

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

30-015-45656

- ☐ 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 *Certified*

☐ C-102 (As-Drilled Plat for Horizontal Well)

New Well and Recompleted Well Only

☒ C-103 Completion Sundry (or BLM equivalent) /

☒ C-105 Completion Report (or BLM equivalent) *Amend*

☐ All Logs Run on Well

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

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

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

RECEIVED

NOV. 20 2019

Form C-104
Revised August 1, 2011

DISTRICT/ARTESIA/OCDD

☐ 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 / 10/17/19
⁴ API Number 30-01545656	⁵ Pool Name PURPLE SAGE; WOLFCAMP	⁶ Pool Code 98220
⁷ Property Code	⁸ Property Name LUSITANO 27-34 FED COM	⁹ Well Number 622H

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	255	31E		235	North	1702	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	255	31E		986	North	1633	West	EDDY
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 10/17/19	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
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
051618	Enterprise Field Services, LLC P.O. Box 4324 Houston, TX 77210-4324	Gas

IV. Well Completion Data

²¹ Spud Date 3/16/19	²² Ready Date 10/17/19	²³ TD 17765	²⁴ PBTD 17739	²⁵ Perforations 12020-17740	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement	
17-1/2"	13-3/8"	917		931	
9-7/8"	8-5/8"	10725		2324	
7-7/8"	5-1/2"	17755		1706	
	Tubing: 2 - 7/8"	11400			

V. Well Test Data

³¹ Date New Oil 10/17/19	³² Gas Delivery Date 10/17/19	³³ Test Date 11/7/19	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 0 psi	³⁶ Csg. Pressure 0 psi
³⁷ Choke Size	³⁸ Oil 1511 bbl	³⁹ Water 4333 bbl	⁴⁰ Gas 6026 mcf	⁴¹ Test Method	

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

Appro

Title:

Appro

DENIED

See Attached Cover Sheet

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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

¹ API Number	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code	⁵ Property Name LUSITANO 27-34 FED COM	⁶ Well Number 622H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3334.9

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	25 S	31 E		235	NORTH	1702	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	34	25 S	31 E		986	NORTH	1633	WEST	EDDY

¹² Dedicated Acres 200	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.

NW CORNER SEC. 27 LAT. = 32.1065472N LONG. = 103.7744766W NMSP EAST (FT) N = 403674.44 E = 714373.23 W/4 CORNER SEC. 27 LAT. = 32.1012701N LONG. = 103.7745461W NMSP EAST (FT) N = 401027.04 E = 714365.41 SW CORNER SEC. 27 LAT. = 32.0939875N LONG. = 103.7746005W NMSP EAST (FT) N = 398377.70 E = 714362.31 W/4 CORNER SEC. 34 LAT. = 32.0867157N LONG. = 103.7746027W NMSP EAST (FT) N = 395732.35 E = 714375.33 SW CORNER SEC. 34 LAT. = 32.0794255N LONG. = 103.7746047W NMSP EAST (FT) N = 393080.31 E = 714388.46		N89°39'25"E 2652.26 FT N89°38'30"E 2653.78 FT KOP 1702' SHL 235' FTP AS-DRILLED KOP 58' FNL 1641' FWL LAT. = 32.1083904N LONG. = 103.769792W NMSP EAST (FT) N = 403625.95 E = 716013.74 LUSITANO 27-34 FED 622H EL. V. = 3334.9' LAT. = 32.1079050N (NAD83) LONG. = 103.7689868W NMSP EAST (FT) N = 403449.65 E = 716074.23 AS-DRILLED FIRST TAKE POINT 553' FNL 1658' FWL LAT. = 32.1070313N LONG. = 103.7691387W NMSP EAST (FT) N = 403131.57 E = 716028.87 S/4 CORNER SEC. 27 LAT. = 32.0940085N LONG. = 103.766018W NMSP EAST (FT) N = 398397.72 E = 717018.9 S/4 CORNER SEC. 34 LAT. = 32.0794430N LONG. = 103.7660268W NMSP EAST (FT) N = 393100.55 E = 717045.23 AS-DRILLED BOTTOM HOLE LAT. = 32.0912884N LONG. = 103.7693294W NMSP EAST (FT) N = 397404.30 E = 715999.78 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 ADJUSTED TO THE SURFACE. VERTICAL DATUM NAVD83. S89°34'05"W 2657.26 FT S89°35'41"W 2660.37 FT LTP 1633' BHL S89°33'49"W 2657.43 FT S89°30'43"W 2661.38 FT		NE CORNER SEC. 27 LAT. = 32.1085597N LONG. = 103.7573438W NMSP EAST (FT) N = 403706.92 E = 719678.01 E/4 CORNER SEC. 27 LAT. = 32.1012955N LONG. = 103.7573925W NMSP EAST (FT) N = 401064.23 E = 719677.04 SE CORNER SEC. 27 LAT. = 32.0940174N LONG. = 103.7574330W NMSP EAST (FT) N = 398416.53 E = 719678.63 E/4 CORNER SEC. 34 LAT. = 32.0867362N LONG. = 103.7574361W NMSP EAST (FT) N = 395767.78 E = 719691.82 SE CORNER SEC. 34 LAT. = 32.0794666N LONG. = 103.7574361W NMSP EAST (FT) N = 393123.21 E = 719705.93		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>Jenny Harms</i> 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 17, 2018 Date of Survey <i>William F. Jaramila</i> Signature of Professional Surveyor Certificate Number: 12797 Professional Surveyor No. 6429C
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NOV 20 2019

Intent ☐ As Drilled ☒

DISTRICT//ARTESIAO.C.D.

API #		
Operator Name: DEVON	Property Name: LUSITANO 27-34 FED	Well Number 622H

Kick Off Point (KOP)

UL C	Section 27	Township 25S	Range 31E	Lot	Feet 58	From N/S NORTH	Feet 1641	From E/W WEST	County EDDY
Latitude 32.1083904					Longitude 103.7691792			NAD 83	

First Take Point (FTP)

UL C	Section 27	Township 25S	Range 31E	Lot	Feet 553	From N/S NORTH	Feet 1658	From E/W WEST	County EDDY
Latitude 32.1070313					Longitude 103.7691387			NAD 83	

Last Take Point (LTP)

UL C	Section 34	Township 25S	Range 31E	Lot	Feet 951	From N/S NORTH	Feet 1633	From E/W WEST	County EDDY
Latitude 32.0913845					Longitude 103.7693310			NAD 83	

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

☒ yes

Is this well an infill well?

☐ no

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 622H

Total Job No: 2019-167-129

API No: 30-015-45656

Start Date: 03/15/2019

End Date: 05/15/2019

Measured Start Depth: 90 feet

Measured End Depth: 17,765 feet

Vertical Section from well center at TD: 6,046.72 feet

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NOV 20 2019

DISTRICT 7 - ARTESIA O.C.D.

I, Trey Beeson, 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: 05/15/2019

Signed: *Trey Beeson*

DIRECTIONAL SURVEY REPORT

Company name: Devon Energy

Start date: 04/14/2019

Well name: Lusitano 27-34 Fed Com 622H

End date: 05/15/2019

Field: Purple Sage (Wolfcamp)

Proposed direction: 180.05

Rig: Catcus 129

Declination: 6.55

API/UWI: 3.00155E+13

North Reference: Grid

State/Province: New Mexico

Latitude/Longitude: 32.107905

County/Parish: Eddy

KB: 3364.9

Location SEC 27 / T25S / R31E / NMP

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	150.00	0.60	356.40	150.00	-0.78	0.78	-0.05	0.79	356.40	0.40
2	213.00	0.80	63.60	212.99	-1.31	1.31	0.32	1.35	13.90	1.26
3	304.00	0.80	64.70	303.98	-1.86	1.86	1.47	2.37	38.23	0.02
4	394.00	0.90	54.40	393.97	-2.54	2.54	2.61	3.64	45.75	0.20
5	487.00	0.80	50.90	486.96	-3.38	3.38	3.71	5.02	47.67	0.12
6	579.00	0.50	46.50	578.96	-4.06	4.06	4.50	6.06	47.94	0.33
7	670.00	0.20	6.20	669.96	-4.49	4.49	4.80	6.57	46.93	0.41
8	761.00	0.50	331.80	760.96	-5.00	5.00	4.63	6.81	42.83	0.39
9	854.00	0.30	350.90	853.95	-5.60	5.60	4.40	7.12	38.19	0.26
10	974.00	0.30	300.70	973.95	-6.07	6.07	4.08	7.31	33.94	0.21
11	1067.00	0.70	290.40	1066.95	-6.39	6.39	3.34	7.21	27.60	0.44
12	1158.00	1.10	302.20	1157.94	-7.05	7.05	2.08	7.35	16.44	0.48
13	1249.00	1.00	307.20	1248.92	-7.99	7.99	0.71	8.02	5.06	0.15
14	1341.00	1.20	339.70	1340.90	-9.38	9.38	-0.27	9.39	358.38	0.70
15	1433.00	1.30	341.70	1432.88	-11.28	11.28	-0.93	11.31	355.30	0.12
16	1528.00	1.40	330.50	1527.86	-13.31	13.31	-1.84	13.44	352.14	0.30
17	1623.00	1.50	313.80	1622.83	-15.18	15.18	-3.31	15.54	347.71	0.46
18	1719.00	1.50	317.70	1718.79	-16.98	16.98	-5.06	17.72	343.41	0.11
19	1814.00	1.90	298.90	1813.75	-18.65	18.66	-7.27	20.03	338.70	0.72
20	1909.00	1.60	307.00	1908.71	-20.21	20.22	-9.71	22.43	334.34	0.41
21	2005.00	1.60	304.10	2004.67	-21.77	21.78	-11.89	24.81	331.36	0.08
22	2100.00	2.50	322.40	2099.61	-24.15	24.16	-14.25	28.05	329.46	1.16
23	2195.00	2.80	326.70	2194.51	-27.73	27.74	-16.79	32.43	328.81	0.38
24	2291.00	3.70	339.40	2290.35	-32.59	32.60	-19.17	37.82	329.55	1.20
25	2386.00	3.70	339.70	2385.16	-38.33	38.35	-21.31	43.87	330.94	0.02
26	2481.00	3.50	341.00	2479.97	-43.94	43.96	-23.32	49.77	332.06	0.23
27	2577.00	3.30	341.50	2575.80	-49.33	49.36	-25.15	55.39	333.00	0.21
28	2672.00	3.20	340.30	2670.65	-54.42	54.44	-26.91	60.73	333.70	0.13
29	2767.00	3.50	343.00	2765.48	-59.69	59.71	-28.65	66.23	334.37	0.36
30	2863.00	4.00	352.10	2861.28	-65.81	65.83	-29.97	72.33	335.52	0.81
31	2958.00	4.90	1.50	2955.99	-73.14	73.17	-30.32	79.20	337.49	1.22
32	3054.00	5.00	14.80	3051.64	-81.29	81.31	-29.14	86.38	340.28	1.20
33	3149.00	4.50	25.30	3146.31	-88.66	88.69	-26.49	92.56	343.37	1.05
34	3244.00	4.00	19.60	3241.05	-95.16	95.18	-23.79	98.11	345.97	0.69
35	3340.00	4.10	15.90	3336.81	-101.61	101.63	-21.73	103.93	347.93	0.29
36	3435.00	4.00	1.50	3431.58	-108.19	108.21	-20.71	110.17	349.17	1.07

37	3530.00	3.30	351.00	3526.39	-114.21	114.22	-21.05	116.15	349.56	1.02
38	3626.00	2.20	348.20	3622.27	-118.74	118.76	-21.86	120.75	349.57	1.15
39	3721.00	2.20	8.90	3717.21	-122.32	122.34	-21.95	124.30	349.83	0.83
40	3817.00	2.20	31.50	3813.14	-125.72	125.73	-20.70	127.43	350.65	0.90
41	3912.00	1.20	18.20	3908.09	-128.22	128.23	-19.44	129.70	351.38	1.12
42	4007.00	0.80	357.70	4003.08	-129.83	129.84	-19.15	131.25	351.61	0.56
43	4103.00	0.80	323.20	4099.07	-131.03	131.05	-19.58	132.50	351.50	0.49
44	4198.00	0.90	292.90	4194.06	-131.85	131.87	-20.67	133.48	351.09	0.48
45	4294.00	0.90	280.60	4290.05	-132.28	132.30	-22.10	134.14	350.52	0.20
46	4389.00	2.30	317.90	4385.01	-133.83	133.85	-24.11	136.01	349.79	1.76
47	4484.00	3.90	325.50	4479.87	-137.91	137.93	-27.22	140.59	348.84	1.74
48	4579.00	4.40	329.10	4574.62	-143.69	143.72	-30.92	147.01	347.86	0.59
49	4674.00	4.30	326.00	4669.35	-149.77	149.80	-34.79	153.79	346.93	0.27
50	4770.00	4.10	323.20	4765.09	-155.50	155.53	-38.85	160.31	345.97	0.30
51	4865.00	3.80	322.90	4859.86	-160.72	160.76	-42.79	166.36	345.10	0.32
52	4960.00	3.70	322.70	4954.66	-165.67	165.71	-46.54	172.12	344.31	0.11
53	5056.00	3.30	323.50	5050.48	-170.35	170.40	-50.07	177.60	343.63	0.42
54	5151.00	3.10	322.40	5145.33	-174.58	174.63	-53.26	182.57	343.04	0.22
55	5247.00	2.70	322.90	5241.21	-178.44	178.49	-56.21	187.13	342.52	0.42
56	5342.00	2.40	318.70	5336.12	-181.72	181.77	-58.87	191.06	342.05	0.37
57	5437.00	2.20	323.30	5431.04	-184.67	184.72	-61.27	194.62	341.65	0.29
58	5532.00	2.20	328.40	5525.97	-187.68	187.74	-63.32	198.13	341.36	0.21
59	5628.00	2.20	310.90	5621.90	-190.46	190.52	-65.68	201.52	340.98	0.70
60	5723.00	1.20	281.50	5716.86	-191.85	191.91	-68.03	203.61	340.48	1.36
61	5818.00	0.80	261.30	5811.84	-191.95	192.01	-69.66	204.25	340.06	0.56
62	5914.00	0.90	253.20	5907.83	-191.62	191.69	-71.04	204.43	339.66	0.16
63	6009.00	0.70	247.90	6002.82	-191.19	191.25	-72.29	204.46	339.29	0.22
64	6104.00	1.20	76.30	6097.82	-191.21	191.27	-71.87	204.33	339.41	2.00
65	6200.00	1.30	78.00	6193.80	-191.67	191.73	-69.82	204.05	339.99	0.11
66	6295.00	1.10	67.10	6288.78	-192.25	192.31	-67.93	203.96	340.55	0.32
67	6390.00	1.10	64.10	6383.76	-193.01	193.07	-66.27	204.12	341.06	0.06
68	6486.00	1.10	78.70	6479.74	-193.59	193.65	-64.54	204.12	341.57	0.29
69	6581.00	1.00	72.90	6574.72	-194.02	194.07	-62.85	204.00	342.06	0.15
70	6676.00	0.90	73.00	6669.71	-194.48	194.53	-61.34	203.98	342.50	0.11
71	6772.00	0.80	68.20	6765.70	-194.95	195.00	-60.00	204.03	342.90	0.13
72	6867.00	0.80	72.80	6860.69	-195.39	195.45	-58.75	204.09	343.27	0.07
73	6963.00	0.50	69.10	6956.69	-195.74	195.79	-57.72	204.12	343.57	0.32
74	7058.00	0.60	78.30	7051.68	-195.99	196.04	-56.85	204.12	343.83	0.14
75	7153.00	0.30	82.80	7146.68	-196.12	196.17	-56.11	204.04	344.04	0.32
76	7249.00	0.40	92.90	7242.68	-196.14	196.19	-55.53	203.90	344.20	0.12
77	7344.00	0.50	105.00	7337.67	-196.02	196.06	-54.80	203.58	344.39	0.14
78	7440.00	0.50	131.40	7433.67	-195.63	195.68	-54.08	203.01	344.55	0.24
79	7535.00	0.50	142.40	7528.67	-195.03	195.08	-53.51	202.28	344.66	0.10
80	7630.00	0.50	118.90	7623.66	-194.50	194.55	-52.90	201.61	344.79	0.21
81	7726.00	0.40	112.40	7719.66	-194.17	194.22	-52.22	201.12	344.95	0.12
82	7821.00	0.50	104.90	7814.66	-193.94	193.98	-51.51	200.71	345.13	0.12
83	7916.00	0.50	119.30	7909.65	-193.63	193.68	-50.75	200.21	345.32	0.13
84	8012.00	0.60	143.80	8005.65	-193.02	193.06	-50.09	199.46	345.46	0.26
85	8107.00	0.70	144.40	8100.64	-192.15	192.19	-49.46	198.45	345.57	0.11

86	8202.00	0.80	137.40	8195.63	-191.19	191.23	-48.67	197.33	345.72	0.14
87	8297.00	0.60	153.90	8290.63	-190.25	190.30	-48.00	196.26	345.84	0.30
88	8393.00	0.50	167.60	8386.62	-189.39	189.44	-47.69	195.35	345.87	0.17
89	8488.00	0.20	205.90	8481.62	-188.84	188.88	-47.68	194.81	345.83	0.38
90	8583.00	0.10	257.00	8576.62	-188.67	188.71	-47.83	194.68	345.78	0.17
91	8679.00	1.10	262.90	8672.61	-188.54	188.58	-48.83	194.80	345.48	1.04
92	8774.00	1.30	262.40	8767.59	-188.28	188.33	-50.80	195.06	344.90	0.21
93	8869.00	0.80	274.10	8862.58	-188.19	188.23	-52.53	195.42	344.41	0.57
94	8965.00	1.30	278.40	8958.56	-188.39	188.44	-54.27	196.10	343.93	0.53
95	9060.00	1.10	269.90	9053.54	-188.54	188.59	-56.25	196.80	343.39	0.28
96	9155.00	0.80	227.30	9148.53	-188.09	188.14	-57.65	196.78	342.96	0.78
97	9250.00	1.00	201.50	9243.52	-186.87	186.92	-58.44	195.85	342.64	0.47
98	9345.00	1.20	202.30	9338.50	-185.18	185.23	-59.12	194.44	342.30	0.21
99	9440.00	1.30	201.80	9433.48	-183.26	183.31	-59.90	192.85	341.90	0.11
100	9535.00	0.80	207.80	9528.46	-181.67	181.72	-60.61	191.56	341.55	0.54
101	9631.00	0.90	207.10	9624.45	-180.40	180.46	-61.27	190.57	341.25	0.10
102	9725.00	0.80	220.20	9718.44	-179.25	179.30	-62.03	189.73	340.92	0.23
103	9820.00	0.70	224.30	9813.43	-178.32	178.38	-62.86	189.13	340.59	0.12
104	9916.00	0.50	205.90	9909.43	-177.53	177.58	-63.45	188.58	340.34	0.29
105	10011.00	0.30	152.20	10004.42	-176.93	176.99	-63.52	188.04	340.26	0.42
106	10106.00	0.30	128.60	10099.42	-176.56	176.61	-63.21	187.58	340.31	0.13
107	10202.00	0.50	286.80	10195.42	-176.52	176.58	-63.41	187.62	340.25	0.82
108	10297.00	0.70	297.20	10290.42	-176.91	176.96	-64.33	188.29	340.02	0.24
109	10392.00	0.60	288.00	10385.41	-177.32	177.38	-65.32	189.02	339.79	0.15
110	10488.00	0.30	203.30	10481.41	-177.25	177.31	-65.89	189.15	339.61	0.67
111	10583.00	1.10	110.40	10576.40	-176.70	176.76	-65.14	188.38	339.77	1.22
112	10678.00	1.90	95.10	10671.37	-176.25	176.30	-62.71	187.12	340.42	0.93
113	10763.00	2.40	84.80	10756.31	-176.29	176.34	-59.54	186.12	341.34	0.74
114	10859.00	1.00	84.30	10852.26	-176.55	176.60	-56.70	185.48	342.20	1.46
115	10954.00	0.90	115.60	10947.25	-176.31	176.36	-55.20	184.80	342.62	0.55
116	11049.00	2.20	202.30	11042.22	-174.30	174.35	-55.22	182.89	342.43	2.45
117	11144.00	2.90	201.70	11137.13	-170.38	170.43	-56.80	179.65	341.57	0.74
118	11240.00	5.10	206.70	11232.89	-164.31	164.36	-59.62	174.84	340.06	2.32
119	11334.00	7.30	196.30	11326.34	-154.84	154.90	-63.17	167.28	337.81	2.62
120	11429.00	22.80	183.60	11417.82	-130.52	130.58	-66.04	146.33	333.17	16.59
121	11525.00	34.00	181.90	11502.13	-84.99	85.04	-68.10	108.95	321.31	11.70
122	11649.00	46.20	179.10	11596.81	-5.28	5.34	-68.55	68.76	274.46	9.94
123	11744.00	51.20	177.90	11659.49	66.04	-65.98	-66.66	93.79	225.29	5.35
124	11840.00	59.40	175.00	11714.10	144.72	-144.66	-61.68	157.26	203.09	8.89
125	11935.00	67.00	173.90	11756.91	229.04	-229.00	-53.45	235.15	193.14	8.07
126	12030.00	74.10	175.70	11788.52	318.19	-318.15	-45.37	321.37	188.12	7.68
127	12125.00	84.90	175.20	11805.81	411.16	-411.12	-37.97	412.87	185.28	11.38
128	12221.00	96.20	179.10	11804.89	506.86	-506.83	-33.20	507.91	183.75	12.45
129	12316.00	96.70	178.80	11794.22	601.24	-601.21	-31.47	602.03	183.00	0.61
130	12411.00	95.40	179.80	11784.20	695.70	-695.67	-30.32	696.33	182.50	1.72
131	12507.00	93.70	181.10	11776.59	791.39	-791.36	-31.07	791.97	182.25	2.23
132	12602.00	92.90	182.60	11771.12	886.18	-886.15	-34.13	886.81	182.21	1.79
133	12697.00	90.80	182.20	11768.05	981.04	-981.01	-38.11	981.75	182.22	2.25
134	12792.00	90.70	181.70	11766.81	1075.98	-1075.95	-41.34	1076.74	182.20	0.54

135	12887.00	90.40	181.40	11765.90	1170.94	-1170.91	-43.91	1171.73	182.15	0.45
136	12983.00	88.60	181.00	11766.74	1266.92	-1266.88	-45.92	1267.71	182.08	1.92
137	13078.00	92.40	182.20	11765.91	1361.86	-1361.82	-48.57	1362.68	182.04	4.19
138	13173.00	90.60	182.20	11763.42	1456.76	-1456.71	-52.22	1457.65	182.05	1.89
139	13269.00	88.10	181.10	11764.51	1552.70	-1552.66	-54.98	1553.63	182.03	2.85
140	13364.00	90.10	181.10	11766.00	1647.67	-1647.62	-56.80	1648.60	181.97	2.11
141	13459.00	91.30	180.70	11764.84	1742.65	-1742.60	-58.29	1743.58	181.92	1.33
142	13554.00	90.90	180.10	11763.02	1837.63	-1837.58	-58.96	1838.53	181.84	0.76
143	13650.00	92.10	180.40	11760.50	1933.60	-1933.55	-59.38	1934.46	181.76	1.29
144	13745.00	91.80	180.10	11757.27	2028.54	-2028.49	-59.79	2029.37	181.69	0.45
145	13840.00	91.30	179.30	11754.70	2123.50	-2123.45	-59.29	2124.28	181.60	0.99
146	13936.00	91.80	179.30	11752.10	2219.46	-2219.41	-58.12	2220.17	181.50	0.52
147	14031.00	92.60	180.00	11748.46	2314.39	-2314.34	-57.54	2315.05	181.42	1.12
148	14126.00	91.00	180.10	11745.47	2409.34	-2409.29	-57.62	2409.98	181.37	1.69
149	14221.00	88.30	179.90	11746.05	2504.33	-2504.28	-57.62	2504.94	181.32	2.85
150	14316.00	88.20	179.30	11748.96	2599.28	-2599.23	-56.96	2599.85	181.26	0.64
151	14412.00	88.00	178.90	11752.14	2695.21	-2695.16	-55.45	2695.73	181.18	0.47
152	14507.00	90.80	179.70	11753.13	2790.19	-2790.14	-54.29	2790.67	181.11	3.07
153	14602.00	94.80	181.10	11748.49	2885.05	-2885.00	-54.95	2885.53	181.09	4.46
154	14697.00	87.30	182.10	11746.75	2979.93	-2979.88	-57.61	2980.44	181.11	7.96
155	14793.00	87.60	181.90	11751.02	3075.78	-3075.73	-60.95	3076.33	181.14	0.38
156	14888.00	88.30	181.40	11754.42	3170.68	-3170.63	-63.69	3171.27	181.15	0.91
157	14983.00	92.00	180.90	11754.17	3265.65	-3265.59	-65.59	3266.25	181.15	3.93
158	15078.00	92.00	181.00	11750.86	3360.58	-3360.52	-67.17	3361.19	181.15	0.11
159	15174.00	90.10	180.00	11749.10	3456.55	-3456.50	-68.00	3457.16	181.13	2.24
160	15269.00	89.00	179.30	11749.85	3551.55	-3551.49	-67.42	3552.13	181.09	1.37
161	15364.00	88.70	179.40	11751.75	3646.52	-3646.46	-66.35	3647.07	181.04	0.33
162	15459.00	91.50	180.30	11751.59	3741.51	-3741.45	-66.10	3742.04	181.01	3.10
163	15554.00	90.20	180.10	11750.18	3836.50	-3836.44	-66.43	3837.01	180.99	1.38
164	15650.00	89.60	179.70	11750.34	3932.49	-3932.44	-66.26	3933.00	180.97	0.75
165	15745.00	88.40	178.70	11752.00	4027.47	-4027.41	-64.94	4027.93	180.92	1.64
166	15840.00	90.00	178.90	11753.33	4122.43	-4122.38	-62.95	4122.86	180.87	1.70
167	15935.00	90.30	179.10	11753.08	4217.42	-4217.36	-61.29	4217.81	180.83	0.38
168	16030.00	90.00	178.80	11752.83	4312.40	-4312.35	-59.55	4312.76	180.79	0.45
169	16126.00	89.80	179.90	11753.00	4408.39	-4408.34	-58.46	4408.73	180.76	1.16
170	16221.00	91.00	179.10	11752.34	4503.38	-4503.33	-57.63	4503.70	180.73	1.52
171	16316.00	90.30	179.40	11751.26	4598.36	-4598.32	-56.39	4598.66	180.70	0.80
172	16411.00	90.10	180.30	11750.93	4693.36	-4693.31	-56.14	4693.65	180.69	0.97
173	16507.00	92.80	181.20	11748.50	4789.31	-4789.26	-57.39	4789.61	180.69	2.96
174	16602.00	92.90	182.20	11743.77	4884.15	-4884.10	-60.21	4884.48	180.71	1.06
175	16697.00	91.30	181.90	11740.29	4979.03	-4978.98	-63.60	4979.38	180.73	1.71
176	16793.00	90.30	181.90	11738.95	5074.97	-5074.91	-66.79	5075.35	180.75	1.04
177	16888.00	89.40	181.60	11739.20	5169.93	-5169.87	-69.69	5170.34	180.77	1.00
178	16983.00	88.10	180.90	11741.27	5264.88	-5264.82	-71.76	5265.31	180.78	1.55
179	17079.00	89.60	180.80	11743.20	5360.85	-5360.79	-73.18	5361.29	180.78	1.57
180	17174.00	90.50	181.20	11743.12	5455.83	-5455.77	-74.84	5456.28	180.79	1.04
181	17269.00	91.80	180.70	11741.21	5550.80	-5550.74	-76.42	5551.26	180.79	1.47
182	17365.00	90.50	180.10	11739.28	5646.78	-5646.71	-77.09	5647.24	180.78	1.49
183	17460.00	89.90	179.40	11738.95	5741.77	-5741.71	-76.67	5742.22	180.77	0.97

184	17556.00	90.80	180.20	11738.37	5837.77	-5837.71	-76.34	5838.21	180.75	1.25
185	17651.00	90.00	179.70	11737.70	5932.77	-5932.70	-76.25	5933.19	180.74	0.99
186	17709.00	88.30	178.90	11738.56	5990.75	-5990.69	-75.54	5991.17	180.72	3.24
PTB	17765.00	88.30	178.90	11740.22	6046.72	-6046.65	-74.47	6047.11	180.71	0.00

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