

1625 N. French Dr., Hobbs, NM 88240

District II

811 S. First St., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104

Revised August 1, 2011

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address XTO Energy, Inc. 6401 HOLIDAY HILL ROAD BLDG 5 MIDLAND, TX 79707		² OGRID Number 373075
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-46283	⁵ Pool Name WILDCAT: BONE SPRING	⁶ Pool Code 97905
⁷ Property Code 326113	⁸ Property Name JAMES RANCH UNIT DI 11 WHITLASH	⁹ Well Number 515H

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
K	17	22S	30E		1990	South	1990	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

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

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	XTO Permian Midstream	O/G/W

IV. Well Completion Data

²¹ Spud Date 12/5/2019	²² Ready Date 11/10/2020	²³ TD 20534 MD 8284 TVD	²⁴ PBTB 20527 MD 8284 TVD	²⁵ Perforations 8600 - 20312	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
24	18.625	470	1210		
17.5	13.375	3271	4085		
12.25	9.625	7569	1275		
8.5	5.5/ 2.875	20529/ 7816	3720		

V. Well Test Data

³¹ Date New Oil 11/11/2020	³² Gas Delivery Date 11/11/2020	³³ Test Date 1/11/2021	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 196	³⁶ Csg. Pressure 1042
³⁷ Choke Size	³⁸ Oil 552	³⁹ Water 3248	⁴⁰ Gas 978		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: *Cassie Evans*Printed name: **Cassie Evans**Title: **Regulatory Analyst**E-mail Address: **cassie.evans@exxonmobil.com**Date: **02/05/2021**Phone: **432.218.3671**

OIL CONSERVATION DIVISION

Approved by: **KURT SIMMONS**Title: **NMOCD, SANTA FE**Approval Date: **07/06/2021**

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 30-015-46283	² Pool Code 97905	³ Pool Name Wildcat; Bone Spring
⁴ Property Code 326113	⁵ Property Name JAMES RANCH UNIT DI 11 WHITLASH	⁶ Well Number 515H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,101'

¹⁰ Surface Location

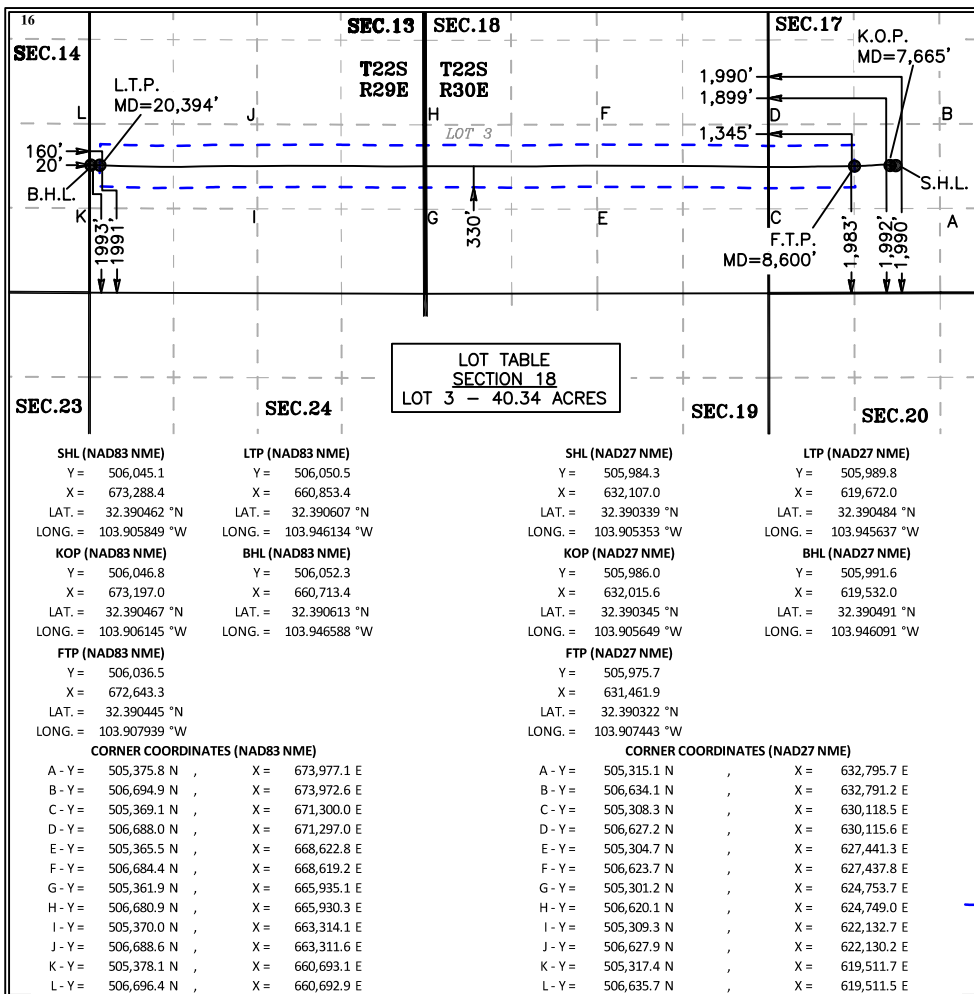
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	17	22S	30 E		1,990	SOUTH	1,990	WEST	EDDY

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
L	13	22 S	29 E		1,993	SOUTH	20	WEST	EDDY

¹² Dedicated Acres 360.34	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

01/25/2021

Signature

Date

Cassie Evans

Printed Name

cassie.evans@exxonmobile.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.

11-2-2020

Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP 23786

Certificate Number

JC

2019041013



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 + 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 Specialist, certify that I am employed by Baker Hughes; did conduct or supervise on the day(s) of 12/05/2019 through 01/04/2020 conduct or supervise the taking of a MWD survey from a depth of 140 feet to a depth of 20534 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 James Ranch Unit DI 11 Whitlash No. 515H Well, API No. 3001546283000 in Wildcat: Bone Spring 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 Specialist

SO#: 110009402



Actual Wellpath Report

JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

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	0.999929	Report Generated	05/Feb/2020 at 10:56
Convergence at slot	0.23° 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	-0.50	-49.80	632107.00	505984.30	32°23'25.2199"N	103°54'19.2713"W
Facility Reference Pt			632156.80	505984.80	32°23'25.2228"N	103°54'18.6905"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 (KB) to Facility Vertical Datum	3126.00ft
Horizontal Reference Pt	Slot	Precision 598 (KB) to Mean Sea Level	3126.00ft
Vertical Reference Pt	Precision 598 (KB)	Precision 598 (KB) to Ground Level at Slot (JRU DI 11 Whitlash 515H)	25.00ft
MD Reference Pt	Precision 598 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	270.03°



Actual Wellpath Report
JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'
Page 2 of 17



REFERENCE WELLPATH IDENTIFICATION													
Operator	XTO Energy Inc.							Well	JRU DI 11 Whitlash 515H				
Field	Wolfcamp (Eddy Co., NM)							API/Legal					
Facility	JRU DI 11 Whitlash A							Wellbore	JRU DI 11 Whitlash 515H AWB				
Slot	JRU DI 11 Whitlash 515H												

WELLPATH DATA (441 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	147.060	0.00	0.00	0.00	0.00	632107.00	505984.30	32°23'25.2199"N	103°54'19.2713"W	0.00	0.00	0.00	
25.00	0.000	147.060	25.00	0.00	0.00	0.00	632107.00	505984.30	32°23'25.2199"N	103°54'19.2713"W	0.00	0.00	0.00	
26.00†	0.012	147.060	26.00	0.00	0.00	0.00	632107.00	505984.30	32°23'25.2199"N	103°54'19.2713"W	1.21	1.21	0.00	
126.00†	1.221	147.060	125.99	-0.59	-0.90	0.59	632107.59	505983.40	32°23'25.2109"N	103°54'19.2645"W	1.21	1.21	0.00	
140.00	1.390	147.060	139.99	-0.76	-1.17	0.76	632107.76	505983.13	32°23'25.2082"N	103°54'19.2625"W	1.21	1.21	0.00	
226.00†	1.151	146.568	225.97	-1.80	-2.77	1.80	632108.80	505981.53	32°23'25.1924"N	103°54'19.2504"W	0.28	-0.28	-0.57	
230.00	1.140	146.540	229.97	-1.85	-2.83	1.85	632108.85	505981.47	32°23'25.1917"N	103°54'19.2499"W	0.28	-0.28	-0.70	
317.00	0.700	170.420	316.96	-2.41	-4.08	2.41	632109.41	505980.22	32°23'25.1794"N	103°54'19.2434"W	0.66	-0.51	27.45	
326.00†	0.658	170.424	325.95	-2.43	-4.18	2.43	632109.43	505980.12	32°23'25.1783"N	103°54'19.2432"W	0.46	-0.46	0.05	
395.00	0.340	170.490	394.95	-2.53	-4.78	2.53	632109.53	505979.52	32°23'25.1725"N	103°54'19.2420"W	0.46	-0.46	0.10	24" BH MWD NT 140' - 395'
426.00†	0.184	168.177	425.95	-2.56	-4.92	2.55	632109.55	505979.38	32°23'25.1711"N	103°54'19.2417"W	0.50	-0.50	-7.46	
506.00	0.220	357.440	505.95	-2.58	-4.89	2.57	632109.57	505979.41	32°23'25.1714"N	103°54'19.2415"W	0.50	0.04	-213.42	
526.00†	0.273	354.782	525.95	-2.57	-4.80	2.57	632109.57	505979.50	32°23'25.1722"N	103°54'19.2416"W	0.27	0.26	-13.29	
596.00	0.460	350.330	595.95	-2.51	-4.36	2.51	632109.51	505979.94	32°23'25.1766"N	103°54'19.2423"W	0.27	0.27	-6.36	
626.00†	0.519	351.525	625.95	-2.47	-4.11	2.47	632109.46	505980.19	32°23'25.1791"N	103°54'19.2427"W	0.20	0.20	3.98	
688.00	0.640	353.300	687.95	-2.39	-3.49	2.38	632109.38	505980.81	32°23'25.1853"N	103°54'19.2437"W	0.20	0.20	2.86	
726.00†	0.671	349.020	725.94	-2.32	-3.06	2.32	632109.32	505981.24	32°23'25.1895"N	103°54'19.2444"W	0.15	0.08	-11.26	
779.00	0.720	343.710	778.94	-2.16	-2.43	2.16	632109.16	505981.87	32°23'25.1957"N	103°54'19.2462"W	0.15	0.09	-10.02	
826.00†	0.647	346.180	825.94	-2.02	-1.89	2.02	632109.02	505982.41	32°23'25.2011"N	103°54'19.2478"W	0.17	-0.16	5.25	
870.00	0.580	349.050	869.93	-1.92	-1.43	1.92	632108.92	505982.87	32°23'25.2056"N	103°54'19.2490"W	0.17	-0.15	6.52	
926.00†	0.672	343.962	925.93	-1.77	-0.84	1.77	632108.77	505983.46	32°23'25.2115"N	103°54'19.2507"W	0.19	0.16	-9.09	
960.00	0.730	341.510	959.93	-1.65	-0.44	1.65	632108.65	505983.86	32°23'25.2154"N	103°54'19.2521"W	0.19	0.17	-7.21	
1026.00†	0.597	346.766	1025.92	-1.44	0.29	1.44	632108.44	505984.59	32°23'25.2227"N	103°54'19.2545"W	0.22	-0.20	7.96	
1050.00	0.550	349.300	1049.92	-1.39	0.53	1.39	632108.39	505984.83	32°23'25.2250"N	103°54'19.2551"W	0.22	-0.19	10.56	
1126.00†	0.668	337.939	1125.92	-1.15	1.30	1.15	632108.15	505985.60	32°23'25.2326"N	103°54'19.2578"W	0.22	0.15	-14.95	
1139.00	0.690	336.400	1138.92	-1.09	1.44	1.09	632108.09	505985.74	32°23'25.2340"N	103°54'19.2585"W	0.22	0.17	-11.84	
1226.00†	0.767	348.450	1225.91	-0.76	2.49	0.77	632107.77	505986.79	32°23'25.2444"N	103°54'19.2622"W	0.20	0.09	13.85	
1229.00	0.770	348.820	1228.91	-0.76	2.53	0.76	632107.76	505986.83	32°23'25.2448"N	103°54'19.2623"W	0.20	0.11	12.32	
1319.00	0.740	342.430	1318.90	-0.46	3.68	0.46	632107.46	505987.97	32°23'25.2562"N	103°54'19.2657"W	0.10	-0.03	-7.10	
1326.00†	0.742	342.546	1325.90	-0.44	3.76	0.44	632107.44	505988.06	32°23'25.2571"N	103°54'19.2660"W	0.04	0.03	1.65	



Actual Wellpath Report

JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

WELLPATH DATA (441 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
1408.00	0.770	343.850	1407.89	-0.12	4.80	0.12	632107.12	505989.10	32°23'25.2673"N	103°54'19.2696"W	0.04	0.03	1.59	
1426.00†	0.773	342.057	1425.89	-0.05	5.03	0.05	632107.05	505989.33	32°23'25.2696"N	103°54'19.2704"W	0.13	0.01	-9.96	
1498.00	0.790	335.050	1497.89	0.31	5.94	-0.31	632106.69	505990.24	32°23'25.2787"N	103°54'19.2746"W	0.13	0.02	-9.73	
1526.00†	0.824	334.639	1525.88	0.48	6.30	-0.47	632106.53	505990.60	32°23'25.2822"N	103°54'19.2765"W	0.12	0.12	-1.47	
1588.00	0.900	333.840	1587.88	0.88	7.14	-0.88	632106.12	505991.44	32°23'25.2905"N	103°54'19.2812"W	0.12	0.12	-1.29	
1626.00†	0.894	330.799	1625.87	1.16	7.66	-1.15	632105.85	505991.96	32°23'25.2957"N	103°54'19.2844"W	0.13	-0.02	-8.00	
1677.00	0.890	326.670	1676.87	1.57	8.34	-1.57	632105.43	505992.64	32°23'25.3025"N	103°54'19.2892"W	0.13	-0.01	-8.10	
1726.00†	0.909	321.571	1725.86	2.02	8.97	-2.02	632104.98	505993.26	32°23'25.3086"N	103°54'19.2944"W	0.17	0.04	-10.41	
1767.00	0.930	317.490	1766.85	2.45	9.47	-2.44	632104.56	505993.76	32°23'25.3136"N	103°54'19.2993"W	0.17	0.05	-9.95	
1826.00†	0.756	331.148	1825.85	2.96	10.16	-2.96	632104.04	505994.46	32°23'25.3205"N	103°54'19.3053"W	0.45	-0.29	23.15	
1856.00	0.690	340.460	1855.85	3.12	10.50	-3.11	632103.89	505994.80	32°23'25.3239"N	103°54'19.3071"W	0.45	-0.22	31.04	
1926.00†	0.542	338.760	1925.84	3.38	11.21	-3.37	632103.63	505995.51	32°23'25.3309"N	103°54'19.3101"W	0.21	-0.21	-2.43	
1946.00	0.500	338.090	1945.84	3.45	11.38	-3.44	632103.56	505995.68	32°23'25.3326"N	103°54'19.3109"W	0.21	-0.21	-3.35	
2026.00†	0.543	324.428	2025.84	3.80	12.01	-3.79	632103.21	505996.31	32°23'25.3388"N	103°54'19.3149"W	0.16	0.05	-17.08	
2036.00	0.550	322.890	2035.84	3.85	12.09	-3.85	632103.15	505996.39	32°23'25.3396"N	103°54'19.3156"W	0.16	0.07	-15.38	
2125.00	0.280	106.590	2124.84	3.90	12.36	-3.90	632103.10	505996.66	32°23'25.3424"N	103°54'19.3161"W	0.89	-0.30	161.46	
2126.00†	0.286	106.948	2125.84	3.90	12.36	-3.89	632103.11	505996.66	32°23'25.3423"N	103°54'19.3161"W	0.64	0.62	35.79	
2215.00	0.850	117.500	2214.83	3.10	11.99	-3.09	632103.91	505996.29	32°23'25.3387"N	103°54'19.3068"W	0.64	0.63	11.86	
2226.00†	0.826	116.079	2225.83	2.96	11.92	-2.95	632104.05	505996.22	32°23'25.3379"N	103°54'19.3051"W	0.29	-0.22	-12.92	
2305.00	0.670	103.020	2304.82	1.99	11.57	-1.99	632105.01	505995.87	32°23'25.3344"N	103°54'19.2939"W	0.29	-0.20	-16.53	
2326.00†	0.567	111.191	2325.82	1.78	11.50	-1.77	632105.23	505995.80	32°23'25.3337"N	103°54'19.2914"W	0.65	-0.49	38.91	
2394.00	0.400	161.620	2393.82	1.39	11.16	-1.38	632105.62	505995.45	32°23'25.3303"N	103°54'19.2869"W	0.65	-0.25	74.16	
2426.00†	0.425	167.706	2425.82	1.33	10.93	-1.32	632105.68	505995.23	32°23'25.3281"N	103°54'19.2862"W	0.16	0.08	19.02	
2484.00	0.480	176.920	2483.82	1.27	10.48	-1.26	632105.74	505994.78	32°23'25.3236"N	103°54'19.2855"W	0.16	0.10	15.89	
2526.00†	0.663	167.471	2525.81	1.21	10.07	-1.20	632105.80	505994.37	32°23'25.3195"N	103°54'19.2848"W	0.49	0.44	-22.50	
2573.00	0.880	161.720	2572.81	1.03	9.46	-1.03	632105.97	505993.76	32°23'25.3135"N	103°54'19.2828"W	0.49	0.46	-12.24	
2626.00†	0.879	158.174	2625.80	0.75	8.70	-0.75	632106.25	505992.99	32°23'25.3059"N	103°54'19.2796"W	0.10	0.00	-6.69	
2663.00	0.880	155.700	2662.80	0.53	8.17	-0.53	632106.47	505992.47	32°23'25.3008"N	103°54'19.2771"W	0.10	0.00	-6.69	
2726.00†	0.838	166.330	2725.79	0.22	7.28	-0.22	632106.78	505991.58	32°23'25.2919"N	103°54'19.2735"W	0.26	-0.07	16.87	
2752.00	0.830	170.960	2751.79	0.15	6.91	-0.15	632106.85	505991.21	32°23'25.2883"N	103°54'19.2727"W	0.26	-0.03	17.81	



Actual Wellpath Report

JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

WELLPATH DATA (441 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
2826.00†	0.532	244.181	2825.79	0.37	6.23	-0.37	632106.63	505990.53	32°23'25.2816"N	103°54'19.2753"W	1.14	-0.40	98.95	
2842.00	0.620	260.270	2841.78	0.53	6.19	-0.52	632106.48	505990.49	32°23'25.2811"N	103°54'19.2771"W	1.14	0.55	100.56	
2926.00†	0.589	280.501	2925.78	1.40	6.19	-1.40	632105.60	505990.49	32°23'25.2812"N	103°54'19.2873"W	0.26	-0.04	24.08	
2931.00	0.590	281.740	2930.78	1.45	6.20	-1.45	632105.55	505990.50	32°23'25.2813"N	103°54'19.2879"W	0.26	0.01	24.79	
3021.00	0.490	264.420	3020.78	2.29	6.26	-2.28	632104.72	505990.56	32°23'25.2819"N	103°54'19.2976"W	0.21	-0.11	-19.24	
3026.00†	0.483	262.977	3025.78	2.33	6.25	-2.33	632104.68	505990.55	32°23'25.2818"N	103°54'19.2981"W	0.28	-0.13	-28.86	
3111.00	0.430	233.780	3110.77	2.94	6.02	-2.94	632104.06	505990.32	32°23'25.2795"N	103°54'19.3053"W	0.28	-0.06	-34.35	
3126.00†	0.434	231.678	3125.77	3.03	5.95	-3.03	632103.97	505990.25	32°23'25.2789"N	103°54'19.3063"W	0.11	0.03	-14.01	
3196.00	0.460	222.470	3195.77	3.43	5.58	-3.43	632103.57	505989.88	32°23'25.2752"N	103°54'19.3110"W	0.11	0.04	-13.15	17 1/2" BH MWD 395' - 3196'
3226.00†	0.504	229.998	3225.77	3.61	5.41	-3.61	632103.39	505989.71	32°23'25.2735"N	103°54'19.3131"W	0.26	0.15	25.09	
3305.00	0.650	244.130	3304.77	4.28	4.99	-4.28	632102.72	505989.29	32°23'25.2694"N	103°54'19.3209"W	0.26	0.18	17.89	
3326.00†	0.809	246.315	3325.76	4.52	4.88	-4.52	632102.48	505989.17	32°23'25.2683"N	103°54'19.3238"W	0.77	0.76	10.41	
3380.00	1.220	249.310	3379.76	5.41	4.52	-5.41	632101.59	505988.82	32°23'25.2648"N	103°54'19.3341"W	0.77	0.76	5.55	
3426.00†	1.828	253.269	3425.74	6.57	4.13	-6.57	632100.43	505988.43	32°23'25.2610"N	103°54'19.3477"W	1.34	1.32	8.61	
3469.00	2.400	255.150	3468.71	8.10	3.71	-8.10	632098.91	505988.01	32°23'25.2569"N	103°54'19.3655"W	1.34	1.33	4.37	
3526.00†	2.716	254.082	3525.65	10.55	3.03	-10.55	632096.45	505987.33	32°23'25.2503"N	103°54'19.3941"W	0.56	0.56	-1.87	
3559.00	2.900	253.570	3558.61	12.10	2.58	-12.10	632094.90	505986.88	32°23'25.2459"N	103°54'19.4123"W	0.56	0.56	-1.55	
3626.00†	2.825	254.316	3625.53	15.32	1.65	-15.32	632091.69	505985.95	32°23'25.2368"N	103°54'19.4498"W	0.13	-0.11	1.11	
3648.00	2.800	254.570	3647.50	16.36	1.36	-16.36	632090.65	505985.66	32°23'25.2340"N	103°54'19.4620"W	0.13	-0.11	1.15	
3726.00†	2.904	255.938	3725.41	20.11	0.38	-20.11	632086.89	505984.68	32°23'25.2244"N	103°54'19.5058"W	0.16	0.13	1.75	
3738.00	2.920	256.140	3737.39	20.70	0.23	-20.70	632086.30	505984.53	32°23'25.2230"N	103°54'19.5127"W	0.16	0.13	1.68	
3826.00†	3.058	254.518	3825.27	25.14	-0.93	-25.14	632081.86	505983.37	32°23'25.2116"N	103°54'19.5645"W	0.18	0.16	-1.84	
3827.00	3.060	254.500	3826.27	25.19	-0.95	-25.19	632081.81	505983.35	32°23'25.2115"N	103°54'19.5651"W	0.18	0.16	-1.76	
3917.00	2.970	253.330	3916.15	29.74	-2.26	-29.74	632077.26	505982.04	32°23'25.1987"N	103°54'19.6182"W	0.12	-0.10	-1.30	
3926.00†	2.984	253.026	3925.13	30.18	-2.39	-30.19	632076.82	505981.91	32°23'25.1974"N	103°54'19.6234"W	0.23	0.15	-3.38	
4006.00	3.110	250.440	4005.02	34.22	-3.73	-34.22	632072.78	505980.57	32°23'25.1843"N	103°54'19.6705"W	0.23	0.16	-3.23	
4026.00†	3.125	251.001	4024.99	35.25	-4.09	-35.25	632071.75	505980.21	32°23'25.1808"N	103°54'19.6825"W	0.17	0.08	2.80	
4096.00	3.180	252.920	4094.88	38.91	-5.28	-38.91	632068.09	505979.02	32°23'25.1692"N	103°54'19.7253"W	0.17	0.08	2.74	
4126.00†	3.193	252.448	4124.84	40.50	-5.77	-40.50	632066.50	505978.53	32°23'25.1643"N	103°54'19.7439"W	0.10	0.04	-1.57	
4185.00	3.220	251.530	4183.75	43.64	-6.80	-43.64	632063.36	505977.51	32°23'25.1543"N	103°54'19.7805"W	0.10	0.05	-1.56	



Actual Wellpath Report

JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

WELLPATH DATA (441 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
4226.00†	3.243	251.089	4224.68	45.82	-7.54	-45.83	632061.17	505976.76	32°23'25.1471"N	103°54'19.8061"W	0.08	0.06	-1.08	
4275.00	3.270	250.570	4273.60	48.45	-8.45	-48.46	632058.55	505975.85	32°23'25.1382"N	103°54'19.8368"W	0.08	0.06	-1.06	
4326.00†	3.331	257.600	4324.52	51.27	-9.25	-51.28	632055.73	505975.05	32°23'25.1303"N	103°54'19.8697"W	0.80	0.12	13.78	
4365.00	3.410	262.750	4363.45	53.53	-9.64	-53.53	632053.47	505974.66	32°23'25.1266"N	103°54'19.8960"W	0.80	0.20	13.20	
4426.00†	3.511	265.848	4424.34	57.19	-10.01	-57.20	632049.81	505974.29	32°23'25.1231"N	103°54'19.9387"W	0.35	0.16	5.08	
4454.00	3.560	267.210	4452.29	58.91	-10.11	-58.92	632048.09	505974.19	32°23'25.1221"N	103°54'19.9588"W	0.35	0.18	4.86	
4526.00†	3.544	266.747	4524.15	63.37	-10.35	-63.37	632043.63	505973.96	32°23'25.1200"N	103°54'20.0108"W	0.05	-0.02	-0.64	
4544.00	3.540	266.630	4542.11	64.48	-10.41	-64.48	632042.52	505973.89	32°23'25.1194"N	103°54'20.0238"W	0.05	-0.02	-0.65	
4626.00†	3.348	270.073	4623.96	69.40	-10.56	-69.41	632037.60	505973.75	32°23'25.1182"N	103°54'20.0812"W	0.34	-0.23	4.20	
4634.00	3.330	270.430	4631.95	69.87	-10.55	-69.87	632037.13	505973.75	32°23'25.1182"N	103°54'20.0866"W	0.34	-0.23	4.46	
4723.00	3.060	272.570	4720.81	74.82	-10.43	-74.83	632032.18	505973.87	32°23'25.1196"N	103°54'20.1444"W	0.33	-0.30	2.40	
4726.00†	3.060	272.509	4723.81	74.98	-10.42	-74.99	632032.02	505973.88	32°23'25.1197"N	103°54'20.1463"W	0.11	-0.01	-2.03	
4813.00	3.050	270.740	4810.68	79.62	-10.29	-79.62	632027.38	505974.01	32°23'25.1212"N	103°54'20.2003"W	0.11	-0.01	-2.03	
4826.00†	3.057	270.622	4823.67	80.31	-10.28	-80.32	632026.69	505974.02	32°23'25.1213"N	103°54'20.2084"W	0.07	0.06	-0.91	
4902.00	3.100	269.940	4899.56	84.39	-10.26	-84.40	632022.61	505974.04	32°23'25.1217"N	103°54'20.2560"W	0.07	0.06	-0.90	
4926.00†	2.844	270.456	4923.52	85.64	-10.26	-85.64	632021.36	505974.04	32°23'25.1218"N	103°54'20.2705"W	1.07	-1.07	2.15	
4992.00	2.140	272.510	4989.46	88.50	-10.19	-88.51	632018.50	505974.11	32°23'25.1225"N	103°54'20.3039"W	1.07	-1.07	3.11	
5026.00†	1.618	276.052	5023.44	89.62	-10.11	-89.62	632017.39	505974.19	32°23'25.1234"N	103°54'20.3169"W	1.57	-1.53	10.42	
5081.00	0.810	291.360	5078.43	90.75	-9.89	-90.76	632016.25	505974.41	32°23'25.1256"N	103°54'20.3301"W	1.57	-1.47	27.83	
5126.00†	0.543	311.580	5123.43	91.21	-9.63	-91.21	632015.80	505974.67	32°23'25.1282"N	103°54'20.3354"W	0.79	-0.59	44.93	
5171.00	0.430	352.200	5168.43	91.39	-9.32	-91.39	632015.61	505974.98	32°23'25.1312"N	103°54'20.3375"W	0.79	-0.25	90.27	
5226.00†	0.458	15.764	5223.42	91.36	-8.91	-91.36	632015.64	505975.40	32°23'25.1354"N	103°54'20.3371"W	0.33	0.05	42.84	
5261.00	0.510	28.150	5258.42	91.25	-8.63	-91.25	632015.76	505975.67	32°23'25.1380"N	103°54'20.3358"W	0.33	0.15	35.39	
5326.00†	0.612	28.522	5323.42	90.94	-8.07	-90.95	632016.06	505976.23	32°23'25.1436"N	103°54'20.3323"W	0.16	0.16	0.57	
5350.00	0.650	28.630	5347.42	90.82	-7.84	-90.82	632016.18	505976.46	32°23'25.1459"N	103°54'20.3308"W	0.16	0.16	0.45	
5426.00†	0.532	27.488	5423.41	90.45	-7.15	-90.45	632016.55	505977.15	32°23'25.1527"N	103°54'20.3264"W	0.16	-0.16	-1.50	
5440.00	0.510	27.220	5437.41	90.39	-7.04	-90.39	632016.61	505977.26	32°23'25.1538"N	103°54'20.3258"W	0.16	-0.16	-1.91	
5526.00†	0.626	30.352	5523.41	89.98	-6.29	-89.98	632017.02	505978.01	32°23'25.1612"N	103°54'20.3209"W	0.14	0.13	3.64	
5529.00	0.630	30.440	5526.41	89.96	-6.26	-89.97	632017.04	505978.04	32°23'25.1614"N	103°54'20.3207"W	0.14	0.14	2.95	
5619.00	0.570	23.700	5616.40	89.53	-5.43	-89.53	632017.47	505978.87	32°23'25.1697"N	103°54'20.3157"W	0.10	-0.07	-7.49	



Actual Wellpath Report

JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

WELLPATH DATA (441 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
5626.00†	0.564	24.733	5623.40	89.50	-5.36	-89.51	632017.50	505978.94	32°23'25.1703"N	103°54'20.3153"W	0.17	-0.08	14.76	
5709.00	0.510	38.560	5706.40	89.10	-4.70	-89.10	632017.90	505979.60	32°23'25.1768"N	103°54'20.3106"W	0.17	-0.07	16.66	
5726.00†	0.490	36.988	5723.40	89.01	-4.59	-89.01	632017.99	505979.71	32°23'25.1780"N	103°54'20.3095"W	0.14	-0.12	-9.25	
5798.00	0.410	28.680	5795.40	88.70	-4.11	-88.71	632018.30	505980.19	32°23'25.1827"N	103°54'20.3059"W	0.14	-0.11	-11.54	
5826.00†	0.430	24.825	5823.40	88.61	-3.93	-88.61	632018.39	505980.37	32°23'25.1845"N	103°54'20.3048"W	0.12	0.07	-13.77	
5888.00	0.480	17.520	5885.39	88.44	-3.47	-88.44	632018.57	505980.83	32°23'25.1890"N	103°54'20.3028"W	0.12	0.08	-11.78	
5926.00†	0.446	23.738	5923.39	88.33	-3.18	-88.33	632018.68	505981.12	32°23'25.1918"N	103°54'20.3015"W	0.16	-0.09	16.36	
5978.00	0.410	33.730	5975.39	88.14	-2.84	-88.14	632018.86	505981.46	32°23'25.1952"N	103°54'20.2993"W	0.16	-0.07	19.22	
6026.00†	0.458	32.560	6023.39	87.94	-2.54	-87.95	632019.06	505981.76	32°23'25.1982"N	103°54'20.2970"W	0.10	0.10	-2.44	
6067.00	0.500	31.740	6064.39	87.76	-2.25	-87.76	632019.24	505982.05	32°23'25.2011"N	103°54'20.2949"W	0.10	0.10	-2.00	
6126.00†	0.458	46.740	6123.39	87.46	-1.87	-87.46	632019.55	505982.43	32°23'25.2048"N	103°54'20.2913"W	0.22	-0.07	25.42	
6157.00	0.450	55.430	6154.39	87.27	-1.72	-87.27	632019.74	505982.58	32°23'25.2063"N	103°54'20.2890"W	0.22	-0.03	28.03	
6226.00†	0.527	51.372	6223.38	86.79	-1.36	-86.79	632020.21	505982.94	32°23'25.2098"N	103°54'20.2835"W	0.12	0.11	-5.88	
6246.00	0.550	50.410	6243.38	86.65	-1.24	-86.65	632020.36	505983.06	32°23'25.2110"N	103°54'20.2818"W	0.12	0.11	-4.81	
6326.00†	0.549	57.594	6323.38	86.03	-0.79	-86.03	632020.98	505983.51	32°23'25.2154"N	103°54'20.2746"W	0.09	0.00	8.98	
6336.00	0.550	58.490	6333.38	85.95	-0.74	-85.95	632021.06	505983.56	32°23'25.2159"N	103°54'20.2736"W	0.09	0.01	8.96	
6425.00	0.480	53.450	6422.38	85.28	-0.30	-85.28	632021.72	505984.00	32°23'25.2203"N	103°54'20.2659"W	0.09	-0.08	-5.66	
6426.00†	0.481	53.271	6423.38	85.28	-0.29	-85.28	632021.73	505984.01	32°23'25.2203"N	103°54'20.2658"W	0.17	0.08	-17.87	
6515.00	0.570	39.750	6512.37	84.70	0.27	-84.70	632022.31	505984.57	32°23'25.2259"N	103°54'20.2590"W	0.17	0.10	-15.19	
6526.00†	0.565	40.697	6523.37	84.63	0.35	-84.62	632022.38	505984.65	32°23'25.2267"N	103°54'20.2581"W	0.10	-0.05	8.61	
6605.00	0.530	48.030	6602.37	84.10	0.89	-84.10	632022.91	505985.19	32°23'25.2320"N	103°54'20.2520"W	0.10	-0.04	9.28	
6626.00†	0.523	48.030	6623.37	83.96	1.02	-83.96	632023.05	505985.32	32°23'25.2333"N	103°54'20.2503"W	0.03	-0.03	0.00	
6694.00	0.500	48.030	6691.36	83.51	1.43	-83.50	632023.50	505985.73	32°23'25.2373"N	103°54'20.2450"W	0.03	-0.03	0.00	
6726.00†	0.344	54.380	6723.36	83.32	1.58	-83.32	632023.68	505985.88	32°23'25.2388"N	103°54'20.2429"W	0.51	-0.49	19.85	
6784.00	0.120	111.030	6781.36	83.13	1.66	-83.12	632023.88	505985.96	32°23'25.2395"N	103°54'20.2406"W	0.51	-0.39	97.67	
6826.00†	0.214	169.620	6823.36	83.07	1.56	-83.07	632023.94	505985.86	32°23'25.2386"N	103°54'20.2399"W	0.44	0.22	139.50	
6873.00	0.400	186.270	6870.36	83.07	1.31	-83.07	632023.93	505985.61	32°23'25.2361"N	103°54'20.2400"W	0.44	0.40	35.43	
6926.00†	0.376	185.476	6923.36	83.11	0.96	-83.11	632023.90	505985.26	32°23'25.2326"N	103°54'20.2404"W	0.05	-0.04	-1.50	
6963.00	0.360	184.860	6960.36	83.13	0.72	-83.13	632023.88	505985.02	32°23'25.2303"N	103°54'20.2407"W	0.05	-0.04	-1.66	
7026.00†	0.503	197.899	7023.36	83.23	0.26	-83.23	632023.77	505984.56	32°23'25.2257"N	103°54'20.2419"W	0.27	0.23	20.70	



Actual Wellpath Report

JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

WELLPATH DATA (441 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
7053.00	0.570	201.400	7050.36	83.32	0.02	-83.32	632023.69	505984.32	32°23'25.2234"N	103°54'20.2429"W	0.27	0.25	12.97	
7126.00†	0.618	207.686	7123.35	83.63	-0.67	-83.63	632023.37	505983.63	32°23'25.2166"N	103°54'20.2466"W	0.11	0.07	8.61	
7142.00	0.630	208.930	7139.35	83.72	-0.82	-83.72	632023.29	505983.48	32°23'25.2151"N	103°54'20.2476"W	0.11	0.07	7.78	
7226.00†	0.533	232.792	7223.35	84.25	-1.46	-84.25	632022.76	505982.84	32°23'25.2088"N	103°54'20.2538"W	0.31	-0.12	28.41	
7232.00	0.530	234.760	7229.35	84.29	-1.49	-84.29	632022.71	505982.81	32°23'25.2084"N	103°54'20.2544"W	0.31	-0.05	32.81	
7322.00	0.770	265.170	7319.34	85.24	-1.78	-85.24	632021.77	505982.52	32°23'25.2056"N	103°54'20.2654"W	0.46	0.27	33.79	
7326.00†	0.787	266.272	7323.34	85.29	-1.79	-85.29	632021.71	505982.51	32°23'25.2055"N	103°54'20.2660"W	0.56	0.42	27.56	
7411.00	1.190	281.610	7408.33	86.74	-1.65	-86.74	632020.27	505982.65	32°23'25.2070"N	103°54'20.2829"W	0.56	0.47	18.04	
7426.00†	1.252	282.391	7423.33	87.05	-1.58	-87.05	632019.96	505982.72	32°23'25.2077"N	103°54'20.2865"W	0.43	0.42	5.21	
7497.00	1.550	285.230	7494.30	88.73	-1.16	-88.74	632018.27	505983.14	32°23'25.2119"N	103°54'20.3061"W	0.43	0.42	4.00	12 1/4" BH MWD 3196' - 7497'
7526.00†	1.370	294.385	7523.29	89.43	-0.92	-89.43	632017.58	505983.38	32°23'25.2143"N	103°54'20.3142"W	1.01	-0.62	31.57	
7593.00	1.150	324.080	7590.28	90.55	-0.04	-90.55	632016.45	505984.26	32°23'25.2230"N	103°54'20.3273"W	1.01	-0.33	44.32	
7626.00†	1.366	342.198	7623.27	90.87	0.60	-90.87	632016.14	505984.90	32°23'25.2294"N	103°54'20.3309"W	1.36	0.65	54.90	
7639.00	1.480	347.660	7636.27	90.95	0.91	-90.95	632016.06	505985.21	32°23'25.2325"N	103°54'20.3319"W	1.36	0.88	42.02	
7683.00	2.960	320.910	7680.23	91.79	2.35	-91.79	632015.22	505986.65	32°23'25.2467"N	103°54'20.3416"W	4.02	3.36	-60.80	
7726.00†	4.273	303.747	7723.15	93.82	4.10	-93.82	632013.19	505988.40	32°23'25.2642"N	103°54'20.3652"W	3.92	3.05	-39.91	
7728.00	4.340	303.210	7725.14	93.95	4.18	-93.95	632013.06	505988.48	32°23'25.2650"N	103°54'20.3667"W	3.92	3.37	-26.84	
7773.00	5.160	288.890	7769.99	97.29	5.77	-97.29	632009.72	505990.07	32°23'25.2808"N	103°54'20.4055"W	3.19	1.82	-31.82	
7818.00	7.530	278.350	7814.71	102.12	6.86	-102.12	632004.89	505991.16	32°23'25.2917"N	103°54'20.4618"W	5.85	5.27	-23.42	
7826.00†	8.354	279.215	7822.64	103.21	7.03	-103.21	632003.80	505991.32	32°23'25.2935"N	103°54'20.4746"W	10.41	10.30	10.82	
7863.00	12.180	281.700	7859.04	109.69	8.25	-109.69	631997.32	505992.55	32°23'25.3058"N	103°54'20.5500"W	10.41	10.34	6.72	
7908.00	16.880	284.720	7902.59	120.67	10.87	-120.66	631986.35	505995.17	32°23'25.3322"N	103°54'20.6779"W	10.58	10.44	6.71	
7926.00†	19.120	282.888	7919.70	126.07	12.19	-126.06	631980.95	505996.49	32°23'25.3455"N	103°54'20.7408"W	12.83	12.44	-10.18	
7952.00	22.380	280.870	7944.01	135.09	14.08	-135.08	631971.93	505998.38	32°23'25.3645"N	103°54'20.8459"W	12.83	12.54	-7.76	
7997.00	27.410	272.870	7984.83	153.86	16.21	-153.85	631953.16	506000.51	32°23'25.3864"N	103°54'21.0647"W	13.43	11.18	-17.78	
8026.00†	30.674	268.475	8010.18	167.93	16.35	-167.92	631939.09	506000.65	32°23'25.3883"N	103°54'21.2287"W	13.44	11.26	-15.15	
8042.00	32.530	266.400	8023.81	176.30	15.97	-176.30	631930.72	506000.27	32°23'25.3849"N	103°54'21.3264"W	13.44	11.60	-12.97	
8087.00	36.700	266.190	8060.84	201.81	14.32	-201.80	631905.22	505998.62	32°23'25.3695"N	103°54'21.6239"W	9.27	9.27	-0.47	
8126.00†	41.092	267.903	8091.18	226.25	13.07	-226.25	631880.77	505997.37	32°23'25.3582"N	103°54'21.9091"W	11.59	11.26	4.39	
8132.00	41.770	268.140	8095.68	230.22	12.94	-230.22	631876.80	505997.24	32°23'25.3570"N	103°54'21.9554"W	11.59	11.30	3.94	



Actual Wellpath Report

JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

WELLPATH DATA (441 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
8176.00	46.970	266.950	8127.13	260.95	11.61	-260.94	631846.08	505995.90	32°23'25.3450"N	103°54'22.3138"W	11.97	11.82	-2.70	
8221.00	52.880	265.370	8156.08	295.29	9.28	-295.28	631811.74	505993.58	32°23'25.3234"N	103°54'22.7143"W	13.40	13.13	-3.51	
8226.00†	53.286	265.330	8159.09	299.27	8.96	-299.27	631807.76	505993.25	32°23'25.3203"N	103°54'22.7608"W	8.14	8.11	-0.81	
8266.00	56.530	265.020	8182.08	331.88	6.20	-331.87	631775.15	505990.50	32°23'25.2943"N	103°54'23.1412"W	8.14	8.11	-0.77	
8311.00	59.980	265.700	8205.75	370.01	3.11	-370.01	631737.02	505987.41	32°23'25.2653"N	103°54'23.5861"W	7.77	7.67	1.51	
8326.00†	61.768	266.196	8213.05	383.08	2.18	-383.08	631723.95	505986.48	32°23'25.2566"N	103°54'23.7385"W	12.27	11.92	3.31	
8356.00	65.350	267.140	8226.41	409.89	0.63	-409.89	631697.14	505984.93	32°23'25.2423"N	103°54'24.0513"W	12.27	11.94	3.15	
8401.00	69.090	267.410	8243.83	451.33	-1.34	-451.33	631655.70	505982.96	32°23'25.2244"N	103°54'24.5346"W	8.33	8.31	0.60	
8426.00†	71.073	267.582	8252.35	474.81	-2.37	-474.81	631632.23	505981.93	32°23'25.2152"N	103°54'24.8084"W	7.96	7.93	0.69	
8445.00	72.580	267.710	8258.27	492.84	-3.11	-492.85	631614.19	505981.19	32°23'25.2085"N	103°54'25.0188"W	7.96	7.93	0.67	
8490.00	77.680	267.960	8269.82	536.29	-4.75	-536.29	631570.75	505979.55	32°23'25.1940"N	103°54'25.5256"W	11.35	11.33	0.56	
8526.00†	81.112	268.120	8276.44	571.65	-5.96	-571.65	631535.39	505978.34	32°23'25.1834"N	103°54'25.9380"W	9.54	9.53	0.45	
8535.00	81.970	268.160	8277.77	580.55	-6.25	-580.55	631526.49	505978.05	32°23'25.1809"N	103°54'26.0417"W	9.54	9.53	0.44	
8580.00	85.380	267.690	8282.72	625.24	-7.87	-625.24	631481.81	505976.43	32°23'25.1667"N	103°54'26.5630"W	7.65	7.58	-1.04	
8624.00	90.250	268.400	8284.40	669.16	-9.37	-669.17	631437.88	505974.93	32°23'25.1536"N	103°54'27.0753"W	11.18	11.07	1.61	
8626.00†	90.253	268.426	8284.39	671.16	-9.43	-671.17	631435.88	505974.87	32°23'25.1531"N	103°54'27.0986"W	1.32	0.13	1.31	
8714.00	90.370	269.580	8283.91	759.15	-10.96	-759.15	631347.90	505973.34	32°23'25.1414"N	103°54'28.1247"W	1.32	0.13	1.31	
8726.00†	90.400	269.630	8283.83	771.15	-11.04	-771.15	631335.90	505973.26	32°23'25.1411"N	103°54'28.2647"W	0.48	0.25	0.42	
8803.00	90.590	269.950	8283.17	848.14	-11.32	-848.15	631258.91	505972.98	32°23'25.1413"N	103°54'29.1626"W	0.48	0.25	0.42	
8826.00†	90.738	269.651	8282.90	871.14	-11.40	-871.15	631235.92	505972.90	32°23'25.1414"N	103°54'29.4308"W	1.45	0.64	-1.30	
8893.00	91.170	268.780	8281.78	938.12	-12.32	-938.13	631168.94	505971.98	32°23'25.1350"N	103°54'30.2120"W	1.45	0.64	-1.30	
8926.00†	91.225	269.290	8281.09	971.11	-12.87	-971.12	631135.95	505971.43	32°23'25.1308"N	103°54'30.5967"W	1.55	0.17	1.54	
8983.00	91.320	270.170	8279.83	1028.10	-13.14	-1028.10	631078.97	505971.16	32°23'25.1303"N	103°54'31.2612"W	1.55	0.17	1.54	
9026.00†	91.320	269.967	8278.84	1071.08	-13.09	-1071.09	631035.99	505971.21	32°23'25.1325"N	103°54'31.7625"W	0.47	0.00	-0.47	
9072.00	91.320	269.750	8277.78	1117.07	-13.21	-1117.08	630990.00	505971.10	32°23'25.1332"N	103°54'32.2988"W	0.47	0.00	-0.47	
9126.00†	91.289	269.302	8276.55	1171.06	-13.65	-1171.06	630936.02	505970.65	32°23'25.1309"N	103°54'32.9284"W	0.83	-0.06	-0.83	
9178.00	91.260	268.870	8275.39	1223.04	-14.48	-1223.04	630884.05	505969.82	32°23'25.1248"N	103°54'33.5346"W	0.83	-0.06	-0.83	
9226.00†	91.345	268.817	8274.30	1271.01	-15.45	-1271.02	630836.07	505968.85	32°23'25.1171"N	103°54'34.0941"W	0.21	0.18	-0.11	
9268.00	91.420	268.770	8273.29	1312.99	-16.33	-1313.00	630794.10	505967.97	32°23'25.1100"N	103°54'34.5837"W	0.21	0.18	-0.11	
9326.00†	91.459	268.913	8271.83	1370.96	-17.51	-1370.97	630736.13	505966.79	32°23'25.1006"N	103°54'35.2598"W	0.26	0.07	0.25	



Actual Wellpath Report

JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

WELLPATH DATA (441 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
9357.00	91.480	268.990	8271.04	1401.94	-18.07	-1401.95	630705.15	505966.23	32°23'25.0962"N	103°54'35.6212"W	0.26	0.07	0.25	
9426.00†	91.357	269.143	8269.33	1470.91	-19.20	-1470.92	630636.18	505965.10	32°23'25.0878"N	103°54'36.4255"W	0.28	-0.18	0.22	
9447.00	91.320	269.190	8268.84	1491.91	-19.50	-1491.92	630615.19	505964.80	32°23'25.0856"N	103°54'36.6703"W	0.28	-0.18	0.22	
9526.00†	91.460	269.278	8266.92	1570.87	-20.56	-1570.89	630536.23	505963.74	32°23'25.0783"N	103°54'37.5913"W	0.21	0.18	0.11	
9537.00	91.480	269.290	8266.64	1581.87	-20.70	-1581.88	630525.23	505963.61	32°23'25.0773"N	103°54'37.7195"W	0.21	0.18	0.11	
9626.00†	91.510	269.369	8264.32	1670.83	-21.74	-1670.84	630436.28	505962.56	32°23'25.0705"N	103°54'38.7570"W	0.09	0.03	0.09	
9627.00	91.510	269.370	8264.29	1671.83	-21.75	-1671.84	630435.28	505962.55	32°23'25.0704"N	103°54'38.7687"W	0.09	0.03	0.09	
9716.00	91.570	269.470	8261.90	1760.80	-22.65	-1760.81	630346.32	505961.65	32°23'25.0650"N	103°54'39.8062"W	0.13	0.07	0.11	
9726.00†	91.547	269.498	8261.63	1770.79	-22.74	-1770.80	630336.33	505961.56	32°23'25.0645"N	103°54'39.9227"W	0.36	-0.23	0.28	
9806.00	91.360	269.720	8259.60	1850.76	-23.28	-1850.78	630256.36	505961.02	32°23'25.0622"N	103°54'40.8554"W	0.36	-0.23	0.28	
9826.00†	91.502	269.804	8259.10	1870.76	-23.37	-1870.77	630236.37	505960.93	32°23'25.0622"N	103°54'41.0885"W	0.83	0.71	0.42	
9896.00	92.000	270.100	8256.96	1940.72	-23.43	-1940.74	630166.41	505960.88	32°23'25.0643"N	103°54'41.9045"W	0.83	0.71	0.42	
9926.00†	91.784	270.323	8255.97	1970.71	-23.32	-1970.72	630136.42	505960.99	32°23'25.0666"N	103°54'42.2541"W	1.03	-0.72	0.74	
9985.00	91.360	270.760	8254.35	2029.68	-22.76	-2029.69	630077.45	505961.54	32°23'25.0744"N	103°54'42.9418"W	1.03	-0.72	0.74	
10026.00†	91.428	270.696	8253.35	2070.67	-22.24	-2070.68	630036.47	505962.06	32°23'25.0812"N	103°54'43.4198"W	0.23	0.17	-0.16	
10075.00	91.510	270.620	8252.10	2119.65	-21.67	-2119.66	629987.49	505962.63	32°23'25.0886"N	103°54'43.9909"W	0.23	0.17	-0.16	
10126.00†	91.246	270.505	8250.87	2170.63	-21.17	-2170.64	629936.52	505963.13	32°23'25.0956"N	103°54'44.5854"W	0.56	-0.52	-0.22	
10164.00	91.050	270.420	8250.11	2208.62	-20.87	-2208.63	629898.53	505963.43	32°23'25.1001"N	103°54'45.0285"W	0.56	-0.52	-0.22	
10226.00†	91.112	270.723	8248.94	2270.61	-20.25	-2270.62	629836.55	505964.05	32°23'25.1086"N	103°54'45.7513"W	0.50	0.10	0.49	
10254.00	91.140	270.860	8248.39	2298.60	-19.86	-2298.61	629808.56	505964.44	32°23'25.1135"N	103°54'46.0777"W	0.50	0.10	0.49	
10326.00†	91.140	271.143	8246.95	2370.58	-18.60	-2370.59	629736.59	505965.70	32°23'25.1288"N	103°54'46.9170"W	0.39	0.00	0.39	
10343.00	91.140	271.210	8246.62	2387.57	-18.25	-2387.58	629719.60	505966.05	32°23'25.1329"N	103°54'47.1151"W	0.39	0.00	0.39	
10426.00†	90.799	271.109	8245.21	2470.54	-16.58	-2470.55	629636.63	505967.73	32°23'25.1527"N	103°54'48.0826"W	0.43	-0.41	-0.12	
10433.00	90.770	271.100	8245.12	2477.54	-16.44	-2477.55	629629.63	505967.86	32°23'25.1543"N	103°54'48.1642"W	0.43	-0.41	-0.12	
10523.00	91.260	270.940	8243.52	2567.51	-14.84	-2567.52	629539.67	505969.46	32°23'25.1737"N	103°54'49.2134"W	0.57	0.54	-0.18	
10526.00†	91.253	270.943	8243.46	2570.51	-14.79	-2570.52	629536.67	505969.51	32°23'25.1743"N	103°54'49.2483"W	0.26	-0.24	0.11	
10612.00	91.050	271.040	8241.73	2656.48	-13.30	-2656.49	629450.71	505971.00	32°23'25.1924"N	103°54'50.2508"W	0.26	-0.24	0.11	
10626.00†	91.030	271.007	8241.47	2670.48	-13.05	-2670.48	629436.71	505971.25	32°23'25.1954"N	103°54'50.4140"W	0.27	-0.14	-0.23	
10702.00	90.920	270.830	8240.18	2746.46	-11.83	-2746.46	629360.74	505972.47	32°23'25.2104"N	103°54'51.3000"W	0.27	-0.14	-0.23	
10726.00†	90.979	270.835	8239.78	2770.45	-11.48	-2770.46	629336.75	505972.82	32°23'25.2148"N	103°54'51.5798"W	0.25	0.25	0.02	



Actual Wellpath Report

JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

WELLPATH DATA (441 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
10791.00	91.140	270.850	8238.58	2835.43	-10.53	-2835.44	629271.77	505973.77	32°23'25.2267"N	103°54'52.3376"W	0.25	0.25	0.02	
10826.00†	91.093	270.819	8237.90	2870.42	-10.02	-2870.43	629236.78	505974.28	32°23'25.2331"N	103°54'52.7456"W	0.16	-0.13	-0.09	
10881.00	91.020	270.770	8236.88	2925.41	-9.26	-2925.41	629181.80	505975.04	32°23'25.2428"N	103°54'53.3867"W	0.16	-0.13	-0.09	
10926.00†	90.954	270.735	8236.11	2970.40	-8.67	-2970.40	629136.81	505975.63	32°23'25.2504"N	103°54'53.9114"W	0.17	-0.15	-0.08	
10970.00	90.890	270.700	8235.40	3014.39	-8.12	-3014.39	629092.83	505976.19	32°23'25.2575"N	103°54'54.4243"W	0.17	-0.15	-0.08	
11026.00†	91.083	270.488	8234.44	3070.38	-7.53	-3070.38	629036.84	505976.77	32°23'25.2655"N	103°54'55.0772"W	0.51	0.34	-0.38	
11060.00	91.200	270.360	8233.76	3104.37	-7.28	-3104.37	629002.85	505977.02	32°23'25.2693"N	103°54'55.4736"W	0.51	0.34	-0.38	
11126.00†	91.200	270.199	8232.38	3170.36	-6.96	-3170.36	628936.87	505977.34	32°23'25.2750"N	103°54'56.2431"W	0.24	0.00	-0.24	
11150.00	91.200	270.140	8231.88	3194.35	-6.89	-3194.35	628912.88	505977.41	32°23'25.2766"N	103°54'56.5229"W	0.24	0.00	-0.24	
11226.00†	91.302	269.858	8230.22	3270.33	-6.89	-3270.34	628836.90	505977.41	32°23'25.2795"N	103°54'57.4090"W	0.39	0.13	-0.37	
11239.00	91.320	269.810	8229.92	3283.33	-6.93	-3283.33	628823.91	505977.37	32°23'25.2797"N	103°54'57.5606"W	0.39	0.13	-0.37	
11326.00†	91.030	269.955	8228.13	3370.31	-7.11	-3370.31	628736.93	505977.19	32°23'25.2813"N	103°54'58.5749"W	0.37	-0.33	0.17	
11329.00	91.020	269.960	8228.08	3373.31	-7.11	-3373.31	628733.93	505977.19	32°23'25.2814"N	103°54'58.6099"W	0.37	-0.33	0.17	
11418.00	91.110	269.920	8226.43	3462.29	-7.20	-3462.30	628644.95	505977.10	32°23'25.2839"N	103°54'59.6476"W	0.11	0.10	-0.04	
11426.00†	91.105	269.953	8226.27	3470.29	-7.21	-3470.30	628636.96	505977.09	32°23'25.2841"N	103°54'59.7409"W	0.42	-0.07	0.41	
11508.00	91.050	270.290	8224.73	3552.28	-7.04	-3552.28	628554.98	505977.26	32°23'25.2890"N	103°55'0.6969"W	0.42	-0.07	0.41	
11526.00†	91.062	270.268	8224.40	3570.27	-6.95	-3570.28	628536.98	505977.35	32°23'25.2905"N	103°55'0.9068"W	0.14	0.07	-0.12	
11597.00	91.110	270.180	8223.05	3641.26	-6.67	-3641.27	628466.00	505977.63	32°23'25.2960"N	103°55'1.7346"W	0.14	0.07	-0.12	
11626.00†	91.029	270.554	8222.51	3670.26	-6.49	-3670.26	628437.01	505977.81	32°23'25.2990"N	103°55'2.0727"W	1.32	-0.28	1.29	
11687.00	90.860	271.340	8221.51	3731.24	-5.48	-3731.24	628376.03	505978.82	32°23'25.3113"N	103°55'2.7838"W	1.32	-0.28	1.29	
11726.00†	90.903	270.781	8220.90	3770.23	-4.76	-3770.23	628337.04	505979.54	32°23'25.3199"N	103°55'3.2385"W	1.44	0.11	-1.43	
11777.00	90.960	270.050	8220.08	3821.22	-4.39	-3821.22	628286.06	505979.91	32°23'25.3255"N	103°55'3.8331"W	1.44	0.11	-1.43	
11826.00†	91.243	270.099	8219.13	3870.21	-4.32	-3870.21	628237.07	505979.98	32°23'25.3281"N	103°55'4.4044"W	0.59	0.58	0.10	
11867.00	91.480	270.140	8218.16	3911.20	-4.24	-3911.20	628196.08	505980.06	32°23'25.3305"N	103°55'4.8824"W	0.59	0.58	0.10	
11926.00†	91.215	269.968	8216.77	3970.18	-4.18	-3970.19	628137.10	505980.12	32°23'25.3333"N	103°55'5.5702"W	0.54	-0.45	-0.29	
11956.00	91.080	269.880	8216.17	4000.18	-4.22	-4000.18	628107.11	505980.08	32°23'25.3341"N	103°55'5.9200"W	0.54	-0.45	-0.29	
12026.00†	91.127	269.942	8214.82	4070.16	-4.33	-4070.17	628037.13	505979.97	32°23'25.3357"N	103°55'6.7362"W	0.11	0.07	0.09	
12046.00	91.140	269.960	8214.43	4090.16	-4.35	-4090.16	628017.14	505979.95	32°23'25.3363"N	103°55'6.9694"W	0.11	0.07	0.09	
12126.00†	91.248	269.915	8212.76	4170.14	-4.44	-4170.14	627937.16	505979.86	32°23'25.3385"N	103°55'7.9021"W	0.15	0.13	-0.06	
12135.00	91.260	269.910	8212.56	4179.14	-4.45	-4179.14	627928.16	505979.85	32°23'25.3387"N	103°55'8.0070"W	0.15	0.13	-0.06	



Actual Wellpath Report

JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

WELLPATH DATA (441 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
12224.00	91.290	270.110	8210.58	4268.12	-4.43	-4268.12	627839.19	505979.87	32°23'25.3422"N	103°55'9.0447"W	0.23	0.03	0.22	
12226.00†	91.277	270.110	8210.54	4270.12	-4.43	-4270.12	627837.19	505979.87	32°23'25.3424"N	103°55'9.0680"W	0.64	-0.64	0.00	
12314.00	90.710	270.120	8209.01	4358.10	-4.25	-4358.11	627749.21	505980.05	32°23'25.3475"N	103°55'10.0940"W	0.64	-0.64	0.01	
12326.00†	90.722	270.177	8208.86	4370.10	-4.22	-4370.11	627737.21	505980.08	32°23'25.3482"N	103°55'10.2340"W	0.48	0.10	0.47	
12403.00	90.800	270.540	8207.84	4447.09	-3.74	-4447.10	627660.23	505980.56	32°23'25.3560"N	103°55'11.1318"W	0.48	0.10	0.47	
12426.00†	90.841	270.573	8207.51	4470.09	-3.52	-4470.09	627637.23	505980.78	32°23'25.3590"N	103°55'11.4000"W	0.23	0.18	0.14	
12493.00	90.960	270.670	8206.46	4537.08	-2.79	-4537.08	627570.25	505981.51	32°23'25.3688"N	103°55'12.1811"W	0.23	0.18	0.14	
12526.00†	90.960	270.644	8205.90	4570.07	-2.41	-4570.07	627537.26	505981.89	32°23'25.3738"N	103°55'12.5659"W	0.08	0.00	-0.08	
12583.00	90.960	270.600	8204.95	4627.06	-1.79	-4627.06	627480.27	505982.51	32°23'25.3821"N	103°55'13.2304"W	0.08	0.00	-0.08	
12626.00†	91.003	270.441	8204.21	4670.05	-1.40	-4670.05	627437.29	505982.90	32°23'25.3876"N	103°55'13.7317"W	0.38	0.10	-0.37	
12672.00	91.050	270.270	8203.39	4716.05	-1.12	-4716.05	627391.30	505983.18	32°23'25.3922"N	103°55'14.2681"W	0.38	0.10	-0.37	
12726.00†	91.050	270.270	8202.40	4770.04	-0.86	-4770.04	627337.31	505983.44	32°23'25.3968"N	103°55'14.8977"W	0.00	0.00	0.00	
12762.00	91.050	270.270	8201.74	4806.03	-0.69	-4806.03	627301.32	505983.61	32°23'25.3998"N	103°55'15.3174"W	0.00	0.00	0.00	
12826.00†	91.007	269.896	8200.59	4870.02	-0.60	-4870.02	627237.34	505983.70	32°23'25.4032"N	103°55'16.0636"W	0.59	-0.07	-0.58	
12851.00	90.990	269.750	8200.16	4895.01	-0.68	-4895.02	627212.34	505983.62	32°23'25.4034"N	103°55'16.3551"W	0.59	-0.07	-0.58	
12926.00†	90.907	269.475	8198.91	4970.00	-1.19	-4970.00	627137.36	505983.11	32°23'25.4012"N	103°55'17.2296"W	0.38	-0.11	-0.37	
12941.00	90.890	269.420	8198.68	4985.00	-1.33	-4985.00	627122.36	505982.97	32°23'25.4004"N	103°55'17.4045"W	0.38	-0.11	-0.37	
13026.00†	90.918	269.137	8197.34	5069.98	-2.40	-5069.98	627037.39	505981.90	32°23'25.3930"N	103°55'18.3956"W	0.33	0.03	-0.33	
13031.00	90.920	269.120	8197.26	5074.98	-2.48	-5074.98	627032.39	505981.82	32°23'25.3924"N	103°55'18.4539"W	0.33	0.03	-0.33	
13121.00	90.990	268.930	8195.76	5164.95	-4.01	-5164.96	626942.42	505980.29	32°23'25.3807"N	103°55'19.5032"W	0.22	0.08	-0.21	
13126.00†	90.993	268.897	8195.67	5169.95	-4.10	-5169.96	626937.42	505980.20	32°23'25.3800"N	103°55'19.5615"W	0.67	0.07	-0.66	
13210.00	91.050	268.340	8194.17	5253.91	-6.13	-5253.92	626853.47	505978.17	32°23'25.3631"N	103°55'20.5407"W	0.67	0.07	-0.66	
13226.00†	91.022	268.356	8193.88	5269.90	-6.59	-5269.91	626837.48	505977.71	32°23'25.3592"N	103°55'20.7272"W	0.20	-0.18	0.10	
13300.00	90.890	268.430	8192.65	5343.86	-8.66	-5343.87	626763.52	505975.64	32°23'25.3414"N	103°55'21.5898"W	0.20	-0.18	0.10	
13326.00†	90.899	268.563	8192.24	5369.85	-9.35	-5369.86	626737.53	505974.95	32°23'25.3357"N	103°55'21.8929"W	0.51	0.03	0.51	
13390.00	90.920	268.890	8191.23	5433.83	-10.77	-5433.83	626673.56	505973.53	32°23'25.3240"N	103°55'22.6391"W	0.51	0.03	0.51	
13426.00†	90.920	269.112	8190.65	5469.82	-11.40	-5469.82	626637.58	505972.91	32°23'25.3192"N	103°55'23.0588"W	0.62	0.00	0.62	
13479.00	90.920	269.440	8189.80	5522.80	-12.07	-5522.81	626584.59	505972.24	32°23'25.3146"N	103°55'23.6768"W	0.62	0.00	0.62	
13526.00†	90.920	269.514	8189.04	5569.80	-12.49	-5569.80	626537.60	505971.81	32°23'25.3121"N	103°55'24.2248"W	0.16	0.00	0.16	
13568.00	90.920	269.580	8188.37	5611.79	-12.83	-5611.80	626495.61	505971.47	32°23'25.3104"N	103°55'24.7145"W	0.16	0.00	0.16	



Actual Wellpath Report

JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

WELLPATH DATA (441 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
13626.00†	91.004	269.458	8187.40	5669.78	-13.31	-5669.79	626437.63	505970.99	32°23'25.3078"N	103°55'25.3908"W	0.26	0.14	-0.21	
13658.00	91.050	269.390	8186.82	5701.77	-13.63	-5701.78	626405.64	505970.67	32°23'25.3058"N	103°55'25.7639"W	0.26	0.14	-0.21	
13726.00†	90.884	269.322	8185.68	5769.76	-14.40	-5769.77	626337.66	505969.90	32°23'25.3008"N	103°55'26.5567"W	0.26	-0.24	-0.10	
13748.00	90.830	269.300	8185.35	5791.75	-14.66	-5791.76	626315.66	505969.64	32°23'25.2991"N	103°55'26.8133"W	0.26	-0.24	-0.10	
13826.00†	90.944	269.782	8184.14	5869.74	-15.29	-5869.75	626237.68	505969.01	32°23'25.2958"N	103°55'27.7228"W	0.63	0.15	0.62	
13837.00	90.960	269.850	8183.96	5880.74	-15.32	-5880.75	626226.68	505968.98	32°23'25.2959"N	103°55'27.8510"W	0.63	0.15	0.62	
13926.00†	90.891	269.998	8182.52	5969.73	-15.44	-5969.74	626137.70	505968.86	32°23'25.2981"N	103°55'28.8888"W	0.18	-0.08	0.17	
13927.00	90.890	270.000	8182.50	5970.73	-15.44	-5970.74	626136.70	505968.86	32°23'25.2981"N	103°55'28.9004"W	0.18	-0.08	0.17	
14017.00	90.890	270.370	8181.11	6060.72	-15.15	-6060.72	626046.72	505969.15	32°23'25.3044"N	103°55'29.9498"W	0.41	0.00	0.41	
14026.00†	90.909	270.380	8180.96	6069.71	-15.09	-6069.72	626037.72	505969.21	32°23'25.3053"N	103°55'30.0548"W	0.24	0.21	0.11	
14106.00	91.080	270.470	8179.58	6149.70	-14.50	-6149.71	625957.74	505969.80	32°23'25.3142"N	103°55'30.9875"W	0.24	0.21	0.11	
14126.00†	91.038	270.554	8179.21	6169.70	-14.32	-6169.70	625937.75	505969.98	32°23'25.3167"N	103°55'31.2207"W	0.47	-0.21	0.42	
14196.00	90.890	270.850	8178.03	6239.68	-13.46	-6239.69	625867.77	505970.84	32°23'25.3279"N	103°55'32.0368"W	0.47	-0.21	0.42	
14226.00†	90.890	270.823	8177.56	6269.68	-13.02	-6269.68	625837.77	505971.28	32°23'25.3333"N	103°55'32.3865"W	0.09	0.00	-0.09	
14285.00	90.890	270.770	8176.65	6328.66	-12.20	-6328.67	625778.79	505972.10	32°23'25.3437"N	103°55'33.0744"W	0.09	0.00	-0.09	
14326.00†	90.936	270.688	8175.99	6369.65	-11.68	-6369.66	625737.80	505972.62	32°23'25.3504"N	103°55'33.5524"W	0.23	0.11	-0.20	
14375.00	90.990	270.590	8175.17	6418.64	-11.14	-6418.65	625688.82	505973.16	32°23'25.3576"N	103°55'34.1237"W	0.23	0.11	-0.20	
14426.00†	90.950	270.686	8174.31	6469.63	-10.57	-6469.64	625637.83	505973.73	32°23'25.3652"N	103°55'34.7183"W	0.20	-0.08	0.19	
14465.00	90.920	270.760	8173.67	6508.63	-10.08	-6508.63	625598.84	505974.22	32°23'25.3715"N	103°55'35.1730"W	0.20	-0.08	0.19	
14526.00†	91.050	270.561	8172.62	6569.61	-9.37	-6569.62	625537.86	505974.93	32°23'25.3808"N	103°55'35.8841"W	0.39	0.21	-0.33	
14554.00	91.110	270.470	8172.09	6597.61	-9.12	-6597.61	625509.87	505975.18	32°23'25.3843"N	103°55'36.2106"W	0.39	0.21	-0.33	
14626.00†	90.910	270.454	8170.82	6669.59	-8.54	-6669.60	625437.89	505975.76	32°23'25.3928"N	103°55'37.0500"W	0.28	-0.28	-0.02	
14644.00	90.860	270.450	8170.55	6687.59	-8.40	-6687.60	625419.89	505975.90	32°23'25.3948"N	103°55'37.2599"W	0.28	-0.28	-0.02	
14726.00†	90.915	270.174	8169.28	6769.58	-7.95	-6769.59	625337.91	505976.35	32°23'25.4023"N	103°55'38.2160"W	0.34	0.07	-0.34	
14733.00	90.920	270.150	8169.16	6776.58	-7.93	-6776.59	625330.91	505976.37	32°23'25.4028"N	103°55'38.2976"W	0.34	0.07	-0.34	
14823.00	90.990	269.830	8167.66	6866.57	-7.95	-6866.57	625240.93	505976.35	32°23'25.4060"N	103°55'39.3470"W	0.36	0.08	-0.36	
14826.00†	90.986	269.824	8167.61	6869.57	-7.96	-6869.57	625237.93	505976.34	32°23'25.4060"N	103°55'39.3820"W	0.25	-0.15	-0.20	
14912.00	90.860	269.650	8166.23	6955.55	-8.35	-6955.56	625151.95	505975.95	32°23'25.4054"N	103°55'40.3848"W	0.25	-0.15	-0.20	
14926.00†	90.880	269.603	8166.01	6969.55	-8.44	-6969.56	625137.95	505975.86	32°23'25.4050"N	103°55'40.5480"W	0.36	0.14	-0.33	
15002.00	90.990	269.350	8164.77	7045.54	-9.14	-7045.54	625061.97	505975.16	32°23'25.4010"N	103°55'41.4342"W	0.36	0.14	-0.33	



Actual Wellpath Report

JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

WELLPATH DATA (441 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
15026.00†	91.090	269.266	8164.34	7069.53	-9.43	-7069.54	625037.98	505974.87	32°23'25.3990"N	103°55'41.7140"W	0.54	0.42	-0.35	
15091.00	91.360	269.040	8162.95	7134.51	-10.39	-7134.52	624973.00	505973.91	32°23'25.3919"N	103°55'42.4718"W	0.54	0.42	-0.35	
15126.00†	91.274	269.075	8162.14	7169.50	-10.96	-7169.50	624938.02	505973.34	32°23'25.3875"N	103°55'42.8798"W	0.26	-0.24	0.10	
15181.00	91.140	269.130	8160.98	7224.48	-11.82	-7224.48	624883.04	505972.48	32°23'25.3811"N	103°55'43.5210"W	0.26	-0.24	0.10	
15226.00†	91.140	269.206	8160.09	7269.46	-12.48	-7269.47	624838.06	505971.82	32°23'25.3763"N	103°55'44.0457"W	0.17	0.00	0.17	
15270.00	91.140	269.280	8159.21	7313.45	-13.06	-7313.46	624794.08	505971.24	32°23'25.3722"N	103°55'44.5587"W	0.17	0.00	0.17	
15326.00†	91.103	269.473	8158.12	7369.44	-13.67	-7369.44	624738.09	505970.63	32°23'25.3683"N	103°55'45.2116"W	0.35	-0.07	0.34	
15360.00	91.080	269.590	8157.47	7403.43	-13.95	-7403.44	624704.10	505970.35	32°23'25.3668"N	103°55'45.6080"W	0.35	-0.07	0.34	
15426.00†	91.258	269.657	8156.12	7469.41	-14.38	-7469.42	624638.12	505969.92	32°23'25.3650"N	103°55'46.3775"W	0.29	0.27	0.10	
15449.00	91.320	269.680	8155.61	7492.41	-14.51	-7492.41	624615.13	505969.79	32°23'25.3645"N	103°55'46.6457"W	0.29	0.27	0.10	
15526.00†	91.115	269.962	8153.97	7569.39	-14.75	-7569.40	624538.15	505969.55	32°23'25.3650"N	103°55'47.5434"W	0.45	-0.27	0.37	
15539.00	91.080	270.010	8153.72	7582.39	-14.76	-7582.39	624525.16	505969.54	32°23'25.3654"N	103°55'47.6950"W	0.45	-0.27	0.37	
15626.00†	91.109	270.225	8152.06	7669.37	-14.58	-7669.38	624438.18	505969.72	32°23'25.3705"N	103°55'48.7094"W	0.25	0.03	0.25	
15628.00	91.110	270.230	8152.02	7671.37	-14.57	-7671.38	624436.18	505969.73	32°23'25.3706"N	103°55'48.7327"W	0.25	0.03	0.25	
15718.00	91.260	270.250	8150.16	7761.35	-14.19	-7761.36	624346.21	505970.11	32°23'25.3777"N	103°55'49.7820"W	0.17	0.17	0.02	
15726.00†	91.233	270.246	8149.99	7769.35	-14.16	-7769.36	624338.21	505970.14	32°23'25.3783"N	103°55'49.8752"W	0.34	-0.34	-0.06	
15807.00	90.960	270.200	8148.44	7850.33	-13.84	-7850.34	624257.23	505970.46	32°23'25.3845"N	103°55'50.8196"W	0.34	-0.34	-0.06	
15826.00†	90.960	270.223	8148.12	7869.33	-13.77	-7869.34	624238.24	505970.53	32°23'25.3859"N	103°55'51.0412"W	0.12	0.00	0.12	
15897.00	90.960	270.310	8146.93	7940.32	-13.44	-7940.33	624167.25	505970.86	32°23'25.3918"N	103°55'51.8690"W	0.12	0.00	0.12	
15926.00†	90.908	270.275	8146.45	7969.31	-13.30	-7969.32	624138.26	505971.01	32°23'25.3943"N	103°55'52.2071"W	0.22	-0.18	-0.12	
15987.00	90.800	270.200	8145.55	8030.31	-13.04	-8030.32	624077.27	505971.26	32°23'25.3991"N	103°55'52.9184"W	0.22	-0.18	-0.12	
16026.00†	90.870	270.239	8144.98	8069.30	-12.89	-8069.31	624038.28	505971.41	32°23'25.4020"N	103°55'53.3732"W	0.21	0.18	0.10	
16076.00	90.960	270.290	8144.18	8119.30	-12.66	-8119.30	623988.29	505971.64	32°23'25.4062"N	103°55'53.9561"W	0.21	0.18	0.10	
16126.00†	91.316	270.912	8143.19	8169.28	-12.14	-8169.29	623938.30	505972.16	32°23'25.4132"N	103°55'54.5391"W	1.43	0.71	1.24	
16166.00	91.600	271.410	8142.17	8209.26	-11.33	-8209.27	623898.33	505972.97	32°23'25.4227"N	103°55'55.0052"W	1.43	0.71	1.24	
16226.00†	91.209	271.134	8140.70	8269.23	-10.00	-8269.24	623838.37	505974.30	32°23'25.4381"N	103°55'55.7045"W	0.80	-0.65	-0.46	
16255.00	91.020	271.000	8140.13	8298.22	-9.46	-8298.23	623809.38	505974.84	32°23'25.4445"N	103°55'56.0425"W	0.80	-0.65	-0.46	
16326.00†	90.941	270.755	8138.92	8369.20	-8.37	-8369.21	623738.40	505975.93	32°23'25.4579"N	103°55'56.8702"W	0.36	-0.11	-0.34	
16345.00	90.920	270.690	8138.61	8388.20	-8.13	-8388.20	623719.41	505976.17	32°23'25.4610"N	103°55'57.0918"W	0.36	-0.11	-0.34	
16426.00†	90.785	270.582	8137.40	8469.18	-7.23	-8469.19	623638.43	505977.07	32°23'25.4729"N	103°55'58.0362"W	0.21	-0.17	-0.13	



Actual Wellpath Report

JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

WELLPATH DATA (441 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
16435.00	90.770	270.570	8137.28	8478.18	-7.14	-8478.19	623629.43	505977.16	32°23'25.4741"N	103°55'58.1411"W	0.21	-0.17	-0.13	
16525.00	90.890	270.780	8135.98	8568.17	-6.08	-8568.17	623539.45	505978.22	32°23'25.4880"N	103°55'59.1904"W	0.27	0.13	0.23	
16526.00†	90.888	270.780	8135.96	8569.17	-6.07	-8569.17	623538.45	505978.23	32°23'25.4881"N	103°55'59.2021"W	0.24	-0.24	0.00	
16614.00	90.680	270.740	8134.76	8657.15	-4.90	-8657.16	623450.47	505979.40	32°23'25.5029"N	103°56'0.2281"W	0.24	-0.24	-0.04	
16626.00†	90.741	270.695	8134.61	8669.15	-4.75	-8669.15	623438.48	505979.55	32°23'25.5049"N	103°56'0.3680"W	0.64	0.51	-0.38	
16704.00	91.140	270.400	8133.33	8747.14	-4.00	-8747.14	623360.50	505980.30	32°23'25.5151"N	103°56'1.2774"W	0.64	0.51	-0.38	
16726.00†	91.064	270.366	8132.91	8769.13	-3.86	-8769.14	623338.50	505980.44	32°23'25.5174"N	103°56'1.5339"W	0.38	-0.34	-0.16	
16794.00	90.830	270.260	8131.78	8837.12	-3.49	-8837.13	623270.52	505980.81	32°23'25.5236"N	103°56'2.3267"W	0.38	-0.34	-0.16	
16826.00†	90.819	270.141	8131.32	8869.12	-3.37	-8869.12	623238.53	505980.93	32°23'25.5259"N	103°56'2.6999"W	0.37	-0.03	-0.37	
16883.00	90.800	269.930	8130.52	8926.11	-3.34	-8926.12	623181.53	505980.96	32°23'25.5283"N	103°56'3.3645"W	0.37	-0.03	-0.37	
16926.00†	90.934	269.892	8129.87	8969.11	-3.41	-8969.11	623138.54	505980.90	32°23'25.5292"N	103°56'3.8659"W	0.32	0.31	-0.09	
16973.00	91.080	269.850	8129.04	9016.10	-3.51	-9016.10	623091.55	505980.79	32°23'25.5299"N	103°56'4.4139"W	0.32	0.31	-0.09	
17026.00†	90.878	269.826	8128.14	9069.09	-3.66	-9069.10	623038.57	505980.64	32°23'25.5304"N	103°56'5.0319"W	0.38	-0.38	-0.04	
17062.00	90.740	269.810	8127.63	9105.09	-3.78	-9105.09	623002.57	505980.53	32°23'25.5306"N	103°56'5.4517"W	0.38	-0.38	-0.04	
17126.00†	90.868	269.824	8126.73	9169.08	-3.98	-9169.09	622938.58	505980.32	32°23'25.5309"N	103°56'6.1980"W	0.20	0.20	0.02	
17152.00	90.920	269.830	8126.32	9195.08	-4.06	-9195.08	622912.59	505980.24	32°23'25.5311"N	103°56'6.5011"W	0.20	0.20	0.02	
17226.00†	90.871	269.830	8125.17	9269.07	-4.28	-9269.07	622838.60	505980.02	32°23'25.5317"N	103°56'7.3640"W	0.07	-0.07	0.00	
17242.00	90.860	269.830	8124.93	9285.07	-4.32	-9285.07	622822.61	505979.98	32°23'25.5318"N	103°56'7.5505"W	0.07	-0.07	0.00	
17326.00†	90.860	269.547	8123.66	9369.06	-4.78	-9369.06	622738.62	505979.52	32°23'25.5304"N	103°56'8.5300"W	0.34	0.00	-0.34	
17331.00	90.860	269.530	8123.59	9374.06	-4.82	-9374.06	622733.62	505979.48	32°23'25.5301"N	103°56'8.5883"W	0.34	0.00	-0.34	
17421.00	90.860	269.680	8122.24	9464.04	-5.44	-9464.05	622643.64	505978.86	32°23'25.5273"N	103°56'9.6378"W	0.17	0.00	0.17	
17426.00†	90.858	269.685	8122.16	9469.04	-5.47	-9469.05	622638.64	505978.83	32°23'25.5272"N	103°56'9.6961"W	0.11	-0.03	0.10	
17511.00	90.830	269.770	8120.91	9554.03	-5.87	-9554.04	622553.66	505978.43	32°23'25.5263"N	103°56'10.6872"W	0.11	-0.03	0.10	
17526.00†	90.835	269.768	8120.69	9569.03	-5.93	-9569.03	622538.66	505978.37	32°23'25.5263"N	103°56'10.8621"W	0.04	0.03	-0.01	
17600.00	90.860	269.760	8119.60	9643.02	-6.24	-9643.03	622464.68	505978.06	32°23'25.5260"N	103°56'11.7250"W	0.04	0.03	-0.01	
17626.00†	90.834	269.774	8119.21	9669.02	-6.34	-9669.02	622438.68	505977.96	32°23'25.5259"N	103°56'12.0282"W	0.11	-0.10	0.06	
17690.00	90.770	269.810	8118.32	9733.01	-6.58	-9733.02	622374.69	505977.72	32°23'25.5260"N	103°56'12.7744"W	0.11	-0.10	0.06	
17726.00†	90.806	269.798	8117.82	9769.01	-6.70	-9769.01	622338.70	505977.60	32°23'25.5261"N	103°56'13.1942"W	0.11	0.10	-0.03	
17779.00	90.860	269.780	8117.05	9822.00	-6.90	-9822.01	622285.71	505977.41	32°23'25.5261"N	103°56'13.8122"W	0.11	0.10	-0.03	
17826.00†	91.006	269.775	8116.29	9868.99	-7.08	-9869.00	622238.72	505977.22	32°23'25.5260"N	103°56'14.3602"W	0.31	0.31	-0.01	



Actual Wellpath Report

JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

WELLPATH DATA (441 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
17869.00	91.140	269.770	8115.48	9911.99	-7.25	-9911.99	622195.73	505977.05	32°23'25.5259"N	103°56'14.8616"W	0.31	0.31	-0.01	
17926.00†	91.121	269.688	8114.36	9968.97	-7.52	-9968.98	622138.75	505976.78	32°23'25.5253"N	103°56'15.5262"W	0.15	-0.03	-0.14	
17959.00	91.110	269.640	8113.72	10001.97	-7.71	-10001.97	622105.76	505976.59	32°23'25.5246"N	103°56'15.9110"W	0.15	-0.03	-0.14	
18026.00†	91.042	269.512	8112.46	10068.95	-8.21	-10068.96	622038.77	505976.09	32°23'25.5221"N	103°56'16.6922"W	0.22	-0.10	-0.19	
18048.00	91.020	269.470	8112.06	10090.95	-8.40	-10090.96	622016.78	505975.90	32°23'25.5210"N	103°56'16.9487"W	0.22	-0.10	-0.19	
18126.00†	91.178	269.452	8110.57	10168.93	-9.14	-10168.94	621938.80	505975.16	32°23'25.5166"N	103°56'17.8581"W	0.20	0.20	-0.02	
18137.00	91.200	269.450	8110.34	10179.93	-9.24	-10179.93	621927.81	505975.06	32°23'25.5160"N	103°56'17.9864"W	0.20	0.20	-0.02	
18226.00†	91.200	269.855	8108.47	10268.91	-9.78	-10268.91	621838.84	505974.52	32°23'25.5139"N	103°56'19.0240"W	0.46	0.00	0.46	
18227.00	91.200	269.860	8108.45	10269.91	-9.78	-10269.91	621837.84	505974.52	32°23'25.5139"N	103°56'19.0357"W	0.46	0.00	0.46	
18316.00	91.880	270.840	8106.06	10358.87	-9.24	-10358.88	621748.88	505975.06	32°23'25.5225"N	103°56'20.0731"W	1.34	0.76	1.10	
18326.00†	91.784	270.832	8105.74	10368.87	-9.09	-10368.87	621738.88	505975.21	32°23'25.5243"N	103°56'20.1897"W	0.96	-0.96	-0.08	
18406.00	91.020	270.770	8103.78	10448.83	-7.98	-10448.84	621658.92	505976.32	32°23'25.5383"N	103°56'21.1222"W	0.96	-0.96	-0.08	
18426.00†	90.991	270.741	8103.43	10468.83	-7.71	-10468.83	621638.93	505976.59	32°23'25.5416"N	103°56'21.3553"W	0.20	-0.14	-0.14	
18496.00	90.890	270.640	8102.28	10538.81	-6.87	-10538.82	621568.95	505977.43	32°23'25.5525"N	103°56'22.1715"W	0.20	-0.14	-0.14	
18526.00†	90.964	270.232	8101.80	10568.81	-6.64	-10568.81	621538.96	505977.66	32°23'25.5559"N	103°56'22.5212"W	1.38	0.25	-1.36	
18585.00	91.110	269.430	8100.73	10627.80	-6.81	-10627.80	621479.97	505977.49	32°23'25.5563"N	103°56'23.2092"W	1.38	0.25	-1.36	
18626.00†	91.083	269.025	8099.94	10668.79	-7.37	-10668.79	621438.98	505976.93	32°23'25.5523"N	103°56'23.6872"W	0.99	-0.07	-0.99	
18675.00	91.050	268.540	8099.03	10717.77	-8.41	-10717.77	621390.01	505975.89	32°23'25.5438"N	103°56'24.2584"W	0.99	-0.07	-0.99	
18726.00†	91.084	267.786	8098.08	10768.73	-10.04	-10768.74	621339.05	505974.26	32°23'25.5295"N	103°56'24.8528"W	1.48	0.07	-1.48	
18765.00	91.110	267.210	8097.34	10807.69	-11.74	-10807.69	621300.09	505972.56	32°23'25.5141"N	103°56'25.3072"W	1.48	0.07	-1.48	
18826.00†	91.131	267.381	8096.14	10868.60	-14.62	-10868.61	621239.18	505969.68	32°23'25.4878"N	103°56'26.0177"W	0.28	0.03	0.28	
18854.00	91.140	267.460	8095.59	10896.57	-15.88	-10896.58	621211.21	505968.42	32°23'25.4764"N	103°56'26.3439"W	0.28	0.03	0.28	
18926.00†	91.188	269.172	8094.13	10968.52	-18.00	-10968.53	621139.27	505966.30	32°23'25.4580"N	103°56'27.1831"W	2.38	0.07	2.38	
18944.00	91.200	269.600	8093.75	10986.52	-18.19	-10986.53	621121.27	505966.11	32°23'25.4568"N	103°56'27.3929"W	2.38	0.07	2.38	
19026.00†	90.435	269.139	8092.58	11068.50	-19.09	-11068.51	621039.29	505965.21	32°23'25.4508"N	103°56'28.3491"W	1.09	-0.93	-0.56	
19033.00	90.370	269.100	8092.53	11075.50	-19.20	-11075.51	621032.30	505965.10	32°23'25.4500"N	103°56'28.4307"W	1.09	-0.93	-0.56	
19123.00	90.860	269.630	8091.57	11165.49	-20.20	-11165.50	620942.31	505964.10	32°23'25.4434"N	103°56'29.4802"W	0.80	0.54	0.59	
19126.00†	90.861	269.677	8091.52	11168.49	-20.22	-11168.50	620939.31	505964.09	32°23'25.4433"N	103°56'29.5151"W	1.56	0.03	1.56	
19212.00	90.890	271.020	8090.21	11254.47	-19.69	-11254.49	620853.33	505964.61	32°23'25.4516"N	103°56'30.5179"W	1.56	0.03	1.56	
19226.00†	90.890	270.997	8089.99	11268.47	-19.45	-11268.48	620839.34	505964.86	32°23'25.4546"N	103°56'30.6811"W	0.17	0.00	-0.17	



Actual Wellpath Report

JRU DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

WELLPATH DATA (441 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
19302.00	90.890	270.870	8088.81	11344.45	-18.21	-11344.46	620763.36	505966.09	32°23'25.4696"N	103°56'31.5671"W	0.17	0.00	-0.17	
19326.00†	90.719	270.273	8088.47	11368.45	-17.97	-11368.46	620739.37	505966.33	32°23'25.4728"N	103°56'31.8469"W	2.59	-0.71	-2.49	
19392.00	90.250	268.630	8087.91	11434.44	-18.60	-11434.45	620673.38	505965.70	32°23'25.4689"N	103°56'32.6165"W	2.59	-0.71	-2.49	
19426.00†	90.472	268.936	8087.70	11468.43	-19.32	-11468.44	620639.39	505964.98	32°23'25.4630"N	103°56'33.0129"W	1.11	0.65	0.90	
19481.00	90.830	269.430	8087.07	11523.42	-20.11	-11523.43	620584.41	505964.19	32°23'25.4573"N	103°56'33.6543"W	1.11	0.65	0.90	
19526.00†	90.815	270.335	8086.43	11568.42	-20.20	-11568.43	620539.42	505964.10	32°23'25.4580"N	103°56'34.1790"W	2.01	-0.03	2.01	
19571.00	90.800	271.240	8085.79	11613.41	-19.58	-11613.42	620494.43	505964.72	32°23'25.4657"N	103°56'34.7036"W	2.01	-0.03	2.01	
19626.00†	90.934	271.649	8084.96	11668.38	-18.20	-11668.40	620439.46	505966.11	32°23'25.4814"N	103°56'35.3447"W	0.78	0.24	0.74	
19651.29†	90.996	271.838	8084.54	11693.65	-17.43	-11693.67	620414.19	505966.88	32°23'25.4899"N	103°56'35.6393"W	0.78	0.24	0.74	
19661.00	91.020	271.910	8084.36	11703.36	-17.11	-11703.37	620404.48	505967.19	32°23'25.4934"N	103°56'35.7525"W	0.78	0.24	0.74	
19750.00	90.990	271.740	8082.80	11792.31	-14.27	-11792.31	620315.55	505970.03	32°23'25.5247"N	103°56'36.7896"W	0.19	-0.03	-0.19	
19840.00	90.920	271.440	8081.30	11882.26	-11.78	-11882.27	620225.60	505972.52	32°23'25.5526"N	103°56'37.8385"W	0.34	-0.08	-0.33	
19929.00	90.920	270.920	8079.87	11971.23	-9.94	-11971.24	620136.64	505974.36	32°23'25.5740"N	103°56'38.8760"W	0.58	0.00	-0.58	
20019.00	91.110	271.390	8078.28	12061.20	-8.13	-12061.20	620046.68	505976.17	32°23'25.5952"N	103°56'39.9250"W	0.56	0.21	0.52	
20108.00	90.860	272.100	8076.75	12150.14	-5.42	-12150.15	619957.74	505978.88	32°23'25.6252"N	103°56'40.9622"W	0.85	-0.28	0.80	
20198.00	90.890	272.640	8075.38	12240.06	-1.70	-12240.06	619867.83	505982.60	32°23'25.6652"N	103°56'42.0105"W	0.60	0.03	0.60	
20288.00	90.920	272.340	8073.95	12329.96	2.21	-12329.96	619777.93	505986.51	32°23'25.7071"N	103°56'43.0588"W	0.33	0.03	-0.33	
20377.00	90.710	271.490	8072.69	12418.91	5.18	-12418.90	619689.00	505989.48	32°23'25.7398"N	103°56'44.0959"W	0.98	-0.24	-0.96	
20467.00	90.920	270.680	8071.41	12508.88	6.89	-12508.88	619599.03	505991.19	32°23'25.7598"N	103°56'45.1451"W	0.93	0.23	-0.90	
20509.00	90.960	270.190	8070.72	12550.87	7.21	-12550.87	619557.04	505991.51	32°23'25.7645"N	103°56'45.6348"W	1.17	0.10	-1.17	8 1/2" BH MWD 7497' - 20509'
20534.00‡	90.960	270.190	8070.30	12575.87	7.29	-12575.87	619532.05	505991.59	32°23'25.7662"N	103°56'45.9262"W	0.00	0.00	0.00	Projection to Bit @ 20534'



Actual Wellpath Report
JRUI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	JRU DI 11 Whitlash 515H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	JRU DI 11 Whitlash A	Wellbore	JRU DI 11 Whitlash 515H AWB
Slot	JRU DI 11 Whitlash 515H		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
JRUI DI 11 Whitlash 515H LTP	8081.00	-5.50	-12496.31	619611.60	505978.80	32°23'25.6368"N	103°56'44.9990"W	point
JRUI DI 11 Whitlash 515H PBHL	8081.00	-5.40	-12546.31	619561.60	505978.90	32°23'25.6396"N	103°56'45.5821"W	rectangle
	2D Rectangle 11876.3 x 100.							
JRUI DI 11 Whitlash 515H FTP	8286.00	-11.70	-670.05	631437.00	505972.60	32°23'25.1305"N	103°54'27.0857"W	point

WELLPATH COMPOSITION - Ref Wellbore: JRUI DI 11 Whitlash 515H AWB Ref Wellpath: JRUI DI 11 Whitlash 515H AWB 140' - 20509' Proj: 20534'						
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date	
25.00	395.00	ISCWSA MWD, Rev. 4 (Standard)	24" BH MWD NT 140' - 395'	JRU DI 11 Whitlash 515H AWB		
395.00	3196.00	BH NaviTrak (2019) (Axial)	17 1/2 BH MWD 395' - 3196'	JRU DI 11 Whitlash 515H AWB	18/Dec/2019	
3196.00	7497.00	BH NaviTrak (2019) (Axial)	12 1/4" BH MWD 3196' - 7497'	JRU DI 11 Whitlash 515H AWB	18/Dec/2019	
7497.00	20534.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	8 1/2 BH MWD 7497' - 20509'	JRU DI 11 Whitlash 515H AWB	24/Dec/2019	

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 11 WHITLASH				
						6. Well Number: 515H				
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator XTO ENERGY INC						9. OGRID 373075				
10. Address of Operator 6401 HOLIDAY HILL ROAD BLDG 5 MIDLAND, TX 79707						11. Pool name or Wildcat WILDCAT;BONESPRING				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	K	17	22S	30E		1990	South	1990	West	Eddy
BH:	L	13	22S	29E		1998	South	20	West	Eddy
13. Date Spudded 12/5/2019	14. Date T.D. Reached 1/3/2020		15. Date Rig Released 1/8/2020		16. Date Completed (Ready to Produce) 11/10/2020			17. Elevations (DF and RKB, RT, GR, etc.) 3101 GL		
18. Total Measured Depth of Well 20534			19. Plug Back Measured Depth 20527		20. Was Directional Survey Made? yes			21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 8600' - 20312' WILDCAT;BONESPRING										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
18 5/8"		87.5		470		24"		1210		
13 3/8"		68		3271		17 1/2"		4085		
9 5/8"		40		7569		12 1/4"		1275		
5 1/2"		23		20529		8 1/2"		3720		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
						2 7/8	7816	7800		
26. Perforation record (interval, size, and number) 8600' - 20312' , 4spf, 1412 Total shots 59 stages						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						8600' - 20312'		564,476 bbl fluid + 28,678,722 lbs proppant		
28. PRODUCTION										
Date First Production 11/11/2020		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 1/11/2021	Hours Tested 24 hrs	Choke Size	Prod'n For Test Period	Oil - Bbl 552	Gas - MCF 978	Water - Bbl. 3248	Gas - Oil Ratio 1773			
Flow Tubing Press. 196	Casing Pressure 1042	Calculated 24-Hour Rate	Oil - Bbl. 552	Gas - MCF 978	Water - Bbl. 3248	Oil Gravity - API - (<i>Corr.</i>)				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) Sold							30. Test Witnessed By			
31. List Attachments C-104 NW, C-102 & Supplement , Directional Survey (Log uploaded to NMOCD)										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude			Longitude			NAD83				
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature Cassie Evans			Printed Name Cassie Evans			Title Regulatory Analyst			Date 02/05/2021	
E-mail Address cassie.evans@exxonmobil.com										

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

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy ⁴⁷	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt ⁶⁶⁹	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Oztze
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand ³³⁹⁵	T. Morrison	
T. Drinkard	T. Bone Springs ⁷¹⁵⁴	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

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

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

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

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

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

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

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 22437

ACKNOWLEDGMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 22437
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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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 22437

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 22437
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	7/6/2021