey Import.csv
72	6726.00	3.80	69.40	6714.81	8.18	9.24	217.57	95.00	0.16	0.00	217.77	87.57	Survey Import.csv

73	6820.00	3.70	72.10	6808.61	10.18	11.27	223.38	94.00	0.22	0.00	223.66	87.11	Survey Import.csv
74	6915.00	3.80	72.30	6903.41	12.05	13.17	229.29	95.00	0.11	0.00	229.67	86.71	Survey Import.csv
75	7010.00	3.80	77.70	6998.20	13.65	14.80	235.37	95.00	0.38	0.00	235.83	86.40	Survey Import.csv
76	7105.00	3.70	78.70	7093.00	14.89	16.07	241.45	95.00	0.13	0.00	241.98	86.19	Survey Import.csv
77	7199.00	3.40	76.90	7186.82	16.09	17.29	247.14	94.00	0.34	0.00	247.74	86.00	Survey Import.csv
78	7294.00	3.20	78.80	7281.66	17.21	18.45	252.48	95.00	0.24	0.00	253.15	85.82	Survey Import.csv
79	7388.00	3.50	74.50	7375.50	18.46	19.72	257.82	94.00	0.42	0.00	258.57	85.63	Survey Import.csv
80	7482.00	3.20	68.30	7469.34	20.17	21.46	263.02	94.00	0.50	0.00	263.90	85.34	Survey Import.csv
81	7576.00	2.90	59.10	7563.21	22.34	23.65	267.50	94.00	0.61	0.00	268.54	84.95	Survey Import.csv
82	7671.00	2.50	43.70	7658.10	25.06	26.38	270.99	95.00	0.87	0.00	272.28	84.44	Survey Import.csv
83	7766.00	2.20	38.90	7753.02	27.96	29.30	273.57	95.00	0.38	0.00	275.14	83.89	Survey Import.csv
84	7860.00	2.10	19.20	7846.96	30.99	32.33	275.27	94.00	0.79	0.00	277.16	83.30	Survey Import.csv
85	7955.00	2.00	6.90	7941.90	34.27	35.62	276.04	95.00	0.47	0.00	278.33	82.65	Survey Import.csv
86	8049.00	2.10	43.10	8035.84	37.15	38.51	277.42	94.00	1.36	0.00	280.08	82.10	Survey Import.csv
87	8144.00	2.70	55.80	8130.76	39.66	41.04	280.46	95.00	0.84	0.00	283.44	81.68	Survey Import.csv
88	8239.00	2.10	67.50	8225.67	41.57	42.96	283.91	95.00	0.81	0.00	287.15	81.40	Survey Import.csv
89	8332.00	2.20	78.30	8318.61	42.57	43.97	287.24	93.00	0.45	0.00	290.58	81.30	Survey Import.csv
90	8427.00	1.70	84.70	8413.55	43.05	44.47	290.43	95.00	0.57	0.00	293.81	81.29	Survey Import.csv
91	8522.00	1.80	67.80	8508.51	43.73	45.17	293.21	95.00	0.55	0.00	296.67	81.24	Survey Import.csv
92	8617.00	2.10	57.60	8603.45	45.22	46.66	296.06	95.00	0.48	0.00	299.72	81.04	Survey Import.csv
93	8711.00	2.20	62.60	8697.39	46.95	48.42	299.12	94.00	0.23	0.00	303.01	80.81	Survey Import.csv
94	8806.00	3.70	72.90	8792.26	48.67	50.16	303.67	95.00	1.67	0.00	307.78	80.62	Survey Import.csv
95	8900.00	3.10	77.80	8886.09	50.08	51.59	309.05	94.00	0.71	0.00	313.33	80.52	Survey Import.csv
96	8994.00	2.50	78.30	8979.98	51.01	52.54	313.54	94.00	0.64	0.00	317.91	80.49	Survey Import.csv
97	9088.00	2.10	82.20	9073.91	51.64	53.19	317.26	94.00	0.46	0.00	321.68	80.48	Survey Import.csv
98	9183.00	2.00	88.80	9168.85	51.89	53.46	320.64	95.00	0.27	0.00	325.06	80.53	Survey Import.csv
99	9277.00	1.80	120.70	9262.80	51.16	52.74	323.55	94.00	1.13	0.00	327.82	80.74	Survey Import.csv
100	9372.00	2.00	134.20	9357.74	49.23	50.82	326.02	95.00	0.51	0.00	329.96	81.14	Survey Import.csv
101	9467.00	3.30	133.50	9452.64	46.18	47.78	329.19	95.00	1.37	0.00	332.64	81.74	Survey Import.csv
102	9561.00	2.50	99.50	9546.53	43.95	45.58	333.17	94.00	1.98	0.00	336.28	82.21	Survey Import.csv
103	9656.00	3.30	51.30	9641.42	45.30	46.95	337.35	95.00	2.61	0.00	340.60	82.08	Survey Import.csv
104	9751.00	3.00	44.50	9736.27	48.77	50.43	341.23	95.00	0.50	0.00	344.94	81.59	Survey Import.csv
105	9805.00	2.60	41.50	9790.21	50.68	52.36	343.03	54.00	0.79	0.00	347.00	81.32	Survey Import.csv
106	9857.00	2.20	37.80	9842.16	52.35	54.03	344.42	52.00	0.82	0.00	348.64	81.08	Survey Import.csv
107	9904.00	4.40	350.20	9889.09	54.84	56.52	344.67	47.00	7.10	0.00	349.27	80.69	Survey Import.csv
108	9951.00	9.10	337.80	9935.75	60.07	61.74	342.96	47.00	10.41	0.00	348.47	79.79	Survey Import.csv
109	9999.00	14.00	347.80	9982.77	69.27	70.94	340.30	48.00	10.99	0.00	347.61	78.22	Survey Import.csv
110	10046.00	18.60	350.80	10027.87	82.25	83.90	337.89	47.00	9.95	0.00	348.15	76.06	Survey Import.csv
111	10093.00	21.90	349.50	10071.96	98.28	99.92	335.10	47.00	7.09	0.00	349.68	73.40	Survey Import.csv
112	10140.00	23.50	352.80	10115.32	116.21	117.84	332.33	47.00	4.35	0.00	352.60	70.48	Survey Import.csv
113	10188.00	24.60	360.00	10159.16	135.71	137.33	331.13	48.00	6.52	0.00	358.47	67.47	Survey Import.csv
114	10235.00	25.40	5.10	10201.76	155.53	157.16	332.02	47.00	4.89	0.00	367.34	64.67	Survey Import.csv
115	10282.00	28.50	5.40	10243.65	176.73	178.36	333.97	47.00	6.60	0.00	378.62	61.89	Survey Import.csv
116	10329.00	32.70	3.80	10284.10	200.56	202.21	335.87	47.00	9.10	0.00	392.04	58.95	Survey Import.csv
117	10377.00	37.50	2.30	10323.36	228.11	229.76	337.32	48.00	10.16	0.00	408.13	55.74	Survey Import.csv
118	10424.00	40.00	359.00	10360.02	257.51	259.16	337.63	47.00	6.90	0.00	425.63	52.49	Survey Import.csv
119	10471.00	40.70	359.00	10395.84	287.94	289.59	337.10	47.00	1.49	0.00	444.41	49.34	Survey Import.csv
120	10518.00	43.20	358.80	10430.79	319.35	321.00	336.49	47.00	5.33	0.00	465.05	46.35	Survey Import.csv
121	10566.00	48.10	359.80	10464.33	353.66	355.31	336.09	48.00	10.32	0.00	489.08	43.41	Survey Import.csv
122	10613.00	51.10	357.60	10494.79	389.44	391.09	335.26	47.00	7.31	0.00	515.12	40.60	Survey Import.csv
123	10660.00	55.00	355.10	10523.04	426.92	428.56	332.85	47.00	9.32	0.00	542.63	37.84	Survey Import.csv
124	10707.00	59.20	355.70	10548.57	466.27	467.88	329.69	47.00	9.00	0.00	572.37	35.17	Survey Import.csv
125	10754.00	63.30	356.80	10571.17	507.39	508.99	327.00	47.00	8.96	0.00	604.98	32.72	Survey Import.csv
126	10801.00	69.80	358.80	10589.86	550.46	552.05	325.37	47.00	14.37	0.00	640.80	30.51	Survey Import.csv
127	10848.00	72.70	359.50	10604.97	594.95	596.55	324.71	47.00	6.33	0.00	679.19	28.56	Survey Import.csv
128	10896.00	76.30	0.90	10617.80	641.20	642.79	324.87	48.00	8.01	0.00	720.23	26.81	Survey Import.csv
129	10943.00	83.40	2.60	10626.07	687.40	689.00	326.29	47.00	15.52	0.00	762.36	25.34	Survey Import.csv
130	11037.00	87.21	4.02	10633.77	780.88	782.51	331.70	94.00	4.32	143.18	849.91	22.97	MWD Run 1
131	11131.00	89.19	3.31	10636.72	874.61	876.27	337.70	94.00	2.23	150.24	939.09	21.08	MWD Run 1
132	11226.00	89.54	3.05	10637.78	969.43	971.12	342.97	95.00	0.46	155.53	1029.90	19.45	MWD Run 1
133	11320.00	91.43	3.75	10636.99	1063.23	1064.94	348.55	94.00	2.15	159.06	1120.53	18.12	MWD Run 1
134	11415.00	92.48	4.19	10633.74	1157.91	1159.66	355.13	95.00	1.20	157.29	1212.82	17.03	MWD Run 1
135	11509.00	89.45	2.26	10632.16	1251.70	1253.48	360.41	94.00	3.83	159.06	1304.27	16.04	MWD Run 1
136	11603.00	89.19	1.99	10633.28	1345.61	1347.41	363.90	94.00	0.40	162.59	1395.68	15.11	MWD Run 1
137	11697.00	88.44	2.08	10635.22	1439.52	1441.33	367.24	94.00	0.80	164.35	1487.38	14.29	MWD Run 1
138	11791.00	90.95	1.38	10635.73	1533.45	1535.28	370.08	94.00	2.77	162.59	1579.25	13.55	MWD Run 1
139	11885.00	90.73	0.76	10634.36	1627.41	1629.25	371.83	94.00	0.69	167.88	1671.14	12.86	MWD Run 1
140	11979.00	89.27	359.97	10634.36	1721.40	1723.24	372.44	94.00	1.76	169.65	1763.03	12.20	MWD Run 1
141	12073.00	90.73	358.74	10634.36	1815.40	1817.23	371.38	94.00	2.02	169.65	1854.80	11.55	MWD Run 1
142	12167.00	89.76	358.21	10633.96	1909.37	1911.20	368.89	94.00	1.17	171.41	1946.47	10.92	MWD Run 1
143	12262.00	88.70	357.07	10635.24	2004.30	2006.11	364.98	95.00	1.64	173.18	2039.04	10.31	MWD Run 1
144	12356.00	90.90	357.16	10635.56	2098.20	2099.98	360.25	94.00	2.34	174.94	2130.66	9.73	MWD Run 1
145	12450.00	89.71	356.90	10635.06	2192.09	2193.85	355.38	94.00	1.29	174.94	2222.45	9.20	MWD Run 1
146	12544.00	90.46	359.18	10634.91	2286.04	2287.79	352.16	94.00	2.56	176.71	2314.74	8.75	MWD Run 1
147	12638.00	91.60	359.80	10633.22	2380.02	2381.77	351.32	94.00	1.38	180.24	2407.54	8.39	MWD Run 1
148	12733.00	88.57	358.21	10633.07	2475.00	2476.74	349.67	95.00	3.60	182.00	2501.30	8.04	MWD Run 1
149	12827.00	91.30	0.85	10633.18	2568.98	2570.72	348.91	94.00	4.03	185.53	2594.29	7.73	MWD Run 1
150	12922.00	90.37	359.45	10631.79	2663.97	2665.71	349.15	95.00	1.77	187.29	2688.48	7.46	MWD Run 1
151	13016.00	89.80	358.04	10631.65	2757.95	2759.68	347.09	94.00	1.61	187.29	2781.42	7.17	MWD Run 1
152	13111.00	86.24	355.93	10634.93	2852.77	2854.47	342.10	95.00	4.36	185.53	2874.90	6.83	MWD Run 1
153	13205.00	88.31	356.46	10639.40	2946.48	2948.15	335.86	94.00	2.27	187.29	2967.22	6.50	MWD Run 1
154	13299.00	89.14	356.46	10641.49	3040.30	3041.95	330.06	94.00	0.89	189.06	3059.80	6.19	MWD Run 1
155	13393.00	90.51	356.37	10641.78	3134.14	3135.76	324.18	94.00	1.45	190.82	3152.47	5.90	MWD Run 1
156	13487.00	92.13	358.74										

168	14615.00	89.80	359.88	10626.86	4352.60	4354.51	379.26	94.00	2.68	203.18	4370.99	4.98	MWD Run 1
169	14709.00	88.66	359.18	10628.12	4446.59	4448.49	378.49	94.00	1.43	206.71	4464.57	4.86	MWD Run 1
170	14824.00	88.75	358.92	10630.73	4561.55	4563.45	376.58	115.00	0.24	178.47	4578.96	4.72	MWD Run 2
171	14918.00	90.20	357.07	10631.59	4655.50	4657.38	373.29	94.00	2.50	182.00	4672.32	4.58	MWD Run 2
172	15011.00	89.10	356.90	10632.16	4748.39	4750.25	368.40	93.00	1.20	187.29	4764.51	4.43	MWD Run 2
173	15105.00	92.13	357.16	10631.15	4842.27	4844.11	363.53	94.00	3.24	189.06	4857.73	4.29	MWD Run 2
174	15199.00	92.31	357.42	10627.51	4936.12	4937.93	359.09	94.00	0.34	189.06	4950.97	4.16	MWD Run 2
175	15293.00	91.82	357.07	10624.12	5029.97	5031.76	354.58	94.00	0.64	192.59	5044.24	4.03	MWD Run 2
176	15386.00	92.35	358.21	10620.73	5122.84	5124.62	350.76	93.00	1.35	194.35	5136.61	3.92	MWD Run 2
177	15480.00	91.25	357.69	10617.78	5216.75	5218.51	347.40	94.00	1.30	196.12	5230.06	3.81	MWD Run 2
178	15573.00	92.97	359.62	10614.35	5309.66	5311.41	345.21	93.00	2.78	196.12	5322.62	3.72	MWD Run 2
179	15668.00	92.26	359.71	10610.02	5404.56	5406.31	344.66	95.00	0.75	199.65	5417.29	3.65	MWD Run 2
180	15763.00	92.31	0.06	10606.23	5499.49	5501.24	344.47	95.00	0.37	199.65	5512.01	3.58	MWD Run 2
181	15857.00	89.27	0.59	10604.93	5593.46	5595.21	345.00	94.00	3.27	199.65	5605.84	3.53	MWD Run 2
182	15951.00	89.63	0.94	10605.83	5687.44	5689.20	346.25	94.00	0.53	201.41	5699.73	3.48	MWD Run 2
183	16045.00	88.88	1.29	10607.06	5781.40	5783.17	348.08	94.00	0.88	203.18	5793.64	3.44	MWD Run 2
184	16139.00	86.99	0.24	10610.45	5875.32	5877.10	349.33	94.00	2.30	203.18	5887.47	3.40	MWD Run 2
185	16234.00	89.98	0.06	10612.96	5970.28	5972.06	349.58	95.00	3.15	199.65	5982.28	3.35	MWD Run 2
186	16328.00	90.42	0.41	10612.64	6064.27	6066.05	349.97	94.00	0.60	194.35	6076.14	3.30	MWD Run 2
187	16423.00	91.25	1.55	10611.25	6159.24	6161.03	351.60	95.00	1.49	201.41	6171.05	3.27	MWD Run 2
188	16517.00	88.97	1.73	10611.07	6253.18	6254.98	354.29	94.00	2.44	194.35	6265.01	3.24	MWD Run 2
189	16611.00	89.01	1.73	10612.73	6347.10	6348.92	357.13	94.00	0.05	199.65	6358.96	3.22	MWD Run 2
190	16705.00	87.43	1.03	10615.65	6441.02	6442.85	359.39	94.00	1.84	201.41	6452.86	3.19	MWD Run 2
191	16799.00	88.57	0.06	10618.93	6534.95	6536.78	360.28	94.00	1.59	201.41	6546.71	3.15	MWD Run 2
192	16893.00	89.76	358.83	10620.30	6628.93	6630.77	359.37	94.00	1.82	0.00	6640.50	3.10	MWD Run 2
193	16988.00	89.49	359.09	10620.92	6723.92	6725.75	357.65	95.00	0.39	197.88	6735.25	3.04	MWD Run 2
194	17082.00	89.63	358.21	10621.64	6817.90	6819.72	355.44	94.00	0.95	201.41	6828.98	2.98	MWD Run 2
195	17176.00	89.45	357.51	10622.40	6911.85	6913.65	351.93	94.00	0.77	203.18	6922.60	2.91	MWD Run 2
196	17270.00	93.05	358.21	10620.35	7005.76	7007.55	348.43	94.00	3.91	203.18	7016.20	2.85	MWD Run 2
197	17364.00	91.25	0.24	10616.81	7099.68	7101.46	347.16	94.00	2.88	192.59	7109.94	2.80	MWD Run 2
198	17459.00	90.59	359.71	10615.28	7194.67	7196.45	347.12	95.00	0.89	201.41	7204.82	2.76	MWD Run 2
199	17553.00	91.38	359.53	10613.66	7288.65	7290.43	346.49	94.00	0.86	204.94	7298.66	2.72	MWD Run 2
200	17647.00	93.32	359.71	10609.80	7382.57	7384.35	345.87	94.00	2.07	206.71	7392.44	2.68	MWD Run 2
201	17741.00	91.65	359.80	10605.73	7476.48	7478.25	345.47	94.00	1.78	190.82	7486.23	2.64	MWD Run 2
202	17835.00	88.48	1.12	10605.62	7570.45	7572.24	346.21	94.00	3.65	203.18	7580.15	2.62	MWD Run 2
203	17928.00	88.53	359.71	10608.05	7663.41	7665.20	346.88	93.00	1.51	204.94	7673.05	2.59	MWD Run 2
204	18023.00	87.60	359.71	10611.25	7758.36	7760.14	346.40	95.00	0.97	199.65	7767.87	2.56	MWD Run 2
205	18116.00	86.90	358.83	10615.71	7851.25	7853.03	345.22	93.00	1.21	204.94	7860.61	2.52	MWD Run 2
206	18210.00	87.30	358.83	10620.47	7945.12	7946.89	343.30	94.00	0.42	206.71	7954.30	2.47	MWD Run 2
207	18304.00	86.68	358.13	10625.41	8038.96	8040.72	340.81	94.00	0.99	206.71	8047.94	2.43	MWD Run 2
208	18328.00	86.99	357.78	10626.73	8062.91	8064.67	339.95	24.00	1.94	206.71	8071.83	2.41	MWD Run 2
PTB	18383.00	86.99	357.78	10629.62	8117.81	8119.56	337.82	55.00	0.01	0.00	8126.58	2.38	MWD Run 2