

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Adrienne Sandoval, Division Director
Oil Conservation Division



Notice of C-104 Denial and Request for Information

OCD denies your C-104 – *Request for Allowable and Authorization to Transport* because it is incomplete or conflicts with other information provided to OCD.

The sale or transport of product without a C-104 approved by OCD violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC.

To avoid an enforcement action, you must submit the indicated information no later than 30 days after receipt of this notice.

Test Allowable, New Well and Recompleted Well

Amend C-104

- ☐ C-103 (or BLM equivalent) for all casing strings
 - ☐ Spud Notice
 - ☐ Surface Casing
 - ☐ Intermediate Casing (if applicable)
 - ☐ Additional Intermediate Casing (if applicable)
 - ☐ Production Casing or Liner

☐ Applicable Order (NSL, NSP, Other _____)

☐ Deviation Survey for Vertical Wells

☐ Directional Survey

☒ C-102 (As-Drilled Plat for Horizontal Well) *(Fill in req. boxes)*

New Well and Recompleted Well Only

☒ C-103 Completion Sundry (or BLM equivalent)

Accepted or Approved Copies

☒ C-105 Completion Report (or BLM equivalent)

☐ All Logs Run on Well

If you have any questions please contact the local OCD District Office

RECEIVED

NOV 20 2019

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Devon Energy Production Company, L.P. 333 West Sheridan, Oklahoma City, OK 73102		² OGRID Number 6137
		³ Reason for Filing Code/ Effective Date NW / 10/15/19
⁴ API Number 30-015-45652	⁵ Pool Name JENNINGS; BONE SPRING; Bone Spring	⁶ Pool Code 97860
⁷ Property Code	⁸ Property Name LUSITANO 27-34 FED COM	⁹ Well Number 333H

II. 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
C	27	25S	31E		235	North	1732	West	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	34	25S	31E		1298	North	2237	West	EDDY
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 10/15/19	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
036785	DCP Midstream P.O. Box 50020 Midland, TX 79710-0020	Gas
174238	Enterprise 201 Park Avenue, Ste 1600 Oklahoma City, OK 73102	Oil
371960	Lucid Energy Delaware, LLC 3100 McKinnon St., Ste. 800, Dallas, TX 75201	Gas
320009	EnLink Midstream Operating, LP 2501 Cedar Springs Road, Suite 100, Dallas, TX 75201	Oil

IV. Well Completion Data

²¹ Spud Date 3/17/19 ✓	²² Ready Date 10/15/19	²³ TD 17976	²⁴ PBTD 17891	²⁵ Perforations 11716 - 17881	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	920	930		
12-1/4"	9-5/8"	10102	2231		
7- 7/8"	5-1/2"	17954	1473		
	Tubing: 2-7/8"	11420			

* V. Well Test Data

³¹ Date New Oil 10/15/19	³² Gas Delivery Date 10/15/19	³³ Test Date 11/5/19	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 0 psi	³⁶ Csg. Pressure 0 psi
³⁷ Choke Size	³⁸ Oil 1106 bbl	³⁹ Water 4724 bbl	⁴⁰ Gas 4278 mcf	⁴¹ Test Method	

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Jenny Harms*

Printed name: Jenny Harms

Title: Regulatory Analyst

E-mail Address: Jenny.Harms@dvn.com

Date: 11/18/2019 Phone: 405-552-6560

OIL CONSERVATION DIVISION

DENIED

See Attached Cover Sheet

RECEIVED

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
97860	JENNINGS; BONE SPRING, WEST	
Property Code	Property Name	Well Number
	LUSITANO 27-34 FED COM	333H
OGRID No.	Operator Name	Elevation
6137	DEVON ENERGY PRODUCTION COMPANY, L.P.	3335.2

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	27	25 S	31 E		235	NORTH	1732	WEST	EDDY

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	34	25 S	31 E		1298	NORTH	2237	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
200			

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.

NW CORNER SEC. 27 LAT. = 32.1085472°N LONG. = 103.7744766°W NMSP EAST (FT) N = 403674.44 E = 714373.23 W/4 CORNER SEC. 27 LAT. = 32.1012701°N LONG. = 103.7745461°W NMSP EAST (FT) N = 401027.04 E = 714363.41 SW CORNER SEC. 27 LAT. = 32.0939875°N LONG. = 103.7746027°W NMSP EAST (FT) N = 398377.70 E = 714362.31 W/4 CORNER SEC. 34 LAT. = 32.0867157°N LONG. = 103.7746027°W NMSP EAST (FT) N = 395732.35 E = 714375.33 SW CORNER SEC. 34 LAT. = 32.0794255°N LONG. = 103.7746047°W NMSP EAST (FT) N = 393080.31 E = 714388.46		N89°39'25"E 2652.26 FT N89°38'30"E 2653.78 FT N/4 CORNER SEC. 27 LAT. = 32.1085528°N LONG. = 103.7659126°W NMSP EAST (FT) N = 403690.32 E = 717024.86 AS-DRILLED KOP 96' FNL, 2153' FWL LAT. = 32.1082884°N LONG. = 103.765261°W NMSP EAST (FT) N = 403591.51 E = 716525.79 LUSITANO 27-34 FED 333H ELBV. = 3335.2' LAT. = 32.1079050°N (NAD83) LONG. = 103.7688899°W NMSP EAST (FT) N = 403449.84 E = 716104.25 AS-DRILLED FIRST TAKE POINT 337' FNL, 2198' FWL LAT. = 32.1076241°N LONG. = 103.7673876°W NMSP EAST (FT) N = 403350.09 E = 716589.95 S/4 CORNER SEC. 27 LAT. = 32.0940045°N LONG. = 103.7660218°W NMSP EAST (FT) N = 398397.72 E = 717018.31 AS-DRILLED BOTTOM OF HOLE LAT. = 32.0904337°N LONG. = 103.7673793°W NMSP EAST (FT) N = 397098.54 E = 716605.32 NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE "NORTH" AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE VERTICAL DATUM NAVD83.		NE CORNER SEC. 27 LAT. = 32.1085597°N LONG. = 103.7573438°W NMSP EAST (FT) N = 403706.92 E = 719678.01 E/4 CORNER SEC. 27 LAT. = 32.1012955°N LONG. = 103.7573925°W NMSP EAST (FT) N = 401064.23 E = 719677.04 SE CORNER SEC. 27 LAT. = 32.0940174°N LONG. = 103.7574330°W NMSP EAST (FT) N = 398416.53 E = 719678.63 E/4 CORNER SEC. 34 LAT. = 32.0867362°N LONG. = 103.7574361°W NMSP EAST (FT) N = 395767.78 E = 719691.82 SE CORNER SEC. 34 LAT. = 32.0794666°N LONG. = 103.7574361°W NMSP EAST (FT) N = 393123.21 E = 719705.93	
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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.

Jenny Harms 11-18-2019
Signature Date

Jenny Harms
Printed Name
Jenny.harms@dvn.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.

DECEMBER 7, 2018
Date of Survey

MON F. JARAMILLO
Signature and Seal of Professional Surveyor
Certificate Number MON F. JARAMILLO 12797
NO. 6428A

RECEIVED

NOV 20 2019

DISTRICT 7 - ARTESIA O.C.D.

Intent ☐ As Drilled ☒

API #

Operator Name:

DEVON

Property Name:

LUSITANO 27-34 FED

Well Number

333H

Kick Off Point (KOP)

UL C	Section 27	Township 25S	Range 31E	Lot	Feet 96	From N/S NORTH	Feet 2153	From E/W WEST	County EDDY
Latitude 32.1082884					Longitude 103.7675261			NAD 83	

First Take Point (FTP)

UL C	Section 27	Township 25S	Range 31E	Lot	Feet 337	From N/S NORTH	Feet 2198	From E/W WEST	County EDDY
Latitude 32.1076241					Longitude 103.7673876			NAD 83	

Last Take Point (LTP)

UL C	Section 34	Township 25S	Range 31E	Lot	Feet 1203	From N/S NORTH	Feet 2235	From E/W WEST	County EDDY
Latitude 32.0906946					Longitude 103.7673870			NAD 83	

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

no

Is this well an infill well?

yes

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

API #

Operator Name:

Property Name:

Well Number

KZ 06/29/2018



Total Directional
Services, LLC
USA Operations

Final MWD Survey Certification

Lea County, New Mexico

Client: Devon Energy

Well Name: Lusitano 27-34 Fed Com 333H

Total Job No: 2019-166-129

API No: 30-015-45652

Start Date: 04/05/2019

End Date: 05/02/2019

Measured Start Depth: 120 feet

Measured End Depth: 17976 feet

Vertical Section from well center at TD: 6374.33 Feet

I, Cayden Ferguson, MWD Operator, hereby certify that; I am employed by Total Directional Services, LLC and we conducted or supervised the taking of these open hole MWD surveys at the request of this client. This data is true, correct, complete and within the limitations of the tool as set forth by Total Directional Services, LLC. I am authorized and qualified to make this report and have reviewed this report and find that it conforms to the principals and procedures as set forth by Total Directional Services, LLC.

Date: 05/02/2019

Signed: *Cayden Ferguson*

DIRECTIONAL SURVEY REPORT

Company name: Devon Energy

Start date: 04/05/2019

Well name: Lusitano 27-34 Fed Com 333H

End date: 05/02/2019

Field: Purple Sage (Wolfcamp)

Proposed direction: 175.74

Rig: Catcus 129

Declination: 6.55

API/UWI: 30-015-45652

North Reference: Grid

State/Province: New Mexico

Latitude/Longitude: 32.107905

County/Parish: Eddy

KB: 3365.2

Location New Mexico East

SVY	Depth	Inc	Azm	TVD	VS	NS	EW	CD	CA	DLS
Tiein	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00
1	213.00	0.50	330.10	213.00	-0.84	0.81	-0.46	0.93	330.10	0.23
2	304.00	0.60	4.60	303.99	-1.67	1.62	-0.62	1.74	339.02	0.37
3	394.00	0.70	333.90	393.99	-2.64	2.59	-0.83	2.72	342.28	0.40
4	487.00	0.60	320.20	486.98	-3.57	3.47	-1.39	3.74	338.20	0.20
5	579.00	0.90	296.10	578.97	-4.32	4.16	-2.35	4.78	330.58	0.47
6	670.00	1.40	283.40	669.96	-5.02	4.73	-4.07	6.24	319.31	0.61
7	761.00	1.90	288.80	760.92	-5.95	5.48	-6.58	8.56	309.78	0.57
8	854.00	2.00	302.60	853.86	-7.53	6.85	-9.41	11.63	306.06	0.51
9	966.00	2.20	305.90	965.79	-10.09	9.16	-12.79	15.73	305.61	0.21
10	1059.00	2.20	343.40	1058.73	-12.98	11.92	-14.75	18.96	308.94	1.52
11	1152.00	3.20	13.80	1151.63	-17.19	16.15	-14.64	21.80	317.81	1.84
12	1244.00	3.40	50.00	1243.48	-21.23	20.40	-11.94	23.63	329.66	2.24
13	1337.00	4.80	76.80	1336.25	-23.44	23.06	-6.04	23.84	345.33	2.51
14	1428.00	5.20	96.00	1426.91	-23.30	23.50	1.77	23.56	4.31	1.88
15	1519.00	5.10	123.70	1517.56	-20.08	20.82	9.24	22.78	23.93	2.71
16	1611.00	6.20	144.60	1609.12	-13.31	14.50	15.52	21.24	46.94	2.52
17	1703.00	5.50	158.50	1700.64	-4.85	6.35	20.01	21.00	72.40	1.71
18	1798.00	4.60	156.70	1795.27	3.10	-1.38	23.19	23.23	93.42	0.96
19	1893.00	2.80	150.30	1890.07	8.80	-6.90	25.85	26.75	104.94	1.94
20	1989.00	2.20	152.50	1985.98	12.61	-10.57	27.86	29.80	110.78	0.63
21	2084.00	1.00	145.60	2080.94	15.00	-12.87	29.17	31.88	113.81	1.28
22	2179.00	0.80	321.70	2175.94	15.17	-13.04	29.23	32.00	114.04	1.89
23	2274.00	0.80	312.10	2270.93	14.14	-12.07	28.32	30.79	113.08	0.14
24	2370.00	0.50	336.00	2366.92	13.26	-11.24	27.66	29.85	112.11	0.41
25	2465.00	0.90	59.60	2461.92	12.54	-10.48	28.13	30.02	110.44	1.03
26	2560.00	2.60	58.80	2556.87	11.24	-8.99	30.62	31.91	106.36	1.79
27	2656.00	4.30	54.50	2652.69	8.38	-5.77	35.41	35.88	99.25	1.79
28	2751.00	5.20	53.60	2747.36	4.25	-1.15	41.78	41.79	91.57	0.95
29	2847.00	6.10	50.20	2842.90	-1.03	4.70	49.20	49.42	84.54	1.00
30	2942.00	6.80	56.90	2937.30	-6.68	11.00	57.79	58.82	79.22	1.08
31	3037.00	6.30	65.10	3031.68	-11.23	16.27	67.23	69.17	76.40	1.12
32	3133.00	7.70	66.50	3126.96	-15.21	21.05	77.90	80.70	74.88	1.47
33	3228.00	8.40	72.10	3221.03	-18.94	25.72	90.34	93.93	74.11	1.11
34	3324.00	8.60	70.40	3315.97	-22.49	30.28	103.78	108.10	73.73	0.33
35	3419.00	8.50	67.60	3409.92	-26.56	35.34	116.96	122.18	73.19	0.45
36	3514.00	7.60	66.10	3503.98	-30.85	40.56	129.19	135.41	72.57	0.97

37	3610.00	8.40	70.50	3599.04	-34.83	45.48	141.61	148.73	72.20	1.05
38	3705.00	7.90	75.50	3693.09	-37.82	49.43	154.47	162.18	72.26	0.91
39	3800.00	6.90	67.60	3787.30	-40.75	53.24	166.07	174.39	72.23	1.50
40	3896.00	7.10	50.70	3882.59	-45.96	59.19	175.99	185.68	71.41	2.15
41	3991.00	6.90	43.20	3976.88	-53.19	67.07	184.44	196.26	70.02	0.98
42	4086.00	6.00	44.00	4071.28	-60.35	74.80	191.80	205.87	68.69	0.95
43	4182.00	4.90	42.20	4166.85	-66.51	81.45	198.04	214.13	67.64	1.16
44	4277.00	4.60	41.70	4261.52	-71.96	87.30	203.29	221.25	66.76	0.32
45	4373.00	4.00	49.30	4357.25	-76.62	92.36	208.39	227.94	66.10	0.86
46	4468.00	5.80	57.30	4451.90	-80.88	97.11	214.95	235.87	65.69	2.02
47	4564.00	6.00	57.20	4547.39	-85.58	102.45	223.25	245.63	65.35	0.21
48	4659.00	5.60	56.70	4641.91	-90.21	107.68	231.29	255.13	65.03	0.42
49	4754.00	6.20	65.90	4736.40	-94.20	112.32	239.85	264.85	64.91	1.18
50	4849.00	5.60	68.80	4830.90	-97.29	116.10	248.85	274.60	64.99	0.71
51	4944.00	5.60	68.00	4925.45	-100.05	119.51	257.47	283.86	65.10	0.08
52	5039.00	5.30	69.20	5020.02	-102.71	122.80	265.87	292.86	65.21	0.34
53	5135.00	5.10	69.50	5115.62	-105.17	125.87	274.01	301.54	65.33	0.21
54	5230.00	6.40	64.60	5210.14	-108.26	129.62	282.75	311.05	65.37	1.46
55	5325.00	6.00	62.40	5304.59	-112.14	134.19	291.94	321.30	65.31	0.49
56	5421.00	5.70	65.00	5400.09	-115.81	138.53	300.70	331.08	65.26	0.42
57	5517.00	5.20	62.60	5495.65	-119.21	142.55	308.89	340.19	65.23	0.57
58	5612.00	5.40	61.80	5590.25	-122.72	146.64	316.65	348.96	65.15	0.22
59	5707.00	5.30	60.90	5684.83	-126.37	150.89	324.42	357.79	65.06	0.14
60	5802.00	5.20	62.90	5779.43	-129.89	154.98	332.09	366.47	64.98	0.22
61	5898.00	4.90	59.50	5875.06	-133.39	159.05	339.49	374.90	64.90	0.44
62	5993.00	4.30	60.30	5969.76	-136.71	162.87	346.08	382.49	64.80	0.64
63	6088.00	4.00	59.50	6064.51	-139.71	166.32	352.03	389.34	64.71	0.32
64	6184.00	3.60	61.00	6160.30	-142.45	169.48	357.55	395.68	64.64	0.43
65	6279.00	3.40	63.20	6255.12	-144.78	172.19	362.68	401.48	64.60	0.25
66	6374.00	3.30	68.10	6349.96	-146.69	174.48	367.73	407.02	64.62	0.32
67	6470.00	3.00	70.40	6445.81	-148.19	176.36	372.66	412.28	64.67	0.34
68	6565.00	3.80	72.60	6540.64	-149.56	178.13	378.00	417.87	64.77	0.85
69	6660.00	4.10	71.10	6635.42	-151.13	180.17	384.22	424.37	64.88	0.33
70	6756.00	3.70	72.90	6731.19	-152.69	182.20	390.43	430.85	64.98	0.44
71	6851.00	3.30	74.80	6826.02	-153.89	183.81	396.00	436.58	65.10	0.44
72	6946.00	3.00	70.00	6920.87	-155.08	185.38	400.97	441.75	65.19	0.42
73	7042.00	2.80	73.10	7016.75	-156.28	186.92	405.58	446.58	65.26	0.26
74	7137.00	2.60	74.20	7111.65	-157.22	188.18	409.87	451.00	65.34	0.22
75	7233.00	2.50	74.60	7207.55	-158.06	189.33	413.98	455.22	65.42	0.11
76	7328.00	2.20	71.30	7302.47	-158.91	190.47	417.71	459.08	65.49	0.35
77	7423.00	1.90	75.40	7397.41	-159.65	191.45	420.96	462.45	65.54	0.35
78	7519.00	1.90	71.20	7493.36	-160.33	192.36	424.00	465.60	65.60	0.15
79	7614.00	1.80	73.50	7588.31	-161.05	193.29	426.93	468.65	65.64	0.13
80	7710.00	1.60	76.90	7684.26	-161.57	194.03	429.68	471.45	65.70	0.23
81	7805.00	1.20	82.10	7779.24	-161.84	194.46	431.95	473.71	65.76	0.44
82	7900.00	1.20	81.80	7874.22	-161.97	194.74	433.92	475.62	65.83	0.01
83	7996.00	0.80	87.70	7970.20	-162.02	194.91	435.59	477.21	65.89	0.43
84	8091.00	0.80	102.10	8065.19	-161.81	194.80	436.90	478.36	65.97	0.21
85	8186.00	0.80	118.70	8160.18	-161.26	194.34	438.13	479.30	66.08	0.24

86	8281.00	0.50	94.50	8255.18	-160.84	193.99	439.13	480.07	66.17	0.42
87	8377.00	0.50	114.60	8351.17	-160.57	193.78	439.92	480.71	66.23	0.18
88	8472.00	0.10	213.80	8446.17	-160.30	193.54	440.25	480.92	66.27	0.55
89	8567.00	0.10	242.70	8541.17	-160.21	193.44	440.13	480.77	66.27	0.05
90	8663.00	0.70	201.70	8637.17	-159.65	192.85	439.84	480.26	66.32	0.65
91	8758.00	0.80	308.40	8732.16	-159.57	192.72	439.11	479.54	66.30	1.27
92	8853.00	0.40	28.40	8827.16	-160.30	193.43	438.75	479.49	66.21	0.87
93	8948.00	0.30	10.90	8922.16	-160.82	193.96	438.95	479.90	66.16	0.15
94	9044.00	0.90	294.70	9018.15	-161.43	194.53	438.31	479.54	66.07	0.91
95	9139.00	1.40	299.50	9113.13	-162.44	195.41	436.63	478.36	65.89	0.54
96	9234.00	1.10	272.40	9208.11	-163.19	196.02	434.71	476.86	65.73	0.69
97	9330.00	1.30	258.60	9304.09	-163.16	195.84	432.72	474.97	65.65	0.36
98	9425.00	1.30	256.00	9399.07	-162.84	195.37	430.61	472.86	65.60	0.06
99	9536.00	1.30	259.60	9510.04	-162.49	194.84	428.15	470.40	65.53	0.07
100	9631.00	1.00	274.50	9605.02	-162.51	194.71	426.27	468.63	65.45	0.44
101	9726.00	0.80	294.50	9700.01	-162.95	195.05	424.84	467.47	65.34	0.39
102	9821.00	0.80	289.90	9795.00	-163.54	195.55	423.61	466.57	65.22	0.07
103	9916.00	1.10	267.90	9889.99	-163.85	195.74	422.08	465.26	65.12	0.49
104	10011.00	1.40	251.70	9984.96	-163.60	195.34	420.06	463.26	65.06	0.48
105	10058.00	1.60	255.50	10031.95	-163.34	195.00	418.88	462.05	65.04	0.48
106	10192.00	1.50	244.40	10165.90	-162.37	193.77	415.49	458.45	65.00	0.24
107	10288.00	1.70	245.10	10261.86	-161.41	192.63	413.07	455.77	65.00	0.21
108	10383.00	1.80	243.40	10356.82	-160.35	191.37	410.45	452.87	65.00	0.12
109	10478.00	1.70	233.30	10451.77	-159.03	189.86	407.99	450.00	65.05	0.34
110	10573.00	1.60	238.80	10546.73	-157.67	188.33	405.72	447.30	65.10	0.20
111	10668.00	0.70	161.60	10641.72	-156.51	187.09	404.77	445.92	65.19	1.68
112	10764.00	1.30	167.20	10737.70	-154.86	185.47	405.20	445.63	65.40	0.63
113	10859.00	1.30	150.90	10832.68	-152.82	183.48	405.96	445.50	65.68	0.39
114	10954.00	1.30	135.70	10927.65	-151.01	181.77	407.24	445.96	65.95	0.36
115	11050.00	2.40	161.70	11023.60	-148.23	179.08	408.63	446.15	66.33	1.41
116	11145.00	9.70	160.10	11118.01	-138.58	169.65	411.98	445.55	67.62	7.69
117	11240.00	12.50	161.60	11211.22	-120.90	152.37	417.95	444.86	69.97	2.96
118	11335.00	14.70	160.40	11303.56	-99.30	131.26	425.24	445.04	72.85	2.33
119	11430.00	20.60	164.80	11394.05	-71.25	103.75	433.68	445.91	76.55	6.36
120	11476.00	30.60	162.70	11435.48	-51.84	84.71	439.30	447.39	79.09	21.83
121	11525.00	41.80	166.70	11474.96	-23.47	56.82	446.79	450.38	82.75	23.35
122	11572.00	48.80	170.70	11508.01	9.66	24.08	453.26	453.89	86.96	16.07
123	11620.00	55.30	171.60	11537.51	47.37	-13.30	459.06	459.26	91.66	13.62
124	11716.00	75.40	178.90	11577.39	134.09	-99.77	465.80	476.36	102.09	22.03
125	11814.00	86.70	181.90	11592.62	230.41	-196.40	465.08	504.85	112.89	11.92
126	11910.00	89.90	180.50	11595.46	325.92	-292.33	463.07	547.62	122.26	3.64
127	12005.00	90.20	180.10	11595.38	420.61	-387.32	462.58	603.32	129.94	0.53
128	12097.00	90.20	179.80	11595.06	512.37	-479.32	462.66	666.18	136.01	0.33
129	12193.00	90.30	179.10	11594.64	608.16	-575.32	463.58	738.85	141.14	0.74
130	12288.00	88.80	177.00	11595.39	703.07	-670.25	466.81	816.79	145.14	2.72
131	12383.00	90.90	177.00	11595.64	798.05	-765.12	471.78	898.88	148.34	2.21
132	12478.00	91.50	179.20	11593.65	892.94	-860.04	474.93	982.46	151.09	2.40
133	12573.00	91.00	179.20	11591.57	987.74	-955.00	476.26	1067.17	153.49	0.53
134	12669.00	90.30	178.90	11590.48	1083.58	-1050.98	477.85	1154.52	155.55	0.79

135	12764.00	91.80	179.90	11588.74	1178.36	-1145.96	478.84	1241.98	157.32	1.90
136	12859.00	91.30	179.90	11586.17	1273.08	-1240.92	479.01	1330.17	158.89	0.53
137	12956.00	90.40	180.10	11584.73	1369.80	-1337.91	479.01	1421.08	160.30	0.95
138	13050.00	89.70	180.40	11584.65	1463.51	-1431.91	478.60	1509.78	161.52	0.81
139	13145.00	91.40	179.30	11583.74	1558.25	-1526.90	478.85	1600.22	162.59	2.13
140	13241.00	91.30	179.30	11581.48	1654.04	-1622.87	480.02	1692.37	163.52	0.10
141	13336.00	90.50	179.80	11579.99	1748.82	-1717.85	480.77	1783.86	164.36	0.99
142	13431.00	89.90	179.60	11579.66	1843.59	-1812.85	481.26	1875.64	165.13	0.67
143	13526.00	91.60	178.70	11578.41	1938.41	-1907.83	482.67	1967.94	165.80	2.02
144	13622.00	91.10	178.60	11576.15	2034.26	-2003.77	484.93	2061.62	166.40	0.53
145	13717.00	90.10	177.80	11575.16	2129.16	-2098.72	487.92	2154.69	166.91	1.35
146	13812.00	89.30	177.20	11575.65	2224.12	-2193.62	492.06	2248.14	167.36	1.05
147	13907.00	89.70	177.80	11576.48	2319.07	-2288.53	496.20	2341.71	167.77	0.76
148	14003.00	90.70	178.60	11576.15	2414.98	-2384.48	499.22	2436.18	168.18	1.33
149	14098.00	91.60	179.00	11574.24	2509.82	-2479.44	501.21	2529.59	168.57	1.04
150	14193.00	92.10	181.50	11571.17	2604.47	-2574.38	500.79	2622.64	168.99	2.68
151	14288.00	91.90	182.20	11567.86	2698.87	-2669.27	497.73	2715.28	169.44	0.77
152	14383.00	91.60	181.40	11564.96	2793.29	-2764.18	494.75	2808.11	169.85	0.90
153	14479.00	91.00	181.30	11562.78	2888.81	-2860.13	492.49	2902.22	170.23	0.63
154	14574.00	90.70	180.50	11561.37	2983.41	-2955.11	490.99	2995.62	170.57	0.90
155	14669.00	90.90	182.50	11560.04	3077.92	-3050.06	488.51	3088.93	170.90	2.12
156	14764.00	88.20	182.90	11560.79	3172.21	-3144.94	484.03	3181.97	171.25	2.87
157	14860.00	87.40	182.30	11564.47	3267.45	-3240.77	479.68	3276.08	171.58	1.04
158	14955.00	87.30	181.90	11568.87	3361.76	-3335.61	476.20	3369.43	171.88	0.43
159	15050.00	88.90	182.00	11572.02	3456.15	-3430.50	472.97	3462.95	172.15	1.69
160	15145.00	89.50	181.00	11573.34	3550.66	-3525.45	470.49	3556.71	172.40	1.23
161	15241.00	88.50	180.80	11575.02	3646.26	-3621.42	468.98	3651.66	172.62	1.06
162	15336.00	89.70	179.90	11576.51	3740.93	-3716.41	468.40	3745.81	172.82	1.58
163	15431.00	92.20	181.30	11574.93	3835.57	-3811.38	467.41	3839.93	173.01	3.02
164	15526.00	92.50	180.80	11571.04	3930.08	-3906.28	465.67	3933.94	173.20	0.61
165	15621.00	92.10	180.30	11567.23	4024.67	-4001.20	464.75	4028.10	173.37	0.67
166	15716.00	91.40	180.10	11564.33	4119.34	-4096.16	464.42	4122.40	173.53	0.77
167	15812.00	88.90	180.70	11564.07	4215.01	-4192.15	463.75	4217.72	173.69	2.68
168	15907.00	87.50	180.10	11567.06	4309.65	-4287.09	463.09	4312.03	173.83	1.60
169	16002.00	87.70	179.00	11571.04	4404.35	-4382.01	463.84	4406.49	173.96	1.18
170	16097.00	88.20	178.40	11574.43	4499.17	-4476.92	465.99	4501.11	174.06	0.82
171	16193.00	89.20	178.60	11576.61	4595.03	-4572.86	468.50	4596.80	174.15	1.06
172	16288.00	89.70	178.60	11577.52	4689.91	-4667.83	470.82	4691.51	174.24	0.53
173	16383.00	92.70	179.20	11575.54	4784.73	-4762.78	472.65	4786.17	174.33	3.22
174	16478.00	93.20	179.30	11570.65	4879.43	-4857.64	473.89	4880.70	174.43	0.54
175	16574.00	91.50	180.90	11566.71	4975.06	-4953.56	473.72	4976.16	174.54	2.43
176	16669.00	91.70	180.90	11564.06	5069.64	-5048.51	472.23	5070.55	174.66	0.21
177	16764.00	89.60	179.30	11562.98	5164.35	-5143.49	472.06	5165.11	174.76	2.78
178	16860.00	89.10	178.70	11564.07	5260.19	-5239.47	473.74	5260.84	174.83	0.81
179	16955.00	89.30	178.90	11565.39	5355.04	-5334.44	475.73	5355.61	174.90	0.30
180	17050.00	92.70	180.20	11563.74	5449.80	-5429.41	476.47	5450.28	174.98	3.83
181	17146.00	92.00	179.80	11559.80	5545.45	-5525.33	476.47	5545.83	175.07	0.84
182	17241.00	91.10	178.90	11557.23	5640.23	-5620.28	477.55	5640.54	175.14	1.34
183	17337.00	90.20	177.90	11556.14	5736.12	-5716.24	480.23	5736.37	175.20	1.40

184	17432.00	89.30	177.30	11556.56	5831.07	-5811.15	484.21	5831.29	175.24	1.14
185	17527.00	90.90	178.30	11556.39	5926.00	-5906.08	487.86	5926.19	175.28	1.99
186	17623.00	91.30	177.90	11554.55	6021.90	-6002.01	491.04	6022.06	175.32	0.59
187	17718.00	92.70	178.60	11551.23	6116.75	-6096.90	493.94	6116.88	175.37	1.65
188	17813.00	91.80	178.50	11547.50	6211.56	-6191.80	496.34	6211.66	175.42	0.95
189	17921.00	91.60	178.20	11544.30	6319.40	-6299.70	499.45	6319.47	175.47	0.33
PTB	17976.00	91.60	178.20	11542.76	6374.33	-6354.66	501.18	6374.39	175.49	0.00