

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 Permian Operating LLC 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 - 015-45397	⁵ Pool Name WC G-07 S223021G; Bone Spring	
	⁶ Pool Code 97905	
⁷ Property Code 322834	⁸ Property Name James Ranch Unit D11 BS1-3E	⁹ Well Number 213H

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
G	21	22S	30E		1542	North	1776	East	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	19	22S	30E		2641	South	16	West	Eddy
¹² Lse Code F	¹³ Producing Method Code GL		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
5380	XTO Energy Inc	O
5380	XTO Energy Inc	G
372787	Versa Enterprises LLC	

IV. Well Completion Data

²¹ Spud Date 03/18/19	²² Ready Date 06/20/20	²³ TD 23,510' MD / 9,044' TVD	²⁴ PBTB 23,492' MD / 9,044' TVD	²⁵ Perforations 10220 - 23358	²⁶ DHC, MC None
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement	
17-1/2"	13-3/8", J55, 54.5#	500		1160sx	
12-1/4"	9-5/8", J55, 36#	3595		1355sx	
8-3/4" / 8-1/2"	5" CYP110 20#	23,495		4365sx	
	2-7/8" J-55 tbg	8,026			

V. Well Test Data

³¹ Date New Oil 06/21/20	³² Gas Delivery Date 06/21/20	³³ Test Date 07/23/20	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 270	³⁶ Csg. Pressure 1078
³⁷ Choke Size 1749	³⁸ Oil	³⁹ Water 2761	⁴⁰ Gas 1806		⁴¹ Test Method Gas Lift
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Cassie Evans</i>			OIL CONSERVATION DIVISION		
Printed name: Cassie Evans			Approved by: KURT SIMMONS		
Title: Regulatory Analyst			Title: NMOCD, SANTA FE		
E-mail Address: cassie.evans@exxonmobil.com			Approval Date: 07/20/2021		
Date: 05/10/21	Phone: 432.215.3671				

District I

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

District II

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

District III

1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

AS-DRILLED PLAT

¹ API Number 30-015-45397	² Pool Code 97905	³ Pool Name WILDCAT G-07 S223021G; BONE SPRING
⁴ Property Code 325536	⁵ Property Name JAMES RANCH UNIT DI 1 BS1-3E	⁶ Well Number 213H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,166'

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
G	21	22 S	30 E		1,542	NORTH	1,776	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	19	22 S	30 E		2,641	SOUTH	16	WEST	EDDY

¹² Dedicated Acres 439.94	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.

16				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. <i>Cassie Evans</i> 05/10/21 Signature Date Cassie Evans Printed Name cassie.evans@exxonmobil.com E-mail Address	
18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 4-15-2021 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number JC 2017050648					

Intent ☐ As Drilled ☒

API # 30-015-45397		
Operator Name: XTO PERMIAN OPERATING, LLC	Property Name: James Ranch Unit DI1 BS1-3E	Well Number 213H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
G	21	22S	30E		2022	North	1776	E	Eddy
Latitude 32.379392 N					Longitude 103.884266 W				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
K	21	22S	30E		2621	S	2547	W	Eddy
Latitude 32.377653 N					Longitude 103.886713 W				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	19S	22S	30E	3	2633	S	180	W	Eddy
Latitude 32.37776 N					Longitude 103.929099 W				NAD 83

Is this well the defining well for the Horizontal Spacing Unit?

☐ Yes

Is this well an infill well?

☐ No

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, LLC	Property Name:	Well Number

KZ 06/29/2018

**Weatherford**

Drilling Services
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

XTO Energy
6401 Holliday Hill Road
Midland, TX 79707

Date: May 1, 2020

Attention: Cheryl Rowell

Re: XTO Energy
Well: James Ranch Unit DI 1 BSI-3E #213H
Eddy County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Joesf Hertzog MWD Supervisor	213H	602 MD 23,480 MD	3/23/2019 4/19/2019	Measurement While Drilling

A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Cory Snyder
Operations Supervisor - Measurements

5-1-2020
Date

5D Survey Report



5D Survey Report

XTO Energy

Field Name: *NM E - NAD 27*

Site Name: *James Ranch Unit DI 1 #210H_211H_212H_213H*

Well Name: *James Ranch Unit DI 1 BS1-3E #213H*

File number: *13658873*

Survey: *Definitive survey*

1 May 2020



5D Survey Report

James Ranch Unit DI 1 BS1-3E #213H

Field Name: NM E - NAD 27	Map Units: US ft		Company Name: XTO Energy			
	Vertical Reference Datum (VRD): Mean Sea Level					
	Projected Coordinate System: NAD27 / New Mexico East					
	Comment:					
Site: James Ranch Unit DI 1 #210H_211H_212H_213H	Units: US ft		North Reference: Grid		Convergence Angle: 0.24	
	Position:	Northing: 502465.80 US ft			Latitude: 32° 22' 50.12"	
		Easting: 639082.80 US ft			Longitude: -103° 52' 58.09"	
	Elevation above MSL:3166.00 US ft					
	Comment: Eddy Co, NM					
Slot: James Ranch Unit DI 1 BS1-3E #213H	Position (Relative to Site Centre)					
	+N/-S: -0.20 US ft	Northing: 502465.60 US ft		Latitude: 32° 22' 50.12"		
	+E/-W: -15.10 US ft	Easting: 639067.70 US ft		Longitude: -103° 52' 58.27"		
	Elevation above MSL: 3166.00 US ft					
	Comment:					
Well: James Ranch Unit DI 1 BS1-3E #213H	Type:Main well		UWI:			
	File Number:	Comment:				
	13658873					
	Closure Distance:14319.6US ft		Closure Azimuth:265.53°			
	Vertical Section: Position of Origin (Relative to Slot centre)					
	+N/-S: 0.00 US ft		+E/-W: -0.00 US ft		Az: 269.90°	

Drill floor: Survey Name: Definitive Survey

Rig Height (Well TVD Reference): Elevation above MSL: 3191.00 US ft **Inclination:** 0.00° **Azimuth:** 0.00°
25.00 US ft

Survey Name: Definitive Survey

Date: 05/Feb/2019 **Survey Tool:** See Survey **Comment:** **Company:**
Tool Ranges below.

Magnetic Model:

Model Name: Surcon **Date:** 07/Mar/2019 **Field Strength:** 47951.0 nT **Declination:** 7.17° **Dip:** 60.12°
IFR

Tie Point:

MD: 0.00 US ft **Inclination:** 0.00° **Azimuth:** 0.00° **TVD:** 0.00 US ft **North Offset:** 0.00 US ft **East Offset:** -0.00 US ft

Survey Tool Ranges:

Name	Start MD(USFt)	End MD(USFt)	Source Survey
MWD	0.00	502.00	Invictus MWD
MWD + IFR	502.00	3535.00	WFT MWD+IFR_1
MWD + IFR	3535.00	8867.00	WFT MWD+IFR_2
MWD + IFR + MS	8867.00	13689.00	WFT MWD+IFR+MS_3
MWD + IFR + MS	13689.00	18344.00	WFT MWD+IFR+MS_4
MWD + IFR + MS	18344.00	23510.00	WFT MWD+IFR+MS_5

Casing Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northings (US ft)	Easting (US ft)	Name
502.00	0.30	0.90	501.98	-2689.02	3.57	-0.99	502469.17	639066.71	13 3/8 in
3535.00	0.94	253.34	3534.47	343.47	-27.38	-2.35	502438.22	639065.35	9 5/8 in

5D Survey Report

Wellpath created using minimum curvature.

Survey Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
502.00	0.30	0.90	501.98	-2689.02	0.99	3.57	-0.99	502469.17	639066.71	0.17	Tie On Invictus; 13 3/8 in
602.00	0.10	189.18	601.98	-2589.02	1.00	3.75	-1.00	502469.35	639066.70	0.40	First WFT SVY
697.00	0.00	0.00	696.98	-2494.02	1.01	3.67	-1.01	502469.27	639066.69	0.11	
792.00	0.25	22.76	791.98	-2399.02	0.93	3.86	-0.93	502469.46	639066.77	0.26	
861.00	0.20	246.49	860.98	-2330.02	0.98	3.95	-0.99	502469.55	639066.71	0.61	
956.00	0.38	197.44	955.98	-2235.02	1.23	3.58	-1.23	502469.18	639066.47	0.31	
1051.00	0.35	186.38	1050.98	-2140.02	1.35	2.99	-1.36	502468.59	639066.34	0.08	
1146.00	0.38	165.46	1145.98	-2045.02	1.31	2.40	-1.31	502468.00	639066.39	0.14	
1242.00	0.84	156.99	1241.97	-1949.03	0.96	1.44	-0.96	502467.04	639066.74	0.49	
1336.00	1.05	163.09	1335.96	-1855.04	0.44	-0.01	-0.44	502465.59	639067.26	0.25	
1431.00	1.50	167.85	1430.94	-1760.06	-0.07	-2.06	0.08	502463.54	639067.78	0.49	
1525.00	1.34	158.29	1524.91	-1666.09	-0.73	-4.29	0.74	502461.31	639068.44	0.30	
1620.00	1.24	186.26	1619.88	-1571.12	-1.03	-6.34	1.04	502459.26	639068.74	0.66	
1714.00	0.88	172.64	1713.87	-1477.13	-1.01	-8.07	1.02	502457.53	639068.72	0.46	
1809.00	1.28	173.84	1808.85	-1382.15	-1.21	-9.85	1.23	502455.75	639068.93	0.42	
1903.00	0.93	214.73	1902.83	-1288.17	-0.89	-11.52	0.91	502454.08	639068.61	0.89	
1998.00	1.09	233.35	1997.82	-1193.18	0.28	-12.69	-0.26	502452.91	639067.44	0.38	
2092.00	0.95	237.41	2091.81	-1099.19	1.65	-13.64	-1.63	502451.96	639066.07	0.17	
2186.00	0.72	273.70	2185.80	-1005.20	2.90	-14.02	-2.88	502451.58	639064.82	0.60	
2280.00	0.82	253.09	2279.79	-911.21	4.13	-14.18	-4.11	502451.42	639063.59	0.31	
2375.00	1.38	255.61	2374.77	-816.23	5.89	-14.66	-5.87	502450.94	639061.83	0.59	
2469.00	1.15	262.73	2468.75	-722.25	7.93	-15.07	-7.90	502450.53	639059.80	0.30	
2564.00	1.54	284.34	2563.72	-627.28	10.11	-14.87	-10.08	502450.73	639057.62	0.67	
2659.00	0.70	253.54	2658.70	-532.30	11.90	-14.72	-11.88	502450.88	639055.82	1.06	
2753.00	1.42	149.42	2752.69	-438.31	11.86	-15.88	-11.83	502449.72	639055.87	1.84	
2849.00	2.08	141.69	2848.65	-342.35	10.18	-18.27	-10.15	502447.33	639057.55	0.73	
2943.00	1.73	125.44	2942.60	-248.40	7.97	-20.44	-7.93	502445.16	639059.77	0.68	
3038.00	1.95	125.18	3037.55	-153.45	5.48	-22.20	-5.45	502443.40	639062.25	0.23	
3133.00	1.30	132.25	3132.51	-58.49	3.37	-23.85	-3.33	502441.75	639064.37	0.71	
3228.00	0.98	146.49	3227.49	36.49	2.12	-25.26	-2.08	502440.34	639065.62	0.45	
3322.00	0.66	123.87	3321.48	130.48	1.23	-26.23	-1.19	502439.37	639066.51	0.48	
3418.00	0.56	224.50	3417.48	226.48	1.10	-26.87	-1.06	502438.73	639066.64	0.98	
3512.00	0.78	261.11	3511.47	320.47	2.06	-27.30	-2.01	502438.30	639065.69	0.50	
3535.00	0.94	253.34	3534.47	343.47	2.39	-27.38	-2.35	502438.22	639065.35	0.86	9 5/8 in
3606.00	0.71	238.02	3605.46	414.46	3.33	-27.78	-3.28	502437.82	639064.42	0.45	
3703.00	1.04	228.86	3702.45	511.45	4.50	-28.67	-4.45	502436.93	639063.25	0.37	
3797.00	0.94	223.03	3796.43	605.43	5.67	-29.80	-5.62	502435.80	639062.08	0.15	
3891.00	0.91	222.91	3890.42	699.42	6.71	-30.91	-6.65	502434.69	639061.05	0.03	
3985.00	0.73	238.30	3984.41	793.41	7.73	-31.77	-7.67	502433.83	639060.03	0.30	
4080.00	0.77	245.15	4079.40	888.40	8.82	-32.36	-8.76	502433.24	639058.94	0.10	
4174.00	0.59	252.13	4173.40	982.40	9.86	-32.77	-9.80	502432.83	639057.90	0.21	
4268.00	0.64	261.93	4267.39	1076.39	10.84	-32.99	-10.78	502432.61	639056.92	0.12	
4363.00	1.14	260.17	4362.38	1171.38	12.29	-33.23	-12.24	502432.37	639055.46	0.53	
4457.00	1.50	265.11	4456.36	1265.36	14.44	-33.49	-14.38	502432.11	639053.32	0.40	
4552.00	1.72	273.04	4551.32	1360.32	17.10	-33.52	-17.05	502432.08	639050.65	0.33	
4647.00	2.61	221.31	4646.26	1455.26	19.96	-35.07	-19.90	502430.53	639047.80	2.16	
4741.00	1.61	225.45	4740.19	1549.19	22.32	-37.61	-22.25	502427.99	639045.45	1.08	
4836.00	1.50	242.89	4835.16	1644.16	24.38	-39.11	-24.31	502426.49	639043.39	0.51	
4931.00	1.55	204.94	4930.13	1739.13	26.03	-40.84	-25.96	502424.76	639041.74	1.04	
5024.00	1.97	205.10	5023.08	1832.08	27.24	-43.43	-27.17	502422.17	639040.53	0.45	
5119.00	2.26	204.54	5118.02	1927.02	28.72	-46.61	-28.64	502418.99	639039.06	0.31	
5214.00	2.25	199.53	5212.94	2021.94	30.13	-50.07	-30.04	502415.53	639037.66	0.21	
5308.00	4.10	204.12	5306.80	2115.80	32.12	-54.88	-32.03	502410.72	639035.67	1.99	
5403.00	5.87	207.07	5401.43	2210.43	35.74	-62.31	-35.63	502403.29	639032.07	1.88	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
5499.00	7.90	210.55	5496.74	2305.74	41.34	-72.36	-41.22	502393.24	639026.48	2.16	
5594.00	8.56	212.75	5590.76	2399.76	48.50	-83.93	-48.36	502381.67	639019.34	0.77	
5688.00	9.25	213.22	5683.62	2492.62	56.45	-96.13	-56.28	502369.47	639011.42	0.74	
5783.00	9.33	212.91	5777.38	2586.38	64.84	-108.98	-64.65	502356.62	639003.05	0.10	
5877.00	8.42	212.28	5870.25	2679.25	72.68	-121.20	-72.46	502344.40	638995.24	0.97	
5971.00	7.65	211.44	5963.33	2772.33	79.63	-132.36	-79.40	502333.24	638988.30	0.83	
6066.00	7.41	211.57	6057.51	2866.51	86.16	-142.97	-85.91	502322.63	638981.79	0.25	
6160.00	7.16	209.90	6150.75	2959.75	92.27	-153.21	-92.00	502312.39	638975.70	0.35	
6255.00	7.19	209.87	6245.01	3054.01	98.20	-163.50	-97.92	502302.10	638969.78	0.03	
6349.00	7.93	210.88	6338.19	3147.19	104.48	-174.17	-104.17	502291.43	638963.53	0.80	
6443.00	8.04	208.53	6431.28	3240.28	110.96	-185.51	-110.64	502280.09	638957.06	0.37	
6538.00	7.90	207.42	6525.36	3334.36	117.16	-197.14	-116.82	502268.46	638950.88	0.22	
6632.00	8.44	211.13	6618.41	3427.41	123.73	-208.78	-123.36	502256.82	638944.34	0.80	
6727.00	8.79	211.82	6712.33	3521.33	131.18	-220.92	-130.79	502244.68	638936.91	0.38	
6821.00	8.91	211.13	6805.22	3614.22	138.75	-233.25	-138.34	502232.35	638929.36	0.17	
6916.00	8.81	209.66	6899.08	3708.08	146.18	-245.87	-145.75	502219.73	638921.95	0.26	
7011.00	8.86	207.21	6992.96	3801.96	153.14	-258.70	-152.69	502206.90	638915.01	0.40	
7106.00	8.29	209.63	7086.89	3895.89	159.90	-271.16	-159.42	502194.44	638908.28	0.71	
7200.00	8.25	209.01	7179.92	3988.92	166.54	-282.95	-166.04	502182.65	638901.66	0.10	
7295.00	8.32	207.60	7273.92	4082.92	173.05	-295.00	-172.53	502170.60	638895.17	0.23	
7390.00	7.93	211.18	7367.97	4176.97	179.65	-306.70	-179.11	502158.90	638888.59	0.67	
7485.00	7.10	212.25	7462.15	4271.15	186.19	-317.27	-185.64	502148.33	638882.06	0.89	
7580.00	6.16	212.73	7556.52	4365.52	192.10	-326.52	-191.53	502139.08	638876.17	0.99	
7675.00	7.23	210.48	7650.87	4459.87	197.90	-335.96	-197.31	502129.64	638870.39	1.16	
7769.00	6.89	209.72	7744.16	4553.16	203.71	-345.95	-203.11	502119.65	638864.59	0.38	
7863.00	7.76	206.50	7837.39	4646.39	209.36	-356.53	-208.74	502109.07	638858.96	1.02	
7958.00	6.89	203.29	7931.61	4740.61	214.49	-367.50	-213.85	502098.10	638853.85	1.01	
8052.00	6.77	209.39	8024.95	4833.95	219.46	-377.51	-218.80	502088.09	638848.90	0.78	
8147.00	8.25	216.11	8119.13	4928.13	226.24	-387.90	-225.57	502077.70	638842.13	1.81	
8242.00	8.69	218.95	8213.10	5022.10	234.79	-398.99	-234.09	502066.61	638833.61	0.64	
8337.00	8.00	215.82	8307.09	5116.09	243.19	-409.93	-242.47	502055.67	638825.23	0.87	
8431.00	8.16	211.14	8400.16	5209.16	250.49	-420.94	-249.75	502044.66	638817.95	0.72	
8527.00	8.57	208.45	8495.14	5304.14	257.44	-433.06	-256.68	502032.54	638811.02	0.59	
8621.00	7.98	208.91	8588.16	5397.16	263.95	-444.93	-263.17	502020.67	638804.53	0.63	
8716.00	7.65	209.97	8682.27	5491.27	270.32	-456.18	-269.52	502009.42	638798.18	0.38	
8810.00	7.34	207.39	8775.47	5584.47	276.22	-466.93	-275.41	501998.67	638792.29	0.49	
8867.00	6.95	205.37	8832.03	5641.03	279.39	-473.28	-278.56	501992.32	638789.14	0.81	
8901.00	6.78	206.38	8865.79	5674.79	281.17	-476.94	-280.33	501988.66	638787.37	0.61	
8933.00	8.01	207.28	8897.52	5706.52	283.03	-480.61	-282.20	501984.99	638785.50	3.86	
8965.00	10.56	207.96	8929.10	5738.10	285.44	-485.19	-284.59	501980.41	638783.11	7.98	
8996.00	14.17	209.06	8959.37	5768.37	288.63	-491.01	-287.77	501974.59	638779.93	11.67	
9028.00	17.75	210.32	8990.13	5799.13	293.01	-498.65	-292.14	501966.95	638775.56	11.24	
9060.00	21.10	211.70	9020.31	5829.31	298.51	-507.76	-297.63	501957.84	638770.07	10.57	
9107.00	25.59	212.87	9063.45	5872.45	308.50	-523.49	-307.59	501942.11	638760.11	9.60	
9154.00	29.50	212.72	9105.11	5914.11	320.30	-541.76	-319.35	501923.84	638748.35	8.32	
9201.00	35.52	207.59	9144.74	5953.74	332.93	-563.62	-331.95	501901.98	638735.75	14.08	
9249.00	41.02	207.07	9182.41	5991.41	346.61	-590.03	-345.58	501875.57	638722.12	11.48	
9296.00	45.91	208.93	9216.51	6025.51	361.86	-618.55	-360.78	501847.05	638706.92	10.75	
9344.00	50.16	209.91	9248.60	6057.60	379.45	-649.63	-378.31	501815.97	638689.39	8.98	
9391.00	54.30	210.27	9277.38	6086.38	398.13	-681.77	-396.94	501783.83	638670.76	8.83	
9438.00	57.53	212.24	9303.72	6112.72	418.39	-715.03	-417.14	501750.57	638650.56	7.70	
9485.00	61.81	213.53	9327.45	6136.45	440.48	-749.08	-439.17	501716.52	638628.53	9.41	
9533.00	65.24	213.74	9348.85	6157.85	464.34	-784.85	-462.97	501680.75	638604.73	7.16	
9580.00	67.67	213.65	9367.62	6176.62	488.30	-820.69	-486.87	501644.91	638580.83	5.17	
9628.00	69.56	215.68	9385.12	6194.12	513.79	-857.45	-512.29	501608.15	638555.41	5.57	
9675.00	72.01	217.51	9400.59	6209.59	540.31	-893.07	-538.75	501572.53	638528.95	6.38	
9722.00	73.84	220.47	9414.39	6223.39	568.64	-927.98	-567.02	501537.62	638500.68	7.17	
9769.00	75.93	224.67	9426.65	6235.65	599.39	-961.38	-597.71	501504.22	638469.99	9.71	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
9818.00	77.37	229.80	9437.97	6246.97	634.43	-993.74	-632.70	501471.86	638435.00	10.60	
9865.00	78.87	234.93	9447.66	6256.66	670.90	-1021.81	-669.11	501443.79	638398.59	11.15	
9913.00	80.87	239.76	9456.10	6265.10	710.71	-1047.29	-708.88	501418.31	638358.82	10.75	
9960.00	81.57	245.18	9463.28	6272.28	751.92	-1068.75	-750.06	501396.85	638317.64	11.49	
10007.00	82.35	250.13	9469.86	6278.86	794.98	-1086.43	-793.09	501379.17	638274.61	10.56	
10054.00	83.91	255.64	9475.49	6284.49	839.59	-1100.16	-837.67	501365.44	638230.03	12.10	
10101.00	86.08	261.25	9479.59	6288.59	885.45	-1109.53	-883.52	501356.07	638184.18	12.75	
10148.00	88.18	265.31	9481.94	6290.94	932.07	-1115.02	-930.13	501350.58	638137.57	9.72	
10196.00	89.44	268.55	9482.94	6291.94	979.99	-1117.59	-978.04	501348.01	638089.66	7.24	
10291.00	92.80	274.25	9481.08	6290.08	1074.88	-1115.27	-1072.94	501350.33	637994.76	6.96	
10386.00	91.47	272.44	9477.54	6286.54	1169.64	-1109.73	-1167.71	501355.87	637899.99	2.36	
10480.00	92.45	271.65	9474.33	6283.33	1263.52	-1106.38	-1261.59	501359.22	637806.11	1.34	
10573.00	90.70	271.79	9471.77	6280.77	1356.43	-1103.59	-1354.51	501362.01	637713.19	1.89	
10667.00	89.58	270.65	9471.54	6280.54	1450.40	-1101.59	-1448.48	501364.01	637619.22	1.70	
10762.00	90.98	270.08	9471.08	6280.08	1545.40	-1100.98	-1543.48	501364.62	637524.22	1.59	
10857.00	92.31	270.04	9468.35	6277.35	1640.36	-1100.88	-1638.44	501364.72	637429.26	1.40	
10952.00	90.63	269.48	9465.91	6274.91	1735.32	-1101.28	-1733.40	501364.32	637334.30	1.86	
11046.00	91.40	269.13	9464.25	6273.25	1829.30	-1102.42	-1827.38	501363.18	637240.32	0.90	
11139.00	92.80	268.69	9460.84	6269.84	1922.22	-1104.19	-1920.30	501361.41	637147.40	1.58	
11234.00	91.19	269.70	9457.53	6266.53	2017.15	-1105.52	-2015.23	501360.08	637052.47	2.00	
11329.00	91.96	269.78	9454.92	6263.92	2112.11	-1105.95	-2110.19	501359.65	636957.51	0.81	
11423.00	90.56	269.85	9452.86	6261.86	2206.09	-1106.26	-2204.16	501359.34	636863.54	1.49	
11517.00	91.68	269.60	9451.02	6260.02	2300.07	-1106.71	-2298.14	501358.89	636769.56	1.22	
11610.00	93.15	268.45	9447.10	6256.10	2392.97	-1108.29	-2391.04	501357.31	636676.66	2.01	
11704.00	91.54	268.66	9443.25	6252.25	2486.86	-1110.66	-2484.93	501354.94	636582.77	1.73	
11799.00	92.52	268.91	9439.89	6248.89	2581.79	-1112.67	-2579.85	501352.93	636487.85	1.06	
11893.00	94.27	267.69	9434.32	6243.32	2675.58	-1115.45	-2673.64	501350.15	636394.06	2.27	
11988.00	93.64	269.36	9427.77	6236.77	2770.32	-1117.89	-2768.37	501347.71	636299.33	1.87	
12083.00	95.04	269.22	9420.58	6229.58	2865.04	-1119.06	-2863.09	501346.54	636204.61	1.48	
12177.00	94.62	270.01	9412.67	6221.67	2958.70	-1119.69	-2956.76	501345.91	636110.94	0.95	
12271.00	92.59	271.03	9406.76	6215.76	3052.51	-1118.84	-3050.56	501346.76	636017.14	2.42	
12365.00	92.73	270.44	9402.39	6211.39	3146.40	-1117.64	-3144.45	501347.96	635923.25	0.64	
12460.00	94.20	269.13	9396.65	6205.65	3241.22	-1117.99	-3239.27	501347.61	635828.43	2.07	
12553.00	93.50	268.38	9390.41	6199.41	3333.99	-1120.01	-3332.04	501345.59	635735.66	1.10	
12648.00	94.55	271.59	9383.74	6192.74	3428.74	-1120.03	-3426.79	501345.57	635640.91	3.55	
12742.00	94.06	272.24	9376.68	6185.68	3522.42	-1116.90	-3520.47	501348.70	635547.23	0.86	
12837.00	92.64	272.63	9371.13	6180.13	3617.16	-1112.87	-3615.22	501352.73	635452.48	1.55	
12931.00	91.40	273.33	9367.82	6176.82	3710.96	-1107.99	-3709.03	501357.61	635358.67	1.51	
13026.00	93.92	272.69	9363.41	6172.41	3805.71	-1103.01	-3803.79	501362.59	635263.91	2.74	
13121.00	94.34	271.57	9356.56	6165.56	3900.39	-1099.48	-3898.48	501366.12	635169.22	1.26	
13215.00	93.57	270.22	9350.08	6159.08	3994.15	-1098.02	-3992.24	501367.58	635075.46	1.65	
13310.00	92.80	269.89	9344.80	6153.80	4089.00	-1097.93	-4087.09	501367.67	634980.61	0.88	
13405.00	91.61	270.68	9341.15	6150.15	4183.93	-1097.46	-4182.02	501368.14	634885.68	1.50	
13500.00	90.63	270.79	9339.29	6148.29	4278.90	-1096.24	-4276.99	501369.36	634790.71	1.04	
13595.00	90.84	269.80	9338.07	6147.07	4373.89	-1095.75	-4371.98	501369.85	634695.72	1.07	
13689.00	89.93	268.22	9337.44	6146.44	4467.87	-1097.37	-4465.96	501368.23	634601.74	1.94	
13806.00	91.12	267.30	9336.37	6145.37	4584.78	-1101.94	-4582.86	501363.66	634484.84	1.29	
13901.00	90.35	268.69	9335.15	6144.15	4679.72	-1105.27	-4677.79	501360.33	634389.91	1.67	
13996.00	91.68	269.14	9333.47	6142.47	4774.68	-1107.07	-4772.76	501358.53	634294.94	1.48	
14090.00	94.97	268.65	9328.02	6137.02	4868.50	-1108.88	-4866.57	501356.72	634201.13	3.54	
14185.00	93.50	269.29	9321.00	6130.00	4963.22	-1110.58	-4961.29	501355.02	634106.41	1.69	
14279.00	93.92	269.69	9314.92	6123.92	5057.02	-1111.41	-5055.09	501354.19	634012.61	0.62	
14373.00	94.20	270.14	9308.26	6117.26	5150.79	-1111.55	-5148.85	501354.05	633918.85	0.56	
14467.00	90.00	271.39	9304.82	6113.82	5244.69	-1110.30	-5242.76	501355.30	633824.94	4.66	
14562.00	90.14	271.47	9304.70	6113.70	5339.66	-1107.93	-5337.73	501357.67	633729.97	0.17	
14656.00	91.33	271.37	9303.50	6112.50	5433.61	-1105.60	-5431.69	501360.00	633636.01	1.27	
14751.00	90.91	270.47	9301.64	6110.64	5528.58	-1104.07	-5526.66	501361.53	633541.04	1.05	
14846.00	90.00	268.86	9300.89	6109.89	5623.57	-1104.63	-5621.65	501360.97	633446.05	1.95	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
14940.00	92.31	267.67	9298.99	6107.99	5717.51	-1107.47	-5715.58	501358.13	633352.12	2.76	
15035.00	91.75	266.38	9295.63	6104.63	5812.32	-1112.40	-5810.39	501353.20	633257.31	1.48	
15130.00	91.33	265.96	9293.07	6102.07	5907.09	-1118.74	-5905.14	501346.86	633162.56	0.63	
15224.00	90.28	265.62	9291.75	6100.75	6000.84	-1125.64	-5998.88	501339.96	633068.82	1.17	
15319.00	90.56	264.06	9291.06	6100.06	6095.46	-1134.19	-6093.49	501331.41	632974.21	1.67	
15413.00	91.89	266.10	9289.05	6098.05	6189.10	-1142.25	-6187.12	501323.35	632880.58	2.59	
15508.00	92.38	266.64	9285.51	6094.51	6283.85	-1148.26	-6281.86	501317.34	632785.84	0.77	
15603.00	91.82	270.35	9282.02	6091.02	6378.74	-1150.75	-6376.74	501314.85	632690.96	3.95	
15698.00	92.24	270.94	9278.66	6087.66	6473.68	-1149.68	-6471.68	501315.92	632596.02	0.76	
15793.00	92.94	271.82	9274.37	6083.37	6568.54	-1147.40	-6566.55	501318.20	632501.15	1.18	
15887.00	91.89	270.65	9270.41	6079.41	6662.43	-1145.37	-6660.44	501320.23	632407.26	1.67	
15981.00	92.03	270.07	9267.19	6076.19	6756.37	-1144.78	-6754.39	501320.82	632313.31	0.63	
16076.00	93.43	271.82	9262.67	6071.67	6851.24	-1143.22	-6849.26	501322.38	632218.44	2.36	
16170.00	94.62	271.22	9256.07	6065.07	6944.97	-1140.73	-6942.99	501324.87	632124.71	1.42	
16264.00	92.17	270.96	9250.50	6059.50	7038.78	-1138.95	-7036.80	501326.65	632030.90	2.62	
16359.00	91.61	270.66	9247.37	6056.37	7133.72	-1137.60	-7131.74	501328.00	631935.96	0.67	
16453.00	90.56	271.03	9245.59	6054.59	7227.69	-1136.22	-7225.71	501329.38	631841.99	1.18	
16547.00	90.14	270.96	9245.01	6054.01	7321.67	-1134.58	-7319.70	501331.02	631748.00	0.45	
16642.00	89.72	271.23	9245.13	6054.13	7416.65	-1132.77	-7414.68	501332.83	631653.02	0.53	
16736.00	91.40	271.99	9244.21	6053.21	7510.60	-1130.13	-7508.63	501335.47	631559.07	1.96	
16831.00	92.45	272.12	9241.02	6050.02	7605.47	-1126.72	-7603.52	501338.88	631464.18	1.11	
16925.00	91.05	271.05	9238.15	6047.15	7699.38	-1124.13	-7697.43	501341.47	631370.27	1.87	
17019.00	90.21	270.41	9237.12	6046.12	7793.37	-1122.93	-7791.42	501342.67	631276.28	1.12	
17114.00	91.05	269.67	9236.07	6045.07	7888.36	-1122.86	-7886.41	501342.74	631181.29	1.18	
17208.00	92.38	268.83	9233.26	6042.26	7982.31	-1124.09	-7980.36	501341.51	631087.34	1.67	
17303.00	92.94	268.95	9228.85	6037.85	8077.19	-1125.93	-8075.24	501339.67	630992.46	0.60	
17398.00	93.01	268.73	9223.92	6032.92	8172.05	-1127.85	-8170.09	501337.75	630897.61	0.24	
17493.00	91.96	269.26	9219.80	6028.80	8266.94	-1129.51	-8264.99	501336.09	630802.71	1.24	
17587.00	90.14	270.29	9218.08	6027.08	8360.92	-1129.88	-8358.96	501335.72	630708.74	2.22	
17682.00	90.56	270.50	9217.50	6026.50	8455.92	-1129.23	-8453.96	501336.37	630613.74	0.49	
17776.00	91.19	270.44	9216.06	6025.06	8549.90	-1128.46	-8547.95	501337.14	630519.75	0.67	
17871.00	92.16	269.64	9213.28	6022.28	8644.86	-1128.39	-8642.90	501337.21	630424.80	1.32	
17966.00	91.82	269.34	9209.99	6018.99	8739.80	-1129.24	-8737.84	501336.36	630329.86	0.48	
18060.00	91.40	269.11	9207.34	6016.34	8833.76	-1130.51	-8831.80	501335.09	630235.90	0.51	
18155.00	91.54	267.67	9204.91	6013.91	8928.69	-1133.18	-8926.72	501332.42	630140.98	1.52	
18249.00	91.05	268.86	9202.78	6011.78	9022.62	-1136.02	-9020.66	501329.58	630047.04	1.37	
18344.00	91.26	269.55	9200.87	6009.87	9117.60	-1137.34	-9115.63	501328.26	629952.07	0.76	
18438.00	93.57	270.73	9196.91	6005.91	9211.50	-1137.11	-9209.53	501328.49	629858.17	2.76	
18599.00	94.01	272.91	9186.26	5995.26	9372.05	-1132.01	-9370.09	501333.59	629697.61	1.38	
18693.00	92.84	274.09	9180.65	5989.65	9465.70	-1126.28	-9463.74	501339.32	629603.96	1.77	
18788.00	91.85	274.61	9176.76	5985.76	9560.33	-1119.08	-9558.39	501346.52	629509.31	1.18	
18882.00	91.79	273.57	9173.78	5982.78	9654.03	-1112.38	-9652.10	501353.22	629415.60	1.11	
18976.00	91.79	272.44	9170.84	5979.84	9747.84	-1107.45	-9745.93	501358.15	629321.77	1.20	
19071.00	91.85	272.73	9167.82	5976.82	9842.69	-1103.17	-9840.78	501362.43	629226.92	0.31	
19165.00	92.28	274.24	9164.43	5973.43	9936.44	-1097.46	-9934.54	501368.14	629133.16	1.67	
19260.00	91.91	272.65	9160.96	5969.96	10031.20	-1091.76	-10029.31	501373.84	629038.39	1.72	
19355.00	92.16	270.07	9157.59	5966.59	10126.10	-1089.50	-10124.21	501376.10	628943.49	2.73	
19449.00	91.97	268.22	9154.20	5963.20	10220.02	-1090.91	-10218.13	501374.69	628849.57	1.98	
19544.00	91.98	267.47	9150.93	5959.93	10314.90	-1094.48	-10313.01	501371.12	628754.69	0.79	
19638.00	91.91	268.11	9147.74	5956.74	10408.79	-1098.10	-10406.89	501367.50	628660.81	0.68	
19733.00	91.85	267.63	9144.62	5953.62	10503.68	-1101.63	-10501.77	501363.97	628565.93	0.51	
19827.00	91.79	267.51	9141.63	5950.63	10597.55	-1105.61	-10595.64	501359.99	628472.06	0.14	
19922.00	92.16	267.81	9138.36	5947.36	10692.42	-1109.49	-10690.50	501356.11	628377.20	0.50	
20016.00	91.73	268.54	9135.17	5944.17	10786.32	-1112.48	-10784.40	501353.12	628283.30	0.90	
20111.00	91.60	269.09	9132.41	5941.41	10881.27	-1114.44	-10879.34	501351.16	628188.36	0.59	
20205.00	91.54	268.39	9129.83	5938.83	10975.21	-1116.51	-10973.28	501349.09	628094.42	0.75	
20299.00	91.97	268.79	9126.95	5935.95	11069.14	-1118.82	-11067.21	501346.78	628000.49	0.62	
20394.00	91.54	269.71	9124.04	5933.04	11164.09	-1120.06	-11162.15	501345.54	627905.55	1.07	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
20488.00	91.54	271.25	9121.52	5930.52	11258.05	-1119.28	-11256.11	501346.32	627811.59	1.64	
20583.00	91.24	270.70	9119.21	5928.21	11353.00	-1117.66	-11351.07	501347.94	627716.63	0.66	
20678.00	91.67	268.81	9116.80	5925.80	11447.97	-1118.07	-11446.03	501347.53	627621.67	2.04	
20772.00	91.36	268.47	9114.32	5923.32	11541.91	-1120.30	-11539.97	501345.30	627527.73	0.49	
20867.00	92.28	270.09	9111.30	5920.30	11636.85	-1121.49	-11634.91	501344.11	627432.79	1.96	
20962.00	91.85	271.58	9107.88	5916.88	11731.78	-1120.11	-11729.84	501345.49	627337.86	1.63	
21056.00	91.73	271.57	9104.94	5913.94	11825.69	-1117.52	-11823.76	501348.08	627243.94	0.13	
21151.00	91.73	271.19	9102.07	5911.07	11920.62	-1115.24	-11918.69	501350.36	627149.01	0.40	
21245.00	91.30	270.43	9099.59	5908.59	12014.57	-1113.91	-12012.64	501351.69	627055.06	0.93	
21340.00	90.74	269.98	9097.90	5906.90	12109.55	-1113.57	-12107.63	501352.03	626960.07	0.76	
21434.00	91.36	270.12	9096.17	5905.17	12203.54	-1113.49	-12201.61	501352.11	626866.09	0.68	
21529.00	90.93	271.45	9094.27	5903.27	12298.50	-1112.19	-12296.58	501353.41	626771.12	1.47	
21624.00	91.36	270.89	9092.38	5901.38	12393.46	-1110.25	-12391.54	501355.35	626676.16	0.74	
21719.00	91.23	269.36	9090.23	5899.23	12488.43	-1110.04	-12486.51	501355.56	626581.19	1.62	
21813.00	91.23	268.61	9088.21	5897.21	12582.40	-1111.70	-12580.48	501353.90	626487.22	0.80	
21907.00	91.61	268.12	9085.88	5894.88	12676.34	-1114.39	-12674.41	501351.21	626393.29	0.66	
22002.00	91.36	268.86	9083.42	5892.42	12771.27	-1116.89	-12769.34	501348.71	626298.36	0.82	
22097.00	88.71	265.90	9083.36	5892.36	12866.16	-1121.23	-12864.23	501344.37	626203.47	4.18	
22191.00	89.81	266.52	9084.58	5893.58	12959.96	-1127.44	-12958.01	501338.16	626109.69	1.34	
22286.00	91.17	269.97	9083.76	5892.76	13054.90	-1130.35	-13052.95	501335.25	626014.75	3.90	
22381.00	90.00	269.70	9082.79	5891.79	13149.89	-1130.63	-13147.94	501334.97	625919.76	1.26	
22476.00	92.53	270.52	9080.70	5889.70	13244.86	-1130.44	-13242.91	501335.16	625824.79	2.80	
22571.00	92.04	271.35	9076.91	5885.91	13339.77	-1128.89	-13337.82	501336.71	625729.88	1.01	
22666.00	91.73	270.25	9073.78	5882.78	13434.70	-1127.57	-13432.76	501338.03	625634.94	1.20	
22761.00	92.10	269.37	9070.61	5879.61	13529.65	-1127.88	-13527.70	501337.72	625540.00	1.00	
22855.00	91.98	269.16	9067.26	5876.26	13623.58	-1129.09	-13621.63	501336.51	625446.07	0.26	
22950.00	91.98	269.57	9063.98	5872.98	13718.52	-1130.14	-13716.57	501335.46	625351.13	0.43	
23046.00	91.98	270.32	9060.66	5869.66	13814.46	-1130.23	-13812.51	501335.37	625255.19	0.78	
23140.00	92.04	271.01	9057.37	5866.37	13908.40	-1129.14	-13906.45	501336.46	625161.25	0.74	
23235.00	91.98	271.45	9054.03	5863.03	14003.31	-1127.10	-14001.37	501338.50	625066.33	0.47	
23329.00	91.98	271.81	9050.79	5859.79	14097.21	-1124.43	-14095.27	501341.17	624972.43	0.38	
23424.00	92.10	272.59	9047.40	5856.40	14192.08	-1120.79	-14190.14	501344.81	624877.56	0.83	
23480.00	92.10	272.98	9045.35	5854.35	14247.97	-1118.07	-14246.04	501347.53	624821.66	0.70	Last WFT SVY
23510.00	92.10	272.98	9044.25	5853.25	14277.90	-1116.51	-14275.98	501349.09	624791.72	0.00	PTB

Formation Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)									
Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)
Rustler	149.00	0.51	335.14	149.00	-3042.00	0.63	-0.30	502466.23	639067.40
Salado	539.02	0.15	358.90	539.00	-2652.00	3.72	-0.99	502469.32	639066.71
Base Salt	3275.52	0.80	137.29	3275.00	84.00	-25.84	-1.63	502439.76	639066.07
Delaware/Lamar	3523.53	0.86	256.85	3523.00	332.00	-27.33	-2.17	502438.27	639065.53
Bell Canyon	3566.54	0.83	247.58	3566.00	375.00	-27.54	-2.81	502438.06	639064.89
Cherry Canyon	4446.64	1.46	264.69	4446.00	1255.00	-33.47	-14.12	502432.13	639053.58
Manzanita Marker	4646.74	2.61	221.39	4646.00	1455.00	-35.06	-19.89	502430.54	639047.81
Brushy Canyon Ss.	5777.55	9.33	212.93	5772.00	2581.00	-108.24	-64.17	502357.36	639003.53
Basal Brushy Canyon Ss.	7113.18	8.29	209.58	7094.00	3903.00	-272.06	-159.93	502193.54	638907.77
Bone Spring Lm.	7389.02	7.93	211.14	7367.00	4176.00	-306.58	-179.04	502159.02	638888.66
Avalon Ss.	7438.47	7.51	211.70	7416.00	4225.00	-312.25	-182.51	502153.35	638885.19
Upper Avalon Carb.	7650.95	6.96	210.98	7627.00	4436.00	-333.41	-195.80	502132.19	638871.90
Upper Avalon Sh.	7728.54	7.04	210.06	7704.00	4513.00	-341.70	-200.67	502123.90	638867.03
Lw. Avalon Carb.	7812.17	7.29	208.15	7787.00	4596.00	-350.62	-205.69	502114.98	638862.01
Lw. Avalon Sh.	7992.63	6.84	205.51	7966.00	4775.00	-371.27	-215.56	502094.33	638852.14

5D Survey Report

Formation Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)									
Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)
Bone Spring Carb.	8168.09	8.35	216.77	8140.00	4949.00	-390.35	-227.37	502075.25	638840.33
First Bone Spring Ss.	8396.50	8.10	212.84	8366.00	5175.00	-416.80	-247.17	502048.80	638820.53
Second Bone Spring Carb.	8787.34	7.41	208.03	8753.00	5562.00	-464.36	-274.06	502001.24	638793.64
Top Second Bone Spring	9020.52	16.91	210.07	8983.00	5792.00	-496.73	-291.02	501968.87	638776.68
Second Bone Spring A Ss.	9148.14	29.01	212.74	9100.00	5909.00	-539.35	-317.81	501926.25	638749.89
Second Bone Spring A/B Carb.	9510.18	63.61	213.64	9339.00	6148.00	-767.72	-451.55	501697.88	638616.15
Second Bone Spring B Ss.	9762.26	75.63	224.07	9425.00	6234.00	-956.71	-593.14	501508.89	638474.56

Intent ☐ As Drilled ☒API #
30-015-45397

Operator Name: XTO PERMIAN OPERATING, LLC.	Property Name: JAMES RANCH UNIT DI 1 BS1-3E	Well Number 213H
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Kick Off Point (KOP)

UL G	Section 21	Township 22S	Range 30E	Lot	Feet 2,022	From N/S FNL	Feet 2,059	From E/W FEL	County EDDY
Latitude 32.379392					Longitude 103.884266				NAD 83

First Take Point (FTP)

UL K	Section 21	Township 22S	Range 30E	Lot	Feet 2,620	From N/S FSL	Feet 2,580	From E/W FWL	County EDDY
Latitude 32.377651					Longitude 103.886606				NAD 83

Last Take Point (LTP)

UL L2	Section 19	Township 22S	Range 30E	Lot	Feet 2,633	From N/S FSL	Feet 176	From E/W FWL	County EDDY
Latitude 32.377777					Longitude 103.929112				NAD 83

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

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

API #

Operator Name:	Property Name:	Well Number
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KZ 06/29/2018

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 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 1 BS1 3E		
7. Type of Completion: ☐ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☒ OTHER Amended Completions Documents								6. Well Number: 213H		
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 WILDCAT; BONE SPRING (OIL)				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	G	21	22S	30E		1542	North	1776	East	Eddy
BH:			22S	30E	3	2641	South	16	West	Eddy
13. Date Spudded 3/18/2019	14. Date T.D. Reached 4/19/2019		15. Date Rig Released 4/23/2019			16. Date Completed (Ready to Produce) 06/20/20		17. Elevations (DF and RKB, RT, GR, etc.) 3166' GL		
18. Total Measured Depth of Well 23,510			19. Plug Back Measured Depth 23,492			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 10,220 - 23,358 WILDCAT; BONE SPRING (OIL)										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8"		54.5		500'		17 1/2"		1160		
9 5/8"		36.0		3,595'		12 1/4"		1355		
5"		20.0		23,495'		8 3/4"		4365		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
						2 7/8"	8,937	8,921		
26. Perforation record (interval, size, and number) 10,220 - 23,358 4spf, 1628 Total Shots 67 stages						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						10,220 - 23,358		675,908 bbl fluid + 32,593,703 lbs proppant		
28. PRODUCTION										
Date First Production 6/21/20		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Gas Lift				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 7/23/20	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 1749	Gas - MCF 1806	Water - Bbl. 2761	Gas - Oil Ratio 1142			
Flow Tubing Press. 270	Casing Pressure 1078	Calculated 24-Hour Rate	Oil - Bbl. 1749	Gas - MCF 1806	Water - Bbl. 2761	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		Printed Name		Title		Date				
Cassie Evans		Cassie Evans		Regulatory Analyst		05/10/21				
E-mail Address		cassie.evans@exxonmobil.com								

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

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 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 27650

ACKNOWLEDGMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 27650
	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
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 27650

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 27650
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	Submit all drilling, casing, and completion sundries.	7/20/2021