

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

NMOCD Rec'd: 09/29/2020
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 4601 Holiday Hill Rd bldg #5 Midland, TX 79707		² OGRID Number 005380	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30 - 0 15- 45592	⁵ Pool Name Willow Lake - Bone Spring, SE		⁶ Pool Code 96217
⁷ Property Code 314121	⁸ Property Name Corral Canyon Federal		⁹ Well Number 220H

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
J	10	25S	29E		1945	South	2080	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
O	15	25S	29E		51	South	1969	East	Eddy
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date 09/12/2020		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
034053	Plains Marketing, LP PO Box 4648 Houston, TX 77210	O
248440	Western Refining Company, LP 6500 Trowbridge Drive El Paso, TX 79905	O
372422	Luic Energy Delaware, LLC 3100 Mckinnon Suite 800 Artesia, NM 88210	G

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
03/19/2019	09/12/2020	16666/8856	16663/8856	9270 - 16526	N/A
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17 1/2		13 3/8	800		1710
12 1/4		9 5/8	2981		1200
8 1/2		5 1/2	16665		2730

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
09/13/2020	09/13/2020	09/14/2020	24	491	205
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
	1069	3180	2161		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: <i>[Signature]</i>		
Title: Regulatory Analyst			Title: BUSINESS OP. SPEC.		
E-mail Address: cassie_evans@xtoenergy.com			Approval Date: 02/24/2021		
Date: 09/23/2020		Phone:	<i>2/22/2021 - Request for NMOCD extension of time to file BLM - approved form 3160-4. File 3160-4 within 10 days to NMOCD after BLM approval.</i>		

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 30-015-45592	² Pool Code 96217	³ Pool Name Willow Lake-Bone Spring, SE
⁴ Property Code 314121	⁵ Property Name CORRAL CANYON FEDERAL	⁶ Well Number 220H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 3,035'

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
J	10	25 S	29 E		1,945	SOUTH	2,080	EAST	EDDY

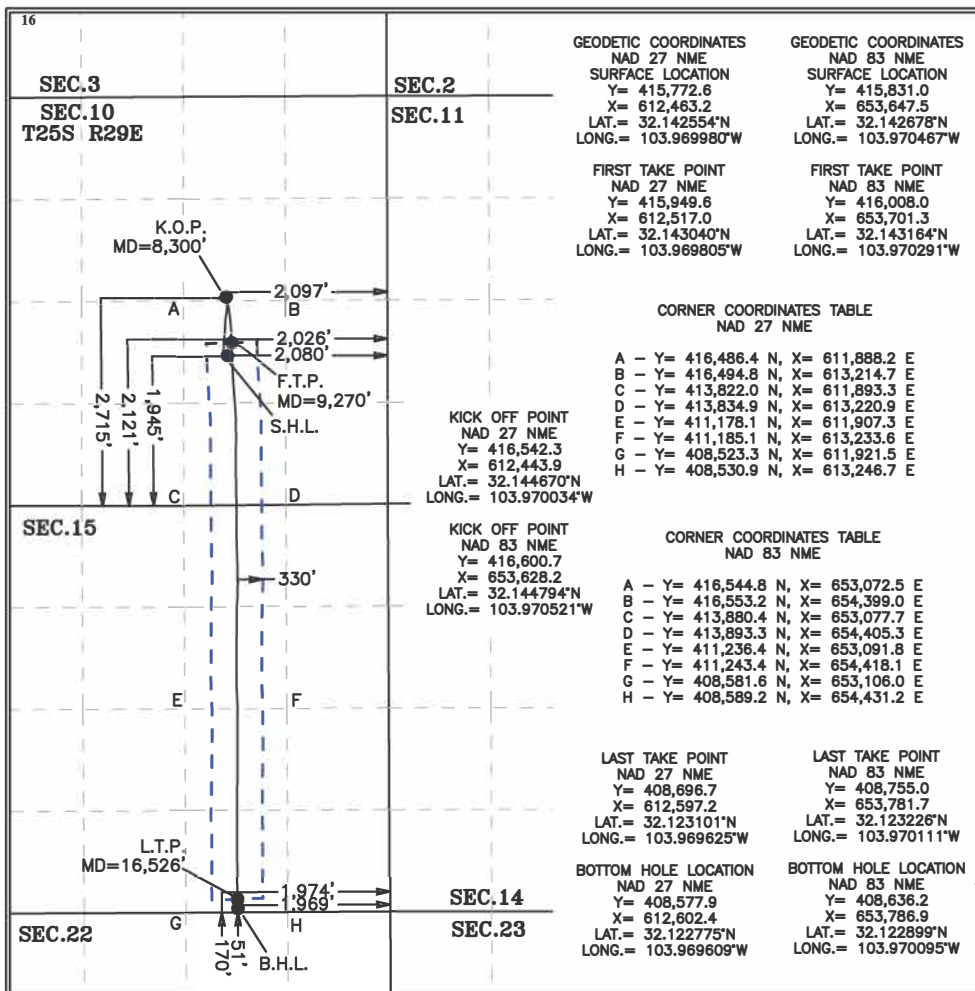
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	15	25 S	29 E		51	SOUTH	1,969	EAST	EDDY

¹² Dedicated Acres 240	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

09/16/2020

Signature

Date

Cassie Evans

Printed Name

cassie_evans@xtoenergy.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.

9-3-2020

Date of Survey

Signature and Seal of
Professional Surveyor:



MARK DILLON HARP 23786

Certificate Number

AW/JC

2017122140

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



I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **03/19/19** thru **04/12/19** conduct or supervise the taking of a **MWD Survey** from a depth of **104'** to a depth of **16645'**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Wellbenders Directional Services**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **XTO Energy Inc** for the **Corral Canyon Fed 220H API No. 30-015-45592** in **Eddy County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Wellbenders Directional Services**.

Larry Wright

*13901 Hwy 105W, Conroe, Texas
77304
PH 936-539-9602*



Wellbenders

End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #220H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Well:	#220H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Project	Eddy County, NM (Nad-27 / East Zone)		
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	Corral Canyon Federal		
Site Position:		Northing:	419,304.30 usft
From:	Map	Easting:	603,207.70 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32.152345
		Longitude:	-103.999848
		Grid Convergence:	0.177 °

Well	#220H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32.142554
		Longitude:	-103.969980
		Ground Level:	3,035.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/31/2019	6.940	59.902	47,667.09932485

Design	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.78

Survey Program	Date	4/13/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
104.00	16,645.00	Survey #1 (OH)	WBDS_IGRF	OWSG MWD + IGRF or WMM



Wellbenders

End Of Well Report

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Well:	#220H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LTP CC Fed #220H - SHL CC Fed #220H										
104.00	0.01	325.80	104.00	0.01	-0.01	-0.01	104.00	325.80	0.01	
135.00	0.01	325.80	135.00	0.01	-0.01	-0.01	31.00	325.80	0.00	
195.00	0.20	230.30	195.00	-0.05	-0.09	0.05	60.00	233.16	0.34	
226.00	0.10	255.50	226.00	-0.09	-0.16	0.09	31.00	238.64	0.38	
287.00	0.80	229.40	287.00	-0.38	-0.53	0.38	61.00	232.23	1.17	
346.00	0.90	209.70	345.99	-1.05	-1.08	1.05	59.00	218.96	0.52	
405.00	1.40	215.50	404.98	-2.04	-1.72	2.04	59.00	213.23	0.87	
465.00	1.50	214.40	464.96	-3.29	-2.59	3.28	60.00	214.93	0.17	
523.00	2.20	233.20	522.93	-4.58	-3.91	4.57	58.00	225.59	1.58	
580.00	2.50	277.90	579.89	-5.06	-6.02	5.04	57.00	257.05	3.17	
641.00	2.60	279.40	640.83	-4.66	-8.70	4.62	61.00	278.66	0.20	
706.00	2.70	276.30	705.76	-4.25	-11.68	4.20	65.00	277.82	0.27	
787.00	3.10	260.90	786.65	-4.38	-15.74	4.32	81.00	268.07	1.08	
870.00	2.20	274.40	869.57	-4.62	-19.54	4.54	83.00	266.50	1.31	
933.00	2.30	280.20	932.52	-4.30	-21.99	4.22	63.00	277.36	0.39	
1,028.00	2.50	279.20	1,027.43	-3.63	-25.92	3.53	95.00	279.68	0.22	
1,121.00	2.60	276.80	1,120.34	-3.06	-30.01	2.94	93.00	277.98	0.16	
1,220.00	2.20	278.30	1,219.25	-2.52	-34.12	2.39	99.00	277.49	0.41	
1,315.00	2.00	281.30	1,314.19	-1.93	-37.55	1.78	95.00	279.73	0.24	
1,410.00	2.10	285.50	1,409.13	-1.14	-40.86	0.98	95.00	283.45	0.19	
1,504.00	1.70	309.50	1,503.08	0.21	-43.59	-0.38	94.00	296.22	0.94	
1,599.00	1.80	323.40	1,598.04	2.30	-45.57	-2.48	95.00	316.65	0.46	
1,695.00	1.80	317.50	1,693.99	4.62	-47.49	-4.81	96.00	320.45	0.19	
1,790.00	2.00	311.00	1,788.94	6.81	-49.74	-7.00	95.00	314.08	0.31	
1,885.00	2.10	303.70	1,883.88	8.87	-52.44	-9.07	95.00	307.26	0.29	



Wellbenders

End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #220H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Well:	#220H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
1,980.00	2.20	303.40	1,978.81	10.83	-55.41	-11.05	95.00	303.55	0.11	
2,075.00	2.50	295.00	2,073.73	12.71	-58.81	-12.94	95.00	298.93	0.48	
2,170.00	2.70	290.30	2,168.63	14.37	-62.79	-14.61	95.00	292.56	0.31	
2,264.00	2.80	280.50	2,262.52	15.55	-67.12	-15.81	94.00	285.31	0.51	
2,359.00	3.00	278.30	2,357.40	16.33	-71.87	-16.61	95.00	279.36	0.24	
2,452.00	1.50	300.80	2,450.33	17.31	-75.32	-17.60	93.00	285.76	1.84	
2,546.00	1.00	312.40	2,544.31	18.49	-76.98	-18.79	94.00	305.44	0.59	
2,642.00	0.80	344.00	2,640.29	19.70	-77.79	-20.00	96.00	326.40	0.55	
2,792.00	0.40	50.30	2,790.29	21.04	-77.67	-21.34	150.00	4.87	0.49	
2,830.00	1.10	90.10	2,828.28	21.13	-77.20	-21.42	38.00	79.79	2.19	
2,924.00	1.60	103.40	2,922.26	20.82	-75.03	-21.11	94.00	97.99	0.62	
2,978.00	1.80	102.30	2,976.23	20.47	-73.46	-20.75	54.00	102.82	0.38	
3,047.00	1.80	98.35	3,045.20	20.08	-71.33	-20.35	69.00	100.33	0.18	
3,142.00	1.89	45.08	3,140.16	20.97	-68.75	-21.23	95.00	71.01	1.74	
3,237.00	3.78	20.83	3,235.04	25.00	-66.52	-25.26	95.00	28.86	2.31	
3,331.00	5.54	12.48	3,328.73	32.33	-64.44	-32.57	94.00	15.87	2.00	
3,426.00	7.47	10.37	3,423.11	42.88	-62.34	-43.12	95.00	11.27	2.05	
3,521.00	8.97	11.69	3,517.13	56.21	-59.73	-56.44	95.00	11.09	1.59	
3,616.00	10.55	9.58	3,610.75	72.04	-56.78	-72.25	95.00	10.55	1.70	
3,711.00	10.11	10.02	3,704.21	88.82	-53.88	-89.03	95.00	9.80	0.47	
3,805.00	10.33	5.45	3,796.72	105.34	-51.64	-105.54	94.00	7.71	0.89	
3,900.00	10.33	3.69	3,890.19	122.32	-50.29	-122.51	95.00	4.57	0.33	
3,994.00	9.98	4.57	3,982.71	138.85	-49.10	-139.03	94.00	4.12	0.41	
4,089.00	10.37	2.55	4,076.22	155.59	-48.06	-155.78	95.00	3.54	0.56	
4,184.00	11.12	5.71	4,169.55	173.25	-46.77	-173.43	95.00	4.18	1.00	
4,278.00	10.68	5.97	4,261.86	190.93	-44.96	-191.11	94.00	5.84	0.47	
4,373.00	11.43	5.89	4,355.09	209.05	-43.08	-209.22	95.00	5.93	0.79	



Wellbenders

End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #220H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Well:	#220H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
4,467.00	11.56	0.26	4,447.21	227.74	-42.08	-227.90	94.00	3.06	1.20	
4,561.00	11.47	358.85	4,539.32	246.50	-42.22	-246.66	94.00	359.56	0.31	
4,656.00	10.33	4.83	4,632.61	264.43	-41.70	-264.59	95.00	1.69	1.69	
4,750.00	9.49	5.89	4,725.20	280.54	-40.19	-280.69	94.00	5.34	0.91	
4,845.00	9.76	5.89	4,818.87	296.34	-38.56	-296.48	95.00	5.89	0.28	
4,939.00	10.02	6.41	4,911.47	312.39	-36.83	-312.53	94.00	6.15	0.29	
5,034.00	10.95	4.22	5,004.88	329.60	-35.24	-329.74	95.00	5.27	1.06	
5,128.00	10.55	3.86	5,097.23	347.09	-34.01	-347.22	94.00	4.04	0.43	
5,223.00	10.86	3.42	5,190.58	364.70	-32.89	-364.83	95.00	3.64	0.34	
5,317.00	10.73	3.95	5,282.92	382.27	-31.76	-382.39	94.00	3.68	0.17	
5,411.00	10.68	3.16	5,375.28	399.70	-30.67	-399.81	94.00	3.56	0.16	
5,506.00	10.59	3.69	5,468.65	417.20	-29.63	-417.31	95.00	3.42	0.14	
5,600.00	10.46	2.28	5,561.07	434.35	-28.73	-434.45	94.00	2.99	0.31	
5,695.00	9.71	358.77	5,654.60	450.97	-28.56	-451.08	95.00	0.59	1.02	
5,790.00	9.19	2.46	5,748.31	466.56	-28.41	-466.67	95.00	0.56	0.84	
5,885.00	10.51	7.29	5,841.91	482.74	-26.98	-482.84	95.00	5.04	1.64	
5,980.00	11.08	8.17	5,935.23	500.37	-24.59	-500.46	95.00	7.74	0.62	
6,075.00	10.99	7.56	6,028.47	518.38	-22.10	-518.46	95.00	7.87	0.16	
6,169.00	11.38	7.20	6,120.69	536.46	-19.76	-536.53	94.00	7.38	0.42	
6,264.00	11.87	6.06	6,213.74	555.48	-17.55	-555.54	95.00	6.62	0.57	
6,359.00	10.81	7.20	6,306.88	574.03	-15.40	-574.09	95.00	6.60	1.14	
6,453.00	10.86	8.17	6,399.21	591.54	-13.04	-591.59	94.00	7.69	0.20	
6,548.00	11.34	6.24	6,492.43	609.69	-10.75	-609.72	95.00	7.18	0.64	
6,643.00	11.34	6.06	6,585.57	628.26	-8.75	-628.29	95.00	6.15	0.04	
6,738.00	10.64	5.80	6,678.83	646.27	-6.88	-646.29	95.00	5.93	0.74	
6,832.00	10.15	5.01	6,771.29	663.16	-5.28	-663.17	94.00	5.41	0.54	
6,927.00	10.07	5.97	6,864.81	679.75	-3.68	-679.76	95.00	5.49	0.20	



Wellbenders

End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #220H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Well:	#220H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
7,022.00	10.81	2.72	6,958.24	696.91	-2.40	-696.92	95.00	4.29	1.00	
7,116.00	10.64	1.49	7,050.60	714.39	-1.75	-714.40	94.00	2.11	0.30	
7,210.00	8.70	0.96	7,143.26	730.18	-1.41	-730.18	94.00	1.25	2.07	
7,306.00	8.48	357.45	7,238.18	744.51	-1.60	-744.51	96.00	359.23	0.59	
7,400.00	4.53	348.04	7,331.56	755.07	-2.68	-755.07	94.00	354.17	4.34	
7,495.00	3.21	346.99	7,426.34	761.33	-4.06	-761.34	95.00	347.60	1.39	
7,590.00	1.76	337.94	7,521.25	765.28	-5.20	-765.29	95.00	343.79	1.58	
7,685.00	1.71	335.30	7,616.21	767.92	-6.34	-767.93	95.00	336.64	0.10	
7,779.00	1.41	314.56	7,710.17	770.00	-7.75	-770.03	94.00	325.94	0.67	
7,874.00	1.76	280.10	7,805.14	771.08	-10.02	-771.11	95.00	295.37	1.05	
7,969.00	1.41	280.37	7,900.10	771.54	-12.61	-771.59	95.00	280.22	0.37	
8,064.00	1.93	271.23	7,995.06	771.79	-15.36	-771.84	95.00	275.09	0.61	
8,147.00	1.14	262.79	8,078.03	771.71	-17.57	-771.78	83.00	268.10	0.99	
8,179.00	1.01	259.80	8,110.03	771.62	-18.17	-771.69	32.00	261.39	0.44	
8,273.00	0.97	219.28	8,204.01	770.86	-19.49	-770.93	94.00	239.97	0.73	
8,336.00	4.44	161.63	8,266.94	768.13	-19.05	-768.20	63.00	171.02	6.36	
8,367.00	7.08	161.45	8,297.78	765.18	-18.07	-765.25	31.00	161.52	8.52	
8,398.00	9.85	160.84	8,328.44	760.87	-16.59	-760.92	31.00	161.10	8.94	
8,430.00	12.44	161.45	8,359.83	755.01	-14.59	-755.06	32.00	161.18	8.10	
8,462.00	14.99	162.86	8,390.92	747.79	-12.28	-747.83	32.00	162.22	8.04	
8,493.00	17.32	166.37	8,420.69	739.47	-10.01	-739.50	31.00	164.74	8.15	
8,525.00	19.60	168.75	8,451.04	729.58	-7.84	-729.60	32.00	167.63	7.50	
8,556.00	21.32	170.06	8,480.09	718.93	-5.85	-718.94	31.00	169.43	5.74	
8,587.00	24.09	170.15	8,508.68	707.14	-3.80	-707.15	31.00	170.11	8.94	
8,619.00	26.81	169.54	8,537.57	693.61	-1.37	-693.61	32.00	169.83	8.54	
8,650.00	29.58	169.63	8,564.89	679.20	1.28	-679.19	31.00	169.59	8.94	
8,682.00	32.44	169.01	8,592.32	663.00	4.34	-662.98	32.00	169.31	8.99	



Wellbenders

End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #220H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Well:	#220H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)		TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
8,713.00	34.59	168.57		8,618.16	646.22	7.67	-646.18	31.00	168.78	6.98
8,745.00	36.62	169.54		8,644.18	627.92	11.20	-627.88	32.00	169.07	6.58
8,777.00	38.95	170.50		8,669.47	608.62	14.59	-608.56	32.00	170.03	7.51
8,808.00	42.64	171.56		8,692.93	588.61	17.74	-588.54	31.00	171.05	12.11
8,840.00	46.68	172.70		8,715.69	566.34	20.81	-566.25	32.00	172.15	12.87
8,872.00	49.36	173.32		8,737.09	542.73	23.71	-542.63	32.00	173.02	8.50
8,903.00	51.74	172.97		8,756.79	518.96	26.56	-518.86	31.00	173.14	7.73
8,911.74	52.60	172.89		8,762.15	512.11	27.41	-512.00	8.74	172.93	9.90
FTP CC Fed #220H										
8,935.00	54.90	172.70		8,775.90	493.50	29.77	-493.38	23.26	172.80	9.90
8,966.00	58.59	172.97		8,792.90	467.79	33.00	-467.66	31.00	172.84	11.93
8,998.00	63.38	173.67		8,808.41	440.00	36.25	-439.86	32.00	173.33	15.09
9,029.00	67.78	174.02		8,821.23	411.94	39.27	-411.79	31.00	173.85	14.23
9,061.00	72.70	174.72		8,832.04	381.98	42.22	-381.82	32.00	174.38	15.51
9,092.00	75.65	175.51		8,840.49	352.27	44.76	-352.09	31.00	175.12	9.83
9,123.00	77.54	176.31		8,847.68	322.19	46.91	-322.01	31.00	175.91	6.59
9,155.00	78.73	176.92		8,854.26	290.93	48.76	-290.74	32.00	176.62	4.16
9,186.00	80.62	177.18		8,859.82	260.47	50.33	-260.28	31.00	177.05	6.15
9,217.00	83.47	177.36		8,864.11	229.81	51.79	-229.61	31.00	177.27	9.21
9,241.90	86.07	177.84		8,866.38	205.04	52.83	-204.83	24.90	177.60	10.61
LP- Plan 4 CC Fed #220H										
9,249.00	86.81	177.97		8,866.82	197.96	53.09	-197.75	7.10	177.90	10.61
9,280.00	90.37	178.33		8,867.58	166.99	54.09	-166.78	31.00	178.15	11.54
9,312.00	92.18	178.50		8,866.87	135.01	54.97	-134.80	32.00	178.41	5.68
9,407.00	89.45	178.85		8,865.52	40.05	57.17	-39.83	95.00	178.68	2.90
9,502.00	91.12	177.89		8,865.04	-54.90	59.87	55.13	95.00	178.37	2.03
9,596.00	90.68	177.62		8,863.57	-148.82	63.55	149.06	94.00	177.75	0.55



Wellbenders

End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #220H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Well:	#220H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
9,691.00	91.69	177.89	8,861.60	-243.72	67.27	243.98	95.00	177.75	1.10
9,784.00	89.63	176.31	8,860.53	-336.59	71.98	336.87	93.00	177.10	2.79
9,879.00	89.49	174.99	8,861.26	-431.31	79.18	431.61	95.00	175.65	1.40
9,974.00	89.67	175.87	8,861.96	-526.01	86.75	526.34	95.00	175.43	0.95
10,068.00	90.11	175.07	8,862.14	-619.71	94.18	620.07	94.00	175.47	0.97
10,163.00	89.85	176.04	8,862.17	-714.43	101.54	714.81	95.00	175.55	1.06
10,257.00	90.15	178.68	8,862.17	-808.32	105.87	808.72	94.00	177.36	2.83
10,352.00	91.69	179.73	8,860.65	-903.29	107.19	903.70	95.00	179.20	1.96
10,446.00	89.71	179.64	8,859.50	-997.28	107.70	997.68	94.00	179.68	2.11
10,541.00	90.29	180.17	8,859.50	-1,092.28	107.86	1,092.68	95.00	179.90	0.83
10,635.00	91.43	180.52	8,858.09	-1,186.26	107.30	1,186.67	94.00	180.34	1.27
10,730.00	90.51	180.17	8,856.48	-1,281.25	106.72	1,281.65	95.00	180.34	1.04
10,824.00	89.63	179.56	8,856.36	-1,375.25	106.95	1,375.65	94.00	179.86	1.14
10,919.00	90.86	179.73	8,855.96	-1,470.24	107.53	1,470.64	95.00	179.64	1.31
11,014.00	88.84	179.03	8,856.21	-1,565.23	108.56	1,565.64	95.00	179.38	2.25
11,108.00	89.45	178.85	8,857.61	-1,659.20	110.30	1,659.61	94.00	178.94	0.68
11,204.00	91.03	179.38	8,857.21	-1,755.19	111.78	1,755.60	96.00	179.11	1.74
11,299.00	89.14	178.94	8,857.07	-1,850.17	113.18	1,850.59	95.00	179.16	2.04
11,394.00	90.46	179.73	8,857.40	-1,945.16	114.28	1,945.59	95.00	179.34	1.62
11,489.00	89.32	180.00	8,857.58	-2,040.16	114.50	2,040.58	95.00	179.86	1.23
11,583.00	89.76	179.73	8,858.33	-2,134.16	114.72	2,134.58	94.00	179.86	0.55
11,677.00	91.78	180.52	8,857.07	-2,228.14	114.52	2,228.57	94.00	180.12	2.31
11,772.00	89.58	179.82	8,855.94	-2,323.13	114.24	2,323.55	95.00	180.17	2.43
11,866.00	88.84	178.41	8,857.24	-2,417.11	115.69	2,417.53	94.00	179.12	1.69
11,961.00	89.36	177.97	8,858.73	-2,512.05	118.69	2,512.48	95.00	178.19	0.72
12,055.00	89.41	177.36	8,859.74	-2,605.96	122.52	2,606.41	94.00	177.66	0.65
12,150.00	89.49	178.85	8,860.65	-2,700.90	125.66	2,701.37	95.00	178.11	1.57



Wellbenders

End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #220H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Well:	#220H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
12,245.00	90.11	178.41	8,860.98	-2,795.87	127.93	2,796.35	95.00	178.63	0.80	
12,340.00	89.71	180.00	8,861.13	-2,890.86	129.25	2,891.34	95.00	179.20	1.73	
12,435.00	90.95	181.05	8,860.59	-2,985.85	128.38	2,986.32	95.00	180.52	1.71	
12,529.00	90.15	181.40	8,859.68	-3,079.83	126.37	3,080.29	94.00	181.23	0.93	
12,623.00	90.86	181.31	8,858.86	-3,173.80	124.15	3,174.25	94.00	181.36	0.76	
12,718.00	91.16	181.75	8,857.18	-3,268.75	121.61	3,269.19	95.00	181.53	0.56	
12,813.00	89.27	180.96	8,856.82	-3,363.71	119.36	3,364.15	95.00	181.35	2.16	
12,907.00	90.46	180.96	8,857.05	-3,457.70	117.79	3,458.13	94.00	180.96	1.27	
13,002.00	90.81	180.08	8,855.99	-3,552.69	116.93	3,553.11	95.00	180.52	1.00	
13,096.00	89.14	180.52	8,856.03	-3,646.68	116.44	3,647.10	94.00	180.30	1.84	
13,191.00	89.58	180.70	8,857.10	-3,741.67	115.42	3,742.09	95.00	180.61	0.50	
13,285.00	90.81	180.70	8,856.78	-3,835.66	114.28	3,836.07	94.00	180.70	1.31	
13,380.00	88.88	179.82	8,857.03	-3,930.66	113.84	3,931.06	95.00	180.26	2.23	
13,475.00	89.19	179.03	8,858.63	-4,025.64	114.80	4,026.05	95.00	179.42	0.89	
13,569.00	91.87	181.40	8,857.76	-4,119.62	114.45	4,120.03	94.00	180.21	3.81	
13,664.00	89.93	180.08	8,856.27	-4,214.59	113.22	4,214.99	95.00	180.74	2.47	
13,758.00	88.70	177.71	8,857.39	-4,308.56	115.03	4,308.97	94.00	178.90	2.84	
13,853.00	88.66	176.31	8,859.58	-4,403.40	119.99	4,403.83	95.00	177.01	1.47	
13,948.00	89.19	178.24	8,861.37	-4,498.27	124.50	4,498.72	95.00	177.28	2.11	
14,043.00	91.30	179.56	8,860.96	-4,593.25	126.32	4,593.70	95.00	178.90	2.62	
14,137.00	90.02	179.38	8,859.88	-4,687.23	127.19	4,687.69	94.00	179.47	1.38	
14,232.00	90.42	179.21	8,859.51	-4,782.23	128.36	4,782.68	95.00	179.30	0.46	
14,327.00	89.23	179.38	8,859.80	-4,877.22	129.53	4,877.68	95.00	179.29	1.27	
14,421.00	90.29	180.17	8,860.20	-4,971.21	129.90	4,971.68	94.00	179.78	1.41	
14,517.00	91.03	179.91	8,859.09	-5,067.21	129.83	5,067.67	96.00	180.04	0.82	
14,612.00	90.15	180.52	8,858.11	-5,162.20	129.48	5,162.66	95.00	180.22	1.13	
14,706.00	90.46	180.96	8,857.61	-5,256.19	128.26	5,256.64	94.00	180.74	0.57	



Wellbenders

End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #220H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Well:	#220H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
14,801.00	89.93	181.31	8,857.29	-5,351.17	126.38	5,351.62	95.00	181.14	0.67
14,895.00	90.37	180.96	8,857.04	-5,445.15	124.52	5,445.59	94.00	181.14	0.60
14,990.00	89.01	180.61	8,857.56	-5,540.14	123.22	5,540.57	95.00	180.79	1.48
15,084.00	90.33	180.96	8,858.10	-5,634.13	121.93	5,634.55	94.00	180.79	1.45
15,178.00	89.01	180.26	8,858.64	-5,728.12	120.93	5,728.54	94.00	180.61	1.59
15,273.00	89.54	179.91	8,859.84	-5,823.11	120.79	5,823.53	95.00	180.08	0.67
15,368.00	89.63	179.21	8,860.53	-5,918.10	121.52	5,918.52	95.00	179.56	0.74
15,463.00	90.95	178.94	8,860.05	-6,013.09	123.05	6,013.51	95.00	179.08	1.42
15,557.00	90.37	179.29	8,858.96	-6,107.07	124.50	6,107.50	94.00	179.12	0.72
15,652.00	88.97	179.56	8,859.51	-6,202.06	125.46	6,202.50	95.00	179.42	1.50
15,746.00	90.73	180.26	8,859.76	-6,296.05	125.60	6,296.49	94.00	179.91	2.01
15,841.00	89.14	179.91	8,859.87	-6,391.05	125.46	6,391.49	95.00	180.09	1.71
15,936.00	90.51	180.26	8,860.16	-6,486.05	125.32	6,486.48	95.00	180.09	1.49
16,031.00	88.88	180.00	8,860.66	-6,581.04	125.11	6,581.48	95.00	180.13	1.74
16,126.00	89.67	179.82	8,861.86	-6,676.03	125.26	6,676.47	95.00	179.91	0.85
16,220.00	89.36	179.12	8,862.66	-6,770.03	126.13	6,770.46	94.00	179.47	0.81
16,316.00	90.07	178.94	8,863.14	-6,866.01	127.75	6,866.45	96.00	179.03	0.76
16,410.00	90.95	178.33	8,862.30	-6,959.98	129.99	6,960.43	94.00	178.64	1.14
16,505.00	91.78	177.80	8,860.04	-7,054.90	133.20	7,055.36	95.00	178.07	1.04
16,595.00	92.75	177.36	8,856.48	-7,144.75	136.99	7,145.22	90.00	177.58	1.18
16,644.89	92.75	177.36	8,854.09	-7,194.53	139.29	7,195.01	49.89	177.36	0.00
PBHL CC Fed #220H - CC Fed #220H: Window									
16,645.00	92.75	177.36	8,854.08	-7,194.63	139.29	7,195.12	0.11	177.36	0.00
Final Station Closure Distance= 7195.98 /Direction= 178.89 - Projection to Bit: 16645.00' MD/ 8854.08' TVD - TD: Latitude = 32.122775 / Longitude = -103.969609 - TD: Y= 408577.97 / X= 612602.49 - Final Bit F									



Wellbenders

End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #220H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB = 27' @ 3062.00usft (Felderhoff 26)
Well:	#220H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
16,645.00	8,854.08	-7,194.63	139.29	Final Station Closure Distance= 7195.98 /Direction= 178.89	
16,645.00	8,854.08	-7,194.63	139.29	Projection to Bit: 16645.00' MD/ 8854.08' TVD	
16,645.00	8,854.08	-7,194.63	139.29	TD: Latitude = 32.122775 / Longitude = -103.969609	
16,645.00	8,854.08	-7,194.63	139.29	TD: Y= 408577.97 / X= 612602.49	

Checked By: _____	Approved By: _____	Date: _____
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District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos 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

CONDITIONS

Action 18886

CONDITIONS OF APPROVAL

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Building #5 Midland, TX79707	OGRID: 5380	Action Number: 18886	Action Type: C-104C
OCD Reviewer abustamante	Condition None		