State of New Mexico
Energy, Minerals and Natural Resources Department

08/17/2020

Operator Notice Regarding

C-104 Denial and Request for Information

30-015-45504 NASH UNIT #402H

OCD is providing notice to operators that it will deny your C-104 – *Request for Allowable and Authorization to Transport* if it fails to provide complete and accurate information, including:

Test Allowable, New Well and Recompleted Well

Mark C-104 NW, 'AMENDED REPORT'

- ☐ C-103 (or BLM equivalent) for all casing strings
  - ☐ Spud Notice
  - ☐ Surface Casing
  - ☐ Intermediate Casing (if applicable)
  - ☐ Additional Intermediate Casing (if applicable)
  - ☐ Production Casing or Liner

Amend/Verify highlighted areas from attachments.

- ☐ Applicable Order (NSL, NSP, Other _____)
- ☐ Deviation Survey for Vertical Wells
- ☐ Directional Survey

  C-102 (As-Drilled Plat for Horizontal Well)

New Well and Recompleted Well Only

- ☐ C-103 Completion Sundry (or BLM equivalent)
- X☒ C-105 Completion Report (or BLM equivalent) *Missing BLM REVISED 3160-4 well completion report. Per Rules: 19.15.7.11 & 19.15.7.36*
- ☐ All Logs Run on Well

The sale or transport of product without an approved C-104 violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC. OCD determines that your C-104 is incomplete or inaccurate, it will give you notice to resubmit your C-104 within 30 days. Failure to comply with this notice may result in enforcement action.

If you have any questions, please contact the local OCD District Office.

Once Complete, re-submit through e docs asap. Thank you.

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

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

EMNRD-OCD ARTESIA
RECEIVED: 4/06/2020

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
XTO ENERGY INC. 6401 Holiday Hill Rd., Bldg 5 Midland, TX 79707	005380
	[3] Reason for Filing Code/ Effective Date NW

[4] API Number	[5] Pool Name	[6] Pool Code
30 – 015-45504	WC-015 G-05 S2333031K; WOLFCAMP	98241
[7] Property Code	**[8] Property Name**	**[9] Well Number**
303152	NASH UNIT	402H

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
B	19	23S	30E		660	North	1905	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
2	6	23S	30E		9	North	1668	East	Eddy

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
F	F				

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
151618	Enterprise Field Services LLC	G
248440	Western Refining Co LLC	O

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
2/21/19	02/14/20	26785	26776	11070-26675	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
24	18.625	383	790
17.5	13.375	3225	2520
12.25	9.625	9412	3065
8.75 to 14113 8.5 to TD	5.5	26778	4085
	2.875	9973	

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
02/15/20	02/15/20	03/20/20	24 hrs	580	713
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
	1765	5993	3285		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: Cheryl Rowell

Printed name: CHERYL ROWELL

Title: REGULATORY COORDINATOR

E-mail Address: CHERYL_ROWELL@XTOENERGY.COM

Date: 04/01/20

Phone: 432-218-3754

OIL CONSERVATION DIVISION

Approved by: DENIED

Title:

Approval Date:

Please refer to page 1 of the attachments

"Ms. Rowell, overall everything is great! Just now need that one approved BLM 3160-4 Well Completion Report and re-submit the entire packet. Thank you, Molly B."

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	[2] Pool Code	[3] Pool Name
30-015-45504	98241	WC-015 G-05 S2333031K;WOLFCAMP

[4] Property Code	[5] Property Name	[6] Well Number
303152	NASH UNIT	402H

[7] OGRID No.	[8] Operator Name	[9] Elevation
005380	XTO ENERGY, INC.	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

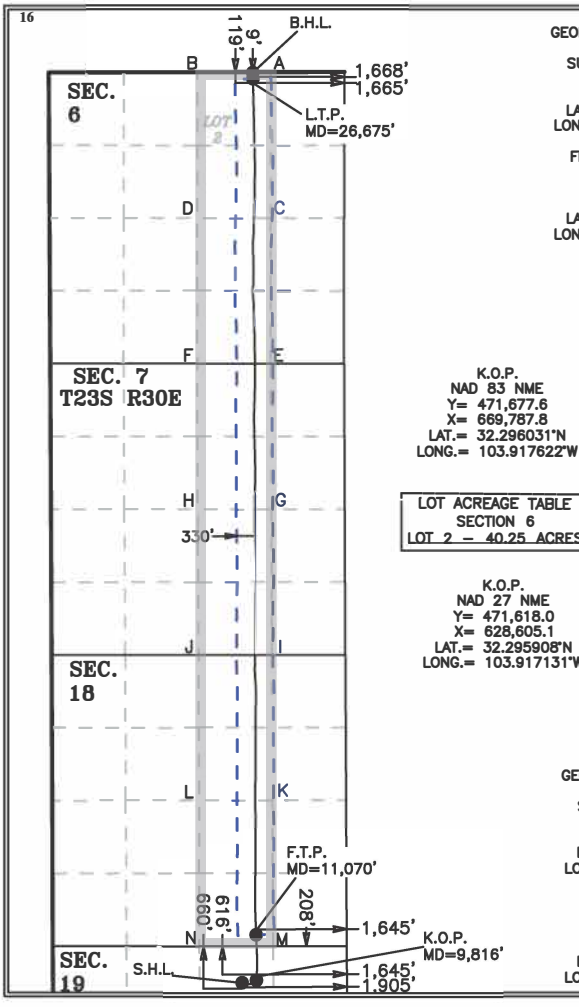
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	6	23 S	30 E		9	NORTH	1,668	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
480.25			

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]



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

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

CORNER COORDINATES TABLE
NAD 83 NME
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

K.O.P.
NAD 83 NME
Y= 471,677.6
X= 669,787.8
LAT.= 32.296031'N
LONG.= 103.917622'W

LOT ACREAGE TABLE
SECTION 6
LOT 2 – 40.25 ACRES

K.O.P.
NAD 27 NME
Y= 471,618.0
X= 628,605.1
LAT.= 32.295908'N
LONG.= 103.917131'W

CORNER COORDINATES TABLE
NAD 27 NME
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

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 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

[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.

Melanie Collins 4/01/2020
Signature Date

Melanie Collins
Printed Name

melanie_collins@xtoenergy.com
E-mail Address

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

3-11-2020
Date of Survey

Signatue and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number JC 2019083005

RWP 7/24/2020

P:\PROJECTS\2019\2019083005-XTO-NASH_UNIT_402H-EDDY\DWG\2019083005-XTO-NASH_UNIT_402H_AS-DRILLED.dwg

Intent [ ] As Drilled [X]

API #
30-015-45500

Operator Name:	Property Name:	Well Number
XTO ENERGY, INC.	NASH UNIT	301H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	19	23S	30E		90	NORTH	580	EAST	EDDY

Latitude	Longitude	NAD
32.296437	103.913025	83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	18	23S	30E		299	SOUTH	362	EAST	EDDY

Latitude	Longitude	NAD
32.298539	103.913476	83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	6	23S	30E		1145	SOUTH	381	EAST	EDDY

Latitude	Longitude	NAD
32.330029	103.913548	83

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

Is this well an infill well? [X]

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:	Property Name:	Well Number
XTO Energy, Inc.	NASH UNIT	201H

KZ 06/29/2018

Received 04/07/2020
NMOCD District 2

WELLBENDERS
DIRECTIONAL SERVICES LLC

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)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site Nash Unit

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

Well #402H

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

Wellbore OH

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

Design OH

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	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

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)
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
317.00	1.00	57.00	316.99	1.11	1.54	1.11	91.00	55.57	0.66
448.00	0.88	78.90	447.97	1.93	3.48	1.93	131.00	67.24	0.29
539.00	0.79	82.80	538.96	2.14	4.79	2.14	91.00	80.74	0.12
679.00	0.79	78.70	678.95	2.45	6.70	2.45	140.00	80.75	0.04
721.00	0.88	82.70	720.95	2.55	7.30	2.55	42.00	80.81	0.26
819.00	1.01	74.90	818.93	2.87	8.88	2.87	98.00	78.53	0.19
913.00	1.32	80.70	912.91	3.26	10.75	3.26	94.00	78.19	0.35
1,008.00	1.32	82.10	1,007.89	3.59	12.91	3.59	95.00	81.40	0.03
1,103.00	1.41	83.50	1,102.86	3.87	15.16	3.87	95.00	82.82	0.10
1,198.00	1.41	80.90	1,197.83	4.19	17.47	4.19	95.00	82.20	0.07
1,292.00	1.49	78.40	1,291.80	4.62	19.81	4.62	94.00	79.62	0.11
1,387.00	1.80	76.60	1,386.76	5.21	22.47	5.21	95.00	77.42	0.33
1,482.00	1.89	77.80	1,481.71	5.89	25.46	5.89	95.00	77.21	0.10
1,577.00	2.20	75.90	1,576.65	6.66	28.76	6.66	95.00	76.78	0.33
1,672.00	2.42	75.00	1,671.58	7.63	32.46	7.63	95.00	75.43	0.23
1,766.00	2.81	76.20	1,765.48	8.69	36.62	8.69	94.00	75.64	0.42
1,861.00	2.81	76.90	1,860.36	9.77	41.15	9.77	95.00	76.55	0.04
1,956.00	2.99	78.30	1,955.24	10.80	45.84	10.80	95.00	77.62	0.20
2,051.00	3.21	78.80	2,050.10	11.82	50.87	11.82	95.00	78.56	0.23
2,146.00	3.21	91.80	2,144.96	12.26	56.14	12.26	95.00	85.30	0.76
2,240.00	3.21	110.10	2,238.81	11.27	61.24	11.27	94.00	100.95	1.09
2,334.00	4.09	133.00	2,332.62	8.08	66.17	8.08	94.00	122.95	1.79
2,403.00	5.01	132.10	2,401.41	4.38	70.20	4.38	69.00	132.50	1.34
2,523.00	6.11	126.50	2,520.84	-2.93	79.23	-2.93	120.00	129.02	1.02
2,618.00	6.90	126.70	2,615.23	-9.35	87.86	-9.35	95.00	126.61	0.83

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)
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

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)
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

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)	Local Coordinates +E/-W (usft)	Comment
9,352.00	9,344.68	45.30	254.52	Final Station Closure Distance= 258.52 /Direction= 79.91
9,352.00	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 Rodriquez
Field Engineer

Received 04/07/2020
NMOCD District 2

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

Well 402 H

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

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

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

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

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

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)	Local Coordinates +E/-W (usft)	Comment
26,785.00	10,470.23	16,575.71	185.06	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

EMNRD-OCD ARTESIA
RECEIVED: 4/06/2020

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMNM17056

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator: XTO ENERGY
Contact: MELANIE COLLINS
E-Mail: Melanie_Collins@xtoenergy.com

8. Lease Name and Well No.: NASH UNIT 402H

3. Address: 6401 HOLIDAY HILL RD BLDG 5, MIDLAND, TX 79707
3a. Phone No. (include area code): Ph: 432-218-3709

9. API Well No.: 30-015-45504

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: Sec 19 T23S R30E Mer NMP NWNE 660FNL 1905FEL 32.295912 N Lat, 103.918461 W Lon
At top prod interval reported below: Sec 18 T23S R30E Mer NMP SWSE 208FSL 1645FEL 32.298297 N Lat, 103.917628 W Lon
At total depth: Sec 6 T23S R30E Mer NMP NWNE 9FNL 1668FEL 32.341474 N Lat, 103.917656 W Lon

10. Field and Pool, or Exploratory: WILDCAT WOLFCAMP

11. Sec., T., R., M., or Block and Survey or Area: Sec 19 T23S R30E Mer NMP

12. County or Parish: EDDY

13. State: NM

14. Date Spudded: 02/21/2019

15. Date T.D. Reached: 04/06/2019

16. Date Completed ☐ D & A ☒ Ready to Prod. 02/14/2020

17. Elevations (DF, KB, RT, GL)*: 3105 GL

18. Total Depth: MD 26785 TVD 10470

19. Plug Back T.D.: MD 26776 TVD 10470

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
RC/GR/CCL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
24.000	18.625 J55	87.5	0	383		790	191	0	70
17.500	13.375 HCL80	68.0	0	3225		2520	792	0	200
12.250	9.625 HCL80	40.0	0	9412	3327	3065	864	0	52
8.500	5.500 CYP110	23.0	0	26778		4085	1071	7400	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	9973	9991						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11070	26675	11070 TO 26675	4.000	3744	ACTIVE, PRODUCING
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
11070 TO 26675	1,628,712 BBLS OF FLUID, 39,254,770 LBS PROPPANT

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/15/2020	03/20/2020	24	→	1765.0	3285.0	5993.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
	580	713.0	→	1765	3285	5993		POW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #509411 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTLER	40	430		RUSTLER	40
TOP OF SALT	430	3070		TOP OF SALT	430
BASE OF SALT	3070	3441		BASE OF SALT	3070
DELAWARE	3441	7155		DELAWARE	3358
BONE SPRING	7155	10406		BONE SPRING	7161
WOLFCAMP	10406	10470		WOLFCAMP	10493

32. Additional remarks (include plugging procedure):
Drill 8.75 inch hole to 14113.

KOP 9816 ft.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #509411 Verified by the BLM Well Information System.
For XTO ENERGY, sent to the Carlsbad

Name *(please print)* MELANIE COLLINS Title REGULATORY ANALYST

Signature (Electronic Submission) Date 04/02/2020

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

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