

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 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 - 015-46663	⁵ Pool Name LOS MEDANOS: WOLFCAMP; SOUTH	
	⁶ Pool Code 96336	
⁷ Property Code 327343	⁸ Property Name JAMES RANCH UNIT DI 8 EAGLE	⁹ Well Number 110H

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
F	36	22S	30E		1734	North	2007	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
A	31	22S	31E		654	North	51	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
373075	XTO Permian Operating	

IV. Well Completion Data

²¹ Spud Date 3/1/2020	²² Ready Date 5/20/21	²³ TD 19274 MD 11220 TVD	²⁴ PBD 19264 MD 11220 TVD	²⁵ Perforations 11,687 - 19,098	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
24.0	18.625	542	-		
17.5	13.625	3720	2210		
9.625	8.625	9964	-		
8.5	5.5/2.875	19267/ 10636	3900		

V. Well Test Data

³¹ Date New Oil 5/21/21	³² Gas Delivery Date 5/26/21	³³ Test Date 5/26/21	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 915	³⁶ Csg. Pressure 1096
³⁷ Choke Size	³⁸ Oil 3314	³⁹ Water 4313	⁴⁰ Gas 5530		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: *JoAnne Baltier*

Printed name: JoAnne Baltier

Title: Regulatory Analyst

E-mail Address: joanne.baltier@exxonmobil.com

Date: 7/21/21

Phone: 432.620-4322

OIL CONSERVATION DIVISION

Approved by: **KURT SIMMONS**Title: **NMOCD, SANTA FE**Approval Date: **09/13/2021**

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 30-015-46663	² Pool Code 96597	³ Pool Name LOS MEDANOS; WOLFCAMP;SOUTH
⁴ Property Code 327343	⁵ Property Name JAMES RANCH UNIT DI 8 EAGLE	
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁶ Well Number 110H
		⁹ Elevation 3,317'

¹⁰ Surface Location

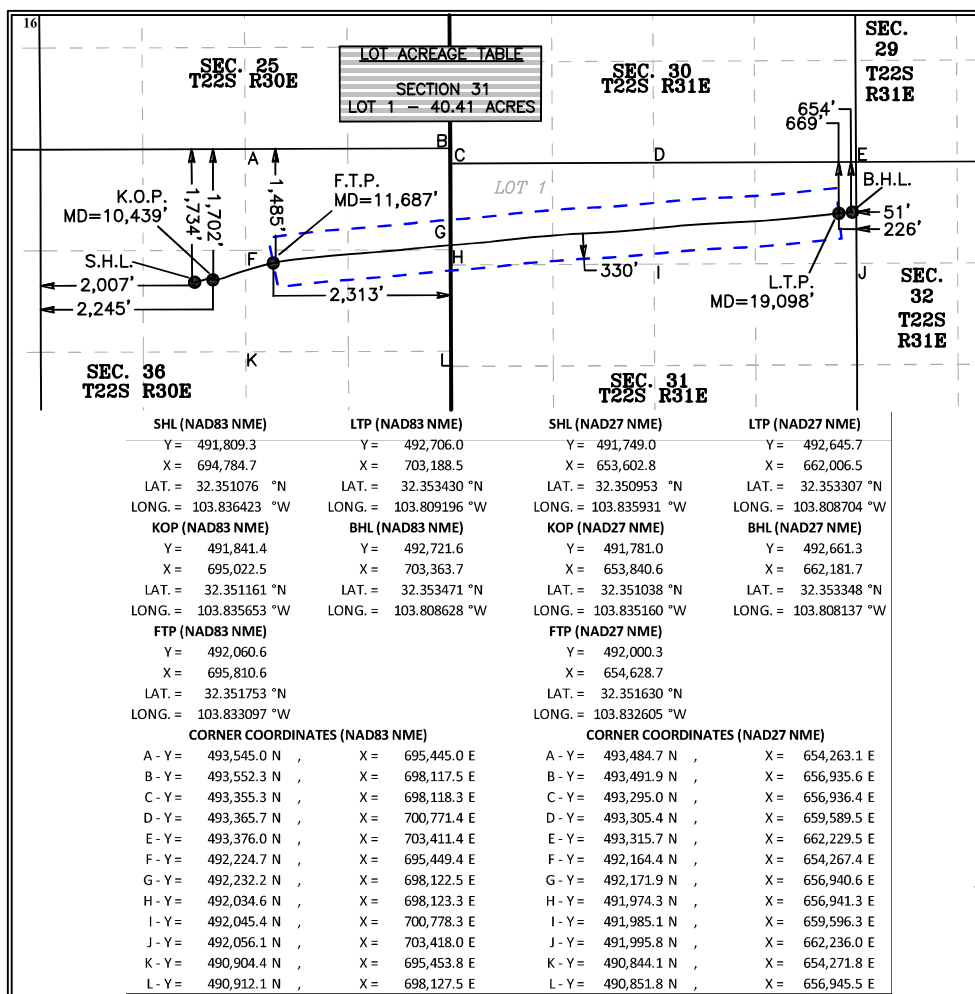
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	36	22 S	30 E		1,734	NORTH	2,007	WEST	EDDY

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
A	31	22 S	31 E		654	NORTH	51	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
480.41			

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.

Signature JoAnne Battier Date 7/23/21

JoAnne Baltier

Printed Name _____

joanne.baltier@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.

6-8-2021

Date of Survey _____

Signature and Seal of
Professional Surveyor:

MARK DILLON HARP 23786

Certificate Number

IC

2019072362



Intent ☐ As Drilled ☒

API #		
Operator Name: XTO PERMIAN OPERATING, LLC	Property Name: James Ranch Unit DI8	Well Number 110H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
F	36	22S	30E		1702	North	2245	West	Eddy
Latitude 32.351161					Longitude -103.835653				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
F	36	22S	30E		1485	North	2313	East	Eddy
Latitude 32.351753					Longitude -103.833097				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	31	22S	31E		669	North	226	East	Eddy
Latitude 32.353430					Longitude -103.809196				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: XTO Permian Operating	Property Name:	Well Number

KZ 06/29/2018

I + 1 337.856-7201
1058 Baker Hughes Drive
Broussard, LA 70518, USA



1058 Baker Hughes Dr.
Broussard, LA 70518
Tel 337-856-7201 or 800-395-7201

State of New Mexico
County of Eddy

I, Gail Deering, Technical Support Engineer, certify that I am employed by Baker Hughes; did conduct or supervise on the day(s) of 03/01/2020 through 03/29/2020 conduct or supervise the taking of a MWD survey from a depth of 159 feet to a depth of 15121 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Baker Hughes; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Permian Operating LLC. for the JRU DI8 Eagle #110H Original Hole Well, API No. 3001546663 in Wildcat field; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Baker Hughes.

Gail Deering

Technical Support Engineer

SO#: 110237717



Actual Wellpath Report

JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H
Slot	JRU DI 8 Eagle #110H		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Gail Deering
Scale	0.999936	Report Generated	08/Apr/2020 at 14:58
Convergence at slot	0.27° East	Database	WA_HOU_Midland_Defn

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	653602.80	491749.00	32°21'3.4301"N	103°50'9.3507"W
Facility Reference Pt			653602.80	491749.00	32°21'3.4301"N	103°50'9.3507"W
Field Reference Pt			152400.30	0.00	30°59'42.8458"N	105°26'33.6593"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Precision 598 (RKB) to Facility Vertical Datum	3342.00ft
Horizontal Reference Pt	Slot	Precision 598 (RKB) to Mean Sea Level	3342.00ft
Vertical Reference Pt	Precision 598 (RKB)	Precision 598 (RKB) to Ground Level at Slot (JRU DI 8 Eagle #110H)	25.00ft
MD Reference Pt	Precision 598 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	85.29°



Actual Wellpath Report

JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121'

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H
Slot	JRU DI 8 Eagle #110H		

WELLPATH DATA (182 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	178.150	0.00	0.00	0.00	0.00	653602.80	491749.00	32°21'3.4301"N	103°50'9.3507"W	0.00	0.00	0.00	
25.00	0.000	178.150	25.00	0.00	0.00	0.00	653602.80	491749.00	32°21'3.4301"N	103°50'9.3507"W	0.00	0.00	0.00	
159.00	0.740	178.150	159.00	-0.04	-0.86	0.03	653602.83	491748.14	32°21'3.4215"N	103°50'9.3504"W	0.55	0.55	0.00	
251.00	0.960	166.050	250.99	0.05	-2.21	0.23	653603.03	491746.79	32°21'3.4082"N	103°50'9.3481"W	0.31	0.24	-13.15	
341.00	1.050	169.030	340.97	0.26	-3.75	0.57	653603.37	491745.25	32°21'3.3930"N	103°50'9.3443"W	0.12	0.10	3.31	
433.00	1.080	157.970	432.96	0.61	-5.38	1.06	653603.86	491743.62	32°21'3.3768"N	103°50'9.3387"W	0.23	0.03	-12.02	
503.00	1.100	139.640	502.94	1.20	-6.50	1.74	653604.54	491742.50	32°21'3.3657"N	103°50'9.3308"W	0.50	0.03	-26.19	Surface Surveys 159' - 509"
577.00	1.450	162.210	576.93	1.83	-7.94	2.49	653605.29	491741.07	32°21'3.3514"N	103°50'9.3222"W	0.82	0.47	30.50	
622.00	1.180	145.870	621.91	2.18	-8.86	2.92	653605.72	491740.14	32°21'3.3423"N	103°50'9.3172"W	1.02	-0.60	-36.31	
714.00	0.980	141.460	713.90	3.09	-10.26	3.94	653606.74	491738.74	32°21'3.3284"N	103°50'9.3053"W	0.24	-0.22	-4.79	
805.00	0.370	153.690	804.89	3.63	-11.13	4.56	653607.36	491737.87	32°21'3.3197"N	103°50'9.2982"W	0.68	-0.67	13.44	
895.00	1.060	328.920	894.89	3.36	-10.68	4.26	653607.06	491738.32	32°21'3.3242"N	103°50'9.3017"W	1.59	0.77	194.70	
986.00	1.290	334.960	985.87	2.63	-9.03	3.39	653606.19	491739.97	32°21'3.3406"N	103°50'9.3117"W	0.29	0.25	6.64	
1077.00	0.800	357.960	1076.85	2.31	-7.47	2.93	653605.73	491741.53	32°21'3.3560"N	103°50'9.3170"W	0.70	-0.54	25.27	
1169.00	0.790	352.750	1168.84	2.31	-6.20	2.83	653605.63	491742.80	32°21'3.3686"N	103°50'9.3181"W	0.08	-0.01	-5.66	
1261.00	0.760	343.030	1260.84	2.15	-4.98	2.57	653605.37	491744.02	32°21'3.3806"N	103°50'9.3210"W	0.15	-0.03	-10.57	
1351.00	0.460	316.610	1350.83	1.80	-4.15	2.15	653604.95	491744.85	32°21'3.3889"N	103°50'9.3259"W	0.45	-0.33	-29.36	
1440.00	0.440	2.210	1439.83	1.62	-3.55	1.92	653604.72	491745.45	32°21'3.3949"N	103°50'9.3286"W	0.39	-0.02	51.24	
1530.00	0.220	332.270	1529.83	1.59	-3.05	1.85	653604.65	491745.95	32°21'3.3998"N	103°50'9.3293"W	0.30	-0.24	-33.27	
1620.00	0.030	119.290	1619.83	1.54	-2.91	1.79	653604.59	491746.09	32°21'3.4012"N	103°50'9.3300"W	0.27	-0.21	163.36	
1709.00	0.070	180.640	1708.83	1.56	-2.98	1.81	653604.61	491746.02	32°21'3.4005"N	103°50'9.3298"W	0.07	0.04	68.93	
1799.00	0.190	184.520	1798.83	1.53	-3.18	1.80	653604.60	491745.82	32°21'3.3985"N	103°50'9.3300"W	0.13	0.13	4.31	
1888.00	0.030	66.590	1887.83	1.53	-3.32	1.81	653604.61	491745.68	32°21'3.3972"N	103°50'9.3298"W	0.23	-0.18	-132.51	
1978.00	0.990	66.750	1977.82	2.29	-3.00	2.54	653605.34	491746.00	32°21'3.4003"N	103°50'9.3212"W	1.07	1.07	0.18	
2067.00	2.460	80.320	2066.78	4.92	-2.38	5.13	653607.93	491746.62	32°21'3.4063"N	103°50'9.2910"W	1.70	1.65	15.25	
2157.00	3.920	76.400	2156.64	9.88	-1.33	10.03	653612.82	491747.67	32°21'3.4165"N	103°50'9.2339"W	1.64	1.62	-4.36	
2246.00	5.520	77.780	2245.33	17.13	0.29	17.17	653619.97	491749.29	32°21'3.4322"N	103°50'9.1506"W	1.80	1.80	1.55	
2336.00	7.140	74.350	2334.78	26.92	2.72	26.78	653629.58	491751.72	32°21'3.4557"N	103°50'9.0384"W	1.85	1.80	-3.81	
2426.00	8.340	71.710	2423.96	38.75	6.28	38.37	653641.16	491755.28	32°21'3.4904"N	103°50'8.9031"W	1.39	1.33	-2.93	
2515.00	8.550	71.270	2512.00	51.45	10.43	50.76	653653.56	491759.42	32°21'3.5309"N	103°50'8.7584"W	0.25	0.24	-0.49	



Actual Wellpath Report

JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121'

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H
Slot	JRU DI 8 Eagle #110H		

WELLPATH DATA (182 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
2605.00	8.370	73.250	2601.02	64.34	14.46	63.37	653666.17	491763.46	32°21'3.5703"N	103°50'8.6113"W	0.38	-0.20	2.20	
2694.00	8.160	73.260	2689.09	76.86	18.15	75.62	653678.42	491767.15	32°21'3.6062"N	103°50'8.4683"W	0.24	-0.24	0.01	
2784.00	9.490	73.420	2778.02	90.36	22.10	88.85	653691.64	491771.10	32°21'3.6447"N	103°50'8.3138"W	1.48	1.48	0.18	
2873.00	9.000	73.540	2865.87	104.36	26.17	102.56	653705.35	491775.17	32°21'3.6843"N	103°50'8.1538"W	0.55	-0.55	0.13	
2963.00	9.360	73.490	2954.71	118.42	30.25	116.33	653719.12	491779.24	32°21'3.7240"N	103°50'7.9931"W	0.40	0.40	-0.06	
3052.00	9.840	72.930	3042.47	132.93	34.53	130.53	653733.33	491783.53	32°21'3.7658"N	103°50'7.8273"W	0.55	0.54	-0.63	
3142.00	9.470	74.010	3131.19	147.70	38.83	145.00	653747.79	491787.83	32°21'3.8077"N	103°50'7.6584"W	0.46	-0.41	1.20	
3232.00	8.790	73.790	3220.05	161.70	42.79	158.72	653761.51	491791.79	32°21'3.8462"N	103°50'7.4982"W	0.76	-0.76	-0.24	
3321.00	8.870	74.520	3308.00	175.11	46.52	171.87	653774.66	491795.52	32°21'3.8825"N	103°50'7.3448"W	0.15	0.09	0.82	
3411.00	8.720	74.930	3396.94	188.63	50.15	185.14	653787.93	491799.14	32°21'3.9178"N	103°50'7.1899"W	0.18	-0.17	0.46	
3501.00	8.250	76.270	3485.95	201.72	53.45	198.00	653800.79	491802.45	32°21'3.9499"N	103°50'7.0398"W	0.57	-0.52	1.49	
3590.00	7.850	77.100	3574.08	214.04	56.33	210.13	653812.92	491805.32	32°21'3.9778"N	103°50'6.8983"W	0.47	-0.45	0.93	
3657.00	7.670	76.440	3640.46	222.99	58.39	218.94	653821.72	491807.39	32°21'3.9978"N	103°50'6.7955"W	0.30	-0.27	-0.99	17 1/2" Intermediate Section 503' - 3657'
3755.00	7.270	75.840	3737.63	235.57	61.45	231.31	653834.09	491810.44	32°21'4.0274"N	103°50'6.6512"W	0.42	-0.41	-0.61	
3845.00	6.110	75.040	3827.02	245.90	64.07	241.46	653844.24	491813.07	32°21'4.0530"N	103°50'6.5327"W	1.29	-1.29	-0.89	
3934.00	4.430	78.250	3915.64	253.97	66.00	249.40	653852.18	491814.99	32°21'4.0717"N	103°50'6.4400"W	1.92	-1.89	3.61	
4024.00	3.300	73.400	4005.43	259.96	67.45	255.28	653858.07	491816.44	32°21'4.0857"N	103°50'6.3714"W	1.31	-1.26	-5.39	
4113.00	2.040	71.880	4094.33	264.00	68.67	259.24	653862.03	491817.67	32°21'4.0977"N	103°50'6.3251"W	1.42	-1.42	-1.71	
4203.00	1.000	80.680	4184.30	266.35	69.30	261.54	653864.32	491818.29	32°21'4.1037"N	103°50'6.2983"W	1.18	-1.16	9.78	
4292.00	0.200	123.170	4273.30	267.24	69.34	262.44	653865.22	491818.33	32°21'4.1041"N	103°50'6.2879"W	0.97	-0.90	47.74	
4382.00	0.750	278.890	4363.29	266.79	69.34	261.99	653864.77	491818.34	32°21'4.1042"N	103°50'6.2931"W	1.04	0.61	173.02	
4471.00	1.090	276.600	4452.28	265.40	69.53	260.57	653863.35	491818.52	32°21'4.1061"N	103°50'6.3096"W	0.38	0.38	-2.57	
4561.00	1.120	269.720	4542.27	263.68	69.62	258.84	653861.62	491818.62	32°21'4.1071"N	103°50'6.3298"W	0.15	0.03	-7.64	
4651.00	1.160	267.010	4632.25	261.89	69.57	257.05	653859.83	491818.57	32°21'4.1067"N	103°50'6.3506"W	0.07	0.04	-3.01	
4740.00	1.340	277.490	4721.23	259.98	69.66	255.12	653857.90	491818.65	32°21'4.1076"N	103°50'6.3731"W	0.33	0.20	11.78	
4830.00	1.280	273.040	4811.20	257.95	69.85	253.07	653855.86	491818.85	32°21'4.1096"N	103°50'6.3970"W	0.13	-0.07	-4.94	
4920.00	1.270	275.780	4901.18	255.97	70.00	251.08	653853.86	491819.00	32°21'4.1112"N	103°50'6.4202"W	0.07	-0.01	3.04	
5009.00	1.410	284.830	4990.16	253.97	70.38	249.04	653851.82	491819.38	32°21'4.1151"N	103°50'6.4440"W	0.28	0.16	10.17	
5099.00	1.570	264.830	5080.13	251.70	70.56	246.74	653849.52	491819.55	32°21'4.1169"N	103°50'6.4708"W	0.60	0.18	-22.22	
5189.00	1.220	287.980	5170.10	249.58	70.74	244.60	653847.38	491819.74	32°21'4.1188"N	103°50'6.4957"W	0.73	-0.39	25.72	



Actual Wellpath Report

JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121'

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H
Slot	JRU DI 8 Eagle #110H		

WELLPATH DATA (182 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
5278.00	0.070	195.980	5259.09	248.69	70.98	243.68	653846.47	491819.98	32°21'4.1212"N	103°50'6.5064"W	1.38	-1.29	-103.37	
5368.00	0.250	44.900	5349.09	248.82	71.07	243.81	653846.59	491820.06	32°21'4.1221"N	103°50'6.5049"W	0.35	0.20	-167.87	
5458.00	0.470	104.020	5439.09	249.32	71.12	244.30	653847.09	491820.11	32°21'4.1225"N	103°50'6.4991"W	0.45	0.24	65.69	
5547.00	0.710	93.210	5528.09	250.21	71.00	245.21	653847.99	491819.99	32°21'4.1213"N	103°50'6.4886"W	0.30	0.27	-12.15	
5637.00	0.560	88.710	5618.08	251.20	70.98	246.20	653848.99	491819.97	32°21'4.1211"N	103°50'6.4770"W	0.18	-0.17	-5.00	
5726.00	0.570	108.700	5707.08	252.04	70.84	247.06	653849.84	491819.84	32°21'4.1197"N	103°50'6.4670"W	0.22	0.01	22.46	
5816.00	0.410	114.750	5797.07	252.73	70.57	247.77	653850.56	491819.56	32°21'4.1169"N	103°50'6.4587"W	0.19	-0.18	6.72	
5906.00	0.440	124.350	5887.07	253.28	70.24	248.35	653851.14	491819.23	32°21'4.1136"N	103°50'6.4520"W	0.09	0.03	10.67	
5995.00	0.500	118.250	5976.07	253.87	69.86	248.98	653851.76	491818.85	32°21'4.1099"N	103°50'6.4447"W	0.09	0.07	-6.85	
6085.00	0.510	114.720	6066.06	254.55	69.51	249.69	653852.47	491818.50	32°21'4.1064"N	103°50'6.4365"W	0.04	0.01	-3.92	
6175.00	0.600	148.010	6156.06	255.11	68.94	250.30	653853.08	491817.93	32°21'4.1007"N	103°50'6.4294"W	0.37	0.10	36.99	
6264.00	0.540	147.510	6245.06	255.52	68.19	250.77	653853.56	491817.18	32°21'4.0933"N	103°50'6.4239"W	0.07	-0.07	-0.56	
6354.00	0.540	154.400	6335.05	255.87	67.45	251.18	653853.97	491816.44	32°21'4.0859"N	103°50'6.4191"W	0.07	0.00	7.66	
6444.00	0.490	179.940	6425.05	255.99	66.68	251.37	653854.15	491815.68	32°21'4.0783"N	103°50'6.4170"W	0.26	-0.06	28.38	
6533.00	0.550	185.650	6514.05	255.88	65.88	251.32	653854.11	491814.87	32°21'4.0704"N	103°50'6.4176"W	0.09	0.07	6.42	
6623.00	0.620	196.300	6604.04	255.63	64.98	251.15	653853.93	491813.97	32°21'4.0615"N	103°50'6.4197"W	0.14	0.08	11.83	
6713.00	0.870	191.890	6694.03	255.26	63.84	250.87	653853.65	491812.84	32°21'4.0503"N	103°50'6.4230"W	0.28	0.28	-4.90	
6802.00	0.620	177.480	6783.03	255.05	62.70	250.75	653853.53	491811.70	32°21'4.0390"N	103°50'6.4244"W	0.35	-0.28	-16.19	
6892.00	0.470	172.110	6873.02	255.05	61.85	250.82	653853.61	491810.84	32°21'4.0305"N	103°50'6.4236"W	0.18	-0.17	-5.97	
6981.00	0.170	183.130	6962.02	255.05	61.36	250.87	653853.65	491810.35	32°21'4.0257"N	103°50'6.4232"W	0.34	-0.34	12.38	
7070.00	0.140	78.570	7051.02	255.14	61.24	250.96	653853.75	491810.24	32°21'4.0246"N	103°50'6.4220"W	0.28	-0.03	-117.48	
7160.00	0.150	305.150	7141.02	255.16	61.33	250.98	653853.76	491810.33	32°21'4.0254"N	103°50'6.4219"W	0.30	0.01	-148.24	
7249.00	0.110	200.950	7230.02	255.04	61.32	250.85	653853.63	491810.32	32°21'4.0253"N	103°50'6.4234"W	0.23	-0.04	-117.08	
7339.00	0.190	40.280	7320.02	255.10	61.36	250.92	653853.70	491810.35	32°21'4.0257"N	103°50'6.4226"W	0.33	0.09	-178.52	
7429.00	0.040	21.780	7410.02	255.22	61.50	251.02	653853.81	491810.49	32°21'4.0271"N	103°50'6.4213"W	0.17	-0.17	-20.56	
7518.00	0.090	317.250	7499.02	255.20	61.58	250.99	653853.77	491810.57	32°21'4.0279"N	103°50'6.4217"W	0.09	0.06	-72.51	
7608.00	0.320	162.080	7589.02	255.21	61.39	251.02	653853.80	491810.39	32°21'4.0260"N	103°50'6.4214"W	0.45	0.26	-172.41	
7698.00	0.350	241.120	7679.02	255.02	61.02	250.85	653853.64	491810.02	32°21'4.0223"N	103°50'6.4233"W	0.47	0.03	87.82	
7787.00	0.800	236.030	7768.01	254.23	60.54	250.10	653852.88	491809.54	32°21'4.0176"N	103°50'6.4321"W	0.51	0.51	-5.72	
7877.00	0.650	238.350	7858.01	253.22	59.92	249.14	653851.93	491808.92	32°21'4.0116"N	103°50'6.4433"W	0.17	-0.17	2.58	



Actual Wellpath Report

JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121'

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H
Slot	JRU DI 8 Eagle #110H		

WELLPATH DATA (182 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
7966.00	1.150	262.550	7946.99	251.88	59.54	247.83	653850.61	491808.54	32°21'4.0078"N	103°50'6.4587"W	0.69	0.56	27.19	
8056.00	1.360	271.510	8036.97	249.92	59.45	245.87	653848.65	491808.45	32°21'4.0071"N	103°50'6.4815"W	0.32	0.23	9.96	
8145.00	1.090	285.300	8125.95	248.07	59.70	243.99	653846.78	491808.70	32°21'4.0096"N	103°50'6.5034"W	0.45	-0.30	15.49	
8235.00	0.720	329.810	8215.94	247.02	60.42	242.88	653845.67	491809.41	32°21'4.0167"N	103°50'6.5163"W	0.85	-0.41	49.46	
8325.00	0.380	17.030	8305.94	246.89	61.19	242.69	653845.47	491810.19	32°21'4.0244"N	103°50'6.5185"W	0.60	-0.38	52.47	
8415.00	0.380	13.180	8395.94	247.09	61.77	242.84	653845.63	491810.76	32°21'4.0301"N	103°50'6.5167"W	0.03	0.00	-4.28	
8504.00	0.370	18.490	8484.93	247.30	62.33	243.00	653845.78	491811.32	32°21'4.0356"N	103°50'6.5148"W	0.04	-0.01	5.97	
8594.00	0.280	311.190	8574.93	247.26	62.75	242.93	653845.71	491811.74	32°21'4.0398"N	103°50'6.5156"W	0.41	-0.10	-74.78	
8683.00	0.560	229.850	8663.93	246.75	62.61	242.43	653845.22	491811.61	32°21'4.0385"N	103°50'6.5214"W	0.66	0.31	-91.39	
8773.00	0.780	215.420	8753.93	246.00	61.83	241.74	653844.52	491810.82	32°21'4.0308"N	103°50'6.5295"W	0.31	0.24	-16.03	
8862.00	0.640	138.330	8842.92	245.91	60.96	241.72	653844.50	491809.96	32°21'4.0222"N	103°50'6.5298"W	1.00	-0.16	-86.62	
8952.00	0.650	106.790	8932.92	246.69	60.44	242.54	653845.33	491809.44	32°21'4.0170"N	103°50'6.5202"W	0.39	0.01	-35.04	
9042.00	0.310	151.120	9022.91	247.26	60.08	243.15	653845.93	491809.08	32°21'4.0134"N	103°50'6.5132"W	0.53	-0.38	49.26	
9131.00	0.880	214.750	9111.91	246.92	59.31	242.88	653845.66	491808.30	32°21'4.0058"N	103°50'6.5164"W	0.89	0.64	71.49	
9221.00	1.790	221.120	9201.88	245.48	57.68	241.56	653844.34	491806.68	32°21'3.9897"N	103°50'6.5319"W	1.02	1.01	7.08	
9310.00	2.450	226.490	9290.82	243.00	55.32	239.26	653842.05	491804.32	32°21'3.9665"N	103°50'6.5587"W	0.77	0.74	6.03	
9400.00	2.770	219.160	9380.73	239.99	52.31	236.50	653839.28	491801.31	32°21'3.9368"N	103°50'6.5912"W	0.51	0.36	-8.14	
9490.00	1.820	211.590	9470.65	237.64	49.41	234.37	653837.16	491798.41	32°21'3.9082"N	103°50'6.6161"W	1.11	-1.06	-8.41	
9579.00	1.160	200.030	9559.62	236.42	47.36	233.32	653836.11	491796.36	32°21'3.8880"N	103°50'6.6284"W	0.81	-0.74	-12.99	
9669.00	1.510	201.800	9649.60	235.51	45.40	232.57	653835.36	491794.40	32°21'3.8686"N	103°50'6.6373"W	0.39	0.39	1.97	
9758.00	1.840	201.680	9738.56	234.36	42.99	231.61	653834.39	491791.98	32°21'3.8448"N	103°50'6.6486"W	0.37	0.37	-0.13	
9848.00	1.810	209.450	9828.52	232.91	40.41	230.38	653833.16	491789.40	32°21'3.8193"N	103°50'6.6631"W	0.28	-0.03	8.63	
9900.00	1.860	200.000	9880.49	232.10	38.90	229.68	653832.47	491787.89	32°21'3.8044"N	103°50'6.6713"W	0.59	0.10	-18.17	12 1/4" Intermediate Section 3657' - 9900'
10031.00	1.960	192.330	10011.42	230.56	34.71	228.48	653831.26	491783.71	32°21'3.7630"N	103°50'6.6856"W	0.21	0.08	-5.85	
10121.00	1.330	95.670	10101.39	231.13	33.10	229.19	653831.97	491782.10	32°21'3.7471"N	103°50'6.6774"W	2.77	-0.70	-107.40	
10211.00	2.300	73.450	10191.35	233.93	33.52	231.96	653834.74	491782.51	32°21'3.7510"N	103°50'6.6451"W	1.31	1.08	-24.69	
10300.00	1.670	101.400	10280.30	236.92	33.77	234.94	653837.73	491782.77	32°21'3.7534"N	103°50'6.6103"W	1.28	-0.71	31.40	
10390.00	1.260	136.320	10370.27	238.80	32.79	236.91	653839.70	491781.79	32°21'3.7437"N	103°50'6.5874"W	1.07	-0.46	38.80	
10435.00	1.290	130.360	10415.26	239.47	32.11	237.64	653840.42	491781.10	32°21'3.7368"N	103°50'6.5789"W	0.30	0.07	-13.24	
10479.00	3.070	92.770	10459.22	240.99	31.73	239.19	653841.98	491780.73	32°21'3.7330"N	103°50'6.5608"W	4.99	4.05	-85.43	



Actual Wellpath Report

JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121'

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H
Slot	JRU DI 8 Eagle #110H		

WELLPATH DATA (182 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
10524.00	6.150	77.960	10504.08	244.58	32.17	242.76	653845.54	491781.17	32°21'3.7373"N	103°50'6.5193"W	7.28	6.84	-32.91	
10569.00	8.900	80.290	10548.68	250.44	33.26	248.55	653851.33	491782.26	32°21'3.7478"N	103°50'6.4517"W	6.15	6.11	5.18	
10613.00	9.410	84.390	10592.12	257.42	34.19	255.48	653858.26	491783.19	32°21'3.7566"N	103°50'6.3709"W	1.88	1.16	9.32	
10677.00	12.850	85.430	10654.91	269.78	35.27	267.78	653870.57	491784.27	32°21'3.7667"N	103°50'6.2274"W	5.38	5.38	1.62	
10722.00	17.440	83.280	10698.34	281.53	36.46	279.48	653882.26	491785.45	32°21'3.7780"N	103°50'6.0910"W	10.27	10.20	-4.78	
10767.00	21.130	83.180	10740.80	296.38	38.21	294.23	653897.01	491787.21	32°21'3.7946"N	103°50'5.9189"W	8.20	8.20	-0.22	
10812.00	24.570	83.170	10782.27	313.84	40.29	311.58	653914.36	491789.28	32°21'3.8144"N	103°50'5.7166"W	7.64	7.64	-0.02	
10857.00	28.080	79.530	10822.60	333.73	43.32	331.29	653934.07	491792.32	32°21'3.8435"N	103°50'5.4867"W	8.58	7.80	-8.09	
10902.00	32.320	74.990	10861.48	356.12	48.37	353.34	653956.11	491797.36	32°21'3.8924"N	103°50'5.2294"W	10.70	9.42	-10.09	
10946.00	36.560	73.160	10897.76	380.51	55.21	377.25	653980.03	491804.21	32°21'3.9591"N	103°50'4.9503"W	9.92	9.64	-4.16	
10991.00	41.760	70.730	10932.65	408.14	64.05	404.25	654007.02	491813.04	32°21'4.0452"N	103°50'4.6351"W	12.05	11.56	-5.40	
11036.00	46.720	69.040	10964.88	438.39	74.86	433.71	654036.48	491823.86	32°21'4.1509"N	103°50'4.2911"W	11.33	11.02	-3.76	
11081.00	52.480	69.820	10994.03	471.34	86.89	465.78	654068.55	491835.88	32°21'4.2684"N	103°50'3.9166"W	12.87	12.80	1.73	
11126.00	57.510	70.760	11019.84	506.94	99.30	500.47	654103.24	491848.30	32°21'4.3897"N	103°50'3.5115"W	11.31	11.18	2.09	
11170.00	63.580	70.850	11041.46	544.01	111.89	536.64	654139.40	491860.89	32°21'4.5126"N	103°50'3.0893"W	13.80	13.80	0.20	
11215.00	69.690	71.460	11059.30	584.05	125.23	575.72	654178.48	491874.22	32°21'4.6427"N	103°50'2.6330"W	13.63	13.58	1.36	
11260.00	74.300	72.340	11073.21	625.68	138.51	616.39	654219.15	491887.51	32°21'4.7723"N	103°50'2.1583"W	10.41	10.24	1.96	
11305.00	78.540	72.860	11083.77	668.34	151.59	658.12	654260.87	491900.58	32°21'4.8998"N	103°50'1.6711"W	9.49	9.42	1.16	
11350.00	83.020	73.610	11090.98	711.77	164.40	700.64	654303.39	491913.39	32°21'5.0245"N	103°50'1.1748"W	10.09	9.96	1.67	
11394.00	87.530	74.210	11094.60	754.74	176.55	742.76	654345.51	491925.54	32°21'5.1428"N	103°50'0.6831"W	10.34	10.25	1.36	
11439.00	91.020	74.520	11095.17	798.92	188.67	786.08	654388.83	491937.66	32°21'5.2608"N	103°50'0.1775"W	7.79	7.76	0.69	
11484.00	91.820	74.210	11094.06	843.09	200.80	829.41	654432.15	491949.78	32°21'5.3788"N	103°49'59.6718"W	1.91	1.78	-0.69	
11574.00	91.110	74.780	11091.76	931.46	224.85	916.10	654518.84	491973.83	32°21'5.6127"N	103°49'58.6599"W	1.01	-0.79	0.63	
11663.00	91.230	77.090	11089.94	1019.26	246.47	1002.41	654605.14	491995.45	32°21'5.8227"N	103°49'57.6527"W	2.60	0.13	2.60	
11753.00	89.940	79.870	11089.02	1108.61	264.44	1090.58	654693.31	492013.42	32°21'5.9964"N	103°49'56.6239"W	3.41	-1.43	3.09	
11842.00	90.680	81.800	11088.54	1197.33	278.62	1178.44	654781.16	492027.60	32°21'6.1326"N	103°49'55.5990"W	2.32	0.83	2.17	
11932.00	90.800	83.350	11087.38	1287.22	290.24	1267.67	654870.39	492039.23	32°21'6.2436"N	103°49'54.5582"W	1.73	0.13	1.72	
12021.00	89.290	83.580	11087.31	1376.17	300.37	1356.09	654958.80	492049.35	32°21'6.3397"N	103°49'53.5270"W	1.72	-1.70	0.26	
12111.00	88.460	83.650	11089.07	1466.11	310.38	1445.52	655048.22	492059.36	32°21'6.4346"N	103°49'52.4841"W	0.93	-0.92	0.08	
12200.00	90.060	83.530	11090.22	1555.06	320.31	1533.95	655136.65	492069.29	32°21'6.5288"N	103°49'51.4527"W	1.80	1.80	-0.13	



Actual Wellpath Report

JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121'

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H
Slot	JRU DI 8 Eagle #110H		

WELLPATH DATA (182 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
12290.00	90.830	83.490	11089.52	1645.02	330.49	1623.37	655226.06	492079.47	32°21'6.6253"N	103°49'50.4098"W	0.86	0.86	-0.04	
12379.00	90.190	83.840	11088.73	1733.98	340.31	1711.82	655314.51	492089.28	32°21'6.7183"N	103°49'49.3782"W	0.82	-0.72	0.39	
12469.00	88.150	86.100	11090.03	1823.96	348.20	1801.46	655404.14	492097.17	32°21'6.7922"N	103°49'48.3330"W	3.38	-2.27	2.51	
12558.00	88.800	86.850	11092.40	1912.90	353.67	1890.25	655492.93	492102.64	32°21'6.8422"N	103°49'47.2976"W	1.11	0.73	0.84	
12648.00	88.830	86.220	11094.26	2002.86	359.11	1980.07	655582.74	492108.08	32°21'6.8919"N	103°49'46.2503"W	0.70	0.03	-0.70	
12737.00	88.400	84.100	11096.42	2091.83	366.61	2068.72	655671.39	492115.59	32°21'6.9620"N	103°49'45.2165"W	2.43	-0.48	-2.38	
12827.00	88.980	85.060	11098.47	2181.80	375.11	2158.29	655760.95	492124.09	32°21'7.0419"N	103°49'44.1719"W	1.25	0.64	1.07	
12917.00	87.840	85.160	11100.97	2271.76	382.78	2247.93	655850.58	492131.75	32°21'7.1136"N	103°49'43.1267"W	1.27	-1.27	0.11	
13006.00	86.880	85.580	11105.07	2360.67	389.96	2336.54	655939.19	492138.93	32°21'7.1805"N	103°49'42.0933"W	1.18	-1.08	0.47	
13096.00	87.350	85.040	11109.60	2450.55	397.31	2426.13	656028.77	492146.28	32°21'7.2491"N	103°49'41.0487"W	0.79	0.52	-0.60	
13185.00	87.870	85.060	11113.31	2539.47	404.98	2514.72	656117.35	492153.95	32°21'7.3208"N	103°49'40.0156"W	0.58	0.58	0.02	
13275.00	88.680	84.710	11116.02	2629.43	413.00	2604.32	656206.95	492161.97	32°21'7.3960"N	103°49'38.9707"W	0.98	0.90	-0.39	
13364.00	89.600	84.090	11117.36	2718.41	421.68	2692.88	656295.51	492170.65	32°21'7.4778"N	103°49'37.9379"W	1.25	1.03	-0.70	
13454.00	90.430	84.720	11117.33	2808.40	430.46	2782.45	656385.07	492179.43	32°21'7.5604"N	103°49'36.8933"W	1.16	0.92	0.70	
13543.00	90.990	83.820	11116.23	2897.37	439.34	2871.00	656473.61	492188.31	32°21'7.6442"N	103°49'35.8606"W	1.19	0.63	-1.01	
13633.00	89.820	83.940	11115.59	2987.34	448.94	2960.48	656563.09	492197.91	32°21'7.7350"N	103°49'34.8170"W	1.31	-1.30	0.13	
13722.00	88.980	84.750	11116.53	3076.32	457.71	3049.04	656651.64	492206.68	32°21'7.8176"N	103°49'33.7842"W	1.31	-0.94	0.91	
13812.00	90.740	84.670	11116.75	3166.32	466.00	3138.66	656741.25	492214.97	32°21'7.8955"N	103°49'32.7392"W	1.96	1.96	-0.09	
13901.00	90.890	84.510	11115.48	3255.30	474.39	3227.25	656829.84	492223.36	32°21'7.9744"N	103°49'31.7060"W	0.25	0.17	-0.18	
13991.00	88.180	85.760	11116.21	3345.29	482.02	3316.91	656919.50	492230.99	32°21'8.0457"N	103°49'30.6604"W	3.32	-3.01	1.39	
14080.00	86.700	86.530	11120.19	3434.18	488.00	3405.62	657008.20	492236.97	32°21'8.1006"N	103°49'29.6261"W	1.87	-1.66	0.87	
14170.00	88.090	85.930	11124.28	3524.08	493.91	3495.33	657097.90	492242.88	32°21'8.1549"N	103°49'28.5800"W	1.68	1.54	-0.67	
14259.00	89.080	84.720	11126.47	3613.05	501.17	3584.01	657186.57	492250.13	32°21'8.2225"N	103°49'27.5460"W	1.76	1.11	-1.36	
14349.00	87.040	84.640	11129.52	3702.99	509.51	3673.56	657276.12	492258.47	32°21'8.3008"N	103°49'26.5016"W	2.27	-2.27	-0.09	
14439.00	86.950	85.350	11134.24	3792.86	517.35	3763.09	657365.65	492266.31	32°21'8.3742"N	103°49'25.4575"W	0.79	-0.10	0.79	
14528.00	89.660	85.160	11136.87	3881.81	524.70	3851.74	657454.29	492273.67	32°21'8.4428"N	103°49'24.4238"W	3.05	3.04	-0.21	
14617.00	90.800	86.370	11136.51	3970.81	531.28	3940.50	657543.04	492280.24	32°21'8.5037"N	103°49'23.3888"W	1.87	1.28	1.36	
14707.00	87.750	87.410	11137.65	4060.75	536.16	4030.34	657632.88	492285.12	32°21'8.5477"N	103°49'22.3412"W	3.58	-3.39	1.16	
14796.00	89.200	88.440	11140.02	4149.62	539.38	4119.25	657721.78	492288.34	32°21'8.5754"N	103°49'21.3047"W	2.00	1.63	1.16	
14886.00	91.050	88.810	11139.82	4239.47	541.54	4209.22	657811.74	492290.50	32°21'8.5925"N	103°49'20.2558"W	2.10	2.06	0.41	



Actual Wellpath Report

JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121'

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REFERENCE WELLPATH IDENTIFICATION				
Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H	
Field	Wolfcamp (Eddy Co., NM)	API/Legal		
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H	
Slot	JRU DI 8 Eagle #110H			

WELLPATH DATA (182 stations) † = interpolated, ‡ = extrapolated station														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
14975.00	91.290	87.220	11138.01	4328.34	544.62	4298.15	657900.66	492293.59	32°21'8.6188"N	103°49'19.2191"W	1.81	0.27	-1.79	8 1/2" Curve/Lateral Section 9900' - 14975'
15121.00‡	91.290	87.220	11134.72	4474.22	551.70	4443.94	658046.44	492300.66	32°21'8.6820"N	103°49'17.5192"W	0.00	0.00	0.00	Projection to Bit @ 15121 MD

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
JRU DI 8 Eagle #110H FTP	11094.00	251.72	1028.47	654631.20	492000.70	32°21'5.8734"N	103°49'57.3486"W	point
JRU DI 8 Eagle #110H BHL	11212.00	906.56	8580.57	662182.80	492655.50	32°21'11.9951"N	103°48'29.2797"W	rectangle
2D Rectangle 7580.39 x 100.								
JRU DI 8 Eagle #110H LTP	11212.00	902.26	8530.56	662132.80	492651.20	32°21'11.9550"N	103°48'29.8628"W	point

WELLPATH COMPOSITION - Ref Wellbore: JRU DI 8 Eagle #110H					Ref Wellpath: JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121'		
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment		Wellbore	Survey Date	
25.00	503.00	BH NaviTrak (2019) (Standard)	Surface Surveys 159' - 503'		JRU DI 8 Eagle #110H	27/Feb/2020	
503.00	3657.00	BH NaviTrak (2019) (Standard)	17 1/2" Intermediate Section 503' -3657'		JRU DI 8 Eagle #110H	06/Mar/2020	
3657.00	9900.00	BH NaviTrak (2019) (Standard)	12 1/4" Intermediate Section 3657' - 9900'		JRU DI 8 Eagle #110H	17/Mar/2020	
9900.00	15121.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	8 1/2" Curve/Lateral Section 9900' - 14975'		JRU DI 8 Eagle #110H	22/Mar/2020	

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1058 Baker Hughes Drive
Broussard, LA 70518, USA



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Tel 337-856-7201 or 800-395-7201

State of New Mexico

County of Eddy

I, Gail Deering, Technical Support Engineer, certify that I am employed by Baker Hughes; did conduct or supervise on the day(s) of 03/01/2020 through 03/29/2020 conduct or supervise the taking of a MWD survey from a depth of 14439 feet to a depth of 19274 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Baker Hughes; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Permian Operating LLC. for the JRU DI8 Eagle #110H ST01 Well, API No. 300154666301 in Wildcat field; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Baker Hughes.

Gail Deering

Technical Support Engineer

SO#: 110237717



Actual Wellpath Report

JRU DI 8 Eagle #110H ST01 AWB 14439' - 19249' Proj: 19274'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H ST01
Slot	JRU DI 8 Eagle #110H	Sidetrack from	JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121' at 14439.00 MD

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Gail Deering
Scale	0.999936	Report Generated	08/Apr/2020 at 16:15
Convergence at slot	0.27° East	Database	WA_HOU_Midland_Defn

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	653602.80	491749.00	32°21'3.4301"N	103°50'9.3507"W
Facility Reference Pt			653602.80	491749.00	32°21'3.4301"N	103°50'9.3507"W
Field Reference Pt			152400.30	0.00	30°59'42.8458"N	105°26'33.6593"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Precision 598 (RKB) to Facility Vertical Datum	3342.00ft
Horizontal Reference Pt	Slot	Precision 598 (RKB) to Mean Sea Level	3342.00ft
Vertical Reference Pt	Precision 598 (RKB)	Precision 598 (RKB) to Ground Level at Slot (JRU DI 8 Eagle #110H)	25.00ft
MD Reference Pt	Precision 598 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	85.29°



Actual Wellpath Report

JRU DI 8 Eagle #110H ST01 AWB 14439' - 19249' Proj: 19274'

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H ST01
Slot	JRU DI 8 Eagle #110H	Sidetrack from	JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121' at 14439.00 MD

WELLPATH DATA (231 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	178.150	0.00	0.00	0.00	0.00	653602.80	491749.00	32°21'3.4301"N	103°50'9.3507"W	0.00	0.00	0.00	
25.00	0.000	178.150	25.00	0.00	0.00	0.00	653602.80	491749.00	32°21'3.4301"N	103°50'9.3507"W	0.00	0.00	0.00	
159.00	0.740	178.150	159.00	-0.04	-0.86	0.03	653602.83	491748.14	32°21'3.4215"N	103°50'9.3504"W	0.55	0.55	0.00	
251.00	0.960	166.050	250.99	0.05	-2.21	0.23	653603.03	491746.79	32°21'3.4082"N	103°50'9.3481"W	0.31	0.24	-13.15	
341.00	1.050	169.030	340.97	0.26	-3.75	0.57	653603.37	491745.25	32°21'3.3930"N	103°50'9.3443"W	0.12	0.10	3.31	
433.00	1.080	157.970	432.96	0.61	-5.38	1.06	653603.86	491743.62	32°21'3.3768"N	103°50'9.3387"W	0.23	0.03	-12.02	
503.00	1.100	139.640	502.94	1.20	-6.50	1.74	653604.54	491742.50	32°21'3.3657"N	103°50'9.3308"W	0.50	0.03	-26.19	Surface Surveys 159' - 509'
577.00	1.450	162.210	576.93	1.83	-7.94	2.49	653605.29	491741.07	32°21'3.3514"N	103°50'9.3222"W	0.82	0.47	30.50	
622.00	1.180	145.870	621.91	2.18	-8.86	2.92	653605.72	491740.14	32°21'3.3423"N	103°50'9.3172"W	1.02	-0.60	-36.31	
714.00	0.980	141.460	713.90	3.09	-10.26	3.94	653606.74	491738.74	32°21'3.3284"N	103°50'9.3053"W	0.24	-0.22	-4.79	
805.00	0.370	153.690	804.89	3.63	-11.13	4.56	653607.36	491737.87	32°21'3.3197"N	103°50'9.2982"W	0.68	-0.67	13.44	
895.00	1.060	328.920	894.89	3.36	-10.68	4.26	653607.06	491738.32	32°21'3.3242"N	103°50'9.3017"W	1.59	0.77	194.70	
986.00	1.290	334.960	985.87	2.63	-9.03	3.39	653606.19	491739.97	32°21'3.3406"N	103°50'9.3117"W	0.29	0.25	6.64	
1077.00	0.800	357.960	1076.85	2.31	-7.47	2.93	653605.73	491741.53	32°21'3.3560"N	103°50'9.3170"W	0.70	-0.54	25.27	
1169.00	0.790	352.750	1168.84	2.31	-6.20	2.83	653605.63	491742.80	32°21'3.3686"N	103°50'9.3181"W	0.08	-0.01	-5.66	
1261.00	0.760	343.030	1260.84	2.15	-4.98	2.57	653605.37	491744.02	32°21'3.3806"N	103°50'9.3210"W	0.15	-0.03	-10.57	
1351.00	0.460	316.610	1350.83	1.80	-4.15	2.15	653604.95	491744.85	32°21'3.3889"N	103°50'9.3259"W	0.45	-0.33	-29.36	
1440.00	0.440	2.210	1439.83	1.62	-3.55	1.92	653604.72	491745.45	32°21'3.3949"N	103°50'9.3286"W	0.39	-0.02	51.24	
1530.00	0.220	332.270	1529.83	1.59	-3.05	1.85	653604.65	491745.95	32°21'3.3998"N	103°50'9.3293"W	0.30	-0.24	-33.27	
1620.00	0.030	119.290	1619.83	1.54	-2.91	1.79	653604.59	491746.09	32°21'3.4012"N	103°50'9.3300"W	0.27	-0.21	163.36	
1709.00	0.070	180.640	1708.83	1.56	-2.98	1.81	653604.61	491746.02	32°21'3.4005"N	103°50'9.3298"W	0.07	0.04	68.93	
1799.00	0.190	184.520	1798.83	1.53	-3.18	1.80	653604.60	491745.82	32°21'3.3985"N	103°50'9.3300"W	0.13	0.13	4.31	
1888.00	0.030	66.590	1887.83	1.53	-3.32	1.81	653604.61	491745.68	32°21'3.3972"N	103°50'9.3298"W	0.23	-0.18	-132.51	
1978.00	0.990	66.750	1977.82	2.29	-3.00	2.54	653605.34	491746.00	32°21'3.4003"N	103°50'9.3212"W	1.07	1.07	0.18	
2067.00	2.460	80.320	2066.78	4.92	-2.38	5.13	653607.93	491746.62	32°21'3.4063"N	103°50'9.2910"W	1.70	1.65	15.25	
2157.00	3.920	76.400	2156.64	9.88	-1.33	10.03	653612.82	491747.67	32°21'3.4165"N	103°50'9.2339"W	1.64	1.62	-4.36	
2246.00	5.520	77.780	2245.33	17.13	0.29	17.17	653619.97	491749.29	32°21'3.4322"N	103°50'9.1506"W	1.80	1.80	1.55	
2336.00	7.140	74.350	2334.78	26.92	2.72	26.78	653629.58	491751.72	32°21'3.4557"N	103°50'9.0384"W	1.85	1.80	-3.81	
2426.00	8.340	71.710	2423.96	38.75	6.28	38.37	653641.16	491755.28	32°21'3.4904"N	103°50'8.9031"W	1.39	1.33	-2.93	
2515.00	8.550	71.270	2512.00	51.45	10.43	50.76	653653.56	491759.42	32°21'3.5309"N	103°50'8.7584"W	0.25	0.24	-0.49	



Actual Wellpath Report

JRU DI 8 Eagle #110H ST01 AWB 14439' - 19249' Proj: 19274'

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H ST01
Slot	JRU DI 8 Eagle #110H	Sidetrack from	JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121' at 14439.00 MD

WELLPATH DATA (231 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
2605.00	8.370	73.250	2601.02	64.34	14.46	63.37	653666.17	491763.46	32°21'3.5703"N	103°50'8.6113"W	0.38	-0.20	2.20	
2694.00	8.160	73.260	2689.09	76.86	18.15	75.62	653678.42	491767.15	32°21'3.6062"N	103°50'8.4683"W	0.24	-0.24	0.01	
2784.00	9.490	73.420	2778.02	90.36	22.10	88.85	653691.64	491771.10	32°21'3.6447"N	103°50'8.3138"W	1.48	1.48	0.18	
2873.00	9.000	73.540	2865.87	104.36	26.17	102.56	653705.35	491775.17	32°21'3.6843"N	103°50'8.1538"W	0.55	-0.55	0.13	
2963.00	9.360	73.490	2954.71	118.42	30.25	116.33	653719.12	491779.24	32°21'3.7240"N	103°50'7.9931"W	0.40	0.40	-0.06	
3052.00	9.840	72.930	3042.47	132.93	34.53	130.53	653733.33	491783.53	32°21'3.7658"N	103°50'7.8273"W	0.55	0.54	-0.63	
3142.00	9.470	74.010	3131.19	147.70	38.83	145.00	653747.79	491787.83	32°21'3.8077"N	103°50'7.6584"W	0.46	-0.41	1.20	
3232.00	8.790	73.790	3220.05	161.70	42.79	158.72	653761.51	491791.79	32°21'3.8462"N	103°50'7.4982"W	0.76	-0.76	-0.24	
3321.00	8.870	74.520	3308.00	175.11	46.52	171.87	653774.66	491795.52	32°21'3.8825"N	103°50'7.3448"W	0.15	0.09	0.82	
3411.00	8.720	74.930	3396.94	188.63	50.15	185.14	653787.93	491799.14	32°21'3.9178"N	103°50'7.1899"W	0.18	-0.17	0.46	
3501.00	8.250	76.270	3485.95	201.72	53.45	198.00	653800.79	491802.45	32°21'3.9499"N	103°50'7.0398"W	0.57	-0.52	1.49	
3590.00	7.850	77.100	3574.08	214.04	56.33	210.13	653812.92	491805.32	32°21'3.9778"N	103°50'6.8983"W	0.47	-0.45	0.93	
3657.00	7.670	76.440	3640.46	222.99	58.39	218.94	653821.72	491807.39	32°21'3.9978"N	103°50'6.7955"W	0.30	-0.27	-0.99	17 1/2" Intermediate Section 503' - 3657'
3755.00	7.270	75.840	3737.63	235.57	61.45	231.31	653834.09	491810.44	32°21'4.0274"N	103°50'6.6512"W	0.42	-0.41	-0.61	
3845.00	6.110	75.040	3827.02	245.90	64.07	241.46	653844.24	491813.07	32°21'4.0530"N	103°50'6.5327"W	1.29	-1.29	-0.89	
3934.00	4.430	78.250	3915.64	253.97	66.00	249.40	653852.18	491814.99	32°21'4.0717"N	103°50'6.4400"W	1.92	-1.89	3.61	
4024.00	3.300	73.400	4005.43	259.96	67.45	255.28	653858.07	491816.44	32°21'4.0857"N	103°50'6.3714"W	1.31	-1.26	-5.39	
4113.00	2.040	71.880	4094.33	264.01	68.67	259.24	653862.03	491817.67	32°21'4.0977"N	103°50'6.3251"W	1.42	-1.42	-1.71	
4203.00	1.000	80.680	4184.30	266.35	69.30	261.54	653864.32	491818.29	32°21'4.1037"N	103°50'6.2983"W	1.18	-1.16	9.78	
4292.00	0.200	123.170	4273.30	267.24	69.34	262.44	653865.22	491818.33	32°21'4.1041"N	103°50'6.2879"W	0.97	-0.90	47.74	
4382.00	0.750	278.890	4363.29	266.80	69.34	261.99	653864.77	491818.34	32°21'4.1042"N	103°50'6.2931"W	1.04	0.61	173.02	
4471.00	1.090	276.600	4452.28	265.40	69.53	260.57	653863.35	491818.52	32°21'4.1061"N	103°50'6.3096"W	0.38	0.38	-2.57	
4561.00	1.120	269.720	4542.27	263.68	69.62	258.84	653861.62	491818.62	32°21'4.1071"N	103°50'6.3298"W	0.15	0.03	-7.64	
4651.00	1.160	267.010	4632.25	261.90	69.57	257.05	653859.83	491818.57	32°21'4.1067"N	103°50'6.3506"W	0.07	0.04	-3.01	
4740.00	1.340	277.490	4721.23	259.98	69.66	255.12	653857.90	491818.65	32°21'4.1076"N	103°50'6.3731"W	0.33	0.20	11.78	
4830.00	1.280	273.040	4811.20	257.95	69.85	253.07	653855.86	491818.85	32°21'4.1096"N	103°50'6.3970"W	0.13	-0.07	-4.94	
4920.00	1.270	275.780	4901.18	255.98	70.00	251.08	653853.86	491819.00	32°21'4.1112"N	103°50'6.4202"W	0.07	-0.01	3.04	
5009.00	1.410	284.830	4990.16	253.97	70.38	249.04	653851.82	491819.38	32°21'4.1151"N	103°50'6.4440"W	0.28	0.16	10.17	
5099.00	1.570	264.830	5080.13	251.70	70.56	246.74	653849.52	491819.55	32°21'4.1169"N	103°50'6.4708"W	0.60	0.18	-22.22	
5189.00	1.220	287.980	5170.10	249.58	70.74	244.60	653847.38	491819.74	32°21'4.1188"N	103°50'6.4957"W	0.73	-0.39	25.72	



Actual Wellpath Report

JRU DI 8 Eagle #110H ST01 AWB 14439' - 19249' Proj: 19274'

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H ST01
Slot	JRU DI 8 Eagle #110H	Sidetrack from	JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121' at 14439.00 MD

WELLPATH DATA (231 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
5278.00	0.070	195.980	5259.09	248.69	70.98	243.68	653846.47	491819.98	32°21'4.1212"N	103°50'6.5064"W	1.38	-1.29	-103.37	
5368.00	0.250	44.900	5349.09	248.82	71.07	243.81	653846.59	491820.06	32°21'4.1221"N	103°50'6.5049"W	0.35	0.20	-167.87	
5458.00	0.470	104.020	5439.09	249.32	71.12	244.30	653847.09	491820.11	32°21'4.1225"N	103°50'6.4991"W	0.45	0.24	65.69	
5547.00	0.710	93.210	5528.09	250.21	71.00	245.21	653847.99	491819.99	32°21'4.1213"N	103°50'6.4886"W	0.30	0.27	-12.15	
5637.00	0.560	88.710	5618.08	251.20	70.98	246.20	653848.99	491819.97	32°21'4.1211"N	103°50'6.4770"W	0.18	-0.17	-5.00	
5726.00	0.570	108.700	5707.08	252.04	70.84	247.06	653849.84	491819.84	32°21'4.1197"N	103°50'6.4670"W	0.22	0.01	22.46	
5816.00	0.410	114.750	5797.07	252.73	70.57	247.77	653850.56	491819.56	32°21'4.1169"N	103°50'6.4587"W	0.19	-0.18	6.72	
5906.00	0.440	124.350	5887.07	253.28	70.24	248.35	653851.14	491819.23	32°21'4.1136"N	103°50'6.4520"W	0.09	0.03	10.67	
5995.00	0.500	118.250	5976.07	253.87	69.86	248.98	653851.76	491818.85	32°21'4.1099"N	103°50'6.4447"W	0.09	0.07	-6.85	
6085.00	0.510	114.720	6066.06	254.55	69.51	249.69	653852.47	491818.50	32°21'4.1064"N	103°50'6.4365"W	0.04	0.01	-3.92	
6175.00	0.600	148.010	6156.06	255.12	68.94	250.30	653853.08	491817.93	32°21'4.1007"N	103°50'6.4294"W	0.37	0.10	36.99	
6264.00	0.540	147.510	6245.06	255.52	68.19	250.77	653853.56	491817.18	32°21'4.0933"N	103°50'6.4239"W	0.07	-0.07	-0.56	
6354.00	0.540	154.400	6335.05	255.87	67.45	251.18	653853.97	491816.44	32°21'4.0859"N	103°50'6.4191"W	0.07	0.00	7.66	
6444.00	0.490	179.940	6425.05	255.99	66.68	251.37	653854.15	491815.68	32°21'4.0783"N	103°50'6.4170"W	0.26	-0.06	28.38	
6533.00	0.550	185.650	6514.05	255.89	65.88	251.32	653854.11	491814.87	32°21'4.0704"N	103°50'6.4176"W	0.09	0.07	6.42	
6623.00	0.620	196.300	6604.04	255.63	64.98	251.15	653853.93	491813.97	32°21'4.0615"N	103°50'6.4197"W	0.14	0.08	11.83	
6713.00	0.870	191.890	6694.03	255.26	63.84	250.87	653853.65	491812.84	32°21'4.0503"N	103°50'6.4230"W	0.28	0.28	-4.90	
6802.00	0.620	177.480	6783.03	255.05	62.70	250.75	653853.53	491811.70	32°21'4.0390"N	103°50'6.4244"W	0.35	-0.28	-16.19	
6892.00	0.470	172.110	6873.02	255.05	61.85	250.82	653853.61	491810.84	32°21'4.0305"N	103°50'6.4236"W	0.18	-0.17	-5.97	
6981.00	0.170	183.130	6962.02	255.06	61.36	250.87	653853.65	491810.35	32°21'4.0257"N	103°50'6.4232"W	0.34	-0.34	12.38	
7070.00	0.140	78.570	7051.02	255.15	61.24	250.96	653853.75	491810.24	32°21'4.0246"N	103°50'6.4220"W	0.28	-0.03	-117.48	
7160.00	0.150	305.150	7141.02	255.16	61.33	250.98	653853.76	491810.33	32°21'4.0254"N	103°50'6.4219"W	0.30	0.01	-148.24	
7249.00	0.110	200.950	7230.02	255.04	61.32	250.85	653853.63	491810.32	32°21'4.0253"N	103°50'6.4234"W	0.23	-0.04	-117.08	
7339.00	0.190	40.280	7320.02	255.11	61.36	250.92	653853.70	491810.35	32°21'4.0257"N	103°50'6.4226"W	0.33	0.09	-178.52	
7429.00	0.040	21.780	7410.02	255.23	61.50	251.02	653853.81	491810.49	32°21'4.0271"N	103°50'6.4213"W	0.17	-0.17	-20.56	
7518.00	0.090	317.250	7499.02	255.20	61.58	250.99	653853.77	491810.57	32°21'4.0279"N	103°50'6.4217"W	0.09	0.06	-72.51	
7608.00	0.320	162.080	7589.02	255.21	61.39	251.02	653853.80	491810.39	32°21'4.0260"N	103°50'6.4214"W	0.45	0.26	-172.41	
7698.00	0.350	241.120	7679.02	255.02	61.02	250.85	653853.64	491810.02	32°21'4.0223"N	103°50'6.4233"W	0.47	0.03	87.82	
7787.00	0.800	236.030	7768.01	254.23	60.54	250.10	653852.88	491809.54	32°21'4.0176"N	103°50'6.4321"W	0.51	0.51	-5.72	
7877.00	0.650	238.350	7858.01	253.22	59.92	249.14	653851.93	491808.92	32°21'4.0116"N	103°50'6.4433"W	0.17	-0.17	2.58	



Actual Wellpath Report

JRU DI 8 Eagle #110H ST01 AWB 14439' - 19249' Proj: 19274'

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H ST01
Slot	JRU DI 8 Eagle #110H	Sidetrack from	JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121' at 14439.00 MD

WELLPATH DATA (231 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
7966.00	1.150	262.550	7946.99	251.88	59.54	247.83	653850.61	491808.54	32°21'4.0078"N	103°50'6.4587"W	0.69	0.56	27.19	
8056.00	1.360	271.510	8036.97	249.92	59.45	245.87	653848.65	491808.45	32°21'4.0071"N	103°50'6.4815"W	0.32	0.23	9.96	
8145.00	1.090	285.300	8125.95	248.07	59.70	243.99	653846.78	491808.70	32°21'4.0096"N	103°50'6.5034"W	0.45	-0.30	15.49	
8235.00	0.720	329.810	8215.94	247.02	60.42	242.88	653845.67	491809.41	32°21'4.0167"N	103°50'6.5163"W	0.85	-0.41	49.46	
8325.00	0.380	17.030	8305.94	246.89	61.19	242.69	653845.47	491810.19	32°21'4.0244"N	103°50'6.5185"W	0.60	-0.38	52.47	
8415.00	0.380	13.180	8395.94	247.09	61.77	242.84	653845.63	491810.76	32°21'4.0301"N	103°50'6.5167"W	0.03	0.00	-4.28	
8504.00	0.370	18.490	8484.93	247.30	62.33	243.00	653845.78	491811.32	32°21'4.0356"N	103°50'6.5148"W	0.04	-0.01	5.97	
8594.00	0.280	311.190	8574.93	247.26	62.75	242.93	653845.71	491811.74	32°21'4.0398"N	103°50'6.5156"W	0.41	-0.10	-74.78	
8683.00	0.560	229.850	8663.93	246.75	62.61	242.43	653845.22	491811.61	32°21'4.0385"N	103°50'6.5214"W	0.66	0.31	-91.39	
8773.00	0.780	215.420	8753.93	246.00	61.83	241.74	653844.52	491810.82	32°21'4.0308"N	103°50'6.5295"W	0.31	0.24	-16.03	
8862.00	0.640	138.330	8842.92	245.91	60.96	241.72	653844.50	491809.96	32°21'4.0222"N	103°50'6.5298"W	1.00	-0.16	-86.62	
8952.00	0.650	106.790	8932.92	246.69	60.44	242.54	653845.33	491809.44	32°21'4.0170"N	103°50'6.5202"W	0.39	0.01	-35.04	
9042.00	0.310	151.120	9022.91	247.26	60.08	243.15	653845.93	491809.08	32°21'4.0134"N	103°50'6.5132"W	0.53	-0.38	49.26	
9131.00	0.880	214.750	9111.91	246.93	59.31	242.88	653845.66	491808.30	32°21'4.0058"N	103°50'6.5164"W	0.89	0.64	71.49	
9221.00	1.790	221.120	9201.88	245.48	57.68	241.56	653844.34	491806.68	32°21'3.9897"N	103°50'6.5319"W	1.02	1.01	7.08	
9310.00	2.450	226.490	9290.82	243.00	55.32	239.26	653842.05	491804.32	32°21'3.9665"N	103°50'6.5587"W	0.77	0.74	6.03	
9400.00	2.770	219.160	9380.73	239.99	52.31	236.50	653839.28	491801.31	32°21'3.9368"N	103°50'6.5912"W	0.51	0.36	-8.14	
9490.00	1.820	211.590	9470.65	237.64	49.41	234.37	653837.16	491798.41	32°21'3.9082"N	103°50'6.6161"W	1.11	-1.06	-8.41	
9579.00	1.160	200.030	9559.62	236.42	47.36	233.32	653836.11	491796.36	32°21'3.8880"N	103°50'6.6284"W	0.81	-0.74	-12.99	
9669.00	1.510	201.800	9649.60	235.51	45.40	232.57	653835.36	491794.40	32°21'3.8686"N	103°50'6.6373"W	0.39	0.39	1.97	
9758.00	1.840	201.680	9738.56	234.36	42.99	231.61	653834.39	491791.98	32°21'3.8448"N	103°50'6.6486"W	0.37	0.37	-0.13	
9848.00	1.810	209.450	9828.52	232.92	40.41	230.38	653833.16	491789.40	32°21'3.8193"N	103°50'6.6631"W	0.28	-0.03	8.63	
9900.00	1.860	200.000	9880.49	232.10	38.90	229.68	653832.47	491787.89	32°21'3.8044"N	103°50'6.6713"W	0.59	0.10	-18.17	12 1/4" Intermediate Section 3657' - 9900'
10031.00	1.960	192.330	10011.42	230.56	34.71	228.48	653831.26	491783.71	32°21'3.7630"N	103°50'6.6856"W	0.21	0.08	-5.85	
10121.00	1.330	95.670	10101.39	231.13	33.10	229.19	653831.97	491782.10	32°21'3.7471"N	103°50'6.6774"W	2.77	-0.70	-107.40	
10211.00	2.300	73.450	10191.35	233.93	33.52	231.96	653834.74	491782.51	32°21'3.7510"N	103°50'6.6451"W	1.31	1.08	-24.69	
10300.00	1.670	101.400	10280.30	236.92	33.77	234.94	653837.73	491782.77	32°21'3.7534"N	103°50'6.6103"W	1.28	-0.71	31.40	
10390.00	1.260	136.320	10370.27	238.80	32.79	236.91	653839.70	491781.79	32°21'3.7437"N	103°50'6.5874"W	1.07	-0.46	38.80	
10435.00	1.290	130.360	10415.26	239.47	32.11	237.64	653840.42	491781.10	32°21'3.7368"N	103°50'6.5789"W	0.30	0.07	-13.24	
10479.00	3.070	92.770	10459.22	240.99	31.73	239.19	653841.98	491780.73	32°21'3.7330"N	103°50'6.5608"W	4.99	4.05	-85.43	



Actual Wellpath Report

JRU DI 8 Eagle #110H ST01 AWB 14439' - 19249' Proj: 19274'

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H ST01
Slot	JRU DI 8 Eagle #110H	Sidetrack from	JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121' at 14439.00 MD

WELLPATH DATA (231 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
10524.00	6.150	77.960	10504.08	244.58	32.17	242.76	653845.54	491781.17	32°21'3.7373"N	103°50'6.5193"W	7.28	6.84	-32.91	
10569.00	8.900	80.290	10548.68	250.44	33.26	248.55	653851.33	491782.26	32°21'3.7478"N	103°50'6.4517"W	6.15	6.11	5.18	
10613.00	9.410	84.390	10592.12	257.42	34.19	255.48	653858.26	491783.19	32°21'3.7566"N	103°50'6.3709"W	1.88	1.16	9.32	
10677.00	12.850	85.430	10654.91	269.78	35.27	267.78	653870.57	491784.27	32°21'3.7667"N	103°50'6.2274"W	5.38	5.38	1.62	
10722.00	17.440	83.280	10698.34	281.53	36.46	279.48	653882.26	491785.45	32°21'3.7780"N	103°50'6.0910"W	10.27	10.20	-4.78	
10767.00	21.130	83.180	10740.80	296.38	38.21	294.23	653897.01	491787.21	32°21'3.7946"N	103°50'5.9189"W	8.20	8.20	-0.22	
10812.00	24.570	83.170	10782.27	313.84	40.29	311.58	653914.36	491789.28	32°21'3.8144"N	103°50'5.7166"W	7.64	7.64	-0.02	
10857.00	28.080	79.530	10822.60	333.73	43.32	331.29	653934.07	491792.32	32°21'3.8435"N	103°50'5.4867"W	8.58	7.80	-8.09	
10902.00	32.320	74.990	10861.48	356.12	48.37	353.34	653956.11	491797.36	32°21'3.8924"N	103°50'5.2294"W	10.70	9.42	-10.09	
10946.00	36.560	73.160	10897.76	380.51	55.21	377.25	653980.03	491804.21	32°21'3.9591"N	103°50'4.9503"W	9.92	9.64	-4.16	
10991.00	41.760	70.730	10932.65	408.14	64.05	404.25	654007.02	491813.04	32°21'4.0452"N	103°50'4.6351"W	12.05	11.56	-5.40	
11036.00	46.720	69.040	10964.88	438.39	74.86	433.71	654036.48	491823.86	32°21'4.1509"N	103°50'4.2911"W	11.33	11.02	-3.76	
11081.00	52.480	69.820	10994.03	471.34	86.89	465.78	654068.55	491835.88	32°21'4.2684"N	103°50'3.9166"W	12.87	12.80	1.73	
11126.00	57.510	70.760	11019.84	506.94	99.30	500.47	654103.24	491848.30	32°21'4.3897"N	103°50'3.5115"W	11.31	11.18	2.09	
11170.00	63.580	70.850	11041.46	544.02	111.89	536.64	654139.40	491860.89	32°21'4.5126"N	103°50'3.0893"W	13.80	13.80	0.20	
11215.00	69.690	71.460	11059.30	584.06	125.23	575.72	654178.48	491874.22	32°21'4.6427"N	103°50'2.6330"W	13.63	13.58	1.36	
11260.00	74.300	72.340	11073.21	625.68	138.51	616.39	654219.15	491887.51	32°21'4.7723"N	103°50'2.1583"W	10.41	10.24	1.96	
11305.00	78.540	72.860	11083.77	668.34	151.59	658.12	654260.87	491900.58	32°21'4.8998"N	103°50'1.6711"W	9.49	9.42	1.16	
11350.00	83.020	73.610	11090.98	711.77	164.40	700.64	654303.39	491913.39	32°21'5.0245"N	103°50'1.1748"W	10.09	9.96	1.67	
11394.00	87.530	74.210	11094.60	754.75	176.55	742.76	654345.51	491925.54	32°21'5.1428"N	103°50'0.6831"W	10.34	10.25	1.36	
11439.00	91.020	74.520	11095.17	798.92	188.67	786.08	654388.83	491937.66	32°21'5.2608"N	103°50'0.1775"W	7.79	7.76	0.69	
11484.00	91.820	74.210	11094.06	843.09	200.80	829.41	654432.15	491949.78	32°21'5.3788"N	103°49'59.6718"W	1.91	1.78	-0.69	
11574.00	91.110	74.780	11091.76	931.47	224.85	916.10	654518.84	491973.83	32°21'5.6127"N	103°49'58.6599"W	1.01	-0.79	0.63	
11663.00	91.230	77.090	11089.94	1019.26	246.47	1002.41	654605.14	491995.45	32°21'5.8227"N	103°49'57.6527"W	2.60	0.13	2.60	
11753.00	89.940	79.870	11089.02	1108.61	264.44	1090.58	654693.31	492013.42	32°21'5.9964"N	103°49'56.6239"W	3.41	-1.43	3.09	
11842.00	90.680	81.800	11088.54	1197.34	278.62	1178.44	654781.16	492027.60	32°21'6.1326"N	103°49'55.5990"W	2.32	0.83	2.17	
11932.00	90.800	83.350	11087.38	1287.23	290.24	1267.67	654870.39	492039.23	32°21'6.2436"N	103°49'54.5582"W	1.73	0.13	1.72	
12021.00	89.290	83.580	11087.31	1376.18	300.37	1356.09	654958.80	492049.35	32°21'6.3397"N	103°49'53.5270"W	1.72	-1.70	0.26	
12111.00	88.460	83.650	11089.07	1466.12	310.38	1445.52	655048.22	492059.36	32°21'6.4346"N	103°49'52.4841"W	0.93	-0.92	0.08	
12200.00	90.060	83.530	11090.22	1555.07	320.31	1533.95	655136.65	492069.29	32°21'6.5288"N	103°49'51.4527"W	1.80	1.80	-0.13	



Actual Wellpath Report

JRU DI 8 Eagle #110H ST01 AWB 14439' - 19249' Proj: 19274'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H ST01
Slot	JRU DI 8 Eagle #110H	Sidetrack from	JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121' at 14439.00 MD

WELLPATH DATA (231 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
12290.00	90.830	83.490	11089.52	1645.02	330.49	1623.37	655226.06	492079.47	32°21'6.6253"N	103°49'50.4098"W	0.86	0.86	-0.04	
12379.00	90.190	83.840	11088.73	1733.98	340.31	1711.82	655314.51	492089.28	32°21'6.7183"N	103°49'49.3782"W	0.82	-0.72	0.39	
12469.00	88.150	86.100	11090.03	1823.96	348.20	1801.46	655404.14	492097.17	32°21'6.7922"N	103°49'48.3330"W	3.38	-2.27	2.51	
12558.00	88.800	86.850	11092.40	1912.91	353.67	1890.25	655492.93	492102.64	32°21'6.8422"N	103°49'47.2976"W	1.11	0.73	0.84	
12648.00	88.830	86.220	11094.26	2002.87	359.11	1980.07	655582.74	492108.08	32°21'6.8919"N	103°49'46.2503"W	0.70	0.03	-0.70	
12737.00	88.400	84.100	11096.42	2091.84	366.61	2068.72	655671.39	492115.59	32°21'6.9620"N	103°49'45.2165"W	2.43	-0.48	-2.38	
12827.00	88.980	85.060	11098.47	2181.81	375.11	2158.29	655760.95	492124.09	32°21'7.0419"N	103°49'44.1719"W	1.25	0.64	1.07	
12917.00	87.840	85.160	11100.97	2271.77	382.78	2247.93	655850.58	492131.75	32°21'7.1136"N	103°49'43.1267"W	1.27	-1.27	0.11	
13006.00	86.880	85.580	11105.07	2360.67	389.96	2336.54	655939.19	492138.93	32°21'7.1805"N	103°49'42.0933"W	1.18	-1.08	0.47	
13096.00	87.350	85.040	11109.60	2450.56	397.31	2426.13	656028.77	492146.28	32°21'7.2491"N	103°49'41.0487"W	0.79	0.52	-0.60	
13185.00	87.870	85.060	11113.31	2539.48	404.98	2514.72	656117.35	492153.95	32°21'7.3208"N	103°49'40.0156"W	0.58	0.58	0.02	
13275.00	88.680	84.710	11116.02	2629.44	413.00	2604.32	656206.95	492161.97	32°21'7.3960"N	103°49'38.9707"W	0.98	0.90	-0.39	
13364.00	89.600	84.090	11117.36	2718.42	421.68	2692.88	656295.51	492170.65	32°21'7.4778"N	103°49'37.9379"W	1.25	1.03	-0.70	
13454.00	90.430	84.720	11117.33	2808.40	430.46	2782.45	656385.07	492179.43	32°21'7.5604"N	103°49'36.8933"W	1.16	0.92	0.70	
13543.00	90.990	83.820	11116.23	2897.38	439.34	2871.00	656473.61	492188.31	32°21'7.6442"N	103°49'35.8606"W	1.19	0.63	-1.01	
13633.00	89.820	83.940	11115.59	2987.35	448.94	2960.48	656563.09	492197.91	32°21'7.7350"N	103°49'34.8170"W	1.31	-1.30	0.13	
13722.00	88.980	84.750	11116.53	3076.33	457.71	3049.04	656651.64	492206.68	32°21'7.8176"N	103°49'33.7842"W	1.31	-0.94	0.91	
13812.00	90.740	84.670	11116.75	3166.32	466.00	3138.66	656741.25	492214.97	32°21'7.8955"N	103°49'32.7392"W	1.96	1.96	-0.09	
13901.00	90.890	84.510	11115.48	3255.31	474.39	3227.25	656829.84	492223.36	32°21'7.9744"N	103°49'31.7060"W	0.25	0.17	-0.18	
13991.00	88.180	85.760	11116.21	3345.29	482.02	3316.91	656919.50	492230.99	32°21'8.0457"N	103°49'30.6604"W	3.32	-3.01	1.39	
14080.00	86.700	86.530	11120.19	3434.19	488.00	3405.62	657008.20	492236.97	32°21'8.1006"N	103°49'29.6261"W	1.87	-1.66	0.87	
14170.00	88.090	85.930	11124.28	3524.08	493.91	3495.33	657097.90	492242.88	32°21'8.1549"N	103°49'28.5800"W	1.68	1.54	-0.67	
14259.00	89.080	84.720	11126.47	3613.05	501.17	3584.01	657186.57	492250.13	32°21'8.2225"N	103°49'27.5460"W	1.76	1.11	-1.36	
14349.00	87.040	84.640	11129.52	3702.99	509.51	3673.56	657276.12	492258.47	32°21'8.3008"N	103°49'26.5016"W	2.27	-2.27	-0.09	
14439.00	86.950	85.350	11134.24	3792.87	517.35	3763.09	657365.65	492266.31	32°21'8.3742"N	103°49'25.4575"W	0.79	-0.10	0.79	ST01 Tie On @ 14439'
14505.00	85.960	85.170	11138.32	3858.74	522.79	3828.74	657431.29	492271.75	32°21'8.4250"N	103°49'24.6920"W	1.52	-1.50	-0.27	
14595.00	86.020	83.010	11144.61	3948.50	532.03	3918.04	657520.58	492281.00	32°21'8.5122"N	103°49'23.6505"W	2.40	0.07	-2.40	
14640.00	86.980	83.170	11147.36	3993.38	537.44	3962.63	657565.17	492286.40	32°21'8.5636"N	103°49'23.1305"W	2.16	2.13	0.36	
14729.00	88.060	83.170	11151.21	4082.23	548.01	4050.91	657653.45	492296.98	32°21'8.6641"N	103°49'22.1008"W	1.21	1.21	0.00	
14819.00	88.400	82.960	11153.99	4172.12	558.87	4140.21	657742.74	492307.84	32°21'8.7673"N	103°49'21.0593"W	0.44	0.38	-0.23	



Actual Wellpath Report

JRU DI 8 Eagle #110H ST01 AWB 14439' - 19249' Proj: 19274'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H ST01
Slot	JRU DI 8 Eagle #110H	Sidetrack from	JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121' at 14439.00 MD

WELLPATH DATA (231 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
14908.00	88.860	83.580	11156.12	4261.04	569.30	4228.57	657831.09	492318.26	32°21'8.8663"N	103°49'20.0287"W	0.87	0.52	0.70	
14998.00	89.480	84.840	11157.42	4351.01	578.38	4318.10	657920.62	492327.34	32°21'8.9519"N	103°49'18.9846"W	1.56	0.69	1.40	
15087.00	89.850	85.570	11157.94	4440.01	585.82	4406.79	658009.30	492334.78	32°21'9.0213"N	103°49'17.9504"W	0.92	0.42	0.82	
15176.00	89.690	85.450	11158.30	4529.01	592.78	4495.51	658098.02	492341.75	32°21'9.0861"N	103°49'16.9157"W	0.22	-0.18	-0.13	
15266.00	89.510	85.730	11158.93	4619.00	599.70	4585.25	658187.74	492348.67	32°21'9.1503"N	103°49'15.8694"W	0.37	-0.20	0.31	
15355.00	89.080	85.430	11160.02	4708.00	606.56	4673.97	658276.47	492355.52	32°21'9.2140"N	103°49'14.8347"W	0.59	-0.48	-0.34	
15444.00	89.410	84.840	11161.20	4796.99	614.11	4762.64	658365.13	492363.07	32°21'9.2845"N	103°49'13.8007"W	0.76	0.37	-0.66	
15534.00	89.880	85.210	11161.75	4886.98	621.92	4852.30	658454.78	492370.87	32°21'9.3574"N	103°49'12.7551"W	0.66	0.52	0.41	
15623.00	89.940	86.260	11161.89	4975.98	628.53	4941.06	658543.53	492377.49	32°21'9.4187"N	103°49'11.7202"W	1.18	0.07	1.18	
15713.00	89.880	86.960	11162.04	5065.96	633.86	5030.90	658633.37	492382.81	32°21'9.4671"N	103°49'10.6726"W	0.78	-0.07	0.78	
15803.00	89.820	87.620	11162.27	5155.90	638.11	5120.80	658723.26	492387.07	32°21'9.5050"N	103°49'9.6245"W	0.74	-0.07	0.73	
15893.00	89.720	87.370	11162.63	5245.83	642.04	5210.71	658813.17	492391.00	32°21'9.5396"N	103°49'8.5762"W	0.30	-0.11	-0.28	
15982.00	89.820	87.360	11162.99	5334.77	646.14	5299.61	658902.07	492395.09	32°21'9.5759"N	103°49'7.5396"W	0.11	0.11	-0.01	
16072.00	89.410	86.360	11163.60	5424.74	651.07	5389.48	658991.92	492400.02	32°21'9.6204"N	103°49'6.4918"W	1.20	-0.46	-1.11	
16161.00	90.030	86.240	11164.03	5513.72	656.81	5478.29	659080.73	492405.77	32°21'9.6730"N	103°49'5.4562"W	0.71	0.70	-0.13	
16251.00	89.080	85.430	11164.73	5603.71	663.35	5568.05	659170.48	492412.30	32°21'9.7334"N	103°49'4.4096"W	1.39	-1.06	-0.90	
16341.00	89.200	85.100	11166.08	5693.70	670.77	5657.73	659260.16	492419.73	32°21'9.8026"N	103°49'3.3638"W	0.39	0.13	-0.37	
16430.00	89.230	84.870	11167.30	5782.69	678.55	5746.38	659348.80	492427.51	32°21'9.8754"N	103°49'2.3300"W	0.26	0.03	-0.26	
16520.00	89.200	84.630	11168.53	5872.68	686.79	5835.99	659438.41	492435.74	32°21'9.9526"N	103°49'1.2849"W	0.27	-0.03	-0.27	
16610.00	89.230	84.550	11169.77	5962.67	695.27	5925.58	659527.99	492444.23	32°21'10.0322"N	103°49'0.2401"W	0.09	0.03	-0.09	
16700.00	89.260	84.430	11170.95	6052.65	703.91	6015.16	659617.57	492452.87	32°21'10.1135"N	103°48'59.1954"W	0.14	0.03	-0.13	
16789.00	89.720	84.360	11171.74	6141.63	712.61	6103.73	659706.13	492461.56	32°21'10.1952"N	103°48'58.1625"W	0.52	0.52	-0.08	
16879.00	89.380	84.320	11172.45	6231.62	721.48	6193.29	659795.68	492470.43	32°21'10.2788"N	103°48'57.1180"W	0.38	-0.38	-0.04	
16969.00	89.720	84.700	11173.16	6321.61	730.09	6282.87	659885.26	492479.04	32°21'10.3597"N	103°48'56.0733"W	0.57	0.38	0.42	
17058.00	90.590	85.610	11172.92	6410.60	737.61	6371.55	659973.93	492486.56	32°21'10.4298"N	103°48'55.0391"W	1.41	0.98	1.02	
17148.00	90.650	85.810	11171.94	6500.60	744.34	6461.30	660063.67	492493.29	32°21'10.4922"N	103°48'53.9927"W	0.23	0.07	0.22	
17237.00	89.570	85.500	11171.77	6589.59	751.08	6550.04	660152.41	492500.03	32°21'10.5546"N	103°48'52.9578"W	1.26	-1.21	-0.35	
17327.00	89.660	85.500	11172.38	6679.59	758.14	6639.76	660242.12	492507.09	32°21'10.6202"N	103°48'51.9116"W	0.10	0.10	0.00	
17416.00	89.660	86.970	11172.90	6768.58	763.99	6728.56	660330.92	492512.94	32°21'10.6738"N	103°48'50.8761"W	1.65	0.00	1.65	
17506.00	88.640	87.580	11174.24	6858.51	768.27	6818.45	660420.80	492517.22	32°21'10.7118"N	103°48'49.8281"W	1.32	-1.13	0.68	



Actual Wellpath Report

JRU DI 8 Eagle #110H ST01 AWB 14439' - 19249' Proj: 19274'

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H ST01
Slot	JRU DI 8 Eagle #110H	Sidetrack from	JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121' at 14439.00 MD

WELLPATH DATA (231 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
17596.00	88.270	87.710	11176.67	6948.40	771.96	6908.34	660510.69	492520.91	32°21'10.7440"N	103°48'48.7800"W	0.44	-0.41	0.14	
17685.00	88.310	87.210	11179.32	7037.30	775.91	6997.21	660599.55	492524.85	32°21'10.7788"N	103°48'47.7438"W	0.56	0.04	-0.56	
17775.00	88.000	86.790	11182.22	7127.21	780.61	7087.04	660689.38	492529.56	32°21'10.8210"N	103°48'46.6964"W	0.58	-0.34	-0.47	
17865.00	88.150	86.350	11185.24	7217.14	785.99	7176.83	660779.16	492534.94	32°21'10.8700"N	103°48'45.6495"W	0.52	0.17	-0.49	
17954.00	87.870	86.710	11188.33	7306.06	791.38	7265.62	660867.94	492540.33	32°21'10.9190"N	103°48'44.6143"W	0.51	-0.31	0.40	
18044.00	88.740	86.930	11191.00	7395.99	796.37	7355.44	660957.75	492545.32	32°21'10.9640"N	103°48'43.5670"W	1.00	0.97	0.24	
18133.00	88.520	85.630	11193.12	7484.95	802.14	7444.22	661046.53	492551.09	32°21'11.0169"N	103°48'42.5317"W	1.48	-0.25	-1.46	
18223.00	88.240	85.030	11195.67	7574.91	809.47	7533.89	661136.19	492558.41	32°21'11.0850"N	103°48'41.4861"W	0.74	-0.31	-0.67	
18312.00	88.400	85.290	11198.28	7663.87	816.97	7622.53	661224.83	492565.92	32°21'11.1550"N	103°48'40.4524"W	0.34	0.18	0.29	
18402.00	88.950	84.770	11200.36	7753.85	824.77	7712.17	661314.46	492573.71	32°21'11.2278"N	103°48'39.4070"W	0.84	0.61	-0.58	
18492.00	88.430	83.670	11202.42	7843.81	833.83	7801.69	661403.97	492582.77	32°21'11.3132"N	103°48'38.3630"W	1.35	-0.58	-1.22	
18581.00	88.980	83.800	11204.43	7932.75	843.54	7890.13	661492.41	492592.48	32°21'11.4050"N	103°48'37.3315"W	0.63	0.62	0.15	
18671.00	88.580	83.980	11206.34	8022.70	853.11	7979.60	661581.87	492602.06	32°21'11.4954"N	103°48'36.2880"W	0.49	-0.44	0.20	
18761.00	88.740	84.200	11208.45	8112.66	862.38	8069.10	661671.36	492611.32	32°21'11.5828"N	103°48'35.2443"W	0.30	0.18	0.24	
18850.00	88.210	84.160	11210.82	8201.61	871.40	8157.61	661759.87	492620.34	32°21'11.6677"N	103°48'34.2120"W	0.60	-0.60	-0.04	
18939.00	88.830	84.160	11213.12	8290.56	880.45	8246.11	661848.37	492629.40	32°21'11.7530"N	103°48'33.1798"W	0.70	0.70	0.00	
19029.00	88.680	83.860	11215.07	8380.52	889.84	8335.60	661937.85	492638.78	32°21'11.8416"N	103°48'32.1361"W	0.37	-0.17	-0.33	
19119.00	88.610	84.620	11217.20	8470.48	898.87	8425.12	662027.37	492647.81	32°21'11.9266"N	103°48'31.0921"W	0.85	-0.08	0.84	
19208.00	88.800	85.140	11219.21	8559.45	906.81	8513.74	662115.98	492655.75	32°21'12.0009"N	103°48'30.0586"W	0.62	0.21	0.58	
19249.00	88.710	85.190	11220.10	8600.44	910.27	8554.59	662156.82	492659.21	32°21'12.0331"N	103°48'29.5823"W	0.25	-0.22	0.12	3/4" AutoTrak 14439' - 19249'
19274.00†	88.710	85.190	11220.66	8625.44	912.36	8579.49	662181.73	492661.30	32°21'12.0526"N	103°48'29.2918"W	0.00	0.00	0.00	Projection to TD @ 19274'



Actual Wellpath Report

JRU DI 8 Eagle #110H ST01 AWB 14439' - 19249' Proj: 19274'

Page 10 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	JRU DI 8 Eagle #110H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 8 Eagle Pad	Wellbore	JRU DI 8 Eagle #110H ST01
Slot	JRU DI 8 Eagle #110H	Sidetrack from	JRU DI 8 Eagle #110H AWB OH 159' - 14975' Proj: 15121' at 14439.00 MD

WELLPATH COMPOSITION - Ref Wellbore: JRU DI 8 Eagle #110H ST01 Ref Wellpath: JRU DI 8 Eagle #110H ST01 AWB 14439' - 19249' Proj: 19274'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.00	503.00	BH NaviTrak (2019) (Standard)	Surface Surveys 159' - 503'	JRU DI 8 Eagle #110H	27/Feb/2020
503.00	3657.00	BH NaviTrak (2019) (Standard)	17 1/2" Intermediate Section 503' -3657'	JRU DI 8 Eagle #110H	06/Mar/2020
3657.00	9900.00	BH NaviTrak (2019) (Standard)	12 1/4" Intermediate Section 3657' - 9900'	JRU DI 8 Eagle #110H	17/Mar/2020
9900.00	14439.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	8 1/2" Curve/Lateral Section 9900' - 14975'	JRU DI 8 Eagle #110H	22/Mar/2020
14439.00	19274.00	BH AutoTrak Curve/eXpress (2019) (Standard)	6 3/4" AutoTrak 14439' - 19249'	JRU DI 8 Eagle #110H ST01	31/Mar/2020

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 8 EAGLE										
								6. Well Number: 110H										
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;SOUTH												
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County								
Surface:	F	36	22S	30E		1734	North	2007	West	Eddy								
BH:	A	31	22S	31E		654	North	51	East	Eddy								
13. Date Spudded 03/01/2020	14. Date T.D. Reached 4/4/2020		15. Date Rig Released 4/9/2020		16. Date Completed (Ready to Produce) 5/20/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3317' GL										
18. Total Measured Depth of Well 19,274			19. Plug Back Measured Depth 19,264		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run CBL										
22. Producing Interval(s), of this completion - Top, Bottom, Name 11,687 - 19,098 LOS MEDANOS; WOLFCAMP;SOUTH																		
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"		87.50		542'		24"		855										
13 5/8"		68.0		3,720'		17 1/2"		2210										
8 5/8"		32.0		9,964'		9 5/8"		4595										
5 1/2"		23.0		19,274'		8 1/2"		3900										
24. LINER RECORD						25. TUBING RECORD												
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET										
						2 7/8"	10,650	10,636										
26. Perforation record (interval, size, and number) 11,687 - 19,098 4spf, 888 Total Shots 37 stages						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>DEPTH INTERVAL</td> <td>AMOUNT AND KIND MATERIAL USED</td> </tr> <tr> <td>11,687 - 19,098</td> <td>454,548 bbl fluid + 22,734,088 lbs proppant</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	11,687 - 19,098	454,548 bbl fluid + 22,734,088 lbs proppant				
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																	
11,687 - 19,098	454,548 bbl fluid + 22,734,088 lbs proppant																	
28. PRODUCTION																		
Date First Production 5/21/21		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing												
Date of Test 5/26/21	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 3314	Gas - MCF 5530	Water - Bbl. 4313	Gas - Oil Ratio 1669											
Flow Tubing Press. 915	Casing Pressure 1096	Calculated 24-Hour Rate	Oil - Bbl. 3314	Gas - MCF 5530	Water - Bbl. 4313	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 <i>JoAnne Baltier</i>			Printed Name JoAnne Baltier		Title Regulatory Analyst			Date 7/21/21										
E-mail Address joanne.baltier@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 438'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 3124'	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 3,342'	T. Morrison	
T. Drinkard	T. Bone Springs 7,019'	T. Todilto	
T. Abo	T. Rustler 239'	T. Entrada	
T. Wolfcamp 10,383'	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 40241

ACKNOWLEDGMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 40241
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 40241

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 40241
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	9/13/2021