

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

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 30-015-45504	² Pool Code 98241	³ Pool Name WC-015 G-05 S2333031K; Wolfcamp
⁴ Property Code 303152	⁵ Property Name NASH UNIT	⁶ Well Number 402H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	⁹ Elevation 3,075'

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
B	19	23 S	30 E		660	NORTH	1,905	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
2	6	23 S	30 E		9	NORTH	1,668	EAST	EDDY

¹² Dedicated Acres 480.25	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

	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 471,633.3 X= 669,528.6 LAT.= 32.295912°N LONG.= 103.918461°W FIRST TAKE POINT NAD 83 NME Y= 472,501.9 X= 669,782.8 LAT.= 32.298297°N LONG.= 103.917628°W CORNER COORDINATES TABLE NAD 83 NME <table border="1"> <tr><td>A</td><td>Y= 488,218.9 N, X= 670,042.8 E</td></tr> <tr><td>B</td><td>Y= 488,216.7 N, X= 668,705.0 E</td></tr> <tr><td>C</td><td>Y= 485,557.4 N, X= 670,041.6 E</td></tr> <tr><td>D</td><td>Y= 485,558.1 N, X= 668,703.8 E</td></tr> <tr><td>E</td><td>Y= 482,906.0 N, X= 670,040.5 E</td></tr> <tr><td>F</td><td>Y= 482,906.3 N, X= 668,702.7 E</td></tr> <tr><td>G</td><td>Y= 480,252.1 N, X= 670,051.7 E</td></tr> <tr><td>H</td><td>Y= 480,252.3 N, X= 668,714.2 E</td></tr> <tr><td>I</td><td>Y= 477,598.1 N, X= 670,062.9 E</td></tr> <tr><td>J</td><td>Y= 477,596.9 N, X= 668,725.8 E</td></tr> <tr><td>K</td><td>Y= 474,946.5 N, X= 670,077.4 E</td></tr> <tr><td>L</td><td>Y= 474,944.1 N, X= 668,739.6 E</td></tr> <tr><td>M</td><td>Y= 472,294.3 N, X= 670,091.2 E</td></tr> <tr><td>N</td><td>Y= 472,291.5 N, X= 668,753.5 E</td></tr> </table> CORNER COORDINATES TABLE NAD 27 NME <table border="1"> <tr><td>A</td><td>Y= 488,159.0 N, X= 628,860.6 E</td></tr> <tr><td>B</td><td>Y= 488,156.7 N, X= 627,522.8 E</td></tr> <tr><td>C</td><td>Y= 485,497.5 N, X= 628,859.3 E</td></tr> <tr><td>D</td><td>Y= 485,498.2 N, X= 627,521.5 E</td></tr> <tr><td>E</td><td>Y= 482,846.2 N, X= 628,858.1 E</td></tr> <tr><td>F</td><td>Y= 482,846.5 N, X= 627,520.3 E</td></tr> <tr><td>G</td><td>Y= 480,192.3 N, X= 628,869.2 E</td></tr> <tr><td>H</td><td>Y= 480,192.5 N, X= 627,531.7 E</td></tr> <tr><td>I</td><td>Y= 477,538.4 N, X= 628,880.3 E</td></tr> <tr><td>J</td><td>Y= 477,537.2 N, X= 627,543.3 E</td></tr> <tr><td>K</td><td>Y= 474,886.9 N, X= 628,894.8 E</td></tr> <tr><td>L</td><td>Y= 474,884.5 N, X= 627,557.0 E</td></tr> <tr><td>M</td><td>Y= 472,234.7 N, X= 628,908.5 E</td></tr> <tr><td>N</td><td>Y= 472,231.9 N, X= 627,570.8 E</td></tr> </table> GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 471,573.7 X= 628,345.9 LAT.= 32.295789°N LONG.= 103.917970°W FIRST TAKE POINT NAD 27 NME Y= 472,442.3 X= 628,600.1 LAT.= 32.298174°N LONG.= 103.917136°W LAST TAKE POINT NAD 83 NME Y= 488,099.4 X= 669,715.2 LAT.= 32.341172°N LONG.= 103.917651°W BOTTOM HOLE LOCATION NAD 83 NME Y= 488,209.4 X= 669,713.2 LAT.= 32.341474°N LONG.= 103.917656°W LAST TAKE POINT NAD 27 NME Y= 488,039.5 X= 628,533.0 LAT.= 32.341050°N LONG.= 103.917157°W BOTTOM HOLE LOCATION NAD 27 NME Y= 488,149.5 X= 628,531.0 LAT.= 32.341352°N LONG.= 103.917163°W	A	Y= 488,218.9 N, X= 670,042.8 E	B	Y= 488,216.7 N, X= 668,705.0 E	C	Y= 485,557.4 N, X= 670,041.6 E	D	Y= 485,558.1 N, X= 668,703.8 E	E	Y= 482,906.0 N, X= 670,040.5 E	F	Y= 482,906.3 N, X= 668,702.7 E	G	Y= 480,252.1 N, X= 670,051.7 E	H	Y= 480,252.3 N, X= 668,714.2 E	I	Y= 477,598.1 N, X= 670,062.9 E	J	Y= 477,596.9 N, X= 668,725.8 E	K	Y= 474,946.5 N, X= 670,077.4 E	L	Y= 474,944.1 N, X= 668,739.6 E	M	Y= 472,294.3 N, X= 670,091.2 E	N	Y= 472,291.5 N, X= 668,753.5 E	A	Y= 488,159.0 N, X= 628,860.6 E	B	Y= 488,156.7 N, X= 627,522.8 E	C	Y= 485,497.5 N, X= 628,859.3 E	D	Y= 485,498.2 N, X= 627,521.5 E	E	Y= 482,846.2 N, X= 628,858.1 E	F	Y= 482,846.5 N, X= 627,520.3 E	G	Y= 480,192.3 N, X= 628,869.2 E	H	Y= 480,192.5 N, X= 627,531.7 E	I	Y= 477,538.4 N, X= 628,880.3 E	J	Y= 477,537.2 N, X= 627,543.3 E	K	Y= 474,886.9 N, X= 628,894.8 E	L	Y= 474,884.5 N, X= 627,557.0 E	M	Y= 472,234.7 N, X= 628,908.5 E	N	Y= 472,231.9 N, X= 627,570.8 E	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>Melanie Collins</i> 04/ 01/ 2020 Signature Date Melanie Collins Printed Name melanie_collins@xtoenergy. com E-mail Address
	A	Y= 488,218.9 N, X= 670,042.8 E																																																								
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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. 3-11-2020 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number JC 2019083005																																																										

Intent ☐ As Drilled ☒

API # 30-015-45500			
Operator Name: XTO ENERGY, INC.		Property Name: NASH UNIT	Well Number 301H

Kick Off Point (KOP)

UL A	Section 19	Township 23S	Range 30E	Lot	Feet 90	From N/S NORTH	Feet 580	From E/W EAST	County EDDY
Latitude 32.296437					Longitude 103.913025				NAD 83

First Take Point (FTP)

UL P	Section 18	Township 23S	Range 30E	Lot	Feet 299	From N/S SOUTH	Feet 362	From E/W EAST	County EDDY
Latitude 32.298539					Longitude 103.913476				NAD 83

Last Take Point (LTP)

UL P	Section 6	Township 23S	Range 30E	Lot	Feet 1145	From N/S SOUTH	Feet 381	From E/W EAST	County EDDY
Latitude 32.330029					Longitude 103.913548				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 # 30-015-45494			
Operator Name: XTO Energy, Inc.		Property Name: NASH UNIT	Well Number 201H

KZ 06/29/2018



I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **02/23/19** thru **03/08/19** conduct or supervise the taking of a **MWD Survey** from a depth of **226'** to a depth of **9352'**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Wellbenders Directional Services**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **XTO Energy Inc** for the **Nash Unit 402H** API No. **30-015-45504** in **Eddy County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Wellbenders Directional Services**.

Larry Wright

Larry
Wright

Digitally signed
by Larry Wright
Date:
2020.04.07
09:22:28 -05'00'

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



XTO Energy

Eddy County, NM (Nad-27 / East Zone)

Nash Unit

#402H

OH

Design: OH

End Of Well Report

06 April, 2020



Wellbenders

End Of Well Report

Company: XTO Energy		Local Co-ordinate Reference:		Well #402H	
Project: Eddy County, NM (Nad-27 / East Zone)		TVD Reference:		RKB=30' @ 3105.00usft (Akita 90)	
Site: Nash Unit		MD Reference:		RKB=30' @ 3105.00usft (Akita 90)	
Well: #402H		North Reference:		Grid	
Wellbore: OH		Survey Calculation Method:		Minimum Curvature	
Design: OH		Database:		WBDS_SQL_2	

Project		Eddy County, NM (Nad-27 / East Zone)	
Map System:		US State Plane 1927 (Exact solution)	
Geo Datum:		NAD 1927 (NADCON CONUS)	
Map Zone:		New Mexico East 3001	
System Datum:		Mean Sea Level	

Site		Nash Unit	
Site Position:			
From:		Map	
Position Uncertainty:		0.00 usft	
		Northing:	471,623.70 usft
		Easting:	628,345.40 usft
		Slot Radius:	13.200 in
		Latitude:	32.295927
		Longitude:	-103.917971
		Grid Convergence:	0.222 °

Well		#402H	
Well Position			
+N/-S		0.00 usft	
+E/-W		0.00 usft	
0.00 usft		0.00 usft	
Position Uncertainty			
		Northing:	471,573.70 usft
		Easting:	628,345.90 usft
		Wellhead Elevation:	usft
		Latitude:	32.295789
		Longitude:	-103.917970
		Ground Level:	3,075.00 usft

Wellbore		OH	
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Magnetics		Model Name		Sample Date		Declination (°)		Dip Angle (°)		Field Strength (nT)	
		IGRF2015		2/14/2019		6.941		60.052		47,775.61990409	

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

Survey Program		Date		4/6/2020					
From (usft)		To (usft)		Survey (Wellbore)		Tool Name		Description	
226.00		9,352.00		Survey #1 (OH)		WBDS_IGRF		OWSG MWD + IGRF or WMM	



Wellbenders

End Of Well Report

Company: XTO Energy			Local Co-ordinate Reference:							
Project: Eddy County, NM (Nad-27 / East Zone)			TVD Reference:				Well #402H			
Site: Nash Unit			MD Reference:				RKB=30' @ 3105.00ustf (Akita 90)			
Well: #402H			North Reference:				Grid			
Wellbore: OH			Survey Calculation Method:				Minimum Curvature			
Design: OH			Database:				WBDS_SQL_2			
Survey										
MD (ustft)	Inc (°)	Azi (azimuth) (°)	TVD (ustft)	N/S (ustft)	E/W (ustft)	V. Sec (ustft)	CL (ustft)	CL Azi (°)	DLeg (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
226.00	0.40	52.00	226.00	0.49	0.62	0.49	226.00	52.00	0.18	0.18
317.00	1.00	57.00	316.99	1.11	1.54	1.11	91.00	55.57	0.66	0.66
448.00	0.88	78.90	447.97	1.93	3.48	1.93	131.00	67.24	0.29	0.29
539.00	0.79	82.80	538.96	2.14	4.79	2.14	91.00	80.74	0.12	0.12
679.00	0.79	78.70	678.95	2.45	6.70	2.45	140.00	80.75	0.04	0.04
721.00	0.88	82.70	720.95	2.55	7.30	2.55	42.00	80.81	0.26	0.26
819.00	1.01	74.90	818.93	2.87	8.88	2.87	98.00	78.53	0.19	0.19
913.00	1.32	80.70	912.91	3.26	10.75	3.26	94.00	78.19	0.35	0.35
1,008.00	1.32	82.10	1,007.89	3.59	12.91	3.59	95.00	81.40	0.03	0.03
1,103.00	1.41	83.50	1,102.86	3.87	15.16	3.87	95.00	82.82	0.10	0.10
1,198.00	1.41	80.90	1,197.83	4.19	17.47	4.19	95.00	82.20	0.07	0.07
1,292.00	1.49	78.40	1,291.80	4.62	19.81	4.62	94.00	79.62	0.11	0.11
1,387.00	1.80	76.60	1,386.76	5.21	22.47	5.21	95.00	77.42	0.33	0.33
1,482.00	1.89	77.80	1,481.71	5.89	25.46	5.89	95.00	77.21	0.10	0.10
1,577.00	2.20	75.90	1,576.65	6.66	28.76	6.66	95.00	76.78	0.33	0.33
1,672.00	2.42	75.00	1,671.58	7.63	32.46	7.63	95.00	75.43	0.23	0.23
1,766.00	2.81	76.20	1,765.48	8.69	36.62	8.69	94.00	75.64	0.42	0.42
1,861.00	2.81	76.90	1,860.36	9.77	41.15	9.77	95.00	76.55	0.04	0.04
1,956.00	2.99	78.30	1,955.24	10.80	45.84	10.80	95.00	77.62	0.20	0.20
2,051.00	3.21	78.80	2,050.10	11.82	50.87	11.82	95.00	78.56	0.23	0.23
2,146.00	3.21	91.80	2,144.96	12.26	56.14	12.26	95.00	85.30	0.76	0.76
2,240.00	3.21	110.10	2,238.81	11.27	61.24	11.27	94.00	100.95	1.09	1.09
2,334.00	4.09	133.00	2,332.62	8.08	66.17	8.08	94.00	122.95	1.79	1.79
2,403.00	5.01	132.10	2,401.41	4.38	70.20	4.38	69.00	132.50	1.34	1.34
2,523.00	6.11	126.50	2,520.84	-2.93	79.23	-2.93	120.00	129.02	1.02	1.02
2,618.00	6.90	126.70	2,615.23	-9.35	87.86	-9.35	95.00	126.61	0.83	0.83



Wellbenders

End Of Well Report

Company: XTO Energy			Local Co-ordinate Reference:						
Project: Eddy County, NM (Nad-27 / East Zone)			TVD Reference:			Well #402H			
Site: Nash Unit			MD Reference:			RKB=30' @ 3105.00ustf (Akita 90)			
Well: #402H			North Reference:			Grid			
Wellbore: OH			Survey Calculation Method:			Minimum Curvature			
Design: OH			Database:			WBDS_SQL_2			
Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
2,712.00	6.51	129.30	2,708.58	-16.10	96.52	-16.10	94.00	127.96	0.53
2,807.00	4.22	123.00	2,803.16	-21.41	103.62	-21.41	95.00	126.82	2.49
2,902.00	4.40	113.60	2,897.90	-24.78	109.89	-24.78	95.00	118.20	0.77
2,997.00	3.69	98.50	2,992.66	-26.69	116.25	-26.69	95.00	106.72	1.34
3,091.00	3.12	91.60	3,086.49	-27.21	121.80	-27.21	94.00	95.34	0.75
3,155.00	3.12	86.50	3,150.40	-27.15	125.28	-27.15	64.00	89.05	0.43
3,277.00	2.90	84.85	3,272.23	-26.67	131.67	-26.67	122.00	85.71	0.19
3,372.00	2.81	81.51	3,367.11	-26.11	136.36	-26.11	95.00	83.21	0.20
3,467.00	2.51	78.88	3,462.01	-25.36	140.71	-25.36	95.00	80.27	0.34
3,562.00	3.30	61.04	3,556.89	-23.64	145.14	-23.64	95.00	68.74	1.25
3,657.00	2.68	51.90	3,651.76	-20.94	149.28	-20.94	95.00	56.94	0.82
3,752.00	1.80	60.42	3,746.69	-18.84	152.33	-18.84	95.00	55.32	0.99
3,847.00	1.80	35.72	3,841.64	-16.89	154.49	-16.89	95.00	48.07	0.81
3,942.00	1.10	36.51	3,936.61	-14.95	155.91	-14.95	95.00	36.02	0.74
4,037.00	0.88	44.25	4,031.60	-13.69	156.96	-13.69	95.00	39.95	0.27
4,132.00	1.01	34.58	4,126.58	-12.48	157.94	-12.48	95.00	39.08	0.22
4,226.00	1.41	24.83	4,220.56	-10.75	158.90	-10.75	94.00	28.90	0.48
4,321.00	0.70	17.00	4,315.55	-9.13	159.56	-9.13	95.00	22.23	0.76
4,416.00	0.62	5.31	4,410.54	-8.06	159.78	-8.06	95.00	11.51	0.16
4,511.00	1.19	41.52	4,505.53	-6.81	160.48	-6.81	95.00	29.29	0.82
4,606.00	1.19	42.93	4,600.51	-5.35	161.80	-5.35	95.00	42.23	0.03
4,700.00	1.32	45.48	4,694.49	-3.88	163.24	-3.88	94.00	44.27	0.15
4,795.00	1.41	40.29	4,789.46	-2.22	164.78	-2.22	95.00	42.80	0.16
4,890.00	1.41	43.63	4,884.43	-0.48	166.34	-0.48	95.00	41.96	0.09
4,985.00	1.32	43.46	4,979.40	1.16	167.90	1.16	95.00	43.55	0.09
5,080.00	1.19	41.79	5,074.38	2.69	169.31	2.69	95.00	42.67	0.14
5,175.00	1.10	43.55	5,169.36	4.08	170.59	4.08	95.00	42.64	0.10



Wellbenders

End Of Well Report

Company: XTO Energy			Local Co-ordinate Reference:							
Project: Eddy County, NM (Nad-27 / East Zone)			TVD Reference:			Well #402H				
Site: Nash Unit			MD Reference:			RKB=30' @ 3105.00ustf (Akita 90)				
Well: #402H			North Reference:			Grid				
Wellbore: OH			Survey Calculation Method:			Minimum Curvature				
Design: OH			Database:			WBDS_SQL_2				
Survey										
MD (ustf)	Inc (°)	Azi (azimuth) (°)	TVD (ustf)	N/S (ustf)	E/W (ustf)	V. Sec (ustf)	CL (ustf)	CL Azi (°)	DLeg (°/100ft)	
5,270.00	1.10	36.16	5,264.34	5.48	171.76	5.48	95.00	39.86	0.15	
5,365.00	1.10	35.28	5,359.33	6.96	172.83	6.96	95.00	35.72	0.02	
5,460.00	1.10	41.30	5,454.31	8.39	173.95	8.39	95.00	38.29	0.12	
5,555.00	1.10	45.00	5,549.29	9.72	175.20	9.72	95.00	43.15	0.07	
5,649.00	1.01	42.32	5,643.28	10.97	176.40	10.97	94.00	43.72	0.11	
5,744.00	0.90	41.30	5,738.26	12.15	177.45	12.15	95.00	41.84	0.12	
5,839.00	0.90	50.90	5,833.25	13.18	178.52	13.18	95.00	46.10	0.16	
5,934.00	0.90	53.50	5,928.24	14.10	179.70	14.10	95.00	52.20	0.04	
6,029.00	0.90	58.10	6,023.23	14.93	180.94	14.93	95.00	55.80	0.08	
6,124.00	0.90	59.50	6,118.22	15.71	182.21	15.71	95.00	58.80	0.02	
6,218.00	0.80	64.00	6,212.21	16.37	183.44	16.37	94.00	61.62	0.13	
6,313.00	0.70	47.30	6,307.20	17.05	184.46	17.05	95.00	56.21	0.25	
6,408.00	0.80	50.60	6,402.19	17.87	185.40	17.87	95.00	49.06	0.11	
6,503.00	0.70	63.50	6,497.18	18.55	186.43	18.55	95.00	56.62	0.21	
6,598.00	0.60	53.70	6,592.17	19.10	187.35	19.10	95.00	58.98	0.16	
6,693.00	0.70	66.10	6,687.17	19.63	188.28	19.63	95.00	60.38	0.18	
6,788.00	0.70	73.70	6,782.16	20.03	189.37	20.03	95.00	69.90	0.10	
6,883.00	0.80	63.10	6,877.15	20.49	190.52	20.49	95.00	68.05	0.18	
6,978.00	0.80	79.40	6,972.14	20.91	191.76	20.91	95.00	71.25	0.24	
7,073.00	0.80	83.80	7,067.14	21.11	193.07	21.11	95.00	81.60	0.06	
7,167.00	0.60	86.50	7,161.13	21.21	194.22	21.21	94.00	84.96	0.22	
7,262.00	1.30	77.60	7,256.11	21.47	195.77	21.47	95.00	80.41	0.75	
7,357.00	1.60	75.10	7,351.08	22.04	198.10	22.04	95.00	76.22	0.32	
7,452.00	1.40	72.20	7,446.05	22.74	200.49	22.74	95.00	73.75	0.23	
7,547.00	1.40	79.30	7,541.02	23.31	202.73	23.31	95.00	75.75	0.18	
7,642.00	1.40	80.00	7,635.99	23.73	205.02	23.73	95.00	79.65	0.02	
7,737.00	1.70	53.00	7,730.96	24.78	207.28	24.78	95.00	65.17	0.82	



Wellbenders
End Of Well Report

Company: XTO Energy			Local Co-ordinate Reference:			Well #402H			
Project: Eddy County, NM (Nad-27 / East Zone)			TVD Reference:			RKB=30' @ 3105.00usft (Akita 90)			
Site: Nash Unit			MD Reference:			RKB=30' @ 3105.00usft (Akita 90)			
Well: #402H			North Reference:			Grid			
Wellbore: OH			Survey Calculation Method:			Minimum Curvature			
Design: OH			Database:			WBDS_SQL_2			
Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
7,832.00	1.70	50.90	7,825.92	26.51	209.50	26.51	95.00	51.95	0.07
7,926.00	1.60	54.10	7,919.88	28.16	211.65	28.16	94.00	52.45	0.14
8,021.00	2.30	55.50	8,014.82	30.02	214.29	30.02	95.00	54.93	0.74
8,116.00	3.60	57.80	8,109.70	32.69	218.39	32.69	95.00	56.90	1.37
8,210.00	3.40	67.90	8,203.52	35.31	223.47	35.31	94.00	62.71	0.69
8,305.00	3.10	72.10	8,298.37	37.16	228.52	37.16	95.00	69.90	0.40
8,400.00	2.90	72.90	8,393.24	38.65	233.26	38.65	95.00	72.49	0.22
8,495.00	2.90	71.40	8,488.12	40.13	237.84	40.13	95.00	72.15	0.08
8,589.00	3.40	57.30	8,581.98	42.39	242.44	42.39	94.00	63.79	0.98
8,683.00	2.70	51.00	8,675.84	45.29	246.50	45.29	94.00	54.51	0.82
8,779.00	2.20	73.50	8,771.76	47.24	250.03	47.24	96.00	61.09	1.12
8,872.00	1.40	127.80	8,864.72	47.05	252.64	47.05	93.00	94.15	1.92
8,966.00	0.40	198.50	8,958.71	46.03	253.44	46.03	94.00	141.64	1.41
9,061.00	0.60	194.30	9,053.70	45.24	253.21	45.24	95.00	195.98	0.21
9,155.00	0.70	170.50	9,147.70	44.19	253.19	44.19	94.00	181.47	0.30
9,249.00	0.80	32.00	9,241.69	44.18	253.63	44.18	94.00	91.27	1.49
9,343.00	0.80	44.20	9,335.68	45.21	254.43	45.21	94.00	38.10	0.18
9,352.00	0.80	44.20	9,344.68	45.30	254.52	45.30	9.00	44.20	0.00
Final Station Closure Distance= 258.52 /Direction= 79.91 - TD: Y= 471619.00 / X= 628600.42									
Design Annotations									
Measured Depth (usft)		Vertical Depth (usft)		Local Coordinates					
				+N/-S (usft)	+E/-W (usft)	Comment			
9,352.00	9,344.68	9,344.68		45.30	254.52	Final Station Closure Distance= 258.52 /Direction= 79.91			
9,352.00	9,344.68	9,344.68		45.30	254.52	TD: Y= 471619.00 / X= 628600.42			

HALLIBURTON

3950 Interwood S. Pkwy • Houston, TX 77032
PHONE 281.986.4400 • FAX 281.986.4499

State of New Mexico, Eddy County

I, Luis Rodriguez certify that I am employed by Halliburton Energy Services, Inc. (aka Sperry Drilling) and that on the dates of March 10, 2019 through April 7, 2019, I did conduct or supervise the taking of MWD directional surveys for the Nash Unit 402H well from a depth of 9,484' MD to a depth of 26,750' MD. This data is true, correct, complete and within the limitations of the tools as set forth by Halliburton Energy Services, Inc. (aka Sperry Drilling). I am authorized and qualified to make this report and these surveys were conducted at the request of XTO Energy Inc., for the Nash Unit 402H well in Eddy County. I have reviewed this report and find that it confirms to the principles and procedures as set forth by Halliburton Energy Services, Inc. (aka Sperry Drilling.)

Luis Rodriguez

Luis Rodriguez
Field Engineer

XTO Energy Inc.

Eddy County, NM (NAD27)

Nash Unit

402 H

Wellbore #1

Survey: Sperry MWD

Standard Survey Report

07 April, 2019

Halliburton

Survey Report

Company:	XTO Energy Inc.	Local Co-ordinate Reference:	Well 402 H
Project:	Eddy County, NM (NAD27)	TVD Reference:	GL+KB 30' @ 3105.00usft (Akita 90)
Site:	Nash Unit	MD Reference:	GL+KB 30' @ 3105.00usft (Akita 90)
Well:	402 H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.15 Single User Db

Project	Eddy County, NM (NAD27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Nash Unit		
Site Position:		Northing:	476,986.30 usft
From:	Map	Easting:	626,516.00 usft
Position Uncertainty:	5.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 18' 38.474 N
		Longitude:	103° 55' 25.770 W
		Grid Convergence:	0.22 °

Well	402 H		
Well Position	+N/-S	0.00 usft	Northing: 471,573.70 usft
	+E/-W	0.00 usft	Easting: 628,345.90 usft
Position Uncertainty	0.50 usft	Wellhead Elevation:	usft
		Latitude:	32° 17' 44.842 N
		Longitude:	103° 55' 4.691 W
		Ground Level:	3,075.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2000	12/3/2018	7.03	60.00	47,845.24702702

Design	Actual				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	359.83	

Survey Program	Date	4/7/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
226.00	9,422.00	Wellbender survey (Wellbore #1)	2_MWD	A001Mb/ISC4: BGGM declination correction only	
9,423.00	26,785.00	Sperry MWD (Wellbore #1)	2_MWD+AX	A003Mb/ISC4: BGGM dec & axial corrections	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,352.00	0.80	44.20	9,344.68	45.30	254.52	44.55	0.00	0.00	0.00	
9,484.00	0.68	109.02	9,476.67	45.71	255.90	44.95	0.61	-0.09	49.11	
9,578.00	0.78	107.37	9,570.67	45.33	257.04	44.57	0.11	0.11	-1.76	
9,673.00	0.64	103.62	9,665.66	45.02	258.18	44.25	0.16	-0.15	-3.95	
9,768.00	0.74	147.21	9,760.65	44.38	259.02	43.61	0.55	0.11	45.88	
9,815.00	0.37	349.88	9,807.65	44.27	259.16	43.50	2.32	-0.79	-334.74	
9,863.00	2.69	6.37	9,855.63	45.54	259.26	44.77	4.87	4.83	34.35	
9,910.00	5.48	15.07	9,902.51	48.81	259.96	48.03	6.06	5.94	18.51	
9,958.00	9.51	8.10	9,950.09	54.95	261.12	54.17	8.59	8.40	-14.52	
10,005.00	13.64	5.19	9,996.12	64.31	262.17	63.54	8.87	8.79	-6.19	

Halliburton

Survey Report

Company:	XTO Energy Inc.	Local Co-ordinate Reference:	Well 402 H
Project:	Eddy County, NM (NAD27)	TVD Reference:	GL+KB 30' @ 3105.00usft (Akita 90)
Site:	Nash Unit	MD Reference:	GL+KB 30' @ 3105.00usft (Akita 90)
Well:	402 H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,054.00	17.99	3.28	10,043.26	77.63	263.12	76.85	8.94	8.88	-3.90
10,101.00	22.40	4.95	10,087.36	93.80	264.31	93.02	9.46	9.38	3.55
10,148.00	26.03	359.76	10,130.22	113.05	265.04	112.26	8.95	7.72	-11.04
10,195.00	29.38	358.96	10,171.83	134.89	264.79	134.11	7.17	7.13	-1.70
10,243.00	30.60	2.61	10,213.40	158.87	265.13	158.09	4.57	2.54	7.60
10,290.00	31.50	6.63	10,253.67	183.02	267.10	182.23	4.81	1.91	8.55
10,338.00	35.89	3.47	10,293.60	209.54	269.40	208.74	9.85	9.15	-6.58
10,385.00	41.85	2.04	10,330.18	238.99	270.79	238.18	12.82	12.68	-3.04
10,433.00	47.33	0.85	10,364.35	272.66	271.62	271.85	11.55	11.42	-2.48
10,480.00	50.96	0.54	10,395.09	308.20	272.05	307.39	7.74	7.72	-0.66
10,528.00	55.89	1.16	10,423.68	346.73	272.63	345.92	10.32	10.27	1.29
10,575.00	59.60	0.39	10,448.76	386.47	273.16	385.65	8.01	7.89	-1.64
10,623.00	64.46	357.52	10,471.27	428.83	272.36	428.02	11.42	10.13	-5.98
10,670.00	70.83	357.81	10,489.14	472.24	270.60	471.44	13.57	13.55	0.62
10,718.00	76.10	359.17	10,502.79	518.22	269.39	517.42	11.31	10.98	2.83
10,765.00	81.40	358.03	10,511.96	564.29	268.26	563.49	11.52	11.28	-2.43
10,812.00	87.16	357.52	10,516.64	611.00	266.45	610.21	12.30	12.26	-1.09
10,859.00	88.00	357.88	10,518.63	657.92	264.56	657.13	1.94	1.79	0.77
10,907.00	89.57	357.11	10,519.65	705.86	262.46	705.08	3.64	3.27	-1.60
11,002.00	90.15	356.48	10,519.88	800.71	257.15	799.95	0.90	0.61	-0.66
11,097.00	91.60	358.47	10,518.43	895.60	252.97	894.85	2.59	1.53	2.09
11,192.00	91.79	357.91	10,515.62	990.51	249.97	989.77	0.62	0.20	-0.59
11,287.00	92.62	357.02	10,511.96	1,085.35	245.77	1,084.61	1.28	0.87	-0.94
11,382.00	90.83	358.31	10,509.10	1,180.22	241.90	1,179.50	2.32	-1.88	1.36
11,477.00	91.48	358.40	10,507.19	1,275.16	239.18	1,274.45	0.69	0.68	0.09
11,572.00	89.54	359.37	10,506.34	1,370.13	237.33	1,369.42	2.28	-2.04	1.02
11,666.00	90.86	358.71	10,506.01	1,464.12	235.75	1,463.41	1.57	1.40	-0.70
11,761.00	89.08	0.19	10,506.06	1,559.11	234.84	1,558.40	2.44	-1.87	1.56
11,856.00	89.82	0.13	10,506.98	1,654.10	235.11	1,653.40	0.78	0.78	-0.06
11,951.00	91.08	359.77	10,506.23	1,749.10	235.02	1,748.39	1.38	1.33	-0.38
12,046.00	89.94	1.71	10,505.38	1,844.08	236.25	1,843.37	2.37	-1.20	2.04
12,141.00	91.05	1.87	10,504.56	1,939.03	239.22	1,938.31	1.18	1.17	0.17
12,236.00	89.57	0.92	10,504.05	2,033.99	241.53	2,033.27	1.85	-1.56	-1.00
12,330.00	90.52	0.27	10,503.97	2,127.99	242.51	2,127.26	1.22	1.01	-0.69
12,425.00	88.21	0.32	10,505.03	2,222.97	243.00	2,222.24	2.43	-2.43	0.05
12,520.00	89.01	0.62	10,507.33	2,317.94	243.77	2,317.21	0.90	0.84	0.32
12,615.00	90.77	0.15	10,507.51	2,412.93	244.41	2,412.20	1.92	1.85	-0.49
12,710.00	91.98	359.72	10,505.23	2,507.91	244.31	2,507.17	1.35	1.27	-0.45
12,805.00	90.15	359.40	10,503.47	2,602.88	243.58	2,602.15	1.96	-1.93	-0.34
12,900.00	88.55	359.13	10,504.55	2,697.86	242.36	2,697.13	1.71	-1.68	-0.28
12,995.00	89.32	358.57	10,506.31	2,792.83	240.45	2,792.10	1.00	0.81	-0.59
13,089.00	90.62	358.36	10,506.36	2,886.79	237.93	2,886.07	1.40	1.38	-0.22
13,184.00	90.52	358.32	10,505.42	2,981.75	235.18	2,981.04	0.11	-0.11	-0.04

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Survey Report

Company:	XTO Energy Inc.	Local Co-ordinate Reference:	Well 402 H
Project:	Eddy County, NM (NAD27)	TVD Reference:	GL+KB 30' @ 3105.00usft (Akita 90)
Site:	Nash Unit	MD Reference:	GL+KB 30' @ 3105.00usft (Akita 90)
Well:	402 H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,279.00	88.52	359.44	10,506.21	3,076.72	233.32	3,076.01	2.41	-2.11	1.18
13,374.00	89.63	0.02	10,507.75	3,171.70	232.88	3,171.00	1.32	1.17	0.61
13,469.00	91.17	359.02	10,507.08	3,266.69	232.08	3,265.99	1.93	1.62	-1.05
13,564.00	89.75	0.33	10,506.32	3,361.69	231.54	3,360.98	2.03	-1.49	1.38
13,659.00	90.59	0.61	10,506.04	3,456.68	232.32	3,455.98	0.93	0.88	0.29
13,754.00	91.35	0.74	10,504.43	3,551.66	233.44	3,550.95	0.81	0.80	0.14
13,849.00	90.40	1.35	10,502.98	3,646.63	235.17	3,645.92	1.19	-1.00	0.64
13,944.00	91.97	1.83	10,501.01	3,741.57	237.81	3,740.85	1.73	1.65	0.51
14,039.00	90.06	0.73	10,499.33	3,836.53	239.93	3,835.80	2.32	-2.01	-1.16
14,080.00	89.07	359.87	10,499.64	3,877.52	240.14	3,876.80	3.20	-2.41	-2.10
14,175.00	88.70	359.22	10,501.49	3,972.50	239.39	3,971.78	0.79	-0.39	-0.68
14,269.00	87.90	359.78	10,504.28	4,066.46	238.57	4,065.73	1.04	-0.85	0.60
14,363.00	86.60	359.11	10,508.79	4,160.34	237.66	4,159.62	1.56	-1.38	-0.71
14,457.00	86.04	359.76	10,514.82	4,254.14	236.74	4,253.42	0.91	-0.60	0.69
14,551.00	90.49	359.03	10,517.67	4,348.07	235.74	4,347.35	4.80	4.73	-0.78
14,646.00	92.91	359.74	10,514.85	4,443.01	234.72	4,442.30	2.65	2.55	0.75
14,740.00	93.03	359.75	10,509.98	4,536.89	234.31	4,536.17	0.13	0.13	0.01
14,835.00	93.09	0.07	10,504.91	4,631.75	234.16	4,631.04	0.34	0.06	0.34
14,929.00	92.96	0.47	10,499.95	4,725.62	234.60	4,724.90	0.45	-0.14	0.43
15,023.00	90.43	0.83	10,497.17	4,819.56	235.67	4,818.84	2.72	-2.69	0.38
15,117.00	88.70	0.89	10,497.88	4,913.55	237.08	4,912.82	1.84	-1.84	0.06
15,211.00	88.39	0.63	10,500.27	5,007.51	238.32	5,006.78	0.43	-0.33	-0.28
15,306.00	89.69	2.81	10,501.86	5,102.45	241.17	5,101.71	2.67	1.37	2.29
15,400.00	91.11	0.70	10,501.20	5,196.39	244.05	5,195.64	2.71	1.51	-2.24
15,494.00	90.74	358.80	10,499.69	5,290.37	243.64	5,289.63	2.06	-0.39	-2.02
15,589.00	90.80	357.89	10,498.41	5,385.32	240.90	5,384.59	0.96	0.06	-0.96
15,683.00	90.19	355.27	10,497.60	5,479.14	235.29	5,478.42	2.86	-0.65	-2.79
15,777.00	90.25	355.51	10,497.24	5,572.84	227.74	5,572.14	0.26	0.06	0.26
15,871.00	91.54	358.12	10,495.77	5,666.67	222.51	5,665.99	3.10	1.37	2.78
15,966.00	91.98	359.73	10,492.85	5,761.61	220.73	5,760.93	1.76	0.46	1.69
16,037.00	91.30	0.71	10,490.82	5,832.58	221.01	5,831.90	1.68	-0.96	1.38
16,131.00	90.31	1.47	10,489.50	5,926.55	222.79	5,925.86	1.33	-1.05	0.81
16,225.00	89.75	0.33	10,489.45	6,020.54	224.27	6,019.84	1.35	-0.60	-1.21
16,321.00	89.88	359.38	10,489.76	6,116.53	224.03	6,115.84	1.00	0.14	-0.99
16,416.00	91.24	0.75	10,488.83	6,211.52	224.13	6,210.83	2.03	1.43	1.44
16,511.00	89.57	0.74	10,488.16	6,306.51	225.37	6,305.81	1.76	-1.76	-0.01
16,606.00	90.93	0.40	10,487.74	6,401.50	226.32	6,400.80	1.48	1.43	-0.36
16,701.00	89.94	357.70	10,487.02	6,496.48	224.74	6,495.78	3.03	-1.04	-2.84
16,795.00	91.05	359.96	10,486.21	6,590.45	222.82	6,589.76	2.68	1.18	2.40
16,890.00	89.94	358.59	10,485.39	6,685.43	221.62	6,684.74	1.86	-1.17	-1.44
16,985.00	90.06	1.44	10,485.39	6,780.42	221.64	6,779.73	3.00	0.13	3.00
17,080.00	89.32	2.16	10,485.90	6,875.37	224.63	6,874.68	1.09	-0.78	0.76
17,174.00	87.03	0.77	10,488.90	6,969.29	227.03	6,968.58	2.85	-2.44	-1.48

Halliburton

Survey Report

Company:	XTO Energy Inc.	Local Co-ordinate Reference:	Well 402 H
Project:	Eddy County, NM (NAD27)	TVD Reference:	GL+KB 30' @ 3105.00usft (Akita 90)
Site:	Nash Unit	MD Reference:	GL+KB 30' @ 3105.00usft (Akita 90)
Well:	402 H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,269.00	87.77	0.39	10,493.21	7,064.18	227.99	7,063.47	0.88	0.78	-0.40
17,388.00	90.80	3.05	10,494.69	7,183.09	231.56	7,182.38	3.39	2.55	2.24
17,483.00	90.62	2.67	10,493.51	7,277.97	236.30	7,277.24	0.44	-0.19	-0.40
17,578.00	91.54	0.68	10,491.72	7,372.91	239.08	7,372.16	2.31	0.97	-2.09
17,672.00	90.74	358.66	10,489.85	7,466.88	238.54	7,466.14	2.31	-0.85	-2.15
17,767.00	90.49	358.56	10,488.83	7,561.85	236.23	7,561.11	0.28	-0.26	-0.11
17,862.00	90.93	0.08	10,487.66	7,656.83	235.11	7,656.10	1.67	0.46	1.60
17,957.00	90.43	359.21	10,486.53	7,751.82	234.52	7,751.09	1.06	-0.53	-0.92
18,052.00	89.38	357.99	10,486.69	7,846.79	232.20	7,846.06	1.69	-1.11	-1.28
18,146.00	89.20	358.12	10,487.85	7,940.73	229.01	7,940.01	0.24	-0.19	0.14
18,241.00	90.62	359.16	10,488.00	8,035.70	226.75	8,034.99	1.85	1.49	1.09
18,336.00	90.37	358.94	10,487.18	8,130.68	225.18	8,129.97	0.35	-0.26	-0.23
18,431.00	90.25	359.02	10,486.67	8,225.66	223.48	8,224.96	0.15	-0.13	0.08
18,525.00	89.20	357.98	10,487.12	8,319.63	221.02	8,318.93	1.57	-1.12	-1.11
18,620.00	89.13	357.38	10,488.50	8,414.54	217.18	8,413.86	0.64	-0.07	-0.63
18,715.00	89.81	1.08	10,489.38	8,509.51	215.90	8,508.83	3.96	0.72	3.89
18,810.00	91.24	1.25	10,488.51	8,604.48	217.83	8,603.80	1.52	1.51	0.18
18,905.00	90.86	1.02	10,486.77	8,699.45	219.72	8,698.76	0.47	-0.40	-0.24
19,000.00	89.26	0.48	10,486.67	8,794.44	220.96	8,793.74	1.78	-1.68	-0.57
19,095.00	90.93	2.80	10,486.51	8,889.39	223.68	8,888.68	3.01	1.76	2.44
19,190.00	88.58	0.87	10,486.92	8,984.33	226.72	8,983.61	3.20	-2.47	-2.03
19,285.00	91.17	1.91	10,487.13	9,079.29	229.02	9,078.57	2.94	2.73	1.09
19,380.00	91.54	1.20	10,484.88	9,174.23	231.60	9,173.50	0.84	0.39	-0.75
19,475.00	89.26	359.60	10,484.22	9,269.21	232.26	9,268.48	2.93	-2.40	-1.68
19,570.00	89.69	359.50	10,485.09	9,364.21	231.52	9,363.48	0.46	0.45	-0.11
19,664.00	89.75	358.84	10,485.55	9,458.19	230.16	9,457.47	0.71	0.06	-0.70
19,759.00	89.14	357.75	10,486.47	9,553.15	227.33	9,552.43	1.31	-0.64	-1.15
19,854.00	89.38	357.66	10,487.69	9,648.06	223.53	9,647.36	0.27	0.25	-0.09
19,949.00	90.31	357.80	10,487.95	9,742.99	219.76	9,742.29	0.99	0.98	0.15
20,044.00	89.75	358.03	10,487.90	9,837.92	216.31	9,837.24	0.64	-0.59	0.24
20,139.00	89.20	358.31	10,488.77	9,932.87	213.27	9,932.19	0.65	-0.58	0.29
20,233.00	90.37	359.43	10,489.12	10,026.85	211.42	10,026.18	1.72	1.24	1.19
20,328.00	89.63	358.91	10,489.12	10,121.84	210.04	10,121.17	0.95	-0.78	-0.55
20,423.00	90.12	0.42	10,489.33	10,216.83	209.49	10,216.16	1.67	0.52	1.59
20,518.00	92.47	2.08	10,487.18	10,311.77	211.56	10,311.10	3.03	2.47	1.75
20,613.00	91.11	0.88	10,484.22	10,406.69	214.01	10,406.01	1.91	-1.43	-1.26
20,708.00	89.94	0.89	10,483.35	10,501.68	215.48	10,500.99	1.23	-1.23	0.01
20,803.00	89.07	2.10	10,484.17	10,596.64	217.96	10,595.94	1.57	-0.92	1.27
20,898.00	91.36	1.57	10,483.81	10,691.58	221.00	10,690.88	2.47	2.41	-0.56
20,993.00	90.37	0.97	10,482.38	10,786.54	223.10	10,785.84	1.22	-1.04	-0.63
21,087.00	90.37	0.17	10,481.77	10,880.54	224.04	10,879.82	0.85	0.00	-0.85
21,182.00	88.64	359.99	10,482.59	10,975.53	224.17	10,974.82	1.83	-1.82	-0.19
21,277.00	90.49	0.65	10,483.31	11,070.52	224.70	11,069.81	2.07	1.95	0.69
21,372.00	89.57	359.80	10,483.26	11,165.52	225.08	11,164.80	1.32	-0.97	-0.89

Halliburton

Survey Report

Company:	XTO Energy Inc.	Local Co-ordinate Reference:	Well 402 H
Project:	Eddy County, NM (NAD27)	TVD Reference:	GL+KB 30' @ 3105.00usft (Akita 90)
Site:	Nash Unit	MD Reference:	GL+KB 30' @ 3105.00usft (Akita 90)
Well:	402 H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
21,467.00	90.31	359.21	10,483.36	11,260.51	224.25	11,259.80	1.00	0.78	-0.62
21,562.00	90.43	358.68	10,482.75	11,355.50	222.51	11,354.79	0.57	0.13	-0.56
21,656.00	90.62	359.32	10,481.89	11,449.48	220.86	11,448.77	0.71	0.20	0.68
21,751.00	89.51	359.28	10,481.78	11,544.47	219.70	11,543.77	1.17	-1.17	-0.04
21,846.00	90.12	358.94	10,482.08	11,639.46	218.23	11,638.76	0.74	0.64	-0.36
21,941.00	89.88	359.77	10,482.08	11,734.45	217.16	11,733.75	0.91	-0.25	0.87
22,036.00	89.26	359.86	10,482.80	11,829.45	216.85	11,828.75	0.66	-0.65	0.09
22,131.00	88.08	359.28	10,485.00	11,924.41	216.14	11,923.72	1.38	-1.24	-0.61
22,226.00	90.12	359.03	10,486.49	12,019.39	214.74	12,018.70	2.16	2.15	-0.26
22,321.00	90.80	356.50	10,485.73	12,114.30	211.03	12,113.62	2.76	0.72	-2.66
22,416.00	91.05	357.08	10,484.20	12,209.14	205.72	12,208.48	0.66	0.26	0.61
22,511.00	89.69	357.63	10,483.59	12,304.04	201.33	12,303.38	1.54	-1.43	0.58
22,605.00	89.94	358.14	10,483.89	12,397.97	197.86	12,397.33	0.60	0.27	0.54
22,700.00	89.88	357.96	10,484.04	12,492.92	194.63	12,492.28	0.20	-0.06	-0.19
22,795.00	89.88	359.28	10,484.24	12,587.89	192.34	12,587.26	1.39	0.00	1.39
22,890.00	89.44	0.75	10,484.80	12,682.88	192.37	12,682.26	1.62	-0.46	1.55
22,985.00	90.37	2.44	10,484.96	12,777.84	195.01	12,777.21	2.03	0.98	1.78
23,080.00	90.93	2.06	10,483.88	12,872.76	198.74	12,872.11	0.71	0.59	-0.40
23,175.00	89.01	359.92	10,483.93	12,967.74	200.38	12,967.08	3.03	-2.02	-2.25
23,270.00	90.62	359.01	10,484.24	13,062.73	199.50	13,062.08	1.95	1.69	-0.96
23,365.00	91.30	357.82	10,482.65	13,157.68	196.87	13,157.03	1.44	0.72	-1.25
23,460.00	90.19	358.34	10,481.41	13,252.61	193.69	13,251.98	1.29	-1.17	0.55
23,555.00	89.38	358.75	10,481.77	13,347.58	191.27	13,346.95	0.96	-0.85	0.43
23,650.00	88.95	1.21	10,483.15	13,442.56	191.24	13,441.94	2.63	-0.45	2.59
23,745.00	89.75	2.12	10,484.23	13,537.51	194.00	13,536.88	1.28	0.84	0.96
23,839.00	92.10	3.19	10,482.71	13,631.39	198.35	13,630.74	2.75	2.50	1.14
23,934.00	88.58	1.24	10,482.15	13,726.30	202.02	13,725.64	4.24	-3.71	-2.05
24,029.00	90.56	2.27	10,482.86	13,821.25	204.93	13,820.58	2.35	2.08	1.08
24,124.00	91.24	2.72	10,481.37	13,916.15	209.07	13,915.46	0.86	0.72	0.47
24,219.00	91.73	3.28	10,478.91	14,010.98	214.04	14,010.29	0.78	0.52	0.59
24,313.00	90.56	0.23	10,477.03	14,104.91	216.92	14,104.20	3.47	-1.24	-3.24
24,408.00	90.62	359.89	10,476.05	14,199.90	217.02	14,199.20	0.36	0.06	-0.36
24,503.00	90.12	359.48	10,475.44	14,294.90	216.49	14,294.19	0.68	-0.53	-0.43
24,598.00	90.25	359.89	10,475.13	14,389.90	215.97	14,389.19	0.45	0.14	0.43
24,694.00	91.11	1.59	10,473.99	14,485.88	217.21	14,485.17	1.98	0.90	1.77
24,789.00	89.94	0.89	10,473.12	14,580.85	219.27	14,580.13	1.44	-1.23	-0.74
24,883.00	91.30	3.02	10,472.10	14,674.78	222.47	14,674.06	2.69	1.45	2.27
24,978.00	88.83	0.19	10,471.99	14,769.73	225.13	14,768.99	3.95	-2.60	-2.98
25,073.00	90.43	359.92	10,472.61	14,864.72	225.22	14,863.99	1.71	1.68	-0.28
25,168.00	91.91	359.54	10,470.67	14,959.70	224.78	14,958.96	1.61	1.56	-0.40
25,263.00	90.86	357.73	10,468.37	15,054.64	222.51	15,053.91	2.20	-1.11	-1.91
25,357.00	91.24	358.07	10,466.65	15,148.56	219.07	15,147.84	0.54	0.40	0.36
25,451.00	90.74	359.01	10,465.02	15,242.51	216.67	15,241.80	1.13	-0.53	1.00

Halliburton

Survey Report

Company:	XTO Energy Inc.	Local Co-ordinate Reference:	Well 402 H
Project:	Eddy County, NM (NAD27)	TVD Reference:	GL+KB 30' @ 3105.00usft (Akita 90)
Site:	Nash Unit	MD Reference:	GL+KB 30' @ 3105.00usft (Akita 90)
Well:	402 H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
25,546.00	88.89	359.07	10,465.33	15,337.49	215.08	15,336.79	1.95	-1.95	0.06	
25,636.00	86.97	358.24	10,468.58	15,427.41	212.97	15,426.71	2.32	-2.13	-0.92	
25,731.00	86.60	358.26	10,473.91	15,522.21	210.08	15,521.52	0.39	-0.39	0.02	
25,825.00	88.15	358.37	10,478.22	15,616.07	207.31	15,615.39	1.65	1.65	0.12	
25,920.00	90.12	358.63	10,479.65	15,711.02	204.83	15,710.34	2.09	2.07	0.27	
26,015.00	90.80	358.65	10,478.89	15,805.99	202.57	15,805.32	0.72	0.72	0.02	
26,110.00	91.24	358.93	10,477.20	15,900.95	200.57	15,900.29	0.55	0.46	0.29	
26,205.00	91.17	359.13	10,475.20	15,995.92	198.96	15,995.26	0.22	-0.07	0.21	
26,300.00	89.57	358.84	10,474.58	16,090.90	197.28	16,090.24	1.71	-1.68	-0.31	
26,394.00	90.37	358.44	10,474.63	16,184.87	195.05	16,184.22	0.95	0.85	-0.43	
26,489.00	90.74	358.56	10,473.71	16,279.84	192.56	16,279.19	0.41	0.39	0.13	
26,584.00	90.86	358.09	10,472.39	16,374.79	189.78	16,374.15	0.51	0.13	-0.49	
26,679.00	90.37	358.50	10,471.37	16,469.74	186.96	16,469.11	0.67	-0.52	0.43	
26,750.00	90.74	359.21	10,470.68	16,540.72	185.54	16,540.10	1.13	0.52	1.00	
26,785.00	90.74	359.21	10,470.23	16,575.71	185.06	16,575.09	0.00	0.00	0.00	
Projection to TD										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
26,785.00	10,470.23	16,575.71	185.06	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____