

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 ResourcesForm C-104
Revised August 1, 2011Oil 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 XTO Energy, Inc. 6401 HOLIDAY HILL ROAD BLDG 5 MIDLAND, TX 79707		² OGRID Number 373075
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 025-46541	⁵ Pool Name SALT LAKE;BONE SPRING	⁶ Pool Code 53560
⁷ Property Code 326994	⁸ Property Name BIG EDDY UNIT 29W VADER	⁹ Well Number 102H

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
M	16	20S	32E		349	South	295	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
3	18	20S	32E		1982	South	39	West	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				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
373075	XTO Permian Operating, LLC 6401 Holiday Hill Rd bldg 5 Midland, TX 79707	O/G/W

IV. Well Completion Data

²¹ Spud Date 12/25/2019	²² Ready Date 4/6/2021	²³ TD 20620 MD 9577 TVD	²⁴ PBT 20617 MD 9577 TVD	²⁵ Perforations 10217 - 20496	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
24.0	18.625	1118	2035		
17.5	13.375	2528	1745		
12.25	93625	5012	1660		
8.5	5.5/2.875	20619 /8968	3645		

V. Well Test Data

³¹ Date New Oil 4/7/2021	³² Gas Delivery Date 4/14/2021	³³ Test Date 4/14/2021	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 282	³⁶ Csg. Pressure 260
³⁷ Choke Size	³⁸ Oil 2077	³⁹ Water 3624	⁴⁰ Gas 1037		⁴¹ Test Method Flowing
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: <i>Cassie Evans</i>			OIL CONSERVATION DIVISION		
Printed name: Cassie Evans			Approved by: KURT SIMMONS		
Title: Regulatory Analyst			Title: NMOCD, SANTA FE		
E-mail Address: cassie.evans@exxonmobil.com			Approval Date: 07/30/2021		
Date: 09/10/20021		Phone: 432.218.3671			

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

AS-DRILLED PLAT

¹ API Number 30-025-46541	² Pool Code 53560	³ Pool Name SALT LAKE; BONE SPRING
⁴ Property Code 326994	⁵ Property Name BIG EDDY UNIT 29W VADER	⁶ Well Number 102H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,513'

¹⁰ Surface Location

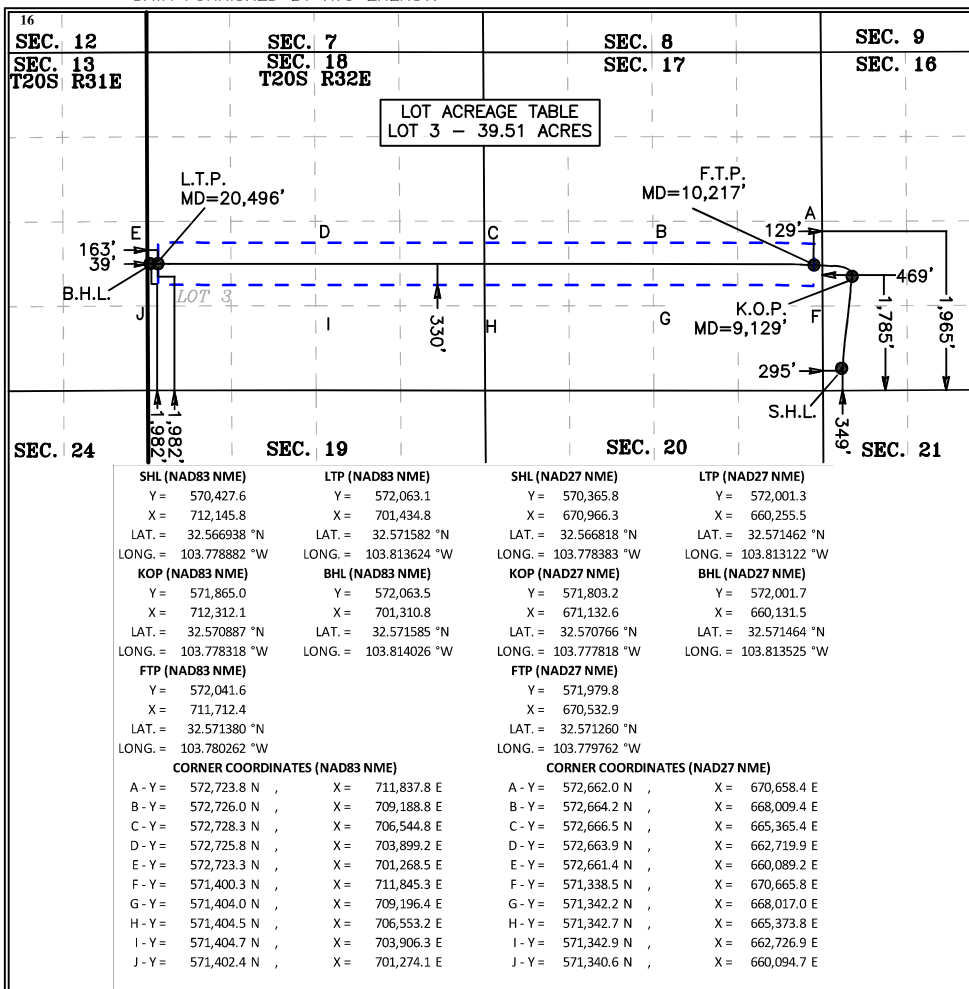
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	16	20 S	32 E		349	SOUTH	295	WEST	LEA

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
3	18	20 S	32 E		1,982	SOUTH	39	WEST	LEA

¹² Dedicated Acres 319.51	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division. NOTE: AS-DRILLED BOTTOM HOLE PLOTTED FROM DATA FURNISHED BY XTO ENERGY.

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.

Cassie Evans

06/10/2021

Signature

Date

Cassie Evans

Printed Name

cassie.evans@exxonmobil.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.

4-29-2021

Date of Survey

Signature and Seal of Professional Surveyor:



MARK DILLON HARP 23786

Certificate Number

JC

2019072120

Intent ☐ As Drilled ☒

API # 30-025-46541		
Operator Name: XTO PERMIAN OPERATING, LLC.	Property Name: BIG EDDY UNIT 29W VADER	Well Number 102H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
L	16	20S	32E		1,785	FSL	469	FWL	EDDY
Latitude 32.570887					Longitude 103.778318				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
I	17	20S	32E		1,965	FSL	129	FEL	EDDY
Latitude 32.571380					Longitude 103.780262				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
3	18	20S	32E		1,982	FSL	163	FWL	EDDY
Latitude 32.571582					Longitude 103.813624				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

HALLIBURTON

3950 Interwood S. Pkwy • Houston, TX 77032
PHONE 281.986.4400 • FAX 281.986.4499

State of New Mexico, Lea County

I, David Sanford certify that I am employed by Halliburton Energy Services, Inc. (aka Sperry Drilling) and that on the dates of December 25, 2019 through January 19, 2020, I did conduct or supervise the taking of MWD directional surveys for the Big Eddy Unit 29W Vader #102H well from a depth of 167' MD to a depth of 20620' MD. This data is true, correct, complete and within the limitations of the tools as set forth by Halliburton Energy Services, Inc. (aka Sperry Drilling). I am authorized and qualified to make this report and these surveys were conducted at the request of XTO Energy Inc., for the Big Eddy Unit 29W Vader #102H well in Lea County. I have reviewed this report and find that it confirms to the principles and procedures as set forth by Halliburton Energy Services, Inc. (aka Sperry Drilling.)


01/20/2020 David Sanford
Field Engineer

HALLIBURTON**DIRECTIONAL SURVEY REPORT**

XTO Energy Inc.
 Big Eddy Unit 29W Vader 102H
 Eddy
 Lea New Mexico
 USA
 MO-XX-0906185648
 LAST SURVEY IS A PROJECTION TO THE BIT

SURVEYS CALCULATED USING SHORT COLLAR METHOD.
 WELL ASSUMED VERTICAL AT WELLHEAD
 SURVEYS FROM 167' MD TO TD PROVIDED BY SPERRY DRILLING.
 SPERRY DRILLING ENGINEERS: DAVID SANFORD / THIEN LE / GARRETT RUIZ / EFREN PICO

<i>Measured Depth (feet)</i>	<i>Inclination (degrees)</i>	<i>Direction (degrees)</i>	<i>Vertical Depth (feet)</i>	<i>Latitude (feet)</i>	<i>Departure (feet)</i>	<i>Vertical Section (feet)</i>	<i>Dogleg (deg/100ft)</i>
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	TIE-IN
167.00	0.41	176.39	167.00	0.59 S	0.04 E	-0.04	0.24
263.00	0.52	173.80	263.00	1.37 S	0.11 E	-0.11	0.13
361.00	0.66	184.87	360.99	2.38 S	0.11 E	-0.11	0.18
441.00	0.73	207.32	440.98	3.29 S	0.17 W	0.16	0.35
526.00	0.69	204.18	525.98	4.23 S	0.62 W	0.62	0.06
624.00	0.65	209.32	623.97	5.26 S	1.14 W	1.13	0.08
719.00	0.59	176.94	718.97	6.21 S	1.37 W	1.37	0.37
814.00	0.58	144.43	813.96	7.09 S	1.07 W	1.06	0.35
909.00	0.94	108.17	908.95	7.73 S	0.04 W	0.04	0.62
1004.00	1.36	82.81	1003.93	7.83 S	1.82 E	-1.83	0.68
1071.00	3.41	74.99	1070.87	7.22 S	4.54 E	-4.54	3.09
1133.00	4.13	73.76	1132.74	6.12 S	8.46 E	-8.47	1.18
1197.00	4.24	76.42	1196.57	4.91 S	12.98 E	-12.98	0.35
1292.00	1.68	68.63	1291.43	3.58 S	17.69 E	-17.69	2.72
1387.00	1.32	76.37	1386.40	2.82 S	20.05 E	-20.05	0.43
1482.00	0.58	0.88	1481.39	2.08 S	21.12 E	-21.12	1.37
1577.00	2.46	290.14	1576.36	0.90 S	19.21 E	-19.21	2.45
1672.00	3.01	284.12	1671.25	0.41 N	14.88 E	-14.88	0.66
1766.00	2.86	283.19	1765.12	1.55 N	10.20 E	-10.20	0.17
1862.00	3.26	284.67	1860.99	2.79 N	5.23 E	-5.23	0.42
1957.00	1.98	285.54	1955.89	3.91 N	1.03 E	-1.03	1.35
2052.00	1.29	277.51	2050.85	4.49 N	1.61 W	1.61	0.76
2147.00	0.86	95.23	2145.84	4.56 N	1.96 W	1.96	2.26
2242.00	0.72	102.07	2240.83	4.37 N	0.67 W	0.67	0.17
2337.00	0.94	103.06	2335.82	4.07 N	0.68 E	-0.68	0.23
2450.00	1.17	82.95	2448.80	4.01 N	2.73 E	-2.73	0.38
2569.00	1.31	97.58	2567.78	3.98 N	5.28 E	-5.28	0.29
2664.00	1.36	85.44	2662.75	3.92 N	7.48 E	-7.48	0.30
2759.00	1.49	57.82	2757.72	4.67 N	9.65 E	-9.65	0.73
2853.00	2.61	36.16	2851.66	7.05 N	11.95 E	-11.94	1.43
2948.00	3.77	23.13	2946.51	11.67 N	14.45 E	-14.45	1.43
3043.00	4.89	11.91	3041.24	18.51 N	16.52 E	-16.51	1.48
3137.00	6.25	8.07	3134.80	27.50 N	18.06 E	-18.05	1.50
3232.00	7.69	5.79	3229.09	38.95 N	19.43 E	-19.41	1.54
3327.00	8.85	5.67	3323.10	52.55 N	20.79 E	-20.76	1.22
3422.00	10.56	5.18	3416.74	68.49 N	22.30 E	-22.26	1.81
3517.00	11.86	5.27	3509.92	86.88 N	23.98 E	-23.94	1.36
3611.00	13.25	2.08	3601.67	107.27 N	25.26 E	-25.21	1.65
3706.00	14.01	0.07	3694.00	129.65 N	25.67 E	-25.60	0.94

Big Eddy Unit 29W Vader 102H

Measured Depth (feet)	Inclination (degrees)	Direction (degrees)	Vertical Depth (feet)	Latitude (feet)	Departure (feet)	Vertical Section (feet)	Dogleg (deg/100ft)
3801.00	14.64	0.75	3786.05	153.15 N	25.84 E	-25.76	0.69
3896.00	14.81	4.46	3877.93	177.26 N	26.95 E	-26.85	1.01
3991.00	14.82	6.08	3969.77	201.44 N	29.18 E	-29.07	0.43
4085.00	14.90	4.32	4060.63	225.45 N	31.36 E	-31.24	0.49
4180.00	14.97	4.43	4152.42	249.86 N	33.23 E	-33.10	0.08
4275.00	14.88	4.90	4244.21	274.25 N	35.21 E	-35.07	0.16
4370.00	14.26	6.56	4336.16	298.02 N	37.59 E	-37.44	0.79
4464.00	14.39	6.91	4427.24	321.12 N	40.32 E	-40.15	0.17
4559.00	14.37	6.98	4519.26	344.54 N	43.17 E	-42.99	0.03
4654.00	14.17	6.72	4611.33	367.79 N	45.96 E	-45.77	0.22
4749.00	14.06	6.01	4703.46	390.81 N	48.53 E	-48.33	0.22
4844.00	14.13	5.46	4795.60	413.83 N	50.84 E	-50.63	0.16
4939.00	13.79	7.32	4887.79	436.61 N	53.39 E	-53.16	0.59
4991.00	13.59	7.59	4938.32	448.81 N	54.99 E	-54.75	0.41
5085.00	12.66	6.93	5029.86	469.99 N	57.69 E	-57.44	1.00
5179.00	12.40	6.85	5121.62	490.24 N	60.14 E	-59.88	0.27
5274.00	12.70	6.31	5214.35	510.75 N	62.50 E	-62.23	0.34
5369.00	13.01	5.78	5306.97	531.77 N	64.72 E	-64.45	0.34
5464.00	13.48	4.80	5399.44	553.44 N	66.73 E	-66.44	0.55
5559.00	13.39	5.84	5491.84	575.42 N	68.77 E	-68.47	0.27
5653.00	12.95	5.85	5583.37	596.72 N	70.95 E	-70.64	0.48
5748.00	12.84	6.99	5675.97	617.78 N	73.32 E	-73.00	0.29
5843.00	13.13	8.40	5768.54	638.93 N	76.18 E	-75.85	0.46
5938.00	13.47	8.89	5861.00	660.54 N	79.47 E	-79.12	0.37
6032.00	13.21	8.89	5952.46	681.97 N	82.82 E	-82.46	0.27
6127.00	13.60	8.65	6044.87	703.74 N	86.18 E	-85.81	0.42
6222.00	13.95	8.06	6137.14	726.12 N	89.46 E	-89.08	0.39
6317.00	14.32	6.65	6229.26	749.13 N	92.43 E	-92.04	0.53
6412.00	14.90	6.47	6321.19	772.93 N	95.17 E	-94.76	0.62
6506.00	14.61	7.45	6412.09	796.70 N	98.06 E	-97.65	0.41
6601.00	14.37	7.80	6504.07	820.26 N	101.22 E	-100.79	0.27
6696.00	14.47	6.54	6596.08	843.73 N	104.17 E	-103.73	0.35
6791.00	14.64	6.72	6688.03	867.44 N	106.93 E	-106.47	0.18
6886.00	14.42	5.81	6779.99	891.13 N	109.53 E	-109.06	0.34
6981.00	14.48	5.29	6871.99	914.72 N	111.82 E	-111.34	0.15
7076.00	14.62	5.10	6963.94	938.49 N	113.98 E	-113.49	0.15
7171.00	14.83	5.66	7055.82	962.53 N	116.25 E	-115.75	0.27
7266.00	14.71	5.50	7147.68	986.64 N	118.61 E	-118.09	0.13
7360.00	14.15	4.74	7238.71	1009.97 N	120.70 E	-120.17	0.64
7455.00	14.73	5.48	7330.71	1033.56 N	122.81 E	-122.27	0.64
7550.00	14.86	6.04	7422.56	1057.69 N	125.25 E	-124.70	0.20
7644.00	14.05	6.21	7513.59	1081.02 N	127.75 E	-127.19	0.86
7739.00	13.30	6.64	7605.89	1103.35 N	130.26 E	-129.69	0.80
7834.00	13.71	6.27	7698.26	1125.40 N	132.76 E	-132.17	0.44
7929.00	14.31	4.86	7790.44	1148.29 N	134.98 E	-134.38	0.72
8024.00	13.77	4.68	7882.60	1171.25 N	136.90 E	-136.29	0.57
8119.00	13.30	3.98	7974.96	1193.42 N	138.58 E	-137.95	0.52
8213.00	13.11	3.62	8066.47	1214.85 N	140.00 E	-139.37	0.22
8309.00	13.00	6.19	8159.99	1236.46 N	141.85 E	-141.21	0.61
8403.00	13.46	4.17	8251.50	1257.89 N	143.79 E	-143.13	0.69
8498.00	13.63	4.81	8343.85	1280.07 N	145.53 E	-144.86	0.24
8593.00	13.68	9.17	8436.17	1302.32 N	148.26 E	-147.58	1.09
8688.00	13.66	9.77	8528.48	1324.47 N	151.96 E	-151.26	0.15
8783.00	14.56	8.83	8620.61	1347.32 N	155.69 E	-154.99	0.98
8877.00	14.83	6.67	8711.54	1370.94 N	158.91 E	-158.19	0.65

Big Eddy Unit 29W Vader 102H

Measured Depth (feet)	Inclination (degrees)	Direction (degrees)	Vertical Depth (feet)	Latitude (feet)	Departure (feet)	Vertical Section (feet)	Dogleg (deg/100ft)
8972.00	15.56	6.37	8803.22	1395.68 N	161.73 E	-161.00	0.77
9067.00	15.64	6.20	8894.72	1421.07 N	164.53 E	-163.79	0.10
9162.00	15.18	6.02	8986.30	1446.18 N	167.22 E	-166.46	0.49
9235.00	14.88	8.70	9056.80	1464.96 N	169.64 E	-168.87	1.04
9291.00	17.29	347.67	9110.65	1480.21 N	168.95 E	-168.17	11.18
9338.00	23.99	330.78	9154.65	1495.40 N	162.78 E	-162.00	18.94
9386.00	27.93	317.05	9197.83	1512.17 N	150.34 E	-149.55	14.92
9433.00	30.24	309.50	9238.92	1527.76 N	133.70 E	-132.90	9.22
9481.00	31.48	303.04	9280.13	1542.29 N	113.86 E	-113.05	7.37
9528.00	32.47	296.32	9320.02	1554.58 N	92.26 E	-91.44	7.86
9576.00	35.65	291.07	9359.78	1565.32 N	67.64 E	-66.83	9.02
9623.00	37.21	288.24	9397.60	1574.70 N	41.36 E	-40.54	4.88
9671.00	37.95	285.41	9435.64	1583.16 N	13.35 E	-12.52	3.91
9718.00	39.17	282.07	9472.40	1590.11 N	15.11 W	15.94	5.13
9766.00	40.76	276.68	9509.20	1595.10 N	45.50 W	46.34	7.93
9813.00	41.38	273.65	9544.64	1597.87 N	76.25 W	77.08	4.44
9860.00	46.09	269.50	9578.59	1598.72 N	108.71 W	109.54	11.73
9907.00	51.12	270.83	9609.66	1598.83 N	143.95 W	144.79	10.91
9955.00	57.52	273.76	9637.65	1600.43 N	182.88 W	183.72	14.22
10002.00	64.79	273.22	9660.31	1602.93 N	223.95 W	224.78	15.50
10050.00	72.23	273.98	9677.88	1605.74 N	268.49 W	269.33	15.57
10097.00	79.05	273.50	9689.53	1608.71 N	313.90 W	314.74	14.54
10145.00	87.00	272.70	9695.35	1611.28 N	361.43 W	362.28	16.64
10192.00	90.93	272.11	9696.20	1613.25 N	408.37 W	409.22	8.46
10287.00	92.96	271.61	9692.98	1616.33 N	503.26 W	504.11	2.20
10390.00	92.43	272.22	9688.14	1619.77 N	606.09 W	606.94	0.78
10486.00	90.15	272.31	9685.97	1623.56 N	701.99 W	702.84	2.38
10581.00	89.95	270.95	9685.89	1626.26 N	796.95 W	797.80	1.45
10675.00	90.09	271.34	9685.86	1628.14 N	890.93 W	891.78	0.44
10770.00	89.83	269.97	9685.92	1629.23 N	985.92 W	986.77	1.47
10864.00	89.97	269.96	9686.09	1629.17 N	1079.92 W	1080.77	0.15
10959.00	90.63	270.19	9685.59	1629.30 N	1174.92 W	1175.77	0.74
11055.00	90.40	270.15	9684.73	1629.58 N	1270.91 W	1271.76	0.24
11150.00	90.53	269.79	9683.96	1629.53 N	1365.91 W	1366.76	0.40
11245.00	90.75	270.24	9682.90	1629.56 N	1460.90 W	1461.75	0.53
11340.00	90.71	270.39	9681.69	1630.08 N	1555.89 W	1556.75	0.16
11434.00	90.50	270.31	9680.69	1630.65 N	1649.89 W	1650.74	0.24
11529.00	90.94	270.21	9679.50	1631.08 N	1744.88 W	1745.73	0.47
11624.00	90.63	270.20	9678.20	1631.42 N	1839.87 W	1840.72	0.33
11719.00	90.60	269.72	9677.18	1631.36 N	1934.86 W	1935.71	0.51
11814.00	90.29	270.06	9676.44	1631.17 N	2029.86 W	2030.71	0.48
11909.00	90.60	269.88	9675.70	1631.12 N	2124.86 W	2125.71	0.38
12004.00	90.53	270.27	9674.77	1631.25 N	2219.85 W	2220.70	0.42
12099.00	90.25	269.97	9674.12	1631.45 N	2314.85 W	2315.70	0.43
12193.00	90.63	269.79	9673.40	1631.25 N	2408.84 W	2409.70	0.45
12288.00	90.46	269.96	9672.50	1631.04 N	2503.84 W	2504.69	0.25
12383.00	90.94	270.05	9671.33	1631.05 N	2598.83 W	2599.69	0.51
12478.00	90.77	270.09	9669.92	1631.17 N	2693.82 W	2694.67	0.18
12573.00	90.69	269.99	9668.71	1631.23 N	2788.81 W	2789.67	0.13
12668.00	91.02	269.82	9667.29	1631.08 N	2883.80 W	2884.66	0.39
12763.00	90.18	269.90	9666.29	1630.84 N	2978.80 W	2979.65	0.89
12857.00	90.69	269.81	9665.58	1630.61 N	3072.79 W	3073.65	0.55
12952.00	90.36	269.87	9664.71	1630.34 N	3167.79 W	3168.64	0.35
13047.00	91.47	269.84	9663.19	1630.10 N	3262.78 W	3263.63	1.17
13142.00	91.36	270.06	9660.85	1630.02 N	3357.75 W	3358.60	0.26

Big Eddy Unit 29W Vader 102H

Measured Depth (feet)	Inclination (degrees)	Direction (degrees)	Vertical Depth (feet)	Latitude (feet)	Departure (feet)	Vertical Section (feet)	Dogleg (deg/100ft)
13237.00	90.92	269.97	9658.96	1630.04 N	3452.73 W	3453.58	0.47
13332.00	90.83	269.91	9657.51	1629.94 N	3547.72 W	3548.57	0.11
13427.00	90.07	270.05	9656.76	1629.91 N	3642.71 W	3643.56	0.81
13521.00	90.64	270.13	9656.18	1630.06 N	3736.71 W	3737.56	0.61
13616.00	90.35	270.04	9655.36	1630.20 N	3831.71 W	3832.56	0.32
13711.00	90.45	270.08	9654.69	1630.30 N	3926.70 W	3927.56	0.11
13806.00	90.85	270.14	9653.62	1630.48 N	4021.70 W	4022.55	0.43
13902.00	90.59	270.20	9652.41	1630.76 N	4117.69 W	4118.54	0.28
13996.00	90.32	269.97	9651.66	1630.90 N	4211.69 W	4212.54	0.38
14091.00	90.73	270.22	9650.79	1631.06 N	4306.68 W	4307.53	0.51
14186.00	90.56	270.09	9649.72	1631.32 N	4401.68 W	4402.53	0.23
14282.00	90.35	269.88	9648.96	1631.29 N	4497.67 W	4498.52	0.31
14377.00	90.53	270.15	9648.23	1631.32 N	4592.67 W	4593.52	0.34
14472.00	90.62	270.18	9647.28	1631.59 N	4687.66 W	4688.52	0.10
14567.00	90.18	270.18	9646.62	1631.89 N	4782.66 W	4783.51	0.46
14661.00	90.17	270.35	9646.33	1632.32 N	4876.66 W	4877.51	0.18
14756.00	90.06	270.03	9646.14	1632.64 N	4971.66 W	4972.51	0.36
14851.00	90.11	270.28	9646.00	1632.90 N	5066.66 W	5067.51	0.27
14946.00	90.69	270.11	9645.33	1633.22 N	5161.65 W	5162.51	0.64
15040.00	90.40	269.88	9644.44	1633.21 N	5255.65 W	5256.50	0.39
15135.00	90.58	269.90	9643.63	1633.03 N	5350.65 W	5351.50	0.19
15230.00	90.69	269.87	9642.57	1632.84 N	5445.64 W	5446.49	0.12
15324.00	91.14	269.74	9641.07	1632.52 N	5539.63 W	5540.48	0.50
15419.00	90.50	269.81	9639.71	1632.14 N	5634.62 W	5635.47	0.68
15514.00	90.43	269.82	9638.94	1631.84 N	5729.61 W	5730.47	0.07
15609.00	91.54	269.97	9637.31	1631.66 N	5824.60 W	5825.45	1.18
15704.00	91.39	269.87	9634.88	1631.53 N	5919.57 W	5920.42	0.19
15798.00	91.50	269.70	9632.51	1631.18 N	6013.54 W	6014.39	0.22
15893.00	90.55	270.02	9630.81	1630.95 N	6108.52 W	6109.37	1.06
15988.00	90.72	270.11	9629.76	1631.05 N	6203.51 W	6204.37	0.20
16083.00	90.40	270.14	9628.83	1631.26 N	6298.51 W	6299.36	0.34
16178.00	90.09	270.38	9628.42	1631.69 N	6393.51 W	6394.36	0.41
16273.00	89.85	270.27	9628.47	1632.23 N	6488.50 W	6489.36	0.28
16367.00	90.33	270.06	9628.33	1632.50 N	6582.50 W	6583.36	0.56
16462.00	91.15	270.55	9627.10	1633.01 N	6677.49 W	6678.35	1.01
16557.00	90.07	269.81	9626.09	1633.30 N	6772.49 W	6773.34	1.38
16651.00	89.83	269.86	9626.17	1633.03 N	6866.49 W	6867.34	0.26
16746.00	89.85	270.07	9626.43	1632.98 N	6961.48 W	6962.34	0.22
16841.00	91.30	269.84	9625.48	1632.90 N	7056.48 W	7057.33	1.55
16936.00	90.54	269.53	9623.96	1632.38 N	7151.46 W	7152.32	0.86
17031.00	90.43	269.91	9623.15	1631.91 N	7246.46 W	7247.31	0.42
17126.00	90.86	270.03	9622.08	1631.86 N	7341.45 W	7342.30	0.47
17220.00	89.95	270.08	9621.42	1631.96 N	7435.45 W	7436.30	0.97
17315.00	89.97	270.12	9621.48	1632.12 N	7530.45 W	7531.30	0.05
17410.00	90.06	270.00	9621.46	1632.22 N	7625.45 W	7626.30	0.16
17505.00	90.55	269.92	9620.95	1632.15 N	7720.45 W	7721.30	0.52
17600.00	91.05	270.04	9619.63	1632.12 N	7815.44 W	7816.29	0.54
17695.00	91.65	270.05	9617.39	1632.20 N	7910.41 W	7911.26	0.63
17790.00	91.72	269.79	9614.60	1632.06 N	8005.37 W	8006.22	0.28
17885.00	90.76	269.78	9612.54	1631.71 N	8100.34 W	8101.20	1.01
17983.00	90.76	270.33	9611.24	1631.80 N	8198.34 W	8199.19	0.56
18077.00	91.00	270.60	9609.80	1632.56 N	8292.32 W	8293.17	0.38
18172.00	90.36	270.19	9608.67	1633.22 N	8387.31 W	8388.17	0.80
18267.00	90.51	270.11	9607.95	1633.47 N	8482.31 W	8483.16	0.18
18361.00	91.32	269.61	9606.45	1633.24 N	8576.30 W	8577.15	1.01

Big Eddy Unit 29W Vader 102H

Measured Depth (feet)	Inclination (degrees)	Direction (degrees)	Vertical Depth (feet)	Latitude (feet)	Departure (feet)	Vertical Section (feet)	Dogleg (deg/100ft)
18456.00	91.63	269.94	9604.00	1632.86 N	8671.26 W	8672.12	0.48
18551.00	91.55	270.00	9601.37	1632.81 N	8766.23 W	8767.08	0.11
18646.00	91.25	269.98	9599.04	1632.80 N	8861.20 W	8862.05	0.32
18741.00	90.65	270.02	9597.47	1632.80 N	8956.18 W	8957.04	0.63
18836.00	90.40	269.77	9596.60	1632.62 N	9051.18 W	9052.03	0.37
18931.00	90.72	269.74	9595.67	1632.22 N	9146.17 W	9147.03	0.34
19026.00	90.48	269.80	9594.68	1631.84 N	9241.17 W	9242.02	0.26
19121.00	91.41	269.85	9593.11	1631.54 N	9336.15 W	9337.01	0.98
19215.00	91.61	269.84	9590.63	1631.29 N	9430.12 W	9430.97	0.21
19310.00	90.89	269.21	9588.56	1630.50 N	9525.09 W	9525.95	1.01
19405.00	90.91	270.14	9587.07	1629.96 N	9620.08 W	9620.93	0.98
19500.00	90.85	270.48	9585.61	1630.48 N	9715.07 W	9715.92	0.36
19595.00	89.60	270.50	9585.24	1631.29 N	9810.06 W	9810.91	1.32
19689.00	90.45	270.59	9585.19	1632.18 N	9904.06 W	9904.91	0.91
19784.00	90.58	270.45	9584.34	1633.05 N	9999.05 W	9999.90	0.20
19879.00	90.76	270.52	9583.23	1633.85 N	10094.04 W	10094.89	0.20
19973.00	91.35	270.38	9581.50	1634.59 N	10188.02 W	10188.87	0.65
20067.00	90.63	270.05	9579.87	1634.94 N	10282.00 W	10282.86	0.84
20162.00	90.22	270.08	9579.17	1635.05 N	10377.00 W	10377.85	0.43
20257.00	90.88	270.07	9578.26	1635.17 N	10472.00 W	10472.85	0.69
20351.00	90.02	270.07	9577.52	1635.29 N	10565.99 W	10566.85	0.91
20446.00	90.80	270.13	9576.84	1635.45 N	10660.99 W	10661.84	0.82
20541.00	89.55	270.12	9576.55	1635.66 N	10755.99 W	10756.84	1.32
20601.00	89.64	270.21	9576.97	1635.83 N	10815.98 W	10816.84	0.21
20620.00	89.64	270.21	9577.09	1635.90 N	10834.98 W	10835.84	0.00

CALCULATION BASED ON MINIMUM CURVATURE METHOD

SURVEY COORDINATES RELATIVE TO WELL SYSTEM REFERENCE POINT
TVD VALUES GIVEN RELATIVE TO DRILLING MEASUREMENT POINT

VERTICAL SECTION RELATIVE TO WELL HEAD
VERTICAL SECTION IS COMPUTED ALONG A DIRECTION OF 270.03 DEGREES (GRID)
A TOTAL CORRECTION OF 6.56 DEG FROM MAGNETIC NORTH TO GRID NORTH HAS BEEN APPLIED

HORIZONTAL DISPLACEMENT IS RELATIVE TO THE WELL HEAD.
HORIZONTAL DISPLACEMENT(CLOSURE) AT 20620.00 FEET
IS 10957.78 FEET ALONG 278.59 DEGREES (GRID)

LAST SURVEY IS A PROJECTION TO THE BIT

SURVEYS CALCULATED USING SHORT COLLAR METHOD.
WELL ASSUMED VERTICAL AT WELLHEAD
SURVEYS FROM 167' MD TO TD PROVIDED BY SPERRY DRILLING.
SPERRY DRILLING ENGINEERS: DAVID SANFORD / THIEN LE / GARRETT RUIZ / EFREN PICO

Submit To Appropriate District Office Two Copies 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 and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised April 3, 2017				
		1. WELL API NO. 30-025-46541								
		2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN								
		3. State Oil & Gas Lease No.								
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)						5. Lease Name or Unit Agreement Name BIG EDDY UNIT 29W VADER				
						6. Well Number: 102H				
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator XTO PERMIAN OPERATING LLC.						9. OGRID 373075				
10. Address of Operator 6401 HOLIDAY HILL RD BLDG #5, MIDLAND TX 79707						11. Pool name or Wildcat LOS MEDANOS; WOLFCAMP (GAS)				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	M	16	20S	32E		349	South	295	West	Eddy
BH:	3	18	20S	32E		1982	South	39	West	EDDY
13. Date Spudded 12/25/2019	14. Date T.D. Reached 1/19/2020		15. Date Rig Released 1/24/2020		16. Date Completed (Ready to Produce) 4/6/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3513 GL		
18. Total Measured Depth of Well 20,620			19. Plug Back Measured Depth 20,617		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 10,217 - 20,496 LOS MEDANOS; WOLFCAMP (GAS)										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
24.0"		87.5		1118'		18 5/8"		2035		
17 1/2"		68.0		2,528'		13 3/8"		1745		
12 1/4"		40.0		5,012'		9 5/8"		1660		
8 1/2"		20.0		20,619		5 1/2"		3645		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
						2 7/8"	8968	ESP @ 9146		
26. Perforation record (interval, size, and number) 10,217 - 20,496 4spf, 1221 Total Shots 51 stages						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						10,217 - 20,496		521,143 bbl fluid + 24,473,062 lbs proppant		
28. PRODUCTION										
Date First Production 4/7/2021		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 4/14/2021	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 2077	Gas - MCF 1037	Water - Bbl. 3624	Gas - Oil Ratio 499			
Flow Tubing Press. 282	Casing Pressure 260	Calculated 24-Hour Rate	Oil - Bbl. 2077	Gas - MCF 1037	Water - Bbl. 3624	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By			
31. List Attachments C-104 NW, C-102 & Supplement, Directional Survey (Log uploaded to NMOCD)										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude			Longitude			NAD83				
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature 		Printed Name Cassie Evans		Title Regulatory Analyst			Date 06/10/2021			
E-mail Address cassie.evans@exxonmobil.com										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 1269'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 2403'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand 4845'	T. Morrison	
T. Drinkard	T. Bone Springs 7,692'	T. Todilto	
T. Abo	T. Rustler 891'	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 31190

ACKNOWLEDGMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 31190
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
1625 N. French Dr., Hobbs, NM 88240
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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 31190

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 31190
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	7/30/2021