Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD HOBBS OCD
Hobbs DEC 13 2019
RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMLC070544A

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator: KAISER-FRANCIS OIL COMPANY — Contact: CHARLOTTE VAN VALKENBURG — E-Mail: Charlotv@kfoc.net

8. Lease Name and Well No.: BELL LAKE UNIT NORTH 230H

3. Address: P. O. BOX 21468, TULSA, OK 74121

3a. Phone No. (include area code): Ph: 918-491-4314

9. API Well No.: 30-025-43033

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: NESE 2057FSL 875FEL 32.332030 N Lat, 103.503540 W Lon Sec 6 T23S R34E Mer NMP
At top prod interval reported below: SENE 2539FSL 399FEL 32.333990 N Lat, 103.502010 W Lon Sec 31 T22S R34E Mer NMP
At total depth: NENE 255FNL 396FEL 32.354410 N Lat, 103.501980 W Lon

10. Field and Pool, or Exploratory: OJO CHISO; BONE SPRING SW

11. Sec., T., R., M., or Block and Survey or Area: Sec 6 T23S R34E Mer NMP

12. County or Parish: LEA

13. State: NM

14. Date Spudded: 11/20/2017

15. Date T.D. Reached: 12/31/2017

16. Date Completed: ☐ D & A ☒ Ready to Prod. 03/30/2018

17. Elevations (DF, KB, RT, GL)*: 3458 GL

18. Total Depth: MD 18370 TVD 10226

19. Plug Back T.D.: MD 18275 TVD 10226

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): CLS GR

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	1432		1200	353	0	0
12.250	9.625 P110	40.0	0	5250		1945	621	50	0
8.750	5.500 P110	20.0	0	18359		2865	797	4300	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	10800	18251	10800 TO 18251	0.420	2028	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
10800 TO 18251	126000 G. 15 PERCENT HCL PLUS 55592 BBLS 15 LB LINEAR GEL PLUS 376509 BBLS SLICKWATER PLUS 315519 LB

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/01/2018	04/14/2018	24	→	1132.0	1982.0	2273.0	44.0	0.7	FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
26		2325.0	→	1132	1982	2273	1751	POW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

ACCEPTED FOR RECORD
NOV 20 2019
BUREAU OF LAND MANAGEMENT
ROSWELL FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #483620 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Reclamation was due: 10/01/2018

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
DELAWARE GROUP	5117	8739			
UPPER AVALON	8739	8951			
LOWER AVALON	8951	9792			
1ST BONE SPRING	9792	10243			
2ND BONE SPRING	10406	10811			
3RD BONE SPRING	11323	11586			
TOP WOLFCAMP	11586				

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #483620 Verified by the BLM Well Information System.
For KAISER-FRANCIS OIL COMPANY, sent to the Hobbs
Committed to AFMSS for processing by JENNIFER SANCHEZ on 11/18/2019 ()

Name *(please print)* CHARLOTTE VAN VALKENBURG Title MGR., REGULATORY COMPLIANCE

Signature (Electronic Submission) Date 09/17/2019

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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, New Mexico 87505

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

X AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-43033	98259	Ojo Chiso; Bone Spring, Southwest

Property Code	Property Name	Well Number
316707	BELL LAKE UNIT NORTH	230H

OGRID No.	Operator Name	Elevation
12361	KAISER-FRANCIS OIL COMPANY	3458'

Surface Location

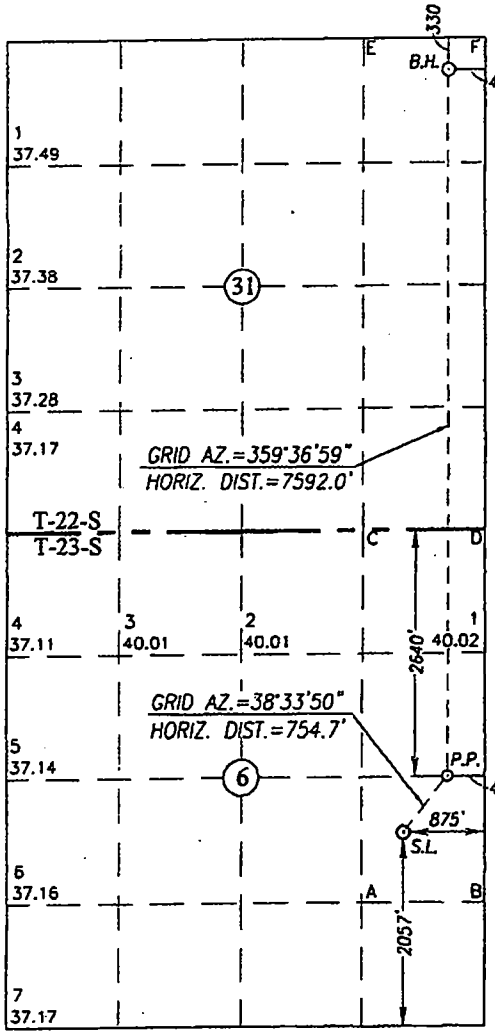
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	6	23-S	34-E		2057	SOUTH	875	EAST	LEA

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
A	31	22-S	34-E		330	NORTH	400	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	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



SCALE: 1"=2000'

BOTTOM HOLE LOCATION
NAD 83 NME
Y= 493700.3 N
X= 798054.4 E
LAT.=32.354413° N
LONG.=103.501980° W

BOTTOM HOLE LOCATION
NAD 27 NME
Y= 493640.1 N
X= 756871.4 E
LAT.=32.354389° N
LONG.=103.501499° W

CORNER COORDINATES TABLE
NAD 27 NME
A - Y= 484719.1 N, X= 756012.2 E
B - Y= 484728.3 N, X= 757332.2 E
C - Y= 488681.9 N, X= 755982.3 E
D - Y= 488692.5 N, X= 757302.5 E
E - Y= 493962.7 N, X= 755950.1 E
F - Y= 493973.3 N, X= 757269.2 E

CORNER COORDINATES TABLE
NAD 83 NME
A - Y= 484779.0 N, X= 797195.4 E
B - Y= 484788.2 N, X= 798515.4 E
C - Y= 488741.9 N, X= 797165.5 E
D - Y= 488752.5 N, X= 798485.7 E
E - Y= 494022.9 N, X= 797133.1 E
F - Y= 494033.4 N, X= 798452.2 E

PENETRATION POINT
NAD 83 NME
Y= 486109.8 N
X= 798105.2 E
LAT.=32.333649° N
LONG.=103.502006° W

PENETRATION POINT
NAD 27 NME
Y= 486049.9 N
X= 756922.1 E
LAT.=32.333525° N
LONG.=103.501526° W

GEODETIC COORDINATES
SURFACE LOCATION
NAD 83 NME
Y= 485519.8 N
X= 797634.9 E
LAT.=32.332037° N
LONG.=103.503544° W

GEODETIC COORDINATES
SURFACE LOCATION
NAD 27 NME
Y= 485459.9 N
X= 756451.7 E
LAT.=32.331913° N
LONG.=103.503063° W

OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

C. Van Valkenburg 4/25/18
Signature Date

Charlotte Van Valkenburg
Printed Name

Charlotv@kfoc.net
E-mail Address

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.

MARCH 11, 2016
Date of Survey

Signature & Seal of Professional Surveyor:

RONALD J. EIDSON NEW MEXICO 3239 REGISTERED PROFESSIONAL SURVEYOR

5/26/2017

Certificate Number: Gary L. Eidson 12641
Ronald J. Eidson 3239

ACK REL W.O.:16110153 JWSC W.O.: 17.13.1036

SURVEY REPORT

Company: Kaiser-Francis Oil Company
Well: Bell Lake Unit North 230H
Location: Jal
Rig: Cactus 171

Survey Company: Von Directional
Start Date: 12/18/2017
End Date: 12/30/2017
Proposed Direction: 2.94

svy	depth	inc	azm	tvd	ns	ew	vs	dls	temp	gtot	htot	dipa
Tiein	0	0	0	0	0	0	0	0	0	0	0	0
1	158	0.9	348	157.99	1.21	-0.26	1.2	0.57	0	0	0	0
2	220	0.6	336	219.99	1.99	-0.49	1.96	0.54	0	0	0	0
3	282	0.6	298	281.98	2.44	-0.91	2.39	0.63	0	0	0	0
4	355	0.6	297	354.98	2.79	-1.59	2.7	0.01	0	0	0	0
5	415	0.9	301	414.98	3.17	-2.27	3.05	0.51	0	0	0	0
6	500	1.3	303	499.96	4.04	-3.65	3.85	0.47	0	0	0	0
7	509	1.4	300	508.96	4.15	-3.83	3.95	1.36	0	0	0	0
8	603	2.5	295	602.9	5.59	-6.69	5.24	1.18	0	0	0	0
9	649	2.3	292	648.86	6.36	-8.45	5.92	0.51	0	0	0	0
10	684	2.3	292	683.83	6.89	-9.75	6.38	0	0	0	0	0
11	729	2	287	728.8	7.46	-11.34	6.87	0.79	0	0	0	0
12	773	2.1	283	772.77	7.86	-12.86	7.19	0.4	0	0	0	0
13	829	2.3	289	828.73	8.46	-14.92	7.68	0.54	0	0	0	0
14	871	1.8	289	870.71	8.95	-16.34	8.1	1.19	0	0	0	0
15	921	1.8	279	920.68	9.33	-17.86	8.4	0.63	0	0	0	0
16	965	1.5	283	964.66	9.57	-19.11	8.57	0.73	0	0	0	0
17	1058	1.3	286	1057.63	10.13	-21.31	9.02	0.23	0	0	0	0
18	1153	1.4	288	1152.61	10.79	-23.45	9.57	0.12	0	0	0	0
19	1246	1	291	1245.59	11.43	-25.28	10.12	0.44	0	0	0	0
20	1549	1.71	290.07	1548.5	13.93	-32	12.27	0.23	0	0	0	0
21	1642	0.11	229.76	1641.49	14.35	-33.37	12.61	1.78	0	0	0	0
22	1736	1	124.87	1735.48	13.82	-32.77	12.12	1.1	0	0	0	0
23	1830	0.66	104.58	1829.47	13.21	-31.57	11.58	0.47	0	0	0	0
24	1924	0.63	93.57	1923.47	13.04	-30.53	11.46	0.14	0	0	0	0
25	2018	0.64	86.9	2017.46	13.04	-29.49	11.51	0.08	0	0	0	0
26	2112	0.73	77.92	2111.45	13.19	-28.38	11.72	0.15	0	0	0	0
27	2206	0.79	79.19	2205.45	13.44	-27.16	12.03	0.07	0	0	0	0
28	2300	0.89	77.93	2299.44	13.72	-25.81	12.37	0.11	0	0	0	0
29	2394	1.36	89.88	2393.42	13.87	-23.98	12.62	0.56	0	0	0	0
30	2488	2.4	102.04	2487.37	13.46	-20.94	12.37	1.18	0	0	0	0
31	2582	2.52	91.27	2581.28	13.01	-16.95	12.12	0.51	0	0	0	0
32	2675	2.78	78.48	2674.18	13.41	-12.69	12.74	0.69	0	0	0	0
33	2769	3.25	75.15	2768.05	14.55	-7.88	14.13	0.53	0	0	0	0
34	2863	3.4	71.71	2861.89	16.11	-2.66	15.95	0.27	0	0	0	0
35	2957	2.89	81.5	2955.75	17.33	2.33	17.43	0.79	0	0	0	0
36	3052	3.22	93.66	3050.62	17.52	7.36	17.87	0.76	0	0	0	0
37	3146	3.61	103.83	3144.45	16.64	12.87	17.28	0.76	0	0	0	0
38	3239	3.26	108.17	3237.28	15.11	18.22	16.03	0.47	0	0	0	0
39	3334	4.25	103.21	3332.08	13.47	24.22	14.69	1.1	0	0	0	0
40	3429	4.51	98.26	3426.8	12.13	31.34	13.72	0.48	0	0	0	0
41	3524	4.16	94.85	3521.53	11.3	38.47	13.26	0.46	0	0	0	0
42	3620	4.35	90.02	3617.27	11	45.58	13.33	0.42	0	0	0	0
43	3715	4.35	85.68	3711.99	11.27	52.78	13.97	0.35	0	0	0	0
44	3809	4.04	84.66	3805.74	11.85	59.63	14.89	0.34	0	0	0	0
45	3905	4.2	81.93	3901.49	12.66	66.48	16.05	0.26	0	0	0	0

46	4000	5.34	77.02	3996.16	14.14	74.23	17.93	1.27	0	0	0	0
47	4095	6.02	75.1	4090.69	16.41	83.35	20.67	0.74	0	0	0	0
48	4190	6.09	91.73	4185.17	17.54	93.2	22.3	1.84	0	0	0	0
49	4285	7.37	98.38	4279.52	16.5	104.27	21.83	1.58	0	0	0	0
50	4379	8.04	91.41	4372.67	15.46	116.8	21.43	1.22	0	0	0	0
51	4474	8.29	95.77	4466.71	14.61	130.26	21.27	0.7	0	0	0	0
52	4568	8.12	100.64	4559.75	12.7	143.53	20.05	0.76	0	0	0	0
53	4663	7.12	97.56	4653.91	10.69	155.96	18.67	1.14	0	0	0	0
54	4758	6.36	98.25	4748.25	9.16	167	17.71	0.8	0	0	0	0
55	4853	5.85	98.06	4842.71	7.73	177	16.79	0.54	0	0	0	0
56	4948	5.2	99.64	4937.27	6.33	186.04	15.86	0.7	0	0	0	0
57	5043	4.4	97.84	5031.93	5.11	193.9	15.05	0.86	0	0	0	0
58	5138	4.45	96.61	5126.65	4.19	201.17	14.5	0.11	0	0	0	0
59	5189	4.41	95.18	5177.5	3.78	205.08	14.3	0.23	0	0	0	0
60	5329	4.24	94.59	5317.1	2.88	215.6	13.94	0.13	0	0	0	0
61	5424	5.69	96.88	5411.74	2.04	223.78	13.51	1.54	0	0	0	0
62	5519	6.95	94.51	5506.16	1.02	234.19	13.03	1.35	0	0	0	0
63	5615	8.16	90.71	5601.33	0.48	246.79	13.14	1.36	0	0	0	0
64	5710	10.06	91.2	5695.13	0.22	261.83	13.65	2	0	0	0	0
65	5805	11.94	96.1	5788.38	-1	279.9	13.36	2.21	0	0	0	0
66	5905	14.7	88.9	5885.69	-1.85	302.87	13.68	3.22	0	0	0	0
67	5997	14.75	87.81	5974.66	-1.18	326.25	15.55	0.31	0	0	0	0
68	6090	14.48	87.62	6064.65	-0.25	349.7	17.69	0.29	0	0	0	0
69	6185	14.76	87.84	6156.58	0.7	373.66	19.87	0.3	0	0	0	0
70	6280	13.48	81.04	6248.71	2.89	396.69	23.23	2.2	0	0	0	0
71	6375	10.78	75.81	6341.59	6.79	416.24	28.13	3.07	0	0	0	0
72	6470	8.61	81.49	6435.23	10.02	431.89	32.16	2.49	0	0	0	0
73	6565	6.75	84.8	6529.37	11.58	444.49	34.36	2.01	0	0	0	0
74	6660	5.4	84.88	6623.83	12.48	454.5	35.78	1.42	0	0	0	0
75	6755	4.54	91.97	6718.48	12.75	462.71	36.47	1.11	0	0	0	0
76	6850	4.33	112.48	6813.2	11.25	469.78	35.33	1.67	0	0	0	0
77	6945	3.92	126.13	6907.95	7.97	475.72	32.35	1.12	0	0	0	0
78	7040	2.52	120.57	7002.8	4.99	480.14	29.61	1.51	0	0	0	0
79	7134	0.36	139.52	7096.77	3.71	482.11	28.44	2.32	0	0	0	0
80	7230	0.44	140.21	7192.76	3.2	482.54	27.95	0.08	0	0	0	0
81	7325	0.56	156.44	7287.76	2.49	482.96	27.26	0.19	0	0	0	0
82	7419	0.5	152.87	7381.76	1.71	483.33	26.5	0.07	0	0	0	0
83	7513	0.81	158.04	7475.75	0.73	483.77	25.54	0.34	0	0	0	0
84	7607	0.63	173.01	7569.74	-0.4	484.08	24.43	0.28	0	0	0	0
85	7700	0.57	179.95	7662.74	-1.37	484.14	23.46	0.1	0	0	0	0
86	7794	0.89	186.36	7756.73	-2.57	484.06	22.27	0.35	0	0	0	0
87	7888	0.91	183.99	7850.72	-4.04	483.93	20.79	0.04	0	0	0	0
88	7982	0.8	183.52	7944.71	-5.44	483.83	19.39	0.12	0	0	0	0
89	8076	1.01	198.73	8038.7	-6.87	483.53	17.93	0.34	0	0	0	0
90	8170	0.95	204.84	8132.68	-8.37	482.93	16.41	0.13	0	0	0	0
91	8264	0.99	199.04	8226.67	-9.84	482.34	14.91	0.11	0	0	0	0
92	8358	0.87	213.96	8320.66	-11.2	481.68	13.52	0.29	0	0	0	0
93	8452	1.03	217.38	8414.64	-12.46	480.77	12.21	0.18	0	0	0	0
94	8546	0.94	218.42	8508.63	-13.74	479.78	10.89	0.1	0	0	0	0
95	8640	0.79	218.35	8602.62	-14.85	478.89	9.73	0.16	126.6	1.00027	0.49035	58.3956
96	8734	1.01	220.91	8696.61	-15.99	477.95	8.55	0.24	0	0	0	0
97	8828	0.98	213.61	8790.59	-17.28	476.96	7.2	0.14	0	0	0	0
98	8922	1.07	217.8	8884.58	-18.64	475.98	5.79	0.12	0	0	0	0

99	9016	1.28	216.84	8978.56	-20.18	474.81	4.2	0.22	0	0	0	0
100	9109	1.25	226.85	9071.54	-21.7	473.45	2.61	0.24	0	0	0	0
101	9203	1.07	234.74	9165.52	-22.91	471.98	1.33	0.26	0	0	0	0
102	9298	1.94	232.93	9260.48	-24.39	469.98	-0.26	0.92	0	0	0	0
103	9393	1.91	226.03	9355.43	-26.46	467.55	-2.45	0.25	0	0	0	0
104	9514	6.78	142.08	9476.12	-33.5	470.5	-9.33	5.66	108.9	1.00067	0.48828	60.76923
105	9577	7.23	141.31	9538.65	-39.53	475.26	-15.1	0.73	112.5	1.00074	0.501	61.51648
106	9675	3.01	97.14	9636.26	-44.67	481.67	-19.91	5.6	110.7	1.00059	0.49341	60.76923
107	9769	8.61	23.45	9729.83	-38.51	486.93	-13.48	8.81	110.7	1.00059	0.49414	60.68132
108	9863	15.99	7.53	9821.64	-19.19	491.43	6.04	8.57	112.5	1.00067	0.4939	60.50549
109	9957	20.87	8.65	9910.79	10.22	495.65	35.63	5.2	114.2	1.00035	0.49512	60.41758
110	10051	29.36	5.91	9995.83	49.77	500.55	75.37	9.11	112.5	1.00035	0.49548	60.1978
111	10145	39.57	2.69	10073.23	102.74	504.34	128.47	11.03	112.5	1.00082	0.49512	59.89011
112	10239	47.87	358.35	10141.12	167.62	504.74	193.28	9.38	114.2	1.00082	0.49487	59.71429
113	10333	57.1	355.94	10198.31	241.99	500.94	267.36	10.03	116	1.00082	0.49365	59.49451
114	10426	67.21	354.25	10241.69	323.81	493.86	348.71	10.99	116	1.00027	0.49292	59.31868
115	10521	76.95	357.16	10270.89	413.83	487.16	438.27	10.66	117.8	1.00059	0.49109	59.14286
116	10615	91.23	355.91	10280.55	506.91	481.51	530.94	15.25	114.2	1.00067	0.4884	59.01099
117	10732	96.18	356.16	10272.99	623.35	473.44	646.81	4.24	121.3	0.99965	0.49109	58.35165
118	10826	94.53	356.16	10264.22	716.73	467.17	739.75	1.76	124.8	0.99957	0.4906	58.35165
119	10920	93.82	356.84	10257.37	810.3	461.45	832.9	1.04	126.6	1.00027	0.49035	58.3956
120	11014	91.71	357.21	10252.84	904.06	456.58	926.29	2.28	126.6	0.99988	0.49121	58.3956
121	11108	91.79	358.92	10249.97	997.96	453.4	1019.9	1.82	128.4	1.0002	0.49121	58.43956
122	11202	91.13	0.63	10247.57	1091.93	453.04	1113.73	1.95	131.9	1.00043	0.49145	58.43956
123	11296	90.67	1.98	10246.1	1185.89	455.18	1207.67	1.52	135.4	1.00082	0.49072	58.3956
124	11390	90.92	2.28	10244.79	1279.81	458.67	1301.65	0.42	135.4	1.0009	0.49072	58.3956
125	11484	90.1	3.1	10243.96	1373.7	463.08	1395.65	1.23	137.2	1.00098	0.49121	58.3956
126	11579	90.56	3.51	10243.41	1468.54	468.56	1490.64	0.65	137.2	1.00098	0.49121	58.3956
127	11674	89.94	2.3	10243	1563.42	473.37	1585.64	1.43	138.9	0.9998	0.49194	58.3956
128	11768	89.11	2.34	10243.77	1657.34	477.18	1679.63	0.88	140.7	0.9998	0.49219	58.43956
129	11863	89.06	1.42	10245.29	1752.27	480.29	1774.6	0.97	138.9	0.99996	0.49206	58.43956
130	11958	88.05	359.73	10247.69	1847.23	481.25	1869.49	2.07	140.7	1.00098	0.49219	58.48352
131	12053	87.4	359.02	10251.46	1942.15	480.21	1964.23	1.01	142.5	1.0009	0.49231	58.48352
132	12148	87.44	358.06	10255.74	2037.02	477.79	2058.85	1.01	142.5	1.00098	0.49219	58.48352
133	12243	88.51	358.84	10259.09	2131.93	475.23	2153.5	1.39	142.5	1.00043	0.49219	58.43956
134	12337	89.49	359.85	10260.73	2225.91	474.15	2247.29	1.5	146	0.99988	0.49194	58.43956
135	12432	90.11	0.25	10261.06	2320.9	474.23	2342.17	0.78	146	0.99988	0.49182	58.43956
136	12527	90.65	359.29	10260.43	2415.9	473.85	2437.02	1.16	142.5	1.0009	0.49072	58.43956
137	12621	91.63	0.23	10258.56	2509.88	473.46	2530.86	1.44	146	1.00027	0.49072	58.48352
138	12716	92.15	0.51	10255.43	2604.82	474.07	2625.71	0.62	146	1.00027	0.49109	58.43956
139	12810	90.74	358.68	10253.06	2698.79	473.41	2719.51	2.46	146	0.9998	0.49158	58.48352
140	12905	90.56	357.07	10251.98	2793.71	469.89	2814.13	1.71	147.8	1.00035	0.49109	58.48352
141	13000	91.21	357.09	10250.52	2888.58	465.05	2908.63	0.68	149.5	0.99988	0.49145	58.48352
142	13094	92.44	357.42	10247.52	2982.42	460.55	3002.11	1.35	149.5	0.99988	0.49109	58.43956
143	13189	91.16	357.52	10244.54	3077.28	456.36	3096.63	1.35	149.5	1.00059	0.49145	58.43956
144	13284	92.02	357.68	10241.9	3172.16	452.38	3191.18	0.92	151.3	1.00074	0.49084	58.43956
145	13379	90.72	358.39	10239.63	3267.07	449.12	3285.81	1.56	151.3	1.00082	0.49158	58.43956
146	13474	89.61	0.39	10239.36	3362.06	448.11	3380.62	2.41	153.1	1.00035	0.49145	58.43956
147	13569	90.52	0.93	10239.25	3457.05	449.21	3475.54	1.11	153.1	1.00035	0.49145	58.43956
148	13664	91.7	1.34	10237.41	3552.01	451.09	3570.47	1.31	156.6	0.99973	0.49158	58.43956
149	13759	90.98	0.67	10235.19	3646.97	452.75	3665.39	1.04	154.8	0.99988	0.49158	58.43956
150	13852	90.9	0.01	10233.66	3739.96	453.3	3758.28	0.71	154.8	1.00074	0.4906	58.43956
151	13947	89.29	359.78	10233.5	3834.95	453.13	3853.15	1.71	156.6	1.00051	0.49096	58.52747

152	14042	87.23	358.9	10236.39	3929.9	452.04	3947.91	2.36	158.4	1.00098	0.4917	58.48352
153	14137	88.01	359.54	10240.33	4024.8	450.75	4042.63	1.06	160.1	1.00074	0.49231	58.52747
154	14232	88.47	0.43	10243.25	4119.76	450.72	4137.45	1.05	160.1	1.0002	0.49231	58.52747
155	14326	86.96	358.83	10247	4213.68	450.11	4231.22	2.34	160.1	1.00067	0.49267	58.52747
156	14421	86.78	358.91	10252.19	4308.52	448.24	4325.84	0.21	161.9	1.00098	0.49231	58.52747
157	14515	86.93	358.25	10257.34	4402.34	445.92	4419.42	0.72	161.9	1.0009	0.4917	58.52747
158	14610	88.35	357.5	10261.26	4497.2	442.4	4513.97	1.69	161.9	0.99988	0.49243	58.52747
159	14705	89.33	357.47	10263.18	4592.08	438.23	4608.52	1.03	163.6	1.0009	0.4917	58.48352
160	14800	91.08	357.5	10262.84	4686.99	434.06	4703.08	1.84	161.9	0.99996	0.49182	58.48352
161	14895	91.95	357.57	10260.33	4781.87	429.98	4797.63	0.92	161.9	1.0009	0.4906	58.43956
162	14990	92.58	357.73	10256.57	4876.71	426.09	4892.15	0.68	161.9	1.0009	0.49072	58.3956
163	15085	93.32	357.94	10251.68	4971.52	422.5	4986.64	0.81	161.9	1.0009	0.49096	58.3956
164	15179	92.06	359.56	10247.27	5065.39	420.45	5080.28	2.18	163.6	1.00043	0.49072	58.43956
165	15274	91.37	359.59	10244.43	5160.34	419.75	5175.08	0.73	161.9	0.99996	0.4917	58.48352
166	15369	89.72	359.67	10243.52	5255.33	419.14	5269.91	1.74	163.6	1.00098	0.49145	58.43956
167	15464	90.25	359.65	10243.55	5350.33	418.57	5364.75	0.56	165.4	1.00098	0.49145	58.48352
168	15559	91	0.53	10242.51	5445.32	418.72	5459.63	1.22	161.9	1.00059	0.48962	58.79121
169	15654	91.17	0.91	10240.71	5540.3	419.91	5554.54	0.44	163.6	0.99965	0.49035	58.92308
170	15749	91.07	0.55	10238.86	5635.27	421.12	5649.45	0.39	163.6	0.99973	0.49023	58.92308
171	15843	89.12	359.66	10238.7	5729.26	421.3	5743.33	2.28	165.4	1.00184	0.49109	58.79121
172	15938	89	359.69	10240.26	5824.25	420.76	5838.17	0.13	168.9	1.00043	0.49121	58.92308
173	16033	89.09	0.73	10241.84	5919.24	421.11	5933.04	1.1	168.9	1.0016	0.49109	58.83516
174	16128	89.68	1.58	10242.86	6014.21	423.02	6027.99	1.09	170.7	0.99965	0.4906	58.87912
175	16223	89.82	1.43	10243.28	6109.18	425.52	6122.96	0.22	170.7	1.00027	0.49096	58.92308
176	16318	90.05	1.55	10243.39	6204.14	427.99	6217.93	0.27	172.5	1.00176	0.49084	58.83516
177	16413	89.82	0.14	10243.49	6299.13	429.39	6312.86	1.5	172.5	1.00035	0.49084	58.92308
178	16508	90.16	0.21	10243.51	6394.13	429.68	6407.75	0.37	172.5	1.00168	0.49072	58.83516
179	16602	90.1	0.93	10243.3	6488.12	430.61	6501.67	0.77	174.2	0.99973	0.49048	58.96703
180	16696	89.77	1.14	10243.4	6582.11	432.31	6595.62	0.42	176	0.99973	0.4906	58.96703
181	16790	89.29	1.37	10244.17	6676.08	434.37	6689.57	0.57	176	0.99973	0.4906	58.83516
182	16884	88.49	0.9	10246	6770.05	436.23	6783.51	0.99	176	1.01726	0.4906	58.74725
183	16978	88.43	0.03	10248.52	6864.01	436.99	6877.39	0.93	176	1.00121	0.4906	58.87912
184	17073	89.19	359.29	10250.49	6958.98	436.43	6972.21	1.12	174.2	1.00004	0.48974	58.87912
185	17168	90.14	357.75	10251.05	7053.95	433.98	7066.92	1.9	176	0.99957	0.48974	58.96703
186	17262	90.17	357.57	10250.8	7147.87	430.14	7160.52	0.19	176	1.00067	0.49023	58.87912
187	17357	91.05	358.07	10249.78	7242.79	426.53	7255.14	1.07	176	1.00004	0.49048	58.96703
188	17451	90.88	358.16	10248.2	7336.73	423.43	7348.79	0.2	176	1.0002	0.49035	58.96703
189	17545	91.86	358.77	10245.95	7430.67	420.92	7442.47	1.23	176	1.00106	0.48987	58.83516
190	17639	91.76	359.4	10242.98	7524.61	419.42	7536.21	0.68	176	0.99949	0.48999	58.96703
191	17733	91.9	359.78	10239.98	7618.56	418.74	7630.01	0.43	177.8	0.99957	0.48926	58.87912
192	17827	91.83	359.95	10236.92	7712.51	418.52	7723.82	0.2	176	0.99949	0.48938	58.87912
193	17921	91.79	359.98	10233.95	7806.46	418.46	7817.65	0.05	177.8	1.00043	0.48999	58.92308
194	18016	91.48	0.52	10231.24	7901.42	418.88	7912.5	0.66	177.8	1.00098	0.48962	58.83516
195	18111	91.43	0.82	10228.83	7996.38	419.99	8007.4	0.32	179.5	1.00098	0.48962	58.83516
196	18206	90.86	1.07	10226.93	8091.35	421.56	8102.32	0.66	179.5	1.00098	0.48987	58.87912
PTB	18281	90.86	1.07	10225.81	8166.33	422.96	8177.27	0	0	0	0	0