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District II
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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

NMOCD - Rec'd 10/2/2020

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 30-015-45496	² Pool Code 96526	³ Pool Name FORTY NINER RIDGE BONE SPRING, WEST
⁴ Property Code 303152	⁵ Property Name NASH UNIT	⁶ Well Number 203H
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		610	NORTH	1,905	EAST	EDDY

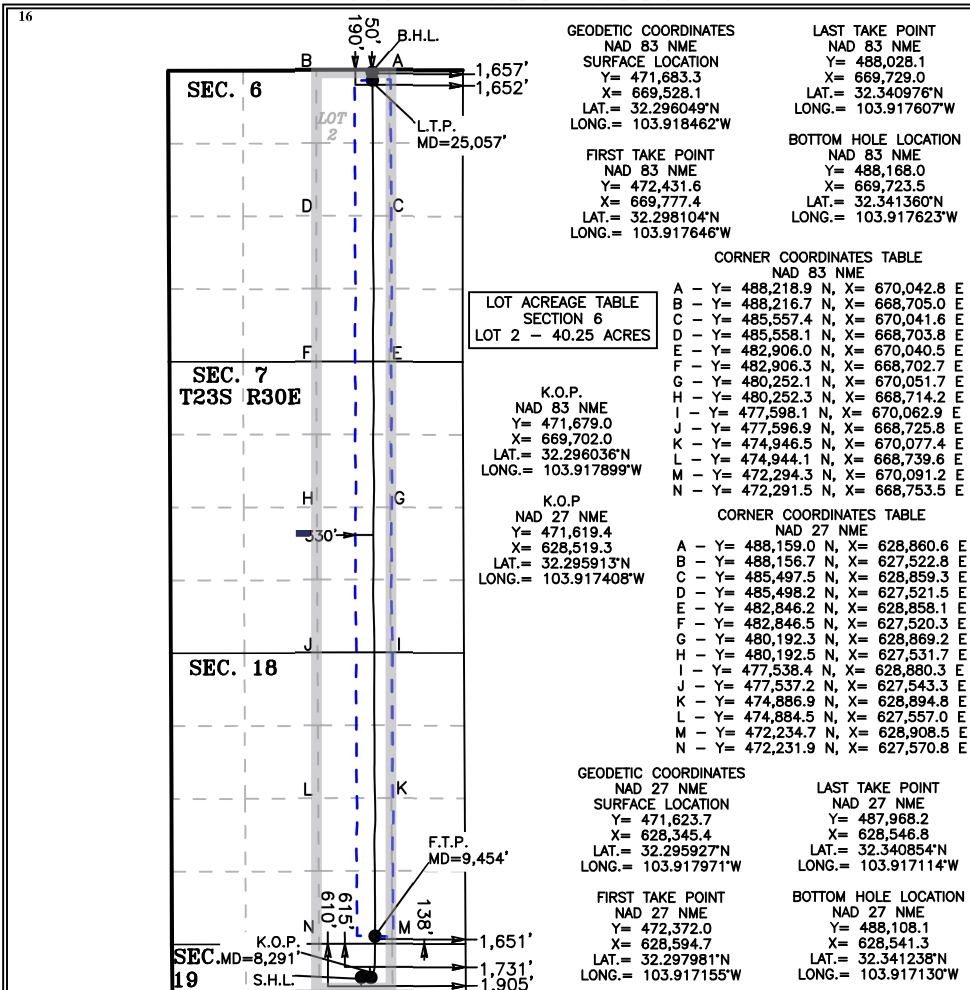
¹¹ Bottom Hole Location If Different From Surface

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		50	NORTH	1,657	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



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.

Cheryl Rowell 3/18/20
Signature Date

Cheryl Rowell
Printed Name

cheryl_rowell@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

Signature and Seal of
Professional Surveyor:

MARK DILLON HARP 23786
Certificate Number



JC

2019083002

Intent ☐ As Drilled ☐ Yes

API # 30-015-45496			
Operator Name: XTO ENERGY INC.		Property Name: NASH UNIT	Well Number 203H

Kick Off Point (KOP)

UL B	Section 19	Township 23S	Range 30E	Lot	Feet 615	From N/S FNL	Feet 1731	From E/W FEL	County EDDY
Latitude 32.296036					Longitude 103.917899				NAD 83

First Take Point (FTP)

UL O	Section 18	Township 23S	Range 30E	Lot	Feet 138	From N/S FSL	Feet 1651	From E/W FEL	County EDDY
Latitude 32.298104					Longitude 103.917646				NAD 83

Last Take Point (LTP)

UL B	Section 6	Township 23S	Range 30E	Lot	Feet 190	From N/S FNL	Feet 1652	From E/W FEL	County EDDY
Latitude 32.340976					Longitude 103.917607				NAD 83

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

Is this well an infill well? ☐

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

API #			
Operator Name:		Property Name:	Well Number

KZ 06/29/2018

HALLIBURTON

DIRECTIONAL SURVEY REPORT

XTO Energy Inc.
Nash Unit - 203H - Wellbore #1
Eddy County
Eddy New Mexico
USA

MO-XX-0905333299

LAST SURVEY IS A PROJECTION TO THE BIT

SURVEYS CALCULATED USING SHORT COLLAR METHOD.

WELL ASSUMED VERTICAL AT WELLHEAD

SURVEYS FROM 199' MD TO 7242' MD PROVIDED BY WELL BENDER

SURVEYS FROM 7338' MD TO TD PROVIDED BY SPERRY DRILLING.

SPERRY DRILLING ENGINEERS:KENNETH OTALORA /

<i>Measured Depth (feet)</i>	<i>Inclination (degrees)</i>	<i>Direction (degrees)</i>	<i>Vertical Depth (feet)</i>	<i>Latitude (feet)</i>	<i>Departure (feet)</i>	<i>Vertical Section (feet)</i>	<i>Dogleg (deg/100ft)</i>
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	TIE-IN
199.00	0.00	12.00	199.00	0.00 N	0.00 E	0.00	0.00
308.00	0.60	359.00	308.00	0.57 N	0.01 W	0.57	0.55
448.00	1.92	1.95	447.96	3.65 N	0.06 E	3.65	0.94
539.00	0.70	1.50	538.94	5.73 N	0.12 E	5.73	1.34
625.00	0.70	5.80	624.93	6.77 N	0.19 E	6.77	0.06
715.00	0.70	5.20	714.92	7.87 N	0.30 E	7.87	0.01
806.00	0.70	5.90	805.92	8.98 N	0.40 E	8.97	0.01
908.00	0.80	10.60	907.91	10.30 N	0.60 E	10.29	0.12
1002.00	0.90	10.30	1001.90	11.67 N	0.85 E	11.66	0.11
1097.00	1.00	12.80	1096.88	13.21 N	1.17 E	13.21	0.11
1192.00	1.20	16.10	1191.87	14.97 N	1.63 E	14.97	0.22
1283.00	1.40	5.90	1282.84	16.99 N	2.01 E	16.99	0.34
1377.00	1.70	14.30	1376.81	19.49 N	2.47 E	19.48	0.40
1471.00	2.10	15.90	1470.76	22.50 N	3.28 E	22.49	0.43
1567.00	2.40	20.00	1566.68	26.08 N	4.45 E	26.06	0.35
1661.00	2.90	22.80	1660.58	30.12 N	6.05 E	30.10	0.55
1755.00	3.20	24.30	1754.45	34.70 N	8.05 E	34.68	0.33
1849.00	1.90	9.20	1848.35	38.63 N	9.38 E	38.60	1.55
1946.00	1.60	353.50	1945.31	41.56 N	9.48 E	41.53	0.58
2039.00	1.60	345.50	2038.27	44.11 N	9.01 E	44.08	0.24
2140.00	3.10	337.80	2139.19	48.00 N	7.63 E	47.98	1.51
2235.00	0.80	320.00	2234.12	50.89 N	6.23 E	50.87	2.47
2329.00	0.60	299.50	2328.12	51.64 N	5.38 E	51.62	0.34
2419.00	0.06	315.90	2418.12	51.90 N	4.94 E	51.89	0.60
2513.00	0.07	263.00	2512.12	51.93 N	4.84 E	51.92	0.06
2608.00	2.30	206.40	2607.09	50.22 N	3.94 E	50.20	2.38
2702.00	1.20	177.60	2701.05	47.54 N	3.14 E	47.53	1.46
2799.00	1.30	173.00	2798.02	45.44 N	3.32 E	45.43	0.15
2893.00	1.80	175.20	2891.99	42.91 N	3.57 E	42.90	0.54
2992.00	2.50	169.20	2990.92	39.24 N	4.11 E	39.22	0.74
3081.00	3.10	172.90	3079.81	34.94 N	4.77 E	34.93	0.70
3159.00	2.10	174.30	3157.73	31.43 N	5.17 E	31.41	1.28
3275.00	3.20	173.80	3273.60	26.09 N	5.73 E	26.07	0.95
3370.00	1.70	168.70	3368.52	22.07 N	6.29 E	22.06	1.59
3465.00	1.80	167.60	3463.47	19.23 N	6.89 E	19.21	0.11
3560.00	1.70	162.80	3558.43	16.43 N	7.63 E	16.41	0.19
3655.00	1.20	145.30	3653.40	14.27 N	8.61 E	14.24	0.70
3750.00	1.30	145.10	3748.37	12.57 N	9.79 E	12.54	0.11
3845.00	1.20	141.30	3843.35	10.91 N	11.03 E	10.87	0.14

Nash Unit - 203H - Wellbore #1

Measured Depth (feet)	Inclination (degrees)	Direction (degrees)	Vertical Depth (feet)	Latitude (feet)	Departure (feet)	Vertical Section (feet)	Dogleg (deg/100ft)
3936.00	1.40	147.70	3934.33	9.22 N	12.22 E	9.19	0.27
4034.00	1.50	140.30	4032.30	7.22 N	13.68 E	7.18	0.22
4129.00	1.50	141.60	4127.26	5.29 N	15.25 E	5.25	0.04
4224.00	1.60	144.10	4222.23	3.24 N	16.80 E	3.19	0.13
4319.00	1.70	146.80	4317.19	0.99 N	18.35 E	0.94	0.13
4414.00	1.60	144.00	4412.15	1.26 S	19.90 E	-1.32	0.14
4509.00	1.80	146.90	4507.11	3.58 S	21.49 E	-3.65	0.23
4603.00	1.90	146.20	4601.06	6.12 S	23.16 E	-6.19	0.11
4698.00	1.70	141.30	4696.01	8.52 S	24.92 E	-8.60	0.27
4793.00	1.90	138.10	4790.97	10.80 S	26.85 E	-10.88	0.24
4888.00	1.80	139.10	4885.92	13.10 S	28.88 E	-13.18	0.11
4983.00	1.90	139.30	4980.87	15.42 S	30.89 E	-15.51	0.11
5078.00	1.80	140.90	5075.82	17.77 S	32.85 E	-17.87	0.12
5173.00	1.90	141.60	5170.77	20.16 S	34.77 E	-20.27	0.11
5265.00	2.00	140.00	5262.71	22.59 S	36.75 E	-22.70	0.12
5362.00	1.80	111.70	5359.66	24.45 S	39.26 E	-24.56	0.98
5459.00	2.10	108.80	5456.61	25.58 S	42.35 E	-25.71	0.33
5554.00	2.20	98.20	5551.54	26.40 S	45.81 E	-26.54	0.43
5648.00	2.10	86.40	5645.47	26.55 S	49.31 E	-26.70	0.48
5743.00	2.10	76.90	5740.41	26.05 S	52.74 E	-26.21	0.37
5835.00	2.20	70.60	5832.35	25.08 S	56.05 E	-25.25	0.28
5933.00	2.20	73.70	5930.27	23.93 S	59.63 E	-24.11	0.12
6028.00	2.30	73.10	6025.20	22.86 S	63.21 E	-23.05	0.11
6123.00	2.20	76.50	6120.13	21.88 S	66.80 E	-22.08	0.18
6218.00	2.20	78.50	6215.06	21.09 S	70.36 E	-21.30	0.08
6312.00	2.20	77.80	6308.99	20.35 S	73.89 E	-20.57	0.03
6407.00	2.20	75.20	6403.92	19.50 S	77.44 E	-19.73	0.11
6502.00	2.40	77.70	6498.84	18.61 S	81.15 E	-18.85	0.24
6597.00	2.50	76.50	6593.76	17.70 S	85.10 E	-17.96	0.12
6693.00	2.30	75.80	6689.67	16.74 S	89.01 E	-17.01	0.21
6787.00	2.30	82.80	6783.60	16.04 S	92.71 E	-16.32	0.30
6882.00	2.40	78.30	6878.52	15.40 S	96.55 E	-15.69	0.22
6977.00	2.30	79.20	6973.44	14.64 S	100.37 E	-14.94	0.11
7072.00	2.30	84.60	7068.36	14.10 S	104.14 E	-14.41	0.23
7167.00	2.20	81.30	7163.29	13.65 S	107.84 E	-13.97	0.17
7242.00	2.10	78.60	7238.23	13.16 S	110.61 E	-13.49	0.19
7338.00	2.12	74.95	7334.17	12.35 S	114.05 E	-12.69	0.14
7433.00	3.29	80.43	7429.06	11.44 S	118.44 E	-11.79	1.26
7528.00	3.23	90.66	7523.91	11.02 S	123.80 E	-11.39	0.61
7623.00	2.72	89.16	7618.78	11.02 S	128.73 E	-11.40	0.54
7717.00	4.16	83.81	7712.61	10.62 S	134.35 E	-11.01	1.57
7812.00	4.84	89.75	7807.31	10.23 S	141.78 E	-10.65	0.87
7907.00	3.83	89.38	7902.04	10.17 S	148.97 E	-10.62	1.06
8002.00	3.41	85.89	7996.85	9.94 S	154.96 E	-10.40	0.50
8097.00	3.16	70.81	8091.70	8.87 S	160.25 E	-9.35	0.94
8192.00	4.28	71.44	8186.50	6.88 S	166.09 E	-7.38	1.18
8223.00	4.87	72.87	8217.40	6.13 S	168.44 E	-6.63	1.95
8249.00	4.67	75.45	8243.31	5.54 S	170.53 E	-6.04	1.13
8296.00	5.27	63.97	8290.13	4.11 S	174.32 E	-4.63	2.46
8344.00	9.49	41.15	8337.73	0.16 S	178.91 E	-0.69	10.55
8391.00	14.52	34.15	8383.69	7.64 N	184.77 E	7.09	11.12
8439.00	18.80	29.96	8429.67	19.33 N	192.01 E	18.76	9.25
8486.00	21.55	27.49	8473.78	33.55 N	199.78 E	32.95	6.13
8533.00	25.46	23.48	8516.88	50.48 N	207.79 E	49.86	8.98
8580.00	28.52	19.79	8558.75	70.31 N	215.62 E	69.67	7.43

Nash Unit - 203H - Wellbore #1

Measured Depth (feet)	Inclination (degrees)	Direction (degrees)	Vertical Depth (feet)	Latitude (feet)	Departure (feet)	Vertical Section (feet)	Dogleg (deg/100ft)
8628.00	30.60	17.14	8600.50	92.77 N	223.10 E	92.11	5.11
8675.00	33.67	13.52	8640.30	116.87 N	229.67 E	116.19	7.71
8723.00	35.44	10.10	8679.84	143.52 N	235.23 E	142.82	5.47
8770.00	37.60	7.18	8717.61	171.16 N	239.41 E	170.45	5.90
8818.00	39.88	4.11	8755.05	201.05 N	242.34 E	200.33	6.21
8865.00	41.90	2.47	8790.58	231.76 N	244.10 E	231.04	4.88
8912.00	44.34	0.94	8824.88	263.87 N	245.04 E	263.14	5.63
8959.00	47.37	359.69	8857.61	297.59 N	245.22 E	296.86	6.74
9007.00	51.71	359.62	8888.75	334.10 N	245.00 E	333.37	9.03
9054.00	55.26	359.89	8916.72	371.87 N	244.84 E	371.14	7.57
9102.00	59.68	0.11	8942.52	412.33 N	244.84 E	411.60	9.21
9149.00	63.80	0.03	8964.77	453.72 N	244.88 E	452.99	8.78
9197.00	68.60	0.51	8984.13	497.63 N	245.09 E	496.90	10.04
9244.00	72.46	1.27	8999.79	541.93 N	245.78 E	541.19	8.35
9292.00	76.20	0.85	9012.75	588.13 N	246.64 E	587.39	7.84
9338.00	79.59	0.43	9022.39	633.09 N	247.14 E	632.36	7.42
9386.00	83.32	1.11	9029.52	680.55 N	247.78 E	679.81	7.89
9433.00	86.14	1.39	9033.84	727.33 N	248.80 E	726.59	6.02
9481.00	89.41	1.23	9035.70	775.28 N	249.90 E	774.53	6.83
9528.00	90.83	1.04	9035.60	822.27 N	250.83 E	821.52	3.05
9576.00	92.09	1.11	9034.37	870.24 N	251.73 E	869.49	2.63
9671.00	91.76	359.77	9031.18	965.18 N	252.46 E	964.43	1.45
9765.00	90.83	358.87	9029.06	1059.15 N	251.35 E	1058.40	1.37
9860.00	89.57	358.97	9028.72	1154.13 N	249.56 E	1153.39	1.34
9955.00	91.70	359.33	9027.67	1249.11 N	248.15 E	1248.37	2.27
10050.00	89.54	359.11	9026.65	1344.09 N	246.85 E	1343.35	2.28
10145.00	88.62	359.35	9028.18	1439.07 N	245.57 E	1438.33	1.00
10240.00	90.12	359.50	9029.23	1534.06 N	244.61 E	1533.32	1.60
10335.00	89.35	0.34	9029.66	1629.05 N	244.48 E	1628.32	1.20
10430.00	87.32	0.08	9032.42	1724.01 N	244.83 E	1723.27	2.15
10525.00	88.55	0.34	9035.84	1818.94 N	245.18 E	1818.21	1.32
10620.00	90.09	0.49	9036.97	1913.93 N	245.87 E	1913.19	1.63
10715.00	87.19	358.84	9039.22	2008.89 N	245.32 E	2008.15	3.52
10810.00	88.06	358.60	9043.15	2103.78 N	243.19 E	2103.05	0.94
10905.00	89.54	358.44	9045.14	2198.73 N	240.73 E	2198.00	1.57
10999.00	91.26	357.64	9044.49	2292.67 N	237.51 E	2291.95	2.02
11094.00	91.73	359.62	9042.01	2387.60 N	235.24 E	2386.89	2.13
11189.00	90.43	1.81	9040.22	2482.57 N	236.43 E	2481.86	2.68
11284.00	89.97	3.82	9039.89	2577.45 N	241.10 E	2576.72	2.17
11378.00	88.61	2.97	9041.05	2671.27 N	246.67 E	2670.53	1.71
11473.00	88.89	1.93	9043.12	2766.16 N	250.73 E	2765.41	1.13
11568.00	91.57	2.20	9042.74	2861.09 N	254.15 E	2860.32	2.83
11663.00	90.06	359.45	9041.38	2956.06 N	255.51 E	2955.29	3.30
11758.00	91.17	358.61	9040.36	3051.04 N	253.90 E	3050.27	1.46
11853.00	92.74	358.11	9037.11	3145.94 N	251.19 E	3145.18	1.74
11948.00	91.94	358.66	9033.23	3240.82 N	248.52 E	3240.07	1.03
12043.00	89.60	358.64	9031.95	3335.78 N	246.28 E	3335.04	2.46
12138.00	91.33	358.87	9031.18	3430.75 N	244.21 E	3430.01	1.84
12233.00	93.52	358.74	9027.16	3525.64 N	242.24 E	3524.91	2.31
12327.00	92.37	358.27	9022.33	3619.48 N	239.80 E	3618.75	1.32
12422.00	91.97	359.37	9018.73	3714.39 N	237.85 E	3713.67	1.23
12517.00	90.92	0.37	9016.33	3809.36 N	237.63 E	3808.64	1.52
12612.00	88.46	0.96	9016.84	3904.34 N	238.73 E	3903.62	2.66
12707.00	90.46	0.63	9017.73	3999.33 N	240.04 E	3998.60	2.13
12802.00	89.51	0.56	9017.76	4094.32 N	241.02 E	4093.59	1.01

Nash Unit - 203H - Wellbore #1

Measured Depth (feet)	Inclination (degrees)	Direction (degrees)	Vertical Depth (feet)	Latitude (feet)	Departure (feet)	Vertical Section (feet)	Dogleg (deg/100ft)
12897.00	88.92	359.83	9019.06	4189.31 N	241.35 E	4188.57	0.98
12991.00	90.92	359.95	9019.19	4283.30 N	241.17 E	4282.57	2.13
13039.00	92.35	359.52	9017.82	4331.28 N	240.95 E	4330.55	3.10
13134.00	92.10	359.18	9014.13	4426.20 N	239.87 E	4425.47	0.44
13229.00	92.31	359.52	9010.47	4521.13 N	238.79 E	4520.40	0.42
13324.00	90.92	359.67	9007.80	4616.09 N	238.12 E	4615.36	1.47
13419.00	88.37	359.53	9008.38	4711.07 N	237.46 E	4710.35	2.69
13513.00	87.87	359.66	9011.47	4805.02 N	236.79 E	4804.30	0.55
13609.00	89.72	359.11	9013.49	4900.99 N	235.76 E	4900.27	2.01
13704.00	89.87	358.64	9013.83	4995.97 N	233.90 E	4995.25	0.52
13798.00	87.81	359.23	9015.73	5089.93 N	232.15 E	5089.22	2.28
13893.00	86.02	359.27	9020.84	5184.78 N	230.91 E	5184.07	1.88
13988.00	85.87	359.84	9027.56	5279.54 N	230.17 E	5278.83	0.62
14083.00	85.99	0.42	9034.30	5374.30 N	230.39 E	5373.59	0.62
14178.00	86.26	0.92	9040.72	5469.07 N	231.50 E	5468.36	0.60
14273.00	87.11	1.75	9046.22	5563.89 N	233.71 E	5563.17	1.25
14349.00	90.28	3.04	9047.95	5639.79 N	236.88 E	5639.06	4.50
14444.00	92.50	359.98	9045.64	5734.71 N	239.39 E	5733.98	3.98
14539.00	94.78	0.28	9039.61	5829.51 N	239.60 E	5828.78	2.42
14634.00	94.48	359.35	9031.94	5924.20 N	239.30 E	5923.47	1.03
14729.00	93.30	359.51	9025.50	6018.98 N	238.35 E	6018.24	1.25
14824.00	91.14	358.64	9021.82	6113.89 N	236.82 E	6113.16	2.45
14919.00	89.66	357.64	9021.16	6208.83 N	233.74 E	6208.11	1.88
15013.00	91.11	359.56	9020.52	6302.79 N	231.44 E	6302.08	2.56
15108.00	91.30	359.68	9018.53	6397.77 N	230.81 E	6397.06	0.24
15203.00	90.13	358.53	9017.34	6492.75 N	229.33 E	6492.04	1.73
15298.00	91.30	358.31	9016.15	6587.70 N	226.71 E	6587.00	1.25
15393.00	88.95	358.08	9015.95	6682.65 N	223.71 E	6681.95	2.49
15488.00	89.29	357.53	9017.41	6777.57 N	220.08 E	6776.88	0.68
15583.00	88.43	358.89	9019.30	6872.50 N	217.11 E	6871.82	1.69
15677.00	89.51	359.33	9020.99	6966.47 N	215.65 E	6965.80	1.24
15772.00	90.83	359.90	9020.70	7061.47 N	215.01 E	7060.80	1.51
15867.00	90.92	359.75	9019.25	7156.45 N	214.72 E	7155.78	0.18
15962.00	88.98	1.37	9019.34	7251.44 N	215.65 E	7250.77	2.66
16057.00	89.14	2.33	9020.90	7346.38 N	218.71 E	7345.70	1.02
16152.00	90.49	2.21	9021.20	7441.30 N	222.48 E	7440.61	1.43
16247.00	89.10	359.93	9021.54	7536.27 N	224.25 E	7535.58	2.81
16342.00	89.78	359.09	9022.47	7631.27 N	223.44 E	7630.57	1.14
16437.00	90.83	359.05	9021.96	7726.25 N	221.90 E	7725.56	1.11
16531.00	89.01	359.05	9022.10	7820.23 N	220.34 E	7819.54	1.94
16626.00	89.44	359.55	9023.38	7915.22 N	219.18 E	7914.53	0.69
16721.00	90.89	359.38	9023.11	8010.21 N	218.29 E	8009.53	1.54
16816.00	89.17	359.53	9023.06	8105.20 N	217.39 E	8104.52	1.82
16911.00	90.06	359.75	9023.70	8200.20 N	216.79 E	8199.52	0.97
17006.00	89.08	1.40	9024.41	8295.19 N	217.74 E	8294.50	2.02
17101.00	89.94	1.67	9025.22	8390.15 N	220.29 E	8389.46	0.95
17196.00	90.77	1.60	9024.63	8485.11 N	223.00 E	8484.41	0.88
17291.00	89.72	1.14	9024.23	8580.08 N	225.27 E	8579.37	1.21
17386.00	90.71	1.45	9023.87	8675.05 N	227.42 E	8674.34	1.09
17481.00	89.75	1.01	9023.49	8770.03 N	229.46 E	8769.31	1.11
17576.00	90.28	1.09	9023.46	8865.01 N	231.20 E	8864.28	0.56
17671.00	90.18	0.44	9023.08	8960.00 N	232.47 E	8959.27	0.69
17765.00	89.66	358.97	9023.21	9054.00 N	231.98 E	9053.27	1.66
17860.00	89.01	358.10	9024.32	9148.96 N	229.55 E	9148.23	1.14
17955.00	90.90	357.93	9024.39	9243.89 N	226.26 E	9243.18	2.00

Nash Unit - 203H - Wellbore #1

Measured Depth (feet)	Inclination (degrees)	Direction (degrees)	Vertical Depth (feet)	Latitude (feet)	Departure (feet)	Vertical Section (feet)	Dogleg (deg/100ft)
18050.00	89.08	357.94	9024.41	9338.83 N	222.84 E	9338.13	1.92
18144.00	89.23	357.82	9025.79	9432.75 N	219.36 E	9432.06	0.20
18239.00	87.81	358.69	9028.25	9527.68 N	216.47 E	9526.99	1.75
18299.00	87.96	359.05	9030.46	9587.62 N	215.29 E	9586.94	0.65
18394.00	88.58	359.51	9033.33	9682.57 N	214.09 E	9681.89	0.81
18488.00	89.69	359.40	9034.75	9776.55 N	213.20 E	9775.88	1.19
18583.00	90.13	0.98	9034.90	9871.55 N	213.51 E	9870.87	1.73
18678.00	90.18	1.76	9034.64	9966.52 N	215.79 E	9965.84	0.82
18773.00	90.13	1.86	9034.38	10061.47 N	218.79 E	10060.78	0.12
18868.00	90.00	1.51	9034.28	10156.43 N	221.58 E	10155.73	0.39
18963.00	89.20	0.41	9034.94	10251.42 N	223.17 E	10250.71	1.43
19058.00	91.18	1.15	9034.63	10346.40 N	224.46 E	10345.69	2.23
19153.00	90.87	0.90	9032.93	10441.37 N	226.16 E	10440.65	0.42
19248.00	90.68	359.80	9031.64	10536.36 N	226.74 E	10535.64	1.18
19342.00	89.94	358.54	9031.13	10630.34 N	225.38 E	10629.63	1.55
19437.00	89.82	357.87	9031.33	10725.30 N	222.41 E	10724.59	0.72
19532.00	89.87	357.82	9031.59	10820.23 N	218.83 E	10819.53	0.07
19627.00	89.69	357.98	9031.95	10915.17 N	215.35 E	10914.48	0.25
19722.00	89.87	359.85	9032.32	11010.14 N	213.55 E	11009.46	1.98
19817.00	89.82	0.25	9032.58	11105.14 N	213.64 E	11104.46	0.42
19911.00	90.56	0.17	9032.26	11199.14 N	213.98 E	11198.46	0.79
20006.00	90.62	359.84	9031.29	11294.14 N	213.99 E	11293.45	0.35
20101.00	90.37	0.20	9030.46	11389.13 N	214.02 E	11388.45	0.46
20196.00	89.82	0.46	9030.31	11484.13 N	214.57 E	11483.44	0.64
20291.00	90.43	358.35	9030.10	11579.12 N	213.58 E	11578.43	2.31
20386.00	90.06	359.22	9029.69	11674.10 N	211.57 E	11673.42	1.00
20481.00	90.00	0.27	9029.64	11769.09 N	211.15 E	11768.41	1.11
20576.00	90.25	1.22	9029.44	11864.08 N	212.38 E	11863.40	1.03
20671.00	89.75	1.32	9029.44	11959.06 N	214.49 E	11958.37	0.54
20765.00	89.57	1.81	9029.99	12053.02 N	217.05 E	12052.33	0.56
20860.00	90.06	2.07	9030.30	12147.97 N	220.27 E	12147.26	0.58
20955.00	90.25	1.17	9030.04	12242.93 N	222.96 E	12242.21	0.97
21050.00	90.31	1.06	9029.58	12337.91 N	224.80 E	12337.19	0.13
21145.00	90.18	359.84	9029.17	12432.90 N	225.55 E	12432.18	1.29
21240.00	89.94	359.13	9029.07	12527.90 N	224.70 E	12527.18	0.79
21335.00	90.18	359.00	9028.97	12622.89 N	223.15 E	12622.17	0.29
21430.00	90.31	359.07	9028.57	12717.87 N	221.55 E	12717.16	0.16
21525.00	90.37	359.08	9028.00	12812.86 N	220.01 E	12812.15	0.06
21620.00	89.94	358.90	9027.75	12907.84 N	218.34 E	12907.14	0.49
21715.00	89.94	359.12	9027.85	13002.83 N	216.70 E	13002.13	0.23
21809.00	90.18	358.90	9027.75	13096.81 N	215.07 E	13096.12	0.35
21905.00	89.94	359.00	9027.65	13192.80 N	213.31 E	13192.11	0.27
22000.00	89.75	359.47	9027.91	13287.79 N	212.04 E	13287.10	0.53
22094.00	90.06	0.14	9028.06	13381.79 N	211.72 E	13381.10	0.79
22189.00	90.43	359.91	9027.66	13476.79 N	211.77 E	13476.10	0.46
22284.00	90.49	0.55	9026.89	13571.78 N	212.15 E	13571.09	0.68
22379.00	90.87	0.66	9025.76	13666.77 N	213.15 E	13666.08	0.42
22474.00	90.49	1.06	9024.64	13761.75 N	214.58 E	13761.05	0.58
22568.00	90.37	0.99	9023.93	13855.73 N	216.26 E	13855.03	0.15
22663.00	90.31	359.82	9023.37	13950.73 N	216.93 E	13950.02	1.23
22758.00	90.13	359.76	9023.00	14045.73 N	216.58 E	14045.02	0.20
22853.00	89.94	359.78	9022.95	14140.73 N	216.20 E	14140.02	0.20
22948.00	90.37	0.02	9022.69	14235.73 N	216.03 E	14235.02	0.52
23043.00	90.43	0.47	9022.03	14330.72 N	216.44 E	14330.02	0.48
23138.00	90.43	359.87	9021.31	14425.72 N	216.72 E	14425.01	0.63

Measured Depth (feet)	Inclination (degrees)	Direction (degrees)	Vertical Depth (feet)	Latitude (feet)	Departure (feet)	Vertical Section (feet)	Dogleg (deg/100ft)
23233.00	90.13	359.36	9020.85	14520.71 N	216.08 E	14520.01	0.62
23328.00	89.87	358.98	9020.85	14615.70 N	214.71 E	14615.00	0.48
23423.00	89.94	358.65	9021.01	14710.68 N	212.74 E	14709.99	0.36
23518.00	90.25	359.44	9020.85	14805.67 N	211.16 E	14804.98	0.89
23612.00	90.18	0.09	9020.50	14899.67 N	210.77 E	14898.98	0.70
23708.00	90.06	359.99	9020.29	14995.67 N	210.84 E	14994.98	0.16
23803.00	89.87	0.04	9020.35	15090.67 N	210.86 E	15089.97	0.21
23896.00	89.87	359.54	9020.56	15183.67 N	210.52 E	15182.97	0.54
23991.00	89.38	358.96	9021.19	15278.66 N	209.28 E	15277.97	0.80
24086.00	90.74	358.59	9021.09	15373.63 N	207.25 E	15372.95	1.48
24180.00	91.11	359.55	9019.57	15467.61 N	205.72 E	15466.93	1.09
24276.00	90.62	0.15	9018.12	15563.59 N	205.47 E	15562.92	0.81
24370.00	90.31	0.24	9017.36	15657.59 N	205.79 E	15656.91	0.34
24465.00	90.31	0.93	9016.84	15752.58 N	206.76 E	15751.90	0.73
24560.00	89.87	0.98	9016.69	15847.57 N	208.35 E	15846.88	0.47
24655.00	89.75	359.99	9017.01	15942.56 N	209.15 E	15941.87	1.05
24749.00	89.63	359.31	9017.52	16036.56 N	208.58 E	16035.87	0.73
24844.00	89.38	358.82	9018.34	16131.54 N	207.03 E	16130.86	0.58
24939.00	89.32	358.30	9019.42	16226.51 N	204.64 E	16225.83	0.55
25033.00	89.75	358.69	9020.18	16320.47 N	202.17 E	16319.80	0.62
25128.00	88.82	357.51	9021.36	16415.41 N	199.02 E	16414.75	1.58
25144.00	88.70	357.43	9021.71	16431.39 N	198.31 E	16430.73	0.90
25197.00	88.70	357.43	9022.91	16484.32 N	195.94 E	16483.67	0.00

CALCULATION BASED ON MINIMUM CURVATURE METHOD

SURVEY COORDINATES RELATIVE TO WELL SYSTEM REFERENCE POINT
TVD VALUES GIVEN RELATIVE TO DRILLING MEASUREMENT POINT

VERTICAL SECTION RELATIVE TO WELL HEAD
VERTICAL SECTION IS COMPUTED ALONG A DIRECTION OF 359.83 DEGREES (GRID)
A TOTAL CORRECTION OF 6.79 DEG FROM MAGNETIC NORTH TO GRID NORTH HAS BEEN APPLIED

HORIZONTAL DISPLACEMENT IS RELATIVE TO THE WELL HEAD.
HORIZONTAL DISPLACEMENT(CLOSURE) AT 25197.00 FEET
IS 16485.49 FEET ALONG 0.68 DEGREES (GRID)

LAST SURVEY IS A PROJECTION TO THE BIT

SURVEYS CALCULATED USING SHORT COLLAR METHOD.
WELL ASSUMED VERTICAL AT WELLHEAD
SURVEYS FROM 199' MD TO 7242' MD PROVIDED BY WELL BENDER
SURVEYS FROM 7338' MD TO TD PROVIDED BY SPERRY DRILLING.
SPERRY DRILLING ENGINEERS:KENNETH OTALORA / DAVID SANFORD / GARRETT RUIZ



I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **01/20/19** thru **02/01/19** conduct or supervise the taking of a **MWD Survey** from a depth of **199'** to a depth of **7242'**; 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 203H** API No. **30-015-445496** 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:
2020.03.23
11:38:15 -05'00'

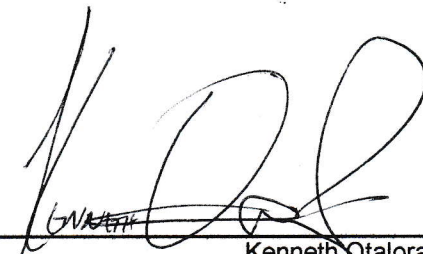
*13901 Hwy 105W, Conroe, Texas
77304
PH 936-539-9602*

HALLIBURTON

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

State of New Mexico, Eddy County

I, Kenneth Otolara certify that I am employed by Halliburton Energy Services, Inc. (aka Sperry Drilling) and that on the dates of February 04, 2019 through July 08, 2019, I did conduct or supervise the taking of MWD directional surveys for the 203H well from a depth of 7243' MD to a depth of 25144' 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 203H 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.)



Kenneth Otolara
Field Engineer