

1625 N. French Dr., Hobbs, NM 88240

District II

811 S. First St., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104

Revised August 1, 2011

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

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 - 015-46378	⁵ Pool Name WILDCAT: BONE SPRING	⁶ Pool Code 98331
⁷ Property Code 328132	⁸ Property Name JAMES RANCH UNIT DI 12 ELKHORN	⁹ Well Number 702H

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
M	33	21S	30E		429	South	1966	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
P	34	21S	30E		328	South	22	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				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
005380	XTO Energy, Inc 4601 holiday Hill Rd, bldg 5 Midland TX 79707	O
373075	XTO Permian Opertaing 4601 Holiday Hill Rd, bldg 5 Midland TX 79707	G
373075	XTO Permian Opertaing 4601 Holiday Hill Rd, bldg 5 Midland TX 79707	W

IV. Well Completion Data

²¹ Spud Date 5/6/2020	²² Ready Date 12/22/2020	²³ TD 17565 MB 9233 TVD	²⁴ PBTB 17552 MB 9233 TVD	²⁵ Perforations 9591 - 17386	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
24	18.625	456	1377		
17.5	13.375	3384	1870		
12.5	9.625	10920	4435		
8.75	5.5/ 2.875	17555/ 8884	2310		

V. Well Test Data

³¹ Date New Oil 12/23/2020	³² Gas Delivery Date 12/23/2020	³³ Test Date 1/15/2021	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 151	³⁶ Csg. Pressure 121
³⁷ Choke Size	³⁸ Oil 903	³⁹ Water 2902	⁴⁰ Gas 1158		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: 08/20/2021		
Date: 02/05/2021		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 30-015-46378	² Pool Code 98331	³ Pool Name WC 015 G07 2130S33M BONE SPRING
⁴ Property Code 328132	⁵ Property Name JRU DI 12 ELKHORN	⁶ Well Number 702H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,153'

¹⁰ Surface Location

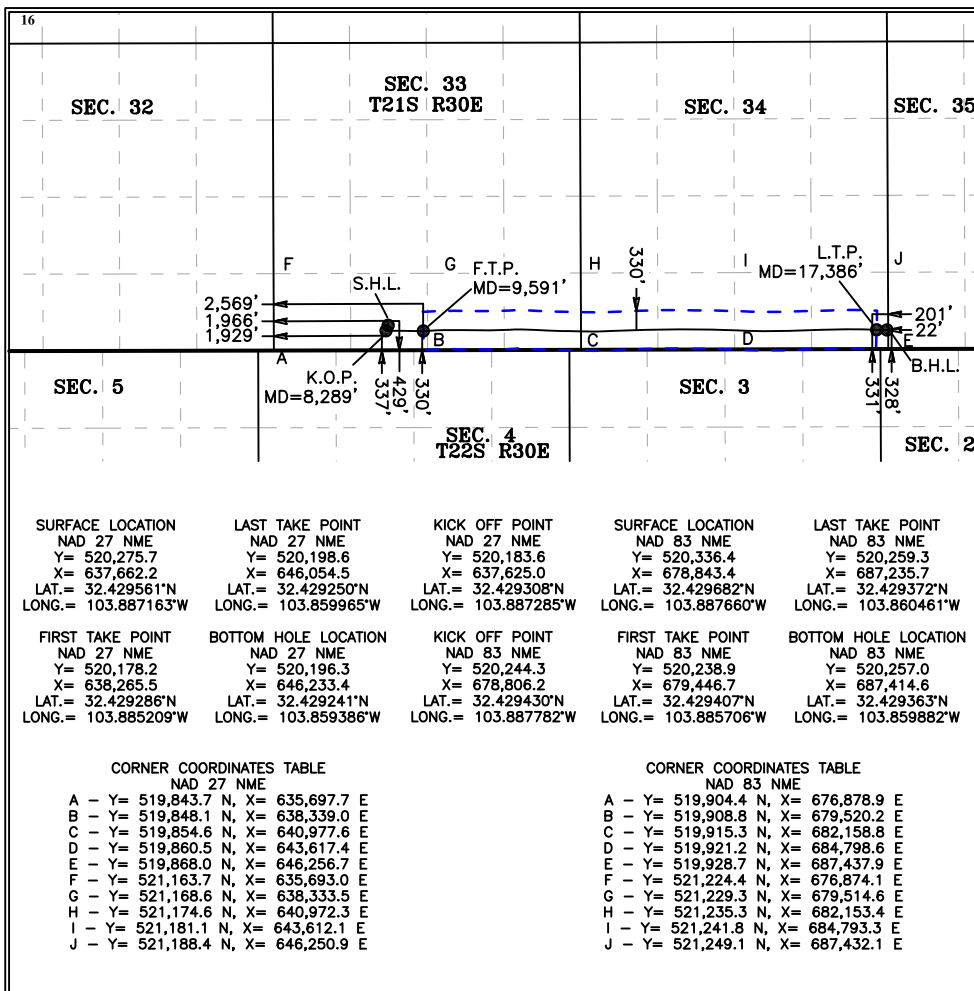
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	33	21 S	30 E		429	SOUTH	1,966	WEST	EDDY

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
P	34	21 S	30 E		328	SOUTH	22	EAST	EDDY

¹² Dedicated Acres 640	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 06/29/21

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.

1-13-2020

Date of Survey

Signature and Seal of
Professional Surveyor:

PRELIMINARY. THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OR VIEWED OR RELIED UPON AS A FINAL SURVEY DOCUMENT

MARK DILLON HARP 23786

Certificate Number JC 2019072382

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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



NABORS DRILLING TECHNOLOGIES USA, INC.
515 West Greens Road
Houston, TX 77067
Phone: 281.874.0035
Fax: 281.872.5205

Saturday, June 27, 2020

State of New Mexico
County of Eddy

Subject: **Survey Certification Letter**

Survey Company: **NABORS DRILLING TECH USA, INC.** Surface: **32.429561 N / 103.887163 W**
Job Number: **T8701** A.P.I. No: **30-015-46378**
Survey Job Type: **Nabors MWD** Location: **Eddy, NM**
Customer: **XTO Permian Operating LLC** RKB Height: **32'**
Well Name: **JRU D1 12 Elkhorn #702H** Distance to Bit: **67'**
Rig Name: **Nabors X09**

Surveyor Name	Surveyor Title	Borehole Number	Start Depth	End Depth	Start Date	End Date	Type of	TD Straight
								Line Projection
Vitello Montoya	MWD Supervisor	OH	113'	12133'	05/04/20	06/02/20	MWD	12200'
Vitello Montoya	MWD Supervisor	ST01	8251'	17482'	06/10/20	06/27/20	MWD	17565'

The data and calculations for this survey have been checked by me and conform to the calibration standards and operational procedures set forth by NABORS DRILLING TECHNOLOGIES USA, INC. I am authorized and qualified to review the data, calculations and these reports; the reports represents true and correct Directional Surveys of this well based on the original data, the minimum curvature method, corrected to Grid North and obtained at the well site.

Vitello Montoya

Vitello Montoya
MWD Supervisor
NABORS DRILLING TECHNOLOGIES USA, INC.



XTO Permian Operating, LLC

**Eddy Co., NM
JRU D1 12 Elkhorn
702H**

ST01

Design: ST01 API: 30-015-46378-01

Standard Survey Report

08 July, 2020





Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy Co., NM	TVD Reference:	RT=32 @ 3176.00ft (Nabors X09)
Site:	JRU D1 12 Elkhorn	MD Reference:	RT=32 @ 3176.00ft (Nabors X09)
Well:	702H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01 API: 30-015-46378-01	Database:	RyanUSA_32Bit

Project	Eddy Co., NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	JRU D1 12 Elkhorn		
Site Position:		Northing:	520,275.700 usft
From:	Map	Easting:	637,662.200 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	32° 25' 46.419911 N
		Longitude:	103° 53' 13.788470 W
		Grid Convergence:	0.24 °

Well	702H		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	2.00 ft	Wellhead Elevation:	ft
		Latitude:	32° 25' 46.419911 N
		Longitude:	103° 53' 13.788470 W
		Ground Level:	3,144.00 ft

Wellbore	ST01				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	4/28/2020	6.97	60.15	47,962.60000000

Design	ST01 API: 30-015-46378-01				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	89.86	

Survey Program	Date	7/8/2020			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
182.00	8,251.00	Survey #1 Pilot Hole Surveys (ST01)	MWD+HRGM	OWSG MWD + HRGM	
8,251.00	17,565.00	Survey #2 ST01 Surveys (ST01)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
182.00	1.75	359.70	181.97	2.78	-0.01	-0.01	0.96	0.96	0.00	
242.00	1.94	3.39	241.94	4.71	0.04	0.05	0.37	0.32	6.15	
333.00	1.94	357.06	332.89	7.79	0.05	0.07	0.24	0.00	-6.96	
423.00	1.81	358.29	422.84	10.73	-0.07	-0.04	0.15	-0.14	1.37	
497.00	1.75	2.34	496.80	13.02	-0.06	-0.02	0.19	-0.08	5.47	
528.00	1.75	1.46	527.79	13.97	-0.03	0.01	0.09	0.00	-2.84	
621.00	0.69	345.11	620.77	15.93	-0.13	-0.09	1.19	-1.14	-17.58	
713.00	0.38	256.34	712.77	16.39	-0.57	-0.53	0.85	-0.34	-96.49	
806.00	0.75	227.69	805.76	15.91	-1.32	-1.28	0.49	0.40	-30.81	



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy Co., NM	TVD Reference:	RT=32 @ 3176.00ft (Nabors X09)
Site:	JRU D1 12 Elkhorn	MD Reference:	RT=32 @ 3176.00ft (Nabors X09)
Well:	702H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01 API: 30-015-46378-01	Database:	RyanUSA_32Bit

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
899.00	1.19	210.64	898.75	14.67	-2.26	-2.23	0.56	0.47	-18.33
994.00	1.00	215.56	993.73	13.15	-3.25	-3.22	0.22	-0.20	5.18
1,086.00	0.81	211.34	1,085.72	11.94	-4.05	-4.02	0.22	-0.21	-4.59
1,180.00	0.56	214.85	1,179.71	11.00	-4.66	-4.63	0.27	-0.27	3.73
1,275.00	0.38	208.35	1,274.71	10.34	-5.08	-5.05	0.20	-0.19	-6.84
1,368.00	0.13	219.25	1,367.71	9.98	-5.29	-5.27	0.27	-0.27	11.72
1,462.00	0.19	186.20	1,461.71	9.75	-5.37	-5.35	0.11	0.06	-35.16
1,554.00	0.06	271.63	1,553.71	9.60	-5.44	-5.42	0.21	-0.14	92.86
1,648.00	0.13	257.75	1,647.71	9.57	-5.59	-5.57	0.08	0.07	-14.77
1,743.00	0.25	353.02	1,742.71	9.76	-5.72	-5.70	0.31	0.13	100.28
1,839.00	0.25	16.75	1,838.71	10.17	-5.69	-5.66	0.11	0.00	24.72
1,932.00	0.50	335.62	1,931.70	10.73	-5.80	-5.77	0.38	0.27	-44.23
2,027.00	0.44	344.41	2,026.70	11.46	-6.07	-6.04	0.10	-0.06	9.25
2,121.00	0.69	6.20	2,120.70	12.37	-6.10	-6.07	0.35	0.27	23.18
2,215.00	0.63	350.73	2,214.69	13.44	-6.12	-6.09	0.20	-0.06	-16.46
2,308.00	0.88	352.14	2,307.68	14.65	-6.30	-6.27	0.27	0.27	1.52
2,401.00	0.69	349.50	2,400.67	15.91	-6.50	-6.46	0.21	-0.20	-2.84
2,495.00	0.25	4.62	2,494.67	16.67	-6.59	-6.55	0.48	-0.47	16.09
2,588.00	0.38	142.08	2,587.67	16.63	-6.38	-6.34	0.63	0.14	147.81
2,682.00	0.50	93.39	2,681.67	16.36	-5.78	-5.74	0.40	0.13	-51.80
2,776.00	0.50	161.59	2,775.66	15.95	-5.24	-5.21	0.60	0.00	72.55
2,868.00	1.13	202.55	2,867.65	14.73	-5.47	-5.43	0.89	0.68	44.52
2,961.00	1.00	209.05	2,960.64	13.17	-6.21	-6.18	0.19	-0.14	6.99
3,055.00	0.69	178.64	3,054.63	11.89	-6.60	-6.57	0.57	-0.33	-32.35
3,150.00	0.50	130.66	3,149.62	11.05	-6.27	-6.24	0.54	-0.20	-50.51
3,245.00	0.38	155.79	3,244.62	10.49	-5.82	-5.80	0.24	-0.13	26.45
3,301.00	0.19	178.12	3,300.62	10.23	-5.75	-5.72	0.39	-0.34	39.88
3,400.00	0.25	184.09	3,399.62	9.85	-5.76	-5.73	0.06	0.06	6.03
3,436.00	0.38	168.45	3,435.62	9.65	-5.74	-5.71	0.43	0.36	-43.44
3,530.00	2.63	191.30	3,529.58	7.23	-6.10	-6.08	2.43	2.39	24.31
3,624.00	4.63	189.54	3,623.39	1.38	-7.15	-7.15	2.13	2.13	-1.87
3,719.00	5.56	187.61	3,718.01	-6.97	-8.39	-8.41	1.00	0.98	-2.03
3,814.00	5.31	186.91	3,812.58	-15.89	-9.53	-9.57	0.27	-0.26	-0.74
3,908.00	5.31	187.78	3,906.18	-24.52	-10.64	-10.70	0.09	0.00	0.93
4,002.00	5.19	187.78	3,999.79	-33.04	-11.81	-11.89	0.13	-0.13	0.00
4,097.00	5.19	187.61	4,094.40	-41.56	-12.96	-13.06	0.02	0.00	-0.18
4,192.00	5.13	188.66	4,189.01	-50.02	-14.17	-14.29	0.12	-0.06	1.11
4,286.00	5.13	188.66	4,282.64	-58.32	-15.43	-15.58	0.00	0.00	0.00
4,381.00	4.94	187.08	4,377.27	-66.58	-16.58	-16.74	0.25	-0.20	-1.66
4,475.00	4.38	188.66	4,470.96	-74.15	-17.62	-17.80	0.61	-0.60	1.68
4,570.00	2.63	191.12	4,565.78	-79.87	-18.58	-18.78	1.85	-1.84	2.59
4,664.00	1.94	196.22	4,659.70	-83.52	-19.44	-19.65	0.76	-0.73	5.43
4,758.00	2.19	196.05	4,753.64	-86.77	-20.38	-20.60	0.27	0.27	-0.18



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy Co., NM	TVD Reference:	RT=32 @ 3176.00ft (Nabors X09)
Site:	JRU D1 12 Elkhorn	MD Reference:	RT=32 @ 3176.00ft (Nabors X09)
Well:	702H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01 API: 30-015-46378-01	Database:	RyanUSA_32Bit

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,853.00	2.13	198.51	4,848.57	-90.19	-21.45	-21.67	0.12	-0.06	2.59
4,948.00	2.31	192.00	4,943.50	-93.74	-22.41	-22.63	0.33	0.19	-6.85
5,042.00	2.06	200.27	5,037.43	-97.17	-23.38	-23.62	0.43	-0.27	8.80
5,136.00	1.06	235.07	5,131.40	-99.26	-24.68	-24.92	1.42	-1.06	37.02
5,230.00	0.94	247.90	5,225.38	-100.04	-26.11	-26.35	0.27	-0.13	13.65
5,324.00	0.44	301.87	5,319.38	-100.14	-27.13	-27.38	0.82	-0.53	57.41
5,418.00	0.81	335.62	5,413.37	-99.35	-27.71	-27.95	0.54	0.39	35.90
5,513.00	0.81	345.64	5,508.36	-98.09	-28.16	-28.39	0.15	0.00	10.55
5,607.00	0.63	350.73	5,602.36	-96.93	-28.40	-28.64	0.20	-0.19	5.41
5,702.00	0.75	353.72	5,697.35	-95.80	-28.56	-28.79	0.13	0.13	3.15
5,796.00	0.63	347.92	5,791.34	-94.68	-28.73	-28.96	0.15	-0.13	-6.17
5,891.00	0.63	333.51	5,886.34	-93.70	-29.07	-29.30	0.17	0.00	-15.17
5,986.00	0.75	324.89	5,981.33	-92.73	-29.66	-29.89	0.17	0.13	-9.07
6,080.00	0.94	307.32	6,075.32	-91.76	-30.63	-30.85	0.34	0.20	-18.69
6,174.00	0.69	308.19	6,169.31	-90.94	-31.69	-31.91	0.27	-0.27	0.93
6,269.00	0.81	291.85	6,264.30	-90.34	-32.76	-32.98	0.26	0.13	-17.20
6,363.00	0.94	302.39	6,358.29	-89.68	-34.03	-34.25	0.22	0.14	11.21
6,458.00	0.38	299.93	6,453.28	-89.10	-34.96	-35.18	0.59	-0.59	-2.59
6,553.00	0.25	281.83	6,548.28	-88.90	-35.44	-35.65	0.17	-0.14	-19.05
6,647.00	0.13	279.02	6,642.28	-88.84	-35.74	-35.96	0.13	-0.13	-2.99
6,741.00	0.19	304.33	6,736.28	-88.74	-35.98	-36.19	0.10	0.06	26.93
6,836.00	0.19	232.78	6,831.28	-88.74	-36.23	-36.45	0.23	0.00	-75.32
6,929.00	0.06	19.91	6,924.28	-88.79	-36.34	-36.55	0.26	-0.14	158.20
7,022.00	0.31	225.40	7,017.28	-88.92	-36.50	-36.72	0.39	0.27	-166.14
7,115.00	0.31	135.75	7,110.28	-89.28	-36.50	-36.72	0.47	0.00	-96.40
7,210.00	0.13	139.62	7,205.28	-89.55	-36.26	-36.47	0.19	-0.19	4.07
7,304.00	0.19	247.20	7,299.28	-89.69	-36.33	-36.55	0.28	0.06	114.45
7,399.00	0.19	225.93	7,394.28	-89.86	-36.59	-36.81	0.07	0.00	-22.39
7,493.00	0.31	234.89	7,488.28	-90.11	-36.91	-37.13	0.13	0.13	9.53
7,588.00	0.25	196.22	7,583.28	-90.46	-37.18	-37.40	0.20	-0.06	-40.71
7,683.00	0.19	285.17	7,678.28	-90.62	-37.39	-37.61	0.33	-0.06	93.63
7,778.00	0.38	283.41	7,773.28	-90.50	-37.84	-38.07	0.20	0.20	-1.85
7,872.00	0.31	304.50	7,867.27	-90.29	-38.36	-38.58	0.15	-0.07	22.44
7,967.00	0.44	269.52	7,962.27	-90.14	-38.93	-39.15	0.27	0.14	-36.82
8,061.00	0.31	201.32	8,056.27	-90.38	-39.39	-39.61	0.46	-0.14	-72.55
8,156.00	0.69	124.50	8,151.27	-90.95	-39.01	-39.23	0.73	0.40	-80.86
8,251.00	0.56	163.18	8,246.26	-91.72	-38.40	-38.63	0.45	-0.14	40.72
8,318.00	3.68	99.74	8,313.21	-92.39	-36.19	-36.41	5.17	4.66	-94.69
8,412.00	3.55	103.61	8,407.02	-93.59	-30.39	-30.62	0.29	-0.14	4.12
8,505.00	3.25	105.90	8,499.86	-94.99	-25.05	-25.29	0.35	-0.32	2.46
8,600.00	3.90	100.71	8,594.68	-96.33	-19.29	-19.52	0.76	0.68	-5.46
8,646.00	5.48	90.95	8,640.52	-96.65	-15.56	-15.79	3.84	3.43	-21.22
8,693.00	7.28	91.04	8,687.23	-96.75	-10.33	-10.57	3.83	3.83	0.19



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy Co., NM	TVD Reference:	RT=32 @ 3176.00ft (Nabors X09)
Site:	JRU D1 12 Elkhorn	MD Reference:	RT=32 @ 3176.00ft (Nabors X09)
Well:	702H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01 API: 30-015-46378-01	Database:	RyanUSA_32Bit

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,719.00	7.92	92.36	8,713.00	-96.85	-6.90	-7.13	2.55	2.46	5.08
8,812.00	12.96	90.85	8,804.43	-97.27	9.94	9.71	5.43	5.42	-1.62
8,859.00	16.80	87.69	8,849.85	-97.07	22.00	21.77	8.35	8.17	-6.72
8,890.00	19.33	87.66	8,879.32	-96.68	31.61	31.37	8.16	8.16	-0.10
8,906.00	20.60	87.75	8,894.35	-96.46	37.07	36.83	7.94	7.94	0.56
9,000.00	32.52	88.16	8,978.28	-95.00	79.00	78.76	12.68	12.68	0.44
9,031.00	38.17	88.07	9,003.56	-94.41	96.91	96.68	18.23	18.23	-0.29
9,062.00	43.52	88.21	9,027.00	-93.75	117.17	116.94	17.26	17.26	0.45
9,094.00	48.42	88.83	9,049.24	-93.16	140.16	139.93	15.38	15.31	1.94
9,141.00	56.09	89.87	9,077.99	-92.76	177.30	177.07	16.41	16.32	2.21
9,188.00	59.18	92.22	9,103.14	-93.50	216.98	216.75	7.81	6.57	5.00
9,235.00	63.89	91.56	9,125.54	-94.85	258.26	258.03	10.10	10.02	-1.40
9,282.00	68.07	91.81	9,144.67	-96.12	301.16	300.93	8.91	8.89	0.53
9,329.00	72.36	91.06	9,160.57	-97.22	345.37	345.13	9.25	9.13	-1.60
9,375.00	76.68	90.83	9,172.85	-97.95	389.68	389.44	9.40	9.39	-0.50
9,467.00	81.33	90.37	9,190.39	-98.89	479.96	479.72	5.08	5.05	-0.50
9,561.00	86.45	89.09	9,200.39	-98.45	573.39	573.15	5.61	5.45	-1.36
9,654.00	89.02	87.36	9,204.07	-95.57	666.26	666.03	3.33	2.76	-1.86
9,749.00	89.26	86.98	9,205.49	-90.88	761.14	760.91	0.47	0.25	-0.40
9,843.00	88.63	87.73	9,207.22	-86.54	855.02	854.81	1.04	-0.67	0.80
9,938.00	88.29	88.57	9,209.78	-83.47	949.94	949.73	0.95	-0.36	0.88
10,032.00	87.21	88.80	9,213.47	-81.32	1,043.84	1,043.64	1.17	-1.15	0.24
10,126.00	87.38	90.44	9,217.90	-80.70	1,137.73	1,137.53	1.75	0.18	1.74
10,221.00	88.84	90.84	9,221.04	-81.76	1,232.67	1,232.46	1.59	1.54	0.42
10,315.00	91.65	91.26	9,220.63	-83.48	1,326.64	1,326.43	3.02	2.99	0.45
10,410.00	91.16	90.90	9,218.31	-85.27	1,421.59	1,421.38	0.64	-0.52	-0.38
10,503.00	90.53	90.41	9,216.93	-86.33	1,514.58	1,514.36	0.86	-0.68	-0.53
10,603.00	89.52	89.48	9,216.89	-86.24	1,614.58	1,614.36	1.37	-1.01	-0.93
10,696.00	90.88	89.76	9,216.57	-85.62	1,707.57	1,707.36	1.49	1.46	0.30
10,790.00	91.79	89.35	9,214.38	-84.89	1,801.54	1,801.33	1.06	0.97	-0.44
10,882.00	90.38	88.47	9,212.63	-83.14	1,893.50	1,893.30	1.81	-1.53	-0.96
10,976.00	91.32	88.17	9,211.24	-80.38	1,987.45	1,987.25	1.05	1.00	-0.32
11,070.00	91.54	87.30	9,208.89	-76.67	2,081.35	2,081.16	0.95	0.23	-0.93
11,162.00	91.01	86.02	9,206.85	-71.31	2,173.17	2,172.99	1.51	-0.58	-1.39
11,256.00	90.64	89.60	9,205.49	-67.72	2,267.07	2,266.90	3.83	-0.39	3.81
11,350.00	91.01	93.49	9,204.14	-70.25	2,361.01	2,360.83	4.16	0.39	4.14
11,444.00	90.76	93.87	9,202.69	-76.29	2,454.81	2,454.61	0.48	-0.27	0.40
11,538.00	91.22	93.18	9,201.06	-82.07	2,548.61	2,548.41	0.88	0.49	-0.73
11,632.00	91.72	92.12	9,198.65	-86.41	2,642.48	2,642.26	1.25	0.53	-1.13
11,726.00	90.62	91.89	9,196.73	-89.70	2,736.40	2,736.17	1.20	-1.17	-0.24
11,821.00	90.20	91.74	9,196.05	-92.71	2,831.35	2,831.12	0.47	-0.44	-0.16
11,914.00	89.99	91.34	9,195.90	-95.21	2,924.32	2,924.08	0.49	-0.23	-0.43
12,009.00	89.10	90.93	9,196.65	-97.09	3,019.29	3,019.05	1.03	-0.94	-0.43
12,103.00	89.27	91.35	9,197.99	-98.96	3,113.27	3,113.02	0.48	0.18	0.45



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy Co., NM	TVD Reference:	RT=32 @ 3176.00ft (Nabors X09)
Site:	JRU D1 12 Elkhorn	MD Reference:	RT=32 @ 3176.00ft (Nabors X09)
Well:	702H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01 API: 30-015-46378-01	Database:	RyanUSA_32Bit

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
12,197.00	89.97	91.25	9,198.61	-101.09	3,207.24	3,206.98	0.75	0.74	-0.11
12,291.00	89.90	91.25	9,198.72	-103.14	3,301.22	3,300.96	0.07	-0.07	0.00
12,386.00	89.44	90.58	9,199.27	-104.66	3,396.20	3,395.94	0.86	-0.48	-0.71
12,480.00	89.82	90.93	9,199.87	-105.90	3,490.19	3,489.92	0.55	0.40	0.37
12,575.00	91.78	90.61	9,198.55	-107.17	3,585.17	3,584.90	2.09	2.06	-0.34
12,669.00	90.13	88.93	9,196.98	-106.80	3,679.15	3,678.88	2.50	-1.76	-1.79
12,762.00	88.89	87.54	9,197.78	-103.93	3,772.10	3,771.83	2.00	-1.33	-1.49
12,856.00	89.19	87.24	9,199.35	-99.65	3,865.99	3,865.73	0.45	0.32	-0.32
12,950.00	88.87	87.10	9,200.94	-95.01	3,959.86	3,959.61	0.37	-0.34	-0.15
13,044.00	89.80	87.52	9,202.03	-90.60	4,053.75	4,053.51	1.09	0.99	0.45
13,138.00	89.38	88.01	9,202.71	-86.93	4,147.67	4,147.45	0.69	-0.45	0.52
13,231.00	88.61	88.16	9,204.34	-83.83	4,240.61	4,240.39	0.84	-0.83	0.16
13,326.00	88.19	88.29	9,206.99	-80.89	4,335.52	4,335.31	0.46	-0.44	0.14
13,420.00	87.79	88.11	9,210.29	-77.94	4,429.42	4,429.22	0.47	-0.43	-0.19
13,514.00	89.73	88.42	9,212.32	-75.09	4,523.35	4,523.15	2.09	2.06	0.33
13,608.00	89.43	87.53	9,213.01	-71.77	4,617.29	4,617.10	1.00	-0.32	-0.95
13,702.00	90.92	88.28	9,212.72	-68.33	4,711.22	4,711.04	1.77	1.59	0.80
13,796.00	92.05	90.91	9,210.29	-67.67	4,805.18	4,805.00	3.04	1.20	2.80
13,890.00	92.63	90.35	9,206.45	-68.70	4,899.09	4,898.91	0.86	0.62	-0.60
13,984.00	90.45	91.24	9,203.92	-70.00	4,993.04	4,992.86	2.50	-2.32	0.95
14,078.00	90.78	90.88	9,202.91	-71.74	5,087.02	5,086.83	0.52	0.35	-0.38
14,172.00	91.32	90.46	9,201.19	-72.84	5,181.00	5,180.80	0.73	0.57	-0.45
14,266.00	91.40	90.63	9,198.96	-73.74	5,274.97	5,274.77	0.20	0.09	0.18
14,360.00	89.86	89.97	9,197.93	-74.23	5,368.96	5,368.76	1.78	-1.64	-0.70
14,455.00	89.99	89.91	9,198.05	-74.13	5,463.96	5,463.76	0.15	0.14	-0.06
14,549.00	89.19	90.29	9,198.72	-74.29	5,557.95	5,557.75	0.94	-0.85	0.40
14,642.00	91.19	91.57	9,198.41	-75.80	5,650.93	5,650.73	2.55	2.15	1.38
14,737.00	94.61	92.35	9,193.61	-79.05	5,745.74	5,745.53	3.69	3.60	0.82
14,832.00	89.96	91.37	9,189.82	-82.12	5,840.59	5,840.37	5.00	-4.89	-1.03
14,926.00	87.93	91.68	9,191.55	-84.63	5,934.53	5,934.31	2.18	-2.16	0.33
15,020.00	88.04	91.66	9,194.86	-87.36	6,028.44	6,028.21	0.12	0.12	-0.02
15,113.00	91.39	92.76	9,195.32	-90.95	6,121.35	6,121.11	3.79	3.60	1.18
15,222.00	90.71	92.11	9,193.32	-95.58	6,230.23	6,229.98	0.86	-0.62	-0.60
15,316.00	89.43	91.78	9,193.21	-98.77	6,324.18	6,323.92	1.41	-1.36	-0.35
15,411.00	89.50	89.60	9,194.09	-99.91	6,419.16	6,418.90	2.30	0.07	-2.29
15,505.00	89.09	89.98	9,195.25	-99.57	6,513.15	6,512.89	0.59	-0.44	0.40
15,599.00	86.30	89.98	9,199.03	-99.54	6,607.07	6,606.80	2.97	-2.97	0.00
15,694.00	86.03	89.73	9,205.39	-99.30	6,701.85	6,701.59	0.39	-0.28	-0.26
15,788.00	87.71	88.46	9,210.52	-97.81	6,795.70	6,795.44	2.24	1.79	-1.35
15,882.00	89.16	88.13	9,213.09	-95.02	6,889.62	6,889.36	1.58	1.54	-0.35
15,977.00	89.36	87.83	9,214.31	-91.67	6,984.55	6,984.31	0.38	0.21	-0.32
16,071.00	91.28	87.75	9,213.79	-88.04	7,078.47	7,078.24	2.04	2.04	-0.09
16,165.00	88.59	88.32	9,213.89	-84.82	7,172.41	7,172.18	2.93	-2.86	0.61



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy Co., NM	TVD Reference:	RT=32 @ 3176.00ft (Nabors X09)
Site:	JRU D1 12 Elkhorn	MD Reference:	RT=32 @ 3176.00ft (Nabors X09)
Well:	702H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01 API: 30-015-46378-01	Database:	RyanUSA_32Bit

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
16,258.00	88.05	88.96	9,216.62	-82.61	7,265.34	7,265.12	0.90	-0.58	0.69	
16,352.00	87.78	89.25	9,220.04	-81.15	7,359.27	7,359.05	0.42	-0.29	0.31	
16,447.00	87.31	88.65	9,224.11	-79.41	7,454.17	7,453.95	0.80	-0.49	-0.63	
16,541.00	89.16	88.16	9,227.00	-76.79	7,548.08	7,547.87	2.04	1.97	-0.52	
16,635.00	89.90	87.50	9,227.78	-73.23	7,642.01	7,641.81	1.05	0.79	-0.70	
16,730.00	90.67	86.95	9,227.30	-68.63	7,736.89	7,736.70	1.00	0.81	-0.58	
16,823.00	92.12	90.06	9,225.04	-66.21	7,829.82	7,829.64	3.69	1.56	3.34	
16,917.00	92.45	90.40	9,221.29	-66.59	7,923.75	7,923.56	0.50	0.35	0.36	
17,011.00	90.97	90.17	9,218.49	-67.05	8,017.70	8,017.51	1.59	-1.57	-0.24	
17,105.00	90.27	91.61	9,217.47	-68.51	8,111.68	8,111.49	1.70	-0.74	1.53	
17,200.00	89.50	91.74	9,217.66	-71.29	8,206.64	8,206.44	0.82	-0.81	0.14	
17,294.00	85.43	92.11	9,221.82	-74.44	8,300.47	8,300.27	4.35	-4.33	0.39	
17,387.00	88.45	91.15	9,226.78	-77.08	8,393.29	8,393.08	3.41	3.25	-1.03	
17,482.00	87.88	90.60	9,229.82	-78.53	8,488.23	8,488.01	0.83	-0.60	-0.58	
17,565.00	87.88	90.60	9,232.89	-79.40	8,571.17	8,570.95	0.00	0.00	0.00	
PTB @ 17565' MD										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
17,565.00	9,232.89	-79.40	8,571.17	PTB @ 17565' MD	

Checked By: _____ Approved By: _____ Date: _____

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					
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 JAMES RANCH UNIT DI 12 ELKHORN		
								6. Well Number: 702H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator XTO ENERGY INC						9. OGRID 373075				
10. Address of Operator 6401 HOLIDAY HILL ROAD BLDG 5 MIDLAND, TX 79707						11. Pool name or Wildcat WILDCAT;BONESPRING				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	M	33	21S	30E		429	South	1966	West	Eddy
BH:	P	34	21S	30E		328	South	22	East	Eddy
13. Date Spudded 5/6/2020	14. Date T.D. Reached 6/30/2020		15. Date Rig Released 7/5/2020		16. Date Completed (Ready to Produce) 12/22/2020			17. Elevations (DF and RKB, RT, GR, etc.) 3112 GL		
18. Total Measured Depth of Well 17565			19. Plug Back Measured Depth 17552		20. Was Directional Survey Made? yes			21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 9591' - 17386' WILDCAT;BONESPRING										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
18 5/8"		87.5		456		24"		1377		
13 3/8"		68		3384		17 1/2"		1870		
9 5/8"		40		10920		12 1/2"		4435		
5 1/2"		20		17555		8 3/4"		2310		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
						2 7/8	8884	8870		
26. Perforation record (interval, size, and number) 9591' - 17386' , 4spf, 1176 Total shots 39 stages						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						9591' - 17386'		379,424 bbl fluid + 18,526,145 lbs proppant		
28. PRODUCTION										
Date First Production 12/23/2020		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 1/15/2021	Hours Tested 24 hrs	Choke Size	Prod'n For Test Period	Oil - Bbl 903	Gas - MCF 1158	Water - Bbl. 2902	Gas - Oil Ratio 1281			
Flow Tubing Press. 151	Casing Pressure 121	Calculated 24-Hour Rate	Oil - Bbl. 903	Gas - MCF 1158	Water - Bbl. 2902	Oil Gravity - API - (<i>Corr.</i>)				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) 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 Printed Name Cassie Evans Title Regulatory Analyst Date 02/05/2021 Signature <i>Cassie Evans</i> 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 ⁴⁷	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt ⁶⁶⁹	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	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 ³³⁹	T. Morrison	
T. Drinkard	T. Bone Springs ⁷¹⁵⁴	T. Todilto	
T. Abo	T.	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.....

LITHOLOGICAL CORE (When additional sheet is necessary)				LITHOLOGICAL CORE (When additional sheet is necessary)			
From	To	Thickness In Feet	Lithology	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 34334

ACKNOWLEDGMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 34334
	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.

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CONDITIONS

Action 34334

CONDITIONS

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	Action Number: 34334
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	8/20/2021