

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

HOBBS OCU
AUG 11 2016
State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address ConocoPhillips Company P.O. Box 51810 Midland, TX 79710		² OGRID Number 217817
		³ Reason for Filing Code/ Effective Date NB NW
⁴ API Number 30 - 015-43374	⁵ Pool Name WC-015 G-08 S263125P; WOLFCAMP NSP-2037	⁶ Pool Code 98012
⁷ Property Code 315259	⁸ Property Name GOLDEN SPUR 36 W1 NSL-7391	⁹ Well Number 1H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
1	36	26S	31E		282	SOUTH	570	EAST	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
A	25	26S	31E		59	NORTH	850	EAST	EDDY

¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
248440	WESTERN REFINING COMPANY, L.P. 6500 TROWBRIDGE DRIVE ELPASO, TX 79905	O
285689	DELAWARE BASIN MIDSTREAM, LLC 1221 LAMAR ST STE 1100 HOUSTON, TX 77010	G
	NM OIL CONSERVATION ARTESIA DISTRICT AUG 18 2016 RECEIVED	

IV. Well Completion Data

²¹ Spud Date 11/06/2015	²² Ready Date 07/07/2016	²³ TD 11,698' TD 18785'M	²⁴ PBDT 11698 TD 18687'M	²⁵ Perforations 1,855'-18,4	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	1049'	1455		
9 7/8"	7 5/8"	11245'	1464		
6 3/4"	5"	18774'		PT?	TOC?

V. Well Test Data

³¹ Date New Oil 07/23/2016	³² Gas Delivery Date	³³ Test Date 07/23/2016	³⁴ Test Length 24 HR	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 5226
³⁷ Choke Size 14/64	³⁸ Oil 301 BBLS	³⁹ Water 0 BBLS	⁴⁰ Gas 334 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: Ashley Bergen

Printed name:
Ashley Bergen

Title:
Regulatory Associate

E-mail Address:
ashley.bergen@cop.com

Date: 07/27/2016
Phone: (432)688-6938

OIL CONSERVATION DIVISION
Denied
Karen Sharp
BusUp Spec - Adv
Approval Date: 8-19-16
Provide Pressure Test 5" casing
Provide signature page for Survey

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AUG 01 2016

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

RECEIVED

5. Lease Serial No.
NMLC068282B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

GOLDEN SPUR 36 COM W1 1H

2. Name of Operator

CONOCOPHILLIPS

Contact: ASHLEY BERGEN

E-Mail: ashley.bergen@conocophillips.com

9. API Well No.

30-015-43374

3a. Address

P.O. BOX 51810
MIDLAND, TX 79710

3b. Phone No. (include area code)

Ph: 432-688-6938

10. Field and Pool, or Exploratory

WOLFCAMP

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 36 T26S R31E Mer NMP SENE 282FSL 570FEL

11. County or Parish, and State

EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Production Start-up
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The well above was completed on 7/7/16. Please see the attachment of the work summary for the well completion.

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 18 2016

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14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #345984 verified by the BLM Well Information System For CONOCOPHILLIPS, sent to the Carlsbad	
Name (Printed/Typed) ASHLEY BERGEN	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 07/27/2016
THIS SPACE FOR FEDERAL OR STATE	
Approved By _____	Title _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	
Office _____	

Pending BLM approvals will subsequently be reviewed and scanned

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 fraudulent statements or representations as to any matter within its jurisdiction.

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

3/22/16 RIH perf stage 1 from 18,443'-18,339'. Frac stage 1 with 4,000 gals of 15% NEFE HCL acid and 441,920# of proppants. Perf stage 2 from 18,309'-18,132'. Frac stage 2 with 2,000 gals of 15% NEFE HCL acid and 441,920# of proppant.

3/23/16 Perf stage 3 from 18,101'-17,889'. Frac stage 3 with 2,000 gals of 15% NEFE HCL acid and 440,820# of proppant. Perf stage 4 from 17,649'-17,860'.

3/24/16 Frac stage 4 with 2,016 gals of 15% NEFE HCL acid and 438,360# of proppants. Perf stage 5 from 17,618'-17,408'.

3/25/16 Frac stage 5 with 1,764 gals of 15% NEFE HCL acid and 453,470# of proppants. Perf stage 6 from 17,166'-17,373'. Frac stage 6 with 1,764 gals of 15% NEFE HCL acid and 453,740# of proppant. Perf stage 7 from 16,924'-17,136'.

3/26/16 Frac stage 7 with 1,764 gals of 15% NEFE HCL acid and 437,640# of proppant. Perf stage 8 16,683'-16,890'. Frac stage 8 with 1,764 gals of 15% NEFE HCL acid and 441,400# of proppant. Perf stage 9 from 16,444'-16,653'. Frac stage 9 with 1,764 gals of 15% NEFE HCL acid and 440,519# of proppant.

3/27/16 Perf stage 10 from 16,200'-16,412'. Frac stage 10 with 1,944 gals of 15% NEFE HCL acid and 443,970# of proppant. Perf stage 11 from 15,959'-16,165'. Frac stage 11 with 1,944 gals of 15% NEFE HCL acid and 433,450# of proppant. Perf stage 12 from 15,717'-15,929'.

3/28/16 Frac stage 12 with 1,764 gals of 15% NEFE HCL acid and 345,660# of proppants. Perf stage 13 from 15,475'-15,684'. Frac stage 13 with 1,764 gals of 15% NEFE HCL acid and 440,400# proppant. Perf stage 14 from 15,238'-15,446'.

3/29/16 Frac stage 14 with 1,764 gals of 15% NEFE HCL acid and 441,640# of proppant. Perf stage 15 from 14,993'-15,205'. Frac stage 15 with 1,944 gals of 15% NEFE HCL acid and 481,080# of proppant. Perf stage 18 from 14,752'-14,960'. Frac stage 16 with 1,764 gals of 15% NEFE HCL acid and 441,300# of proppant. Perf stage 17 from 14,721'-14,511'.

3/30/16 Frac stage 17 with 1,764 gals of 15% NEFE HCL acid and 440,530# of proppant.

3/31/16 Perf stage 18 from 14,269'-14,478'. Frac stage 18 with 1,764 gals of 15% NEFE HCL acid and 441,390#.

4/1/16 Perf stage 19 from 14,031'-14,241'.

4/2/16 Frac stage 19 with 1,764 gals of 15% NEFE HCL acid and 440,570# of proppant. Perf stage 20 from 13,786'-13,998'. Frac stage 20 with 1,218 gals of 15% NEFE HCL acid and 441,820# of proppant. Perf stage 21 from 13,545'-13,756'.

4/3/16 Frac stage 21 with 1,512' gals of 15% NEFE HCL acid and 440,710# of proppant. Perf stage 22 from 13,313'-13,511'. Frac stage 22 with 1,512 gals of 15% NEFE HCL acid and 441,160#. Perf stage 23 from 13,062'-13,274'. Frac stage 23 with 1,512 gals of 15% NEFE HCL acid and 467,330# of proppant.

4/4/16 Perf stage 24 from 12,828'-13,032'. Frac stage 24 with 1,512 gals of 15% NEFE HCL acid and 487,200# of proppant. Perf stage 25 from 12,579'-12,791'.

4/5/16 Frac stage 25 with 1,512 gals of 15% NEFE HCL acid and 458,470# of proppant. Perf stage 26 from 12,342'-12,549'. Frac stage 29 with 1,944 gals of 15% NEFE HCL acid and 408,380# of proppant.

Perf stage 27 from 12,096'-12,305'. Frac stage 27 with 1,764 gals of 15% NEFE HCL acid and 436,490# of proppant. Perf stage 28 from 11,855'-12,067'. Frac stage 28 with 1,764 gals of 15% NEFE HCL acid and 441,120# of proppant.

4/7/16 Drilled out plugs and circulated hole clean.

4/21/16 ND BOP NU production tree. RDMO.

4/28/16 Turned over to production.

AUG 01 2016

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5. Lease Serial No.
NMLC068282B

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other/			7. Unit or CA Agreement Name and No.		
2. Name of Operator CONOCOPHILLIPS			8. Lease Name and Well No. GOLDEN SPUR 36 COM W1 1H		
3. Address P.O. BOX 51810 MIDLAND, TX 79710			9. API Well No. 30-015-43374		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot 1 282FSL 570FEL At top prod interval reported below Lot 1 524FSL 714FEL At total depth NENE 59FNL 850FEL			10. Field and Pool, or Exploratory WOLFCAMP		
14. Date Spudded 11/06/2015			15. Date T.D. Reached 12/25/2015		
16. Date Completed ☐ D & A ☒ Ready to Prod. 07/07/2016			17. Elevations (DF, KB, RT, GL)* 3146 GL		
18. Total Depth: MD TVD 18785 11698		19. Plug Back T.D.: MD TVD 18687 11698		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)			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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	54.5	0	1049		1455	365	0	
9.875	7.625 P-110	29.7	0	11245		1464	645	0	
6.750	5.000 P-110	18.0	0	18774		980	199	9000	

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) WOLFCAMP	11371	18785	11855 TO 18443			PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
11855 TO 18443	TOTAL ACID= 51,266 GLAS OF 15% NEFE HCL & TOTAL PROPPANTS= 12,362,729#

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
07/23/2016	07/23/2016	24	→	301.0	334.0	0.0			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
14/64	SI	5266.0	→	301	334	0		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	
	SI		→						

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

ELECTRONIC SUBMISSION #345882 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPEPending BLM approvals will
subsequently be reviewed
and scanned

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.)
CAPTURED

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
RUSTLER	989	2286	MUDSTONE/SILTSTONE	RUSTLER	989
CASTILE	2286	4170	ANHYDRITE/SALT	CASTILE	2286
BELL CANYON	4170	5093	SAND	BELL CANYON	4170
CHERRY CANYON	5093	6527	SAND	CHERRY CANYON	5093
BRUSHY CANYON	6527	8165	SAND	BRUSHY CANYON	6527
BONE SPRING 1ST CARBONATE	8165	9165	CARBONATE	BONE SPRING 1ST CARBONATE	8165
BONE SPRING 1ST SAND	9165	9461	SAND	BONE SPRING 1ST SAND	9165
BONE SPRING 2ND CARBONATE	9461	9855	CARBONATE	BONE SPRING 2ND CARBONATE	9461

32. Additional remarks (include plugging procedure):

BONE SPRING 2ND SAND- 9,855'-10,252' SAND
BONE SPRING 3RD CARBONATE- 10,252'-10,988'- CARBONATE
BONE SPRING 3RD SAND- 10,988'-11,371'- SAND
WOLFCAMP- 11,371'-11,583' SHALE/ CARBONATES
WOLFCAMP 1- 11,583'-18,785' SHALE/ CARBONATES

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 #345882 Verified by the BLM Well Information System.
For CONOCOPHILLIPS, sent to the Carlsbad

Name (please print) ASHLEY BERGENTitle REGULATORY SPECIALISTSignature (Electronic Submission)Date 07/27/2016

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 fraudulent statements or representations as to any matter within its jurisdiction.

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

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Permian-AVALON-NM East State Plane Zone

GOLDEN SPUR 36 COM W1 1H

MD (ft)	Inc (Deg)	Azim. (Deg)	TVD (ft)	N/S (ft)	E/W (ft)	Y (ft)	X (ft)	DLS (-/100ft)	Comment
0	0	0	0	0 N	0 E	364571.4 N	688808.1 E	0	
13.4	0	0	13.4	0 N	0 E	364571.4 N	688808.1 E	0	
184.4	1.2	65	184.387	0.757 N	1.623 E	364572.2 N	688809.8 E	0.702	
360.4	0.4	49.9	360.369	1.931 N	3.763 E	364573.3 N	688811.9 E	0.466	
540.4	0.5	306.5	540.366	2.803 N	3.612 E	364574.2 N	688811.8 E	0.394	
719.4	1.4	297.4	719.339	4.274 N	1.043 E	364575.7 N	688809.2 E	0.508	
898.4	1.1	28.4	898.311	6.792 N	0.081 W	364578.2 N	688808.1 E	1.003	
1001.4	1.7	71.2	1001.282	8.154 N	1.835 E	364579.6 N	688810 E	1.13	
1162	2.6	71.9	1161.767	10.054 N	7.553 E	364581.5 N	688815.7 E	0.561	
1257	0.6	84.1	1256.726	10.774 N	10.096 E	364582.2 N	688818.2 E	2.124	
1351	1.1	271.7	1350.721	10.852 N	9.684 E	364582.3 N	688817.8 E	1.805	
1445	1.5	289	1444.697	11.279 N	7.619 E	364582.7 N	688815.8 E	0.592	
1540	1.5	234.6	1539.669	10.963 N	5.429 E	364582.4 N	688813.6 E	1.443	
1634	3.3	242.3	1633.583	8.993 N	2.031 E	364580.4 N	688810.2 E	1.941	
1728	2.4	226.5	1727.467	6.38 N	1.792 W	364577.8 N	688806.3 E	1.262	
1823	4.1	216.4	1822.312	2.277 N	5.251 W	364573.7 N	688802.9 E	1.881	
1917	3.9	211.9	1916.083	3.141 S	8.934 W	364568.3 N	688799.2 E	0.396	
2012	5.8	208.7	2010.739	10.095 S	12.947 W	364561.3 N	688795.2 E	2.019	
2106	5.9	208	2104.249	18.527 S	17.496 W	364552.9 N	688790.6 E	0.131	
2201	5.9	208.5	2198.746	27.129 S	22.118 W	364544.3 N	688786 E	0.054	
2295	6	208.3	2292.24	35.701 S	26.753 W	364535.7 N	688781.4 E	0.109	
2390	6.2	209.5	2386.702	44.537 S	31.633 W	364526.9 N	688776.5 E	0.25	
2484	5.8	209.7	2480.187	53.081 S	36.485 W	364518.3 N	688771.7 E	0.426	
2578	5	211.6	2573.769	60.696 S	40.985 W	364510.7 N	688767.2 E	0.872	
2673	4.6	208.2	2668.436	67.579 S	44.955 W	364503.8 N	688763.2 E	0.517	
2767	3.9	200.5	2762.177	73.895 S	47.855 W	364497.5 N	688760.3 E	0.959	
2861	4.6	204.6	2855.918	80.317 S	50.544 W	364491.1 N	688757.6 E	0.811	
2956	4.5	203.9	2950.619	87.188 S	53.64 W	364484.2 N	688754.5 E	0.12	
3050	4.5	205.4	3044.329	93.89 S	56.715 W	364477.5 N	688751.4 E	0.125	
3144	3.5	197.5	3138.1	99.958 S	59.16 W	364471.4 N	688749 E	1.212	
3239	4.7	210.7	3232.857	106.071 S	62.019 W	364465.3 N	688746.1 E	1.599	
3333	5.1	213.4	3326.513	112.87 S	66.285 W	364458.5 N	688741.9 E	0.491	
3428	4.9	215.2	3421.152	119.711 S	70.948 W	364451.7 N	688737.2 E	0.268	
3522	4.1	201	3514.864	126.129 S	74.467 W	364445.3 N	688733.7 E	1.453	
3616	5	185.4	3608.571	133.344 S	76.057 W	364438.1 N	688732.1 E	1.619	
3711	5.4	197.8	3703.183	141.722 S	77.813 W	364429.7 N	688730.3 E	1.253	
3805	6.2	183.5	3796.706	151.001 S	79.475 W	364420.4 N	688728.7 E	1.751	
3900	6.5	190.5	3891.124	161.409 S	80.768 W	364410 N	688727.4 E	0.873	
3995	4.6	205.9	3985.679	170.124 S	83.413 W	364401.3 N	688724.7 E	2.524	
4089	3.7	206.2	4079.432	176.236 S	86.398 W	364395.2 N	688721.7 E	0.958	
4184	4.4	211.7	4174.195	182.087 S	89.666 W	364389.3 N	688718.5 E	0.842	
4278	4.4	211.8	4267.918	188.219 S	93.461 W	364383.2 N	688714.7 E	0.008	
4373	3.9	212.6	4362.668	194.038 S	97.122 W	364377.4 N	688711 E	0.53	
4467	4.6	221.8	4456.41	199.542 S	101.357 W	364371.9 N	688706.8 E	1.037	
4562	4.5	220.1	4551.111	205.232 S	106.297 W	364366.2 N	688701.8 E	0.177	
4656	4.3	220	4644.834	210.752 S	110.937 W	364360.7 N	688697.2 E	0.213	
4751	3.8	218.2	4739.596	215.955 S	115.173 W	364355.5 N	688693 E	0.543	
4845	3.5	217.1	4833.405	220.691 S	118.83 W	364350.7 N	688689.3 E	0.328	
4939	3.2	213.9	4927.245	225.157 S	122.024 W	364346.3 N	688686.1 E	0.376	
5033	2.8	209.6	5021.116	229.331 S	124.622 W	364342.1 N	688683.5 E	0.488	
5128	2.6	208.4	5116.01	233.244 S	126.793 W	364338.2 N	688681.4 E	0.219	
5222	2.5	206.5	5209.917	236.954 S	128.721 W	364334.5 N	688679.4 E	0.139	
5316	2.3	198.1	5303.835	240.582 S	130.222 W	364330.8 N	688677.9 E	0.43	
5411	0.6	60.4	5398.813	242.148 S	130.382 W	364329.3 N	688677.8 E	2.919	
5505	0.2	60.3	5492.81	241.824 S	129.812 W	364329.6 N	688678.3 E	0.426	
5600	1.3	339.3	5587.802	240.734 S	130.048 W	364330.7 N	688678.1 E	1.352	
5694	1.4	330.1	5681.776	238.741 S	130.998 W	364332.7 N	688677.1 E	0.254	
5788	1.3	323.1	5775.75	236.892 S	132.21 W	364334.5 N	688675.9 E	0.205	
5883	1.2	315.8	5870.727	235.318 S	133.551 W	364336.1 N	688674.6 E	0.198	
5977	1.1	317	5964.708	233.952 S	134.853 W	364337.5 N	688673.3 E	0.109	
6071	1	307.7	6058.693	232.791 S	136.117 W	364338.6 N	688672 E	0.21	
6165	0.7	298.3	6152.682	232.017 S	137.272 W	364339.4 N	688670.9 E	0.351	
6260	0.6	296.5	6247.676	231.52 S	138.228 W	364339.9 N	688669.9 E	0.107	
6355	0.5	276.3	6342.672	231.252 S	139.085 W	364340.2 N	688669.1 E	0.228	
6449	0.5	263.4	6436.668	231.254 S	139.9 W	364340.2 N	688668.2 E	0.12	

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6544	0.6	256.8	6531.664	231.416 S	140.796 W	364340 N	688667.4 E	0.124
6638	0.6	284	6625.659	231.409 S	141.753 W	364340 N	688666.4 E	0.3
6732	0.5	273.5	6719.654	231.265 S	142.64 W	364340.1 N	688665.5 E	0.151
6827	0.4	274.3	6814.652	231.215 S	143.384 W	364340.2 N	688664.8 E	0.105
6921	0.6	253.8	6908.648	231.327 S	144.184 W	364340.1 N	688664 E	0.282
7016	0.5	251.8	7003.644	231.596 S	145.055 W	364339.8 N	688663.1 E	0.107
7110	0.7	248.8	7097.638	231.931 S	145.98 W	364339.5 N	688662.2 E	0.215
7205	0.7	246.7	7192.631	232.371 S	147.054 W	364339 N	688661.1 E	0.027
7299	0.6	246.9	7286.625	232.791 S	148.034 W	364338.6 N	688660.1 E	0.106
7394	0.7	235.1	7381.619	233.318 S	148.968 W	364338.1 N	688659.2 E	0.175
7488	0.6	225.2	7475.613	233.993 S	149.788 W	364337.4 N	688658.4 E	0.16
7583	0.6	202.2	7570.608	234.804 S	150.329 W	364336.6 N	688657.8 E	0.252
7677	0.5	197.9	7664.604	235.65 S	150.641 W	364335.8 N	688657.5 E	0.115
7771	0.6	194.5	7758.599	236.517 S	150.89 W	364334.9 N	688657.3 E	0.112
7866	0.8	190.1	7853.592	237.652 S	151.131 W	364333.8 N	688657 E	0.218
7960	0.8	191.3	7947.583	238.941 S	151.375 W	364332.5 N	688656.8 E	0.018
8054	0.9	194.4	8041.573	240.3 S	151.687 W	364331.1 N	688656.5 E	0.117
8149	0.9	201.1	8136.561	241.719 S	152.141 W	364329.7 N	688656 E	0.111
8243	1	207.3	8230.548	243.136 S	152.783 W	364328.3 N	688655.4 E	0.152
8338	0.9	215.4	8325.535	244.481 S	153.595 W	364326.9 N	688654.6 E	0.176
8432	1.1	217	8419.521	245.803 S	154.566 W	364325.6 N	688653.6 E	0.215
8527	0.8	210.2	8514.508	247.105 S	155.448 W	364324.3 N	688652.7 E	0.337
8621	0.4	239.4	8608.502	247.839 S	156.061 W	364323.6 N	688652.1 E	0.523
8715	0.6	329.2	8702.5	247.583 S	156.595 W	364323.8 N	688651.6 E	0.766
8808	0.9	316.2	8795.492	246.638 S	157.35 W	364324.8 N	688650.8 E	0.369
8903	1.9	301.1	8890.463	245.286 S	159.215 W	364326.1 N	688648.9 E	1.113
8997	1.6	323.1	8984.42	243.431 S	161.338 W	364328 N	688646.8 E	0.776
9092	1.1	4.7	9079.395	241.462 S	162.059 W	364330 N	688646.1 E	1.123
9186	1	344.2	9173.38	239.773 S	162.209 W	364331.6 N	688645.9 E	0.411
9281	0.7	345.2	9268.369	238.415 S	162.583 W	364333 N	688645.6 E	0.316
9375	0.8	314.2	9362.362	237.402 S	163.2 W	364334 N	688644.9 E	0.439
9470	1	301.8	9457.35	236.503 S	164.38 W	364334.9 N	688643.8 E	0.293
9565	1.3	294.7	9552.331	235.616 S	166.063 W	364335.8 N	688642.1 E	0.349
9659	1.4	301.3	9646.305	234.574 S	168.013 W	364336.8 N	688640.1 E	0.197
9753	1.4	269.5	9740.278	233.987 S	170.143 W	364337.4 N	688638 E	0.816
9848	1.7	251.3	9835.244	234.449 S	172.638 W	364337 N	688635.5 E	0.603
9943	2.2	246.9	9930.188	235.616 S	175.65 W	364335.8 N	688632.5 E	0.549
10037	2.3	242.2	10024.12	237.204 S	178.978 W	364334.2 N	688629.2 E	0.223
10132	2.3	238.7	10119.04	239.083 S	182.293 W	364332.3 N	688625.9 E	0.148
10209	2.3	237.2	10195.98	240.723 S	184.912 W	364330.7 N	688623.2 E	0.078
10303	1.4	241.7	10289.93	242.289 S	187.509 W	364329.1 N	688620.6 E	0.969
10398	0.2	105.1	10384.92	242.882 S	188.37 W	364328.5 N	688619.8 E	1.633
10492	0.7	111.9	10478.92	243.139 S	187.679 W	364328.3 N	688620.5 E	0.534
10587	0.4	141.2	10573.91	243.614 S	186.933 W	364327.8 N	688621.2 E	0.423
10681	0.4	157.6	10667.91	244.173 S	186.602 W	364327.2 N	688621.5 E	0.121
10776	0.6	166.6	10762.91	244.964 S	186.361 W	364326.4 N	688621.8 E	0.226
10807	0.6	176.3	10793.9	245.284 S	186.313 W	364326.1 N	688621.8 E	0.327
10839	0.7	180.6	10825.9	245.646 S	186.304 W	364325.8 N	688621.8 E	0.347
10870	0.3	262	10856.9	245.847 S	186.386 W	364325.6 N	688621.8 E	2.32
10902	3.1	337.9	10888.89	245.057 S	186.795 W	364326.4 N	688621.4 E	9.503
10933	6.5	342.6	10919.77	242.605 S	187.635 W	364328.8 N	688620.5 E	11.032
10965	9.5	348	10951.46	238.292 S	188.726 W	364333.1 N	688619.4 E	9.655
10996	12.4	358.1	10981.89	232.462 S	189.369 W	364339 N	688618.8 E	11.183
11028	14.8	3.1	11012.99	224.945 S	189.261 W	364346.5 N	688618.9 E	8.345
11059	17.8	6.1	11042.75	216.278 S	188.544 W	364355.1 N	688619.6 E	10.048
11091	20.6	7.6	11072.96	205.833 S	187.279 W	364365.6 N	688620.9 E	8.884
11123	23.2	10	11102.65	194.043 S	185.44 W	364377.4 N	688622.7 E	8.591
11154	25.7	10.1	11130.87	181.41 S	183.2 W	364390 N	688624.9 E	8.066
11198	27.1	5.8	11170.28	162.044 S	180.514 W	364409.4 N	688627.6 E	5.384
11256	26.9	3.8	11221.96	135.809 S	178.309 W	364435.6 N	688629.8 E	1.603
11288	26.1	3.7	11250.6	121.561 S	177.375 W	364449.8 N	688630.8 E	2.504
11319	25.8	3.5	11278.47	108.023 S	176.523 W	364463.4 N	688631.6 E	1.008
11351	28.8	3.1	11306.91	93.372 S	175.681 W	364478 N	688632.5 E	9.392
11379	33.9	2.8	11330.81	78.828 S	174.935 W	364492.6 N	688633.2 E	18.223
11411	40	3.3	11356.37	59.629 S	173.906 W	364511.8 N	688634.2 E	19.085
11442	44.3	5	11379.35	38.888 S	172.388 W	364532.5 N	688635.8 E	14.35
11474	46.7	6.3	11401.78	16.178 S	170.136 W	364555.2 N	688638 E	8.04
11505	48.3	7.4	11422.72	6.513 N	167.407 W	364577.9 N	688640.7 E	5.786
11536	50.9	8.3	11442.81	29.896 N	164.18 W	364601.3 N	688644 E	8.673
11568	51.8	8.6	11462.8	54.616 N	160.507 W	364626 N	688647.6 E	2.906

11599	53.8	7.9	11481.54	79.052 N	156.966 W	364650.4 N	688651.2 E	6.698
11631	55.1	7.1	11500.14	104.864 N	153.569 W	364676.3 N	688654.6 E	4.543
11662	57.3	5.9	11517.39	130.457 N	150.657 W	364701.9 N	688657.5 E	7.792
11694	60.1	5	11534.01	157.673 N	148.063 W	364729.1 N	688660.1 E	9.074
11725	62.4	3.6	11548.92	184.772 N	146.029 W	364756.2 N	688662.1 E	8.409
11757	64.6	2.5	11563.2	213.367 N	144.508 W	364784.8 N	688663.6 E	7.532
11788	66.8	1.5	11575.96	241.602 N	143.524 W	364813 N	688664.6 E	7.682
11820	68.9	0.8	11588.02	271.232 N	142.931 W	364842.6 N	688665.2 E	6.868
11851	70.9	0.5	11598.67	300.341 N	142.601 W	364871.7 N	688665.5 E	6.515
11883	73.5	0	11608.46	330.806 N	142.469 W	364902.2 N	688665.7 E	8.26
11914	75.8	0.5	11616.66	360.697 N	142.338 W	364932.1 N	688665.8 E	7.581
11945	78.1	0.4	11623.66	390.894 N	142.101 W	364962.3 N	688666 E	7.426
11977	80.7	1.6	11629.55	422.34 N	141.551 W	364993.7 N	688666.6 E	8.922
12008	82.6	1.7	11634.05	452.997 N	140.668 W	365024.4 N	688667.5 E	6.137
12040	85.3	1	11637.42	484.807 N	139.919 W	365056.2 N	688668.2 E	8.713
12134	91.9	1.5	11639.72	578.704 N	137.869 W	365150.1 N	688670.3 E	7.041
12228	91.5	0.2	11636.93	672.65 N	136.475 W	365244 N	688671.7 E	1.446
12323	87.5	358.3	11637.76	767.615 N	137.718 W	365339 N	688670.4 E	4.661
12417	88.4	358.2	11641.12	861.51 N	140.587 W	365432.9 N	688667.6 E	0.963
12512	92.6	0.3	11640.29	956.471 N	141.83 W	365527.8 N	688666.3 E	4.943
12606	90.8	359	11637.5	1050.422 N	142.405 W	365621.8 N	688665.7 E	2.362
12700	86.8	354.4	11639.47	1144.202 N	147.809 W	365715.5 N	688660.3 E	6.483
12795	88.5	356.5	11643.37	1238.814 N	155.338 W	365810.2 N	688652.8 E	2.843
12889	90	356.4	11644.6	1332.623 N	161.157 W	365904 N	688647 E	1.599
12984	90.2	359.6	11644.43	1427.553 N	164.472 W	365998.9 N	688643.7 E	3.375
13078	89.2	358.5	11644.92	1521.536 N	166.031 W	366092.9 N	688642.1 E	1.581
13172	91.2	358.9	11644.59	1615.506 N	168.163 W	366186.8 N	688640 E	2.17
13267	90.1	358.5	11643.52	1710.474 N	170.318 W	366281.8 N	688637.8 E	1.232
13361	87.8	359.3	11645.24	1804.434 N	172.123 W	366375.7 N	688636 E	2.591
13455	88.9	359.9	11647.95	1898.391 N	172.779 W	366469.7 N	688635.4 E	1.333
13549	90.9	1.8	11648.11	1992.371 N	171.384 W	366563.7 N	688636.8 E	2.935
13644	89.5	0.3	11647.78	2087.349 N	169.644 W	366658.6 N	688638.5 E	2.16
13738	90.5	359.9	11647.78	2181.348 N	169.48 W	366752.6 N	688638.7 E	1.146
13832	90.7	359.5	11646.79	2275.341 N	169.972 W	366846.6 N	688638.2 E	0.476
13927	87.8	359.5	11648.04	2370.319 N	170.801 W	366941.6 N	688637.3 E	3.053
14021	88.2	359.2	11651.32	2464.256 N	171.866 W	367035.5 N	688636.3 E	0.532
14115	89.3	359.2	11653.37	2558.223 N	173.178 W	367129.5 N	688635 E	1.17
14210	91.4	359.4	11652.79	2653.208 N	174.339 W	367224.5 N	688633.8 E	2.221
14304	86.1	358.5	11654.84	2747.136 N	176.06 W	367318.4 N	688632.1 E	5.719
14398	88.2	359.2	11659.51	2840.995 N	177.943 W	367412.3 N	688630.2 E	2.355
14493	86.1	358.2	11664.24	2935.846 N	180.095 W	367507.1 N	688628.1 E	2.448
14587	89.8	0.6	11667.6	3029.758 N	181.076 W	367601 N	688627.1 E	4.691
14682	91.2	1.4	11666.77	3124.737 N	179.418 W	367696 N	688628.7 E	1.697
14776	89.7	0.3	11666.03	3218.719 N	178.024 W	367790 N	688630.1 E	1.979
14870	89.5	359.3	11666.69	3312.715 N	178.352 W	367883.9 N	688629.8 E	1.085
14965	89.2	357.3	11667.76	3407.662 N	181.17 W	367978.9 N	688627 E	2.129
15059	92.5	2.7	11666.37	3501.604 N	181.172 W	368072.8 N	688627 E	6.731
15153	91.8	1.2	11662.84	3595.48 N	177.976 W	368166.7 N	688630.2 E	1.76
15248	87.4	357.7	11663.51	3690.436 N	178.887 W	368261.7 N	688629.3 E	5.918
15342	89.7	359.7	11665.88	3784.37 N	181.018 W	368355.6 N	688627.1 E	3.242
15436	85.5	357.6	11669.82	3878.236 N	183.227 W	368449.4 N	688624.9 E	4.994
15531	86.3	358.5	11676.61	3972.936 N	186.451 W	368544.1 N	688621.7 E	1.266
15625	86.3	358.1	11682.68	4066.698 N	189.234 W	368637.9 N	688618.9 E	0.425
15719	88.1	358.2	11687.27	4160.533 N	192.265 W	368731.7 N	688615.9 E	1.918
15813	90.3	3.1	11688.58	4254.484 N	191.198 W	368825.7 N	688617 E	5.713
15907	88.8	2	11689.32	4348.384 N	187.016 W	368919.6 N	688621.1 E	1.979
16002	89.2	3.8	11690.98	4443.243 N	182.21 W	369014.4 N	688625.9 E	1.941
16096	90.1	1.6	11691.55	4537.131 N	177.783 W	369108.3 N	688630.4 E	2.529
16191	91.1	355.8	11690.56	4632.059 N	179.937 W	369203.2 N	688628.2 E	6.195
16285	88.7	353.3	11690.72	4725.62 N	188.863 W	369296.8 N	688619.3 E	3.687
16379	92.7	358.1	11689.57	4819.302 N	195.909 W	369390.5 N	688612.2 E	6.646
16474	91.5	357.3	11686.09	4914.159 N	199.719 W	369485.3 N	688608.4 E	1.518
16568	88	353.9	11686.5	5007.853 N	206.928 W	369579 N	688601.2 E	5.191
16663	90	354.9	11688.16	5102.379 N	216.196 W	369673.5 N	688592 E	2.354
16758	90.7	356.8	11687.58	5197.123 N	223.07 W	369768.3 N	688585.1 E	2.131
16852	89.3	355	11687.58	5290.876 N	229.791 W	369862 N	688578.4 E	2.426
16947	89.2	356.3	11688.82	5385.593 N	236.995 W	369956.7 N	688571.2 E	1.372
17041	89.4	357.8	11689.97	5479.458 N	241.833 W	370050.6 N	688566.3 E	1.61
17135	90.4	359.5	11690.14	5573.427 N	244.047 W	370144.5 N	688564.1 E	2.098
17228	90.5	358.1	11689.41	5666.402 N	245.995 W	370237.5 N	688562.2 E	1.509

17323	89.4	358.6	11689.49	5761.361 N	248.73 W	370332.5 N	688559.4 E	1.272
17419	90.6	358.1	11689.49	5857.319 N	251.494 W	370428.4 N	688556.7 E	1.354
17513	90.4	0.6	11688.67	5951.302 N	252.56 W	370522.4 N	688555.6 E	2.668
17607	90.8	358.4	11687.68	6045.287 N	253.381 W	370616.4 N	688554.8 E	2.379
17701	88.7	356.3	11688.09	6139.175 N	257.726 W	370710.3 N	688550.4 E	3.159
17796	90.1	358.4	11689.09	6234.061 N	262.117 W	370805.1 N	688546 E	2.657
17890	89	3	11689.83	6328.024 N	260.97 W	370899.1 N	688547.2 E	5.031
17984	89.9	5.4	11690.73	6421.759 N	254.086 W	370992.8 N	688554.1 E	2.727
18079	90.3	4.3	11690.56	6516.417 N	246.054 W	371087.5 N	688562.1 E	1.232
18173	89.7	1.8	11690.56	6610.276 N	241.053 W	371181.3 N	688567.1 E	2.735
18267	90.9	0.5	11690.07	6704.252 N	239.167 W	371275.3 N	688569 E	1.882
18361	89.2	354.9	11689.99	6798.136 N	242.937 W	371369.2 N	688565.2 E	6.226
18456	89.1	355.7	11691.4	6892.805 N	250.721 W	371463.9 N	688557.4 E	0.849
18550	88.7	355.3	11693.2	6986.498 N	258.094 W	371557.5 N	688550.1 E	0.602
18644	88.4	353.7	11695.58	7080.032 N	267.101 W	371651.1 N	688541.1 E	1.731
18722	89.2	355.4	11697.22	7157.659 N	274.507 W	371728.7 N	688533.6 E	2.408
18785	89.2	355.4	11698.1	7220.45 N	279.559 W	371791.5 N	688528.6 E	0 PROJECTED TO TD