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District IV
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Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT AS-DRILLED PLAT

¹ API Number 30-015-46244	² Pool Code 97650	³ Pool Name WC Williams Sink; Bone Spring
⁴ Property Code 326062	⁵ Property Name BIG EDDY UNIT 30E REY	⁶ Well Number 102H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,452'

¹⁰ Surface Location

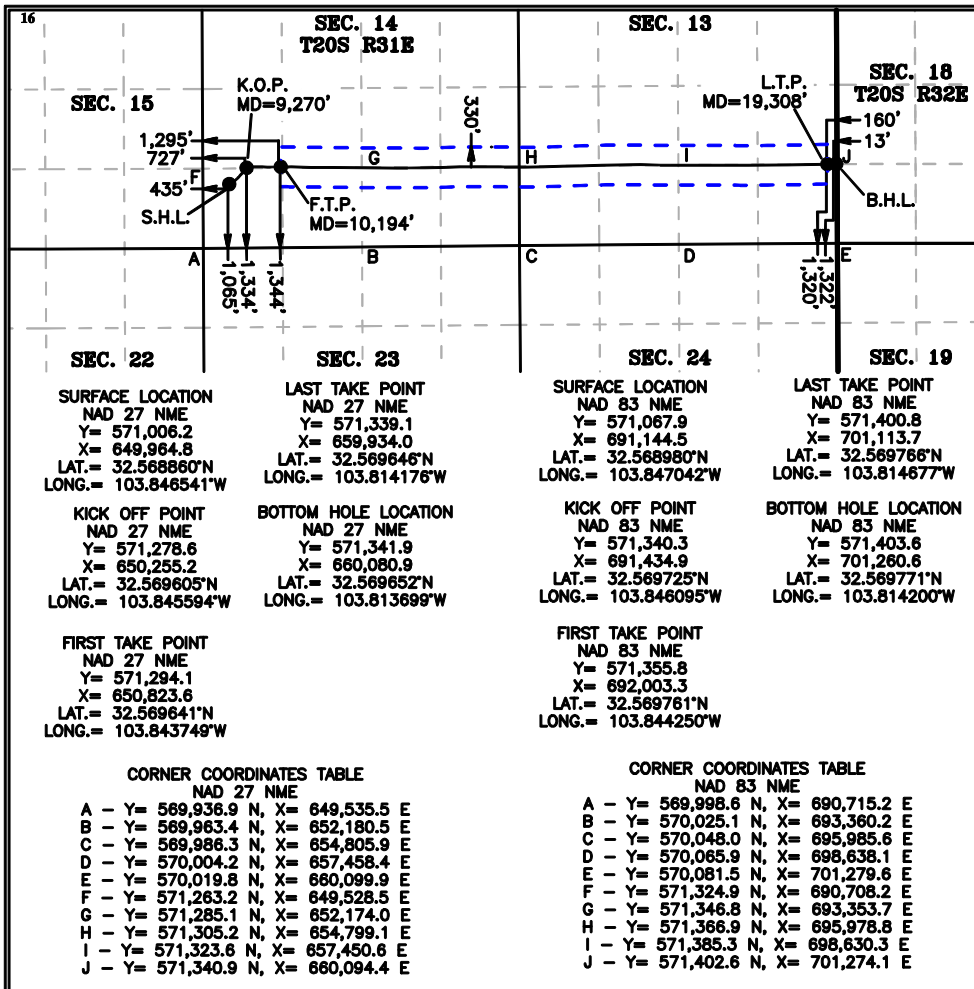
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	14	20 S	31 E		1,065	SOUTH	435	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	13	20 S	31 E		1,322	SOUTH	13	EAST	EDDY

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

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.
NOT: 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.

Tracie J. Cherry 08/18/20
Signature Date

Tracie J. Cherry

Printed Name

tracie_cherry@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.

7-22-2020

Date of Survey

Signature and Seal of
Professional Surveyor:

MARK DILLON HARP 23786
Certificate Number

JC

2019020394



HALLIBURTON

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

State of New Mexico, Eddy

I, Rodney Easley certify that I am employed by Halliburton Energy Services, Inc. (aka Sperry Drilling) and that on the dates of October 22, 2019 through November 14, 2019, I did conduct or supervise the taking of MWD directional surveys for the Big Eddy Unit 30E Rey 102H well from a depth of 147' MD to a depth of 10297' 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 Big Eddy Unit 30E Rey 102H well in Eddy. 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.)



Rodney Easley
Field Engineer

HALLIBURTON

DIRECTIONAL SURVEY REPORT

XTO Energy Inc.
Big Eddy Unit 30E Rey 102H
Eddy County, NM (NAD27)
Eddy New Mexico
USA
MO-XX-0906048320

SURVEYS FROM 147' MD TO 10365' MD PROVIDED BY HALLIBURTON SPERRY MWD.
THE LAST SURVEY IS A PROJECTION TO THE BIT.

HALLIBURTON SPERRY DRILLING ENGINEERS: RODNEY EASLEY, TYLER GRADY, CHAD HAGUE, and THIEN LE

Measured Depth (feet)	Inclination (degrees)	Direction (degrees)	Vertical Depth (feet)	Latitude (feet)	Departure (feet)	Vertical Section (feet)	Dogleg (deg/100ft)
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	TIE-IN
147.00	0.40	353.77	147.00	0.51 N	0.06 W	-0.04	0.27
203.00	0.10	302.77	203.00	0.73 N	0.12 W	-0.09	0.62
265.00	0.14	292.15	265.00	0.79 N	0.23 W	-0.21	0.07
356.00	0.13	306.69	356.00	0.89 N	0.42 W	-0.39	0.04
413.00	0.07	269.72	413.00	0.93 N	0.50 W	-0.47	0.15
503.00	0.46	171.57	503.00	0.58 N	0.51 W	-0.49	0.53
569.00	0.26	207.39	569.00	0.18 N	0.54 W	-0.53	0.44
661.00	0.44	147.40	660.99	0.31 S	0.44 W	-0.45	0.42
720.00	0.29	178.57	719.99	0.65 S	0.31 W	-0.34	0.42
776.00	0.14	145.86	775.99	0.85 S	0.27 W	-0.30	0.34
842.00	0.20	188.74	841.99	1.02 S	0.25 W	-0.28	0.20
932.00	0.38	144.13	931.99	1.42 S	0.09 W	-0.14	0.31
1021.00	0.31	101.20	1020.99	1.71 S	0.32 E	0.26	0.29
1111.00	0.15	36.52	1110.99	1.66 S	0.63 E	0.58	0.32
1200.00	0.19	10.65	1199.99	1.41 S	0.73 E	0.68	0.10
1290.00	0.49	339.69	1289.99	0.90 S	0.62 E	0.59	0.38
1380.00	0.70	310.27	1379.98	0.18 S	0.07 E	0.07	0.40
1469.00	0.61	249.62	1468.98	0.00 N	0.78 W	-0.78	0.74
1559.00	0.89	226.51	1558.97	0.64 S	1.73 W	-1.75	0.45
1648.00	0.83	194.25	1647.96	1.74 S	2.39 W	-2.45	0.54
1738.00	1.14	143.28	1737.95	3.09 S	2.01 W	-2.12	0.99
1827.00	1.89	113.64	1826.92	4.39 S	0.14 W	-0.29	1.19
1917.00	2.16	103.28	1916.86	5.38 S	2.87 E	2.68	0.50
2006.00	1.57	92.56	2005.81	5.82 S	5.72 E	5.52	0.76
2096.00	1.11	76.68	2095.79	5.67 S	7.80 E	7.61	0.65
2185.00	1.29	71.93	2184.77	5.16 S	9.60 E	9.42	0.23
2275.00	0.65	90.46	2274.76	4.85 S	11.07 E	10.90	0.79
2329.00	0.35	130.29	2328.76	4.96 S	11.50 E	11.33	0.81
2409.00	0.63	239.63	2408.75	5.34 S	11.31 E	11.12	1.02
2498.00	0.36	351.84	2497.75	5.31 S	10.85 E	10.66	0.94
2588.00	0.73	263.29	2587.75	5.10 S	10.24 E	10.06	0.90
2677.00	0.37	263.72	2676.74	5.20 S	9.39 E	9.20	0.41
2767.00	0.35	281.79	2766.74	5.17 S	8.83 E	8.65	0.13
2856.00	0.29	280.53	2855.74	5.07 S	8.34 E	8.16	0.07
2946.00	0.31	293.28	2945.74	4.94 S	7.89 E	7.72	0.08
3036.00	0.29	267.45	3035.74	4.85 S	7.44 E	7.27	0.15
3125.00	0.26	253.69	3124.74	4.92 S	7.02 E	6.85	0.08
3214.00	0.26	241.93	3213.74	5.07 S	6.65 E	6.47	0.06
3304.00	0.26	240.26	3303.74	5.27 S	6.29 E	6.11	0.01
3393.00	0.23	308.96	3392.74	5.26 S	5.98 E	5.79	0.31
3482.00	0.48	268.17	3481.73	5.15 S	5.46 E	5.29	0.38
3572.00	1.95	231.83	3571.71	6.11 S	3.88 E	3.67	1.77
3661.00	2.21	231.95	3660.65	8.11 S	1.34 E	1.07	0.29
3751.00	2.30	232.04	3750.58	10.29 S	1.45 W	-1.80	0.10
3840.00	2.52	231.58	3839.50	12.60 S	4.39 W	-4.82	0.25
3930.00	2.52	216.73	3929.42	15.42 S	7.12 W	-7.64	0.72
4019.00	2.68	202.25	4018.33	18.91 S	9.08 W	-9.72	0.76
4108.00	2.73	188.47	4107.25	21.87 S	10.22 W	-10.88	0.79
4197.00	2.73	188.47	4196.25	24.83 S	11.33 W	-12.00	0.81
4286.00	2.73	188.47	4285.25	27.79 S	12.44 W	-13.11	0.83
4375.00	2.73	188.47	4374.25	30.75 S	13.55 W	-14.22	0.85
4464.00	2.73	188.47	4463.25	33.71 S	14.66 W	-15.33	0.87
4553.00	2.73	188.47	4552.25	36.67 S	15.77 W	-16.44	0.89
4642.00	2.73	188.47	4641.25	39.63 S	16.88 W	-17.55	0.91
4731.00	2.73	188.47	4730.25	42.59 S	17.99 W	-18.66	0.93
4820.00	2.73	188.47	4819.25	45.55 S	19.10 W	-19.77	0.95
4909.00	2.73	188.47	4908.25	48.51 S	20.21 W	-20.88	0.97
5000.00	2.73	188.47	4999.25	51.47 S	21.32 W	-21.99	0.99
5090.00	2.73	188.47	5089.25	54.43 S	22.43 W	-23.10	1.01
5180.00	2.73	188.47	5179.25	57.39 S	23.54 W	-24.21	1.03
5270.00	2.73	188.47	5269.25	60.35 S	24.65 W	-25.32	1.05
5360.00	2.73	188.47	5359.25	63.31 S	25.76 W	-26.43	1.07
5450.00	2.73	188.47	5449.25	66.27 S	26.87 W	-27.54	1.09
5540.00	2.73	188.47	5539.25	69.23 S	27.98 W	-28.65	1.11
5630.00	2.73	188.47	5629.25	72.19 S	29.09 W	-29.76	1.13
5720.00	2.73	188.47	5719.25	75.15 S	30.20 W	-30.87	1.15
5810.00	2.73	188.47	5809.25	78.11 S	31.31 W	-31.98	1.17
5900.00	2.73	188.47	5899.25	81.07 S	32.42 W	-33.09	1.19
5990.00	2.73	188.47	5989.25	84.03 S	33.53 W	-34.20	1.21
6080.00	2.73	188.47	6079.25	86.99 S	34.64 W	-35.31	1.23
6170.00	2.73	188.47	6169.25	89.95 S	35.75 W	-36.42	1.25
6260.00	2.73	188.47	6259.25	92.91 S	36.86 W	-37.53	1.27
6350.00	2.73	188.47	6349.25	95.87 S	37.97 W	-38.64	1.29
6440.00	2.73	188.47	6439.25	98.83 S	39.08 W	-39.75	1.31
6530.00	2.73	188.47	6529.25	101.79 S	40.19 W	-40.86	1.33
6620.00	2.73	188.47	6619.25	104.75 S	41.30 W	-41.97	1.35
6710.00	2.73	188.47	6709.25	107.71 S	42.41 W	-43.08	1.37
6800.00	2.73	188.47	6799.25	110.67 S	43.52 W	-44.19	1.39
6890.00	2.73	188.47	6889.25	113.63 S	44.63 W	-45.30	1.41
6980.00	2.73	188.47	6979.25	116.59 S	45.74 W	-46.41	1.43
7070.00	2.73	188.47	7069.25	119.55 S	46.85 W	-47.52	1.45
7160.00	2.73	188.47	7159.25	122.51 S	47.96 W	-48.63	1.47
7250.00	2.73	188.47	7249.25	125.47 S	49.07 W	-49.74	1.49
7340.00	2.73	188.47	7339.25	128.43 S	50.18 W	-50.85	1.51
7430.00	2.73	188.47	7429.25	131.39 S	51.29 W	-51.96	1.53
7520.00	2.73	188.47	7519.25	134.35 S	52.40 W	-53.07	1.55
7610.00	2.73	188.47	7609.25	137.31 S	53.51 W	-54.18	1.57
7700.00	2.73	188.47	7699.25	140.27 S	54.62 W	-55.29	1.59
7790.00	2.73	188.47	7789.25	143.23 S	55.73 W	-56.40	1.61
7880.00	2.73	188.47	7879.25	146.19 S	56.84 W	-57.51	1.63
7970.00	2.73	188.47	7969.25	149.15 S	57.95 W	-58.62	1.65
8060.00	2.73	188.47	8059.25	152.11 S	59.06 W	-59.73	1.67
8150.00	2.73	188.47	8149.25	155.07 S	60.17 W	-60.84	1.69
8240.00	2.73	188.47	8239.25	158.03 S	61.28 W	-61.95	1.71
8330.00	2.73	188.47	8329.25	160.99 S	62.39 W	-63.06	1.73
8420.00	2.73	188.47	8419.25	163.95 S	63.50 W	-64.17	1.75
8510.00	2.73	188.47	8509.25	166.91 S	64.61 W	-65.28	1.77
8600.00	2.73	188.47	8599.25	169.87 S	65.72 W	-66.39	1.79
8690.00	2.73	188.47	8689.25	172.83 S	66.83 W	-67.50	1.81
8780.00	2.73	188.47	8779.25	175.79 S	67.94 W	-68.61	1.83
8870.00	2.73	188.47	8869.25	178.75 S	69.05 W	-69.72	1.85
8960.00	2.73	188.47	8959.25	181.71 S	70.16 W	-70.83	1.87
9050.00	2.73	188.47	9049.25	184.67 S	71.27 W	-71.94	1.89
9140.00	2.73	188.47	9139.25	187.63 S	72.38 W	-73.05	1.91
9230.00	2.73	188.47	9229.25	190.59 S	73.49 W	-74.16	1.93
9320.00	2.73	188.47	9319.25	193.55 S	74.60 W	-75.27	1.95
9410.00	2.73	188.47	9409.25	196.51 S	75.71 W	-76.38	1.97
9500.00	2.73	188.47	9499.25	199.47 S	76.82 W	-77.49	1.99
9590.00	2.73	188.47	9589.25	202.43 S	77.93 W	-78.60	2.01
9680.00	2.73	188.47	9679.25	205.39 S	79.04 W	-79.71	2.03
9770.00	2.73	188.47	9769.25	208.35 S	80.15 W	-80.82	2.05
98600.0							

4293.00	5.28	203.88	4202.89	27.78 S	11.03 W	-12.53	0.89
4293.00	2.27	171.34	4291.99	31.88 S	12.41 W	-13.48	2.01
4382.00	2.27	129.64	4380.93	34.75 S	10.78 W	-11.96	1.82
4471.00	2.72	101.76	4469.85	36.31 S	7.35 W	-8.58	1.44
4561.00	3.75	86.34	4559.70	36.56 S	2.32 W	-3.57	1.49
4650.00	4.87	75.17	4648.45	35.40 S	4.23 E	3.03	1.57
4740.00	5.76	62.90	4738.07	32.37 S	11.95 E	10.84	1.60
4829.00	6.64	49.57	4826.55	26.99 S	19.85 E	18.92	1.89
4919.00	7.46	42.96	4915.87	19.34 S	27.79 E	27.11	1.28
5008.00	7.93	40.31	5004.07	10.43 S	35.70 E	35.32	0.66
5098.00	8.11	39.43	5093.19	0.80 S	43.75 E	43.69	0.24
5187.00	7.84	40.14	5181.33	8.69 N	51.65 E	51.91	0.32
5277.00	8.13	43.71	5270.46	17.99 N	60.00 E	60.58	0.64
5366.00	7.71	43.88	5358.61	26.84 N	68.49 E	69.36	0.47
5455.00	7.84	42.43	5446.79	35.62 N	76.72 E	77.89	0.26
5544.00	8.46	42.25	5534.89	44.95 N	85.22 E	86.70	0.70
5633.00	8.76	43.82	5622.89	54.68 N	94.31 E	96.12	0.43
5723.00	8.20	45.95	5711.90	64.09 N	103.67 E	105.79	0.71
5812.00	7.80	44.54	5800.04	72.81 N	112.47 E	114.88	0.50
5902.00	8.09	46.99	5889.17	81.48 N	121.38 E	124.09	0.50
5991.00	8.14	45.99	5977.28	90.13 N	130.49 E	133.48	0.17
6081.00	8.40	45.40	6066.35	99.17 N	139.76 E	143.05	0.31
6170.00	8.27	44.16	6154.40	108.34 N	148.85 E	152.45	0.25
6260.00	8.18	43.69	6243.48	117.61 N	157.78 E	161.69	0.13
6349.00	8.01	41.91	6331.59	126.80 N	166.30 E	170.52	0.34
6439.00	7.94	41.66	6420.72	136.12 N	174.62 E	179.15	0.08
6528.00	7.80	39.50	6508.88	145.37 N	182.55 E	187.39	0.37
6618.00	7.94	39.25	6598.04	154.89 N	190.37 E	195.53	0.16
6707.00	7.88	39.54	6686.19	164.36 N	198.14 E	203.62	0.08
6797.00	7.40	38.90	6775.39	173.63 N	205.71 E	211.50	0.54
6886.00	7.32	45.01	6863.66	182.10 N	213.32 E	219.39	0.88
6976.00	7.35	44.54	6952.92	190.26 N	221.41 E	227.76	0.08
7065.00	7.47	42.72	7041.18	198.57 N	229.33 E	235.96	0.29
7155.00	7.55	46.36	7130.41	206.94 N	237.58 E	244.48	0.54
7244.00	7.12	48.46	7218.68	214.63 N	245.94 E	253.10	0.57
7334.00	6.80	46.68	7308.01	221.99 N	253.99 E	261.39	0.43
7423.00	7.30	43.59	7396.34	229.70 N	261.72 E	269.39	0.71
7513.00	7.32	41.88	7485.61	238.11 N	269.49 E	277.44	0.24
7602.00	6.16	41.41	7573.99	245.91 N	276.43 E	284.64	1.30
7692.00	4.85	35.73	7663.58	252.62 N	281.85 E	290.28	1.57
7781.00	4.15	30.98	7752.30	258.44 N	285.71 E	294.33	0.89
7871.00	3.86	40.45	7842.08	263.54 N	289.35 E	298.15	0.80
7961.00	2.78	39.54	7931.93	267.52 N	292.70 E	301.63	1.19
8050.00	1.58	24.53	8020.87	270.30 N	294.58 E	303.61	1.48
8140.00	1.08	0.21	8110.84	272.28 N	295.10 E	304.20	0.83
8229.00	1.04	265.08	8199.83	273.04 N	294.30 E	303.42	1.75
8319.00	0.46	277.61	8289.82	273.02 N	293.13 E	302.25	0.66
8408.00	0.66	232.53	8378.82	272.76 N	292.36 E	301.47	0.53
8498.00	0.28	207.53	8468.82	272.25 N	291.85 E	300.94	0.47
8588.00	0.57	348.41	8558.82	272.49 N	291.66 E	300.76	0.89
8677.00	0.71	298.26	8647.81	273.18 N	291.09 E	300.21	0.62
8767.00	0.79	330.80	8737.80	273.99 N	290.29 E	299.45	0.48
8856.00	1.02	302.80	8826.79	274.95 N	289.33 E	298.52	0.55
8946.00	0.34	244.73	8916.79	275.27 N	288.41 E	297.61	0.98
9035.00	0.37	147.38	9005.79	274.91 N	288.33 E	297.52	0.60
9125.00	0.87	131.65	9095.78	274.21 N	289.00 E	298.16	0.57
9214.00	0.65	160.13	9184.77	273.29 N	289.67 E	298.80	0.48
9255.00	1.47	155.12	9225.77	272.60 N	289.97 E	299.08	2.01
9287.00	3.20	105.71	9257.74	271.99 N	291.00 E	300.09	7.83
9331.00	9.92	79.73	9301.43	272.33 N	295.92 E	305.01	16.32
9376.00	15.18	75.10	9345.34	274.54 N	305.43 E	314.60	11.89
9421.00	18.32	75.26	9388.43	277.85 N	317.97 E	327.24	6.98
9466.00	20.74	83.07	9430.85	280.62 N	332.72 E	342.08	7.90
9511.00	23.16	86.33	9472.58	282.14 N	349.47 E	358.87	6.02
9555.00	27.38	83.80	9512.36	283.79 N	368.17 E	377.61	9.90
9600.00	30.42	82.61	9551.75	286.37 N	389.76 E	399.28	6.88
9645.00	31.42	83.03	9590.36	289.26 N	412.70 E	422.30	2.27
9690.00	35.63	87.38	9627.87	291.29 N	437.45 E	447.11	10.77
9735.00	39.51	91.26	9663.54	291.57 N	464.87 E	474.52	10.10
9779.00	45.00	93.13	9696.09	290.41 N	494.42 E	504.02	12.80

9914.00	57.07	92.73	9780.46	283.58 N	599.26 E	608.56	8.45
9958.00	59.36	89.10	9803.65	283.00 N	636.65 E	645.91	8.73
10003.00	62.63	87.54	9825.46	284.16 N	675.98 E	685.25	7.87
10048.00	67.98	87.81	9844.26	285.82 N	716.81 E	726.12	11.90
10093.00	73.80	88.94	9858.98	287.01 N	759.30 E	768.62	13.15
10136.00	80.30	89.84	9868.61	287.45 N	801.18 E	810.50	15.25
10182.00	87.87	89.58	9873.35	287.69 N	846.90 E	856.20	16.47
10227.00	90.06	90.00	9874.16	287.85 N	891.89 E	901.17	4.96
10272.00	88.52	90.55	9874.72	287.64 N	936.88 E	946.13	3.63
10297.00	88.46	90.98	9875.38	287.30 N	961.87 E	971.09	1.74
10365.00	88.46	90.98	9877.21	286.14 N	1029.84 E	1038.98	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 88.05 DEGREES (GRID)
A TOTAL CORRECTION OF 6.66 DEG FROM MAGNETIC NORTH TO GRID NORTH HAS BEEN APPLIED**

**HORIZONTAL DISPLACEMENT IS RELATIVE TO THE WELL HEAD.
HORIZONTAL DISPLACEMENT(CLOSURE) AT 10365.00 FEET
IS 1068.85 FEET ALONG 74.47 DEGREES (GRID)**

THE LAST SURVEY IS A PROJECTION TO THE BIT FROM SURVEY AT 10365' MD.

Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)



December 2, 2019

Oxy USA Inc
P.O. Box 4294
Houston, TX 77210-4294

Re:

S14, T20S, R31E Eddy, NM
N 32.56898 W -103.847139

CLIENT: XTO Permian Operating LLC
WELL: Big Eddy Unit 30E Rey 102H
FIELD: WC Williams Sink; Bone Spring

RIG: Precision 595
COUNTY: Eddy
API NO: 30-015-46244
JOB NO: 19MLE0363

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).
Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Steve Lewis	Big Eddy Unit 30E Rey 102H	10344.00 Ft	November 14, 2019 to	TeleScope
FS	Original Hole	19363.00 Ft	November 23, 2019	3rd Party Corrected

Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
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Schlumberger

Well Reference:
S14, T20S, R31E Eddy, NM
N 32.56898 W -103.847139

I, Steve Lewis certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of November 14, 2019 through November 23, 2019, conduct or supervise the taking of the TeleScope & 3rd Party Corrected surveys from a depth of 10344.00 feet to a depth of 19363.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Permian Operating LLC for the Big Eddy Unit 30E Rey 102H Well (Original Hole) API No. 30-015-46244 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By
Steve Lewis
FS

Steve Lewis

Subscribed and Sworn to before me this 2 day of December (month) 2019 (yr)

My Commission expires:

6/14/2023

Notary Public

Jean-Paul Langlois
Comanche, Oklahoma

(County State)

(signature)



Final Survey XTO Energy Big Eddy Unit 30E Rey #102H 0ft to 19455ft

Geodetic Report

(Def Survey)



Report Date: November 25, 2019 - 10:33 AM
Client: XTO Energy Inc.
Field: NM Eddy County (NAD 27)
Structure / Slot: Big Eddy Unit 30E / Big Eddy Unit 30E Jedi #102H
Well: Big Eddy Unit 30E Rey #102H
Borehole: Big Eddy Unit 30E Rey #102H
UWI / API#: Unknown / Unknown

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 88.050 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3477.000 ft above MSL
Seabed / Ground Elevation: 3452.000 ft above MSL
Magnetic Declination: 7.084 °

Survey Name: Final Survey XTO Energy Big Eddy Unit 30E Rey #102H 0ft to 19455ft

Total Gravity Field Strength: 998.4983mgn (9.80665 Based)

Survey Date: November 06, 2019
Tort / AHD / DDI / ERD Ratio: 216.148 ° / 10352.497 ft / 6.642 / 1.043
Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 34' 7.89694", W 103° 50' 47.54680"
Location Grid N/E Y/X: N 571006.200 ftUS, E 649964.800 ftUS
CRS Grid Convergence Angle: 0.2621 °
Grid Scale Factor: 0.99993485
Version / Patch: 2.10.782.0

Gravity Model: GARM
Total Magnetic Field Strength: 48092.699 nT
Magnetic Dip Angle: 60.361 °
Declination Date: November 06, 2019
Magnetic Declination Model: HDGM 2019
North Reference: Grid North
Grid Convergence Used: 0.2621 °
Total Corr Mag North->Grid North: 6.8215 °
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	571006.20	649964.80	N 32 34	7.90 W 103 50 47.55
	147.00	0.40	353.77	147.00	-0.04	0.51	-0.06	0.27	571006.71	649964.74	N 32 34	7.90 W 103 50 47.55
	203.00	0.10	302.77	203.00	-0.09	0.73	-0.12	0.62	571006.93	649964.68	N 32 34	7.90 W 103 50 47.55
	265.00	0.14	292.15	265.00	-0.21	0.79	-0.23	0.07	571006.99	649964.57	N 32 34	7.90 W 103 50 47.55
	356.00	0.13	306.69	356.00	-0.39	0.89	-0.42	0.04	571007.09	649964.38	N 32 34	7.91 W 103 50 47.55
	413.00	0.07	269.72	413.00	-0.47	0.93	-0.51	0.15	571007.13	649964.29	N 32 34	7.91 W 103 50 47.55
	503.00	0.46	171.57	503.00	-0.49	0.57	-0.51	0.53	571006.77	649964.29	N 32 34	7.90 W 103 50 47.55
	569.00	0.26	207.39	569.00	-0.53	0.18	-0.54	0.44	571006.38	649964.26	N 32 34	7.90 W 103 50 47.55
	661.00	0.44	147.40	660.99	-0.45	-0.30	-0.44	0.42	571005.90	649964.36	N 32 34	7.89 W 103 50 47.55
	720.00	0.29	178.57	719.99	-0.34	-0.64	-0.32	0.41	571005.56	649964.48	N 32 34	7.89 W 103 50 47.55
19.625 Casing	776.00	0.14	145.86	775.99	-0.30	-0.84	-0.28	0.34	571005.36	649964.52	N 32 34	7.89 W 103 50 47.55
	820.00	0.17	178.01	819.99	-0.28	-0.95	-0.24	0.21	571005.25	649964.56	N 32 34	7.89 W 103 50 47.55
	842.00	0.20	188.74	841.99	-0.28	-1.02	-0.25	0.21	571005.18	649964.55	N 32 34	7.89 W 103 50 47.55
	932.00	0.37	145.60	931.99	-0.16	-1.42	-0.11	0.29	571004.78	649964.69	N 32 34	7.88 W 103 50 47.55
	1021.00	0.31	101.20	1020.99	0.23	-1.70	0.29	0.30	571004.50	649965.09	N 32 34	7.88 W 103 50 47.54
	1111.00	0.15	36.52	1110.99	0.54	-1.66	0.60	0.31	571004.54	649965.40	N 32 34	7.88 W 103 50 47.54
	1200.00	0.19	10.65	1199.99	0.65	-1.42	0.70	0.10	571004.78	649965.50	N 32 34	7.88 W 103 50 47.54
	1290.00	0.49	339.69	1289.99	0.56	-0.91	0.59	0.38	571005.29	649965.39	N 32 34	7.89 W 103 50 47.54
	1380.00	0.70	310.27	1379.98	0.03	-0.19	0.04	0.40	571006.01	649964.84	N 32 34	7.89 W 103 50 47.55
	1469.00	0.61	249.62	1468.98	-0.82	-0.01	-0.82	0.75	571006.19	649963.98	N 32 34	7.90 W 103 50 47.56
	1559.00	0.89	226.51	1558.97	-1.80	-0.65	-1.78	0.45	571005.55	649963.02	N 32 34	7.89 W 103 50 47.57
	1648.00	0.83	194.25	1647.96	-2.50	-1.75	-2.44	0.54	571004.45	649962.36	N 32 34	7.88 W 103 50 47.58
	1738.00	1.14	143.28	1737.95	-2.17	-3.10	-2.06	0.99	571003.10	649962.74	N 32 34	7.87 W 103 50 47.57
	1827.00	1.89	113.64	1826.92	-0.34	-4.40	-0.19	1.19	571001.80	649964.61	N 32 34	7.85 W 103 50 47.55
	1917.00	2.16	103.28	1916.86	2.64	-5.39	2.82	0.50	571000.81	649967.62	N 32 34	7.84 W 103 50 47.51
	2006.00	1.57	92.56	2005.81	5.47	-5.83	5.67	0.77	571000.37	649970.47	N 32 34	7.84 W 103 50 47.48
	2096.00	1.11	76.68	2095.79	7.55	-5.68	7.75	0.65	571000.52	649972.61	N 32 34	7.84 W 103 50 47.46
	2185.00	1.29	71.93	2184.77	9.36	-5.17	9.54	0.23	571001.03	649974.34	N 32 34	7.85 W 103 50 47.44
	2275.00	0.65	90.46	2274.76	10.84	-4.86	11.02	0.78	571001.34	649975.82	N 32 34	7.85 W 103 50 47.42
	2329.00	0.35	130.29	2328.76	11.27	-4.97	11.45	0.82	571001.23	649976.25	N 32 34	7.85 W 103 50 47.41
13.375 Casing	2405.00	0.64	234.71	2404.75	11.09	-5.37	11.28	1.06	571000.83	649976.08	N 32 34	7.84 W 103 50 47.42
	2409.00	0.68	236.21	2408.75	11.05	-5.39	11.24	1.06	571000.81	649976.04	N 32 34	7.84 W 103 50 47.42
	2498.00	0.36	351.84	2497.75	10.57	-5.41	10.76	1.01	571000.79	649975.56	N 32 34	7.84 W 103 50 47.42
	2588.00	0.73	263.29	2587.75	9.97	-5.20	10.15	0.90	571001.00	649974.95	N 32 34	7.85 W 103 50 47.43
	2677.00	0.37	263.72	2676.74	9.12	-5.29	9.30	0.40	571000.91	649974.10	N 32 34	7.84 W 103 50 47.44
	2767.00	0.35	281.79	2766.74	8.56	-5.27	8.75	0.13	571000.93	649973.54	N 32 34	7.84 W 103 50 47.44
	2856.00	0.29	280.53	2855.74	8.08	-5.17	8.26	0.07	571001.03	649973.06	N 32 34	7.85 W 103 50 47.45
	2946.00	0.31	293.28	2945.74	7.63	-5.04	7.81	0.08	571001.16	649972.61	N 32 34	7.85 W 103 50 47.46
	3036.00	0.29	267.45	3035.74	7.19	-4.95	7.36	0.15	571001.25	649972.16	N 32 34	7.85 W 103 50 47.46
	3125.00	0.26	253.69	3124.74	6.77	-5.02	6.94	0.08	571001.18	649971.74	N 32 34	7.85 W 103 50 47.47
	3214.00	0.24	251.36	3213.74	6.39	-5.13	6.57	0.03	571001.07	649971.37	N 32 34	7.85 W 103 50 47.47
	3304.00	0.26	240.26	3303.74	6.03	-5.29	6.21	0.06	571000.91	649971.01	N 32 34	7.84 W 103 50 47.47
	3393.00	0.23	308.96	3392.74	5.72	-5.28	5.90	0.31	571000.92	649970.70	N 32 34	7.84 W 103 50 47.48
	3482.00	0.48	276.43	3481.73	5.21	-5.13	5.39	0.35	571001.07	649970.19	N 32 34	7.85 W 103 50 47.48
	3572.00	1.91	232.97	3571.71	3.61	-5.99	3.82	1.77	571000.21	649968.62	N 32 34	7.84 W 103 50 47.50
	3661.00	2.21	231.95	3660.66	1.01	-7.94	1.28	0.34	570998.26	649966.08	N 32 34	7.82 W 103 50 47.53
	3751.00	2.30	232.04	3750.59	-1.85	-10.12	-1.51	0.10	570996.08	649963.29	N 32 34	7.80 W 103 50 47.56
	3840.00	2.52	231.58	3839.51	-4.87	-12.43	-4.45	0.25	570993.77	649960.35	N 32 34	7.77 W 103 50 47.60
	3930.00	2.52	216.70	3929.42	-7.70	-15.25	-7.18	0.72	570990.95	649957.62	N 32 34	7.75 W 103 50 47.63
	4019.00	2.67	201.16	4018.33	-9.73	-18.75	-9.10	0.81	570987.45	649955.70	N 32 34	7.71 W 103 50 47.65
9.625 Casing	4071.00	2.73	186.17	4070.27	-10.38	-21.11	-9.67	1.36	570985.09	649955.13	N 32 34	7.69 W 103 50 47.66
	4096.00	2.79	191.35	4095.24	-10.61	-22.30	-9.85	1.03	570983.90	649954.95	N 32 34	7.68 W 103 50 47.66
	4114.00	2.85	194.92	4113.22	-10.84	-23.16	-10.05	1.03	570983.04	649954.75	N 32 34	7.67 W 103 50 47.67
	4203.00	3.26	203.66	4202.10	-12.57	-27.62	-11.64	0.70	570978.58	649953.16	N 32 34	7.62 W 103 50 47.68
	4293.00	2.27	171.34	4292.00	-13.47	-31.73	-12.40	2.01	570974.48	649952.40	N 32 34	7.58 W 103 50 47.69
	4382.00	2.27	129.64	4380.93	-11.95	-34.59	-10.78	1.82	570971.61	649954.03	N 32 34	7.56 W 103 50 47.67
	4471.00	2.72	101.76	4469.85	-8.58	-36.15	-7.35	1.44	570970.05	649957.45	N 32 34	7.54 W 103 50 47.63
	4561.00	3.75	86.34	4559.71	-3.56	-36.40	-2.32	1.49	570969.81	649962.48	N 32 34	7.54 W 103 50 47.58
	4650.00	4.87	75.17	4648.46	3.03	-35.24	4.23	1.57	570970.96	649969.03	N 32 34	7.55 W 103 50 47.50
	4740.00	5.76	62.90	4738.07	10.85	-32.21	11.95	1.60	570973.99	649976.75	N 32 34	7.58 W 103 50 47.41
	4829.00	6.64	49.57	4826.55	18.92	-26.84	19.84	1.89	570979.37	649984.64	N 32 34	7.63 W 103 50 47.32
	4919.00	7.46	42.96	4915.87	27.11	-19.19	27.78	1.28	570987.02	649992.58	N 32 34	7.71 W 103 50 47.22
	5008.00	7.93	40.31	5004.07	35.32	-10.28	35.69	0.66	570995.93	650000.49	N 32 34	7.79 W 103 50 47.13
	5098.00	8.11	39.43	5093.19	43.69	-0.64	43.74	0.24	571005.56	650008.54	N 32 34	7.89 W 103 50 47.04
	5187.00	7.84	40.14	5181.33	51.91	8.85	51.64	0.32	571015.05	650016.44	N 32 34	7.98 W 103 50 46.94

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	5277.00	8.13	43.71	5270.46	60.58	18.14	60.00	0.64	571024.34	650024.79	N 32 34 8.07	W 103 50 46.84
	5366.00	7.71	43.88	5358.61	69.36	27.00	68.48	0.47	571033.19	650033.28	N 32 34 8.16	W 103 50 46.75
	5455.00	7.84	42.43	5446.79	77.89	35.78	76.72	0.26	571041.98	650041.51	N 32 34 8.25	W 103 50 46.65
	5544.00	8.46	42.25	5534.89	86.70	45.11	85.21	0.70	571051.30	650050.01	N 32 34 8.34	W 103 50 46.55
	5633.00	8.76	43.82	5622.89	96.12	54.84	94.31	0.43	571061.04	650059.10	N 32 34 8.44	W 103 50 46.44
	5723.00	8.20	45.95	5711.91	105.79	64.25	103.67	0.71	571070.45	650068.46	N 32 34 8.53	W 103 50 46.33
	5812.00	7.80	44.54	5800.04	114.88	72.97	112.46	0.50	571079.16	650077.26	N 32 34 8.61	W 103 50 46.23
	5902.00	8.09	46.99	5889.18	124.09	81.64	121.38	0.50	571087.83	650086.17	N 32 34 8.70	W 103 50 46.12
	5991.00	8.14	45.99	5977.29	133.49	90.29	130.49	0.17	571096.48	650095.28	N 32 34 8.78	W 103 50 46.02
	6081.00	8.40	45.40	6066.35	143.05	99.33	139.75	0.30	571105.53	650104.54	N 32 34 8.87	W 103 50 45.91
	6170.00	8.27	44.16	6154.41	152.45	108.49	148.84	0.25	571114.68	650113.63	N 32 34 8.96	W 103 50 45.80
	6260.00	8.18	43.69	6243.48	161.69	117.76	157.77	0.12	571123.95	650122.56	N 32 34 9.06	W 103 50 45.70
	6349.00	8.01	41.91	6331.60	170.51	126.96	166.29	0.34	571133.15	650131.08	N 32 34 9.15	W 103 50 45.60
	6439.00	7.94	41.66	6420.73	179.15	136.27	174.61	0.09	571142.46	650139.40	N 32 34 9.24	W 103 50 45.50
	6528.00	7.80	39.50	6508.89	187.38	145.52	182.54	0.37	571151.71	650147.32	N 32 34 9.33	W 103 50 45.41
	6618.00	7.94	39.25	6598.04	195.52	155.04	190.35	0.16	571161.23	650155.14	N 32 34 9.42	W 103 50 45.31
	6707.00	7.88	39.54	6686.19	203.61	164.51	198.13	0.08	571170.70	650162.91	N 32 34 9.52	W 103 50 45.22
	6797.00	7.40	38.90	6775.39	211.49	173.78	205.70	0.54	571179.97	650170.48	N 32 34 9.61	W 103 50 45.13
	6886.00	7.32	45.01	6863.66	219.38	182.25	213.30	0.88	571188.43	650178.09	N 32 34 9.69	W 103 50 45.04
	6976.00	7.35	44.54	6952.93	227.75	190.40	221.40	0.07	571196.59	650186.18	N 32 34 9.77	W 103 50 44.95
	7065.00	7.47	42.72	7041.18	235.94	198.71	229.31	0.30	571204.90	650194.10	N 32 34 9.85	W 103 50 44.86
	7155.00	7.55	46.36	7130.41	244.47	207.09	237.56	0.54	571213.28	650202.35	N 32 34 9.94	W 103 50 44.76
	7244.00	7.12	48.46	7218.68	253.09	214.78	245.92	0.57	571220.97	650210.71	N 32 34 10.01	W 103 50 44.66
	7334.00	6.80	46.68	7308.02	261.39	222.14	253.97	0.43	571228.32	650218.76	N 32 34 10.08	W 103 50 44.57
	7423.00	7.30	43.59	7396.35	269.38	228.85	261.71	0.70	571236.03	650226.49	N 32 34 10.16	W 103 50 44.48
	7513.00	7.32	41.88	7485.62	277.43	238.26	269.48	0.24	571244.44	650234.26	N 32 34 10.24	W 103 50 44.39
	7602.00	6.16	41.41	7574.00	284.63	246.06	278.42	1.30	571252.24	650241.20	N 32 34 10.32	W 103 50 44.30
	7692.00	4.85	35.73	7663.58	290.27	252.77	281.84	1.57	571258.95	650246.62	N 32 34 10.39	W 103 50 44.24
	7781.00	4.15	30.98	7752.31	294.32	258.59	285.69	0.89	571264.77	650250.47	N 32 34 10.44	W 103 50 44.19
	7871.00	3.86	40.45	7842.09	298.14	263.68	289.33	0.80	571269.87	650254.11	N 32 34 10.49	W 103 50 44.15
	7961.00	2.78	39.54	7931.94	301.63	267.67	292.69	1.20	571273.85	650257.47	N 32 34 10.53	W 103 50 44.11
	8050.00	1.58	24.53	8020.87	303.60	270.45	294.57	1.48	571276.64	650259.35	N 32 34 10.56	W 103 50 44.09
	8140.00	1.08	0.21	8110.85	304.19	272.43	295.09	0.83	571278.61	650259.87	N 32 34 10.58	W 103 50 44.08
	8229.00	1.04	265.08	8199.84	303.41	273.20	294.29	1.76	571279.38	650259.07	N 32 34 10.59	W 103 50 44.09
	8319.00	0.46	277.61	8289.83	302.24	273.18	293.12	0.67	571279.36	650257.90	N 32 34 10.59	W 103 50 44.11
	8408.00	0.66	232.53	8378.83	301.47	272.91	292.35	0.53	571279.10	650257.13	N 32 34 10.58	W 103 50 44.12
	8498.00	0.28	207.53	8468.82	300.94	272.40	291.84	0.47	571278.58	650256.62	N 32 34 10.58	W 103 50 44.12
	8588.00	0.57	348.41	8558.82	300.76	272.65	291.65	0.90	571278.83	650256.43	N 32 34 10.58	W 103 50 44.12
	8677.00	0.71	298.26	8647.82	300.21	273.34	291.07	0.63	571279.52	650255.86	N 32 34 10.59	W 103 50 44.13
	8767.00	0.79	330.80	8737.81	299.44	274.15	290.28	0.47	571280.33	650255.06	N 32 34 10.60	W 103 50 44.14
	8856.00	1.02	302.80	8826.80	298.51	275.11	289.32	0.55	571281.29	650254.10	N 32 34 10.61	W 103 50 44.15
	8946.00	0.34	244.73	8916.79	297.61	275.43	288.40	0.99	571281.61	650253.18	N 32 34 10.61	W 103 50 44.16
	9035.00	0.37	147.38	9005.79	297.51	275.08	288.32	0.60	571281.26	650253.10	N 32 34 10.61	W 103 50 44.16
	9125.00	0.87	131.65	9095.79	298.15	274.38	288.98	0.58	571280.56	650253.76	N 32 34 10.60	W 103 50 44.16
	9214.00	0.65	160.13	9184.78	298.80	273.45	289.66	0.48	571279.64	650254.44	N 32 34 10.59	W 103 50 44.15
	9255.00	1.47	155.12	9225.77	299.07	272.76	289.96	2.01	571278.94	650254.74	N 32 34 10.58	W 103 50 44.14
	9287.00	3.20	105.71	9257.75	300.09	272.14	290.99	7.83	571278.33	650255.77	N 32 34 10.58	W 103 50 44.13
	9331.00	9.92	79.73	9301.44	305.01	272.49	295.91	16.32	571278.67	650260.69	N 32 34 10.58	W 103 50 44.07
	9376.00	15.18	75.10	9345.35	314.60	274.70	305.43	11.89	571280.88	650270.21	N 32 34 10.60	W 103 50 43.96
	9421.00	18.32	75.26	9388.44	327.24	278.01	317.96	6.98	571284.19	650282.74	N 32 34 10.63	W 103 50 43.82
	9466.00	20.74	83.07	9430.85	342.08	280.77	332.72	7.90	571286.95	650297.49	N 32 34 10.66	W 103 50 43.64
	9511.00	23.16	86.33	9472.59	358.86	282.30	349.46	6.02	571288.48	650314.24	N 32 34 10.67	W 103 50 43.45
	9555.00	27.38	83.80	9512.37	377.61	283.95	368.16	9.90	571290.13	650332.94	N 32 34 10.69	W 103 50 43.23
	9600.00	30.42	82.61	9551.76	399.28	286.53	389.75	6.88	571292.71	650354.53	N 32 34 10.71	W 103 50 42.98
	9645.00	31.42	83.03	9590.36	422.30	289.42	412.69	2.27	571295.60	650377.47	N 32 34 10.74	W 103 50 42.71
	9690.00	35.63	87.38	9627.88	447.11	291.44	437.45	10.77	571297.62	650402.22	N 32 34 10.76	W 103 50 42.42
	9735.00	39.51	91.26	9663.54	474.52	291.73	464.86	10.10	571297.91	650429.63	N 32 34 10.76	W 103 50 42.10
	9779.00	45.00	93.13	9696.10	504.02	290.57	494.41	12.80	571296.75	650459.18	N 32 34 10.75	W 103 50 41.75
	9824.00	49.34	94.74	9726.68	536.83	288.29	527.33	9.99	571294.47	650492.09	N 32 34 10.73	W 103 50 41.37
	9869.00	53.33	93.56	9754.79	571.76	285.76	562.36	9.10	571291.94	650527.13	N 32 34 10.70	W 103 50 40.96
	9914.00	57.07	92.73	9780.47	608.56	283.74	599.25	8.45	571289.92	650564.01	N 32 34 10.68	W 103 50 40.53
	9958.00	59.36	89.10	9803.65	645.90	283.15	636.64	8.73	571289.34	650601.40	N 32 34 10.67	W 103 50 40.09
	10003.00	62.63	87.54	9825.47	685.25	284.32	675.97	7.87	571290.50	650640.72	N 32 34 10.68	W 103 50 39.63
	10048.00	67.98	87.81	9844.26	726.12	285.97	716.81	11.90	571292.15	650681.56	N 32 34 10.69	W 103 50 39.16
	10093.00	73.80	88.94	9858.99	768.62	287.17	759.29	13.15	571293.35	650724.04	N 32 34 10.70	W 103 50 38.66
	10136.00	80.30	89.84	9868.62	810.49	287.61	801.17	15.25	571293.79	650765.92	N 32 34 10.71	W 103 50 38.17
	10182.00	87.87	89.58	9873.36	856.20	287.84	846.89	16.47	571294.02	650811.64	N 32 34 10.71	W 103 50 37.64
	10227.00	90.06	90.00	9874.17	901.17	288.01	891.88	4.96	571294.19	650856.62	N 32 34 10.71	W 103 50 37.11
	10272.00	88.52	90.55	9874.73	946.13	287.79	936.88	3.63	571293.97	650901.61	N 32 34 10.70	W 103 50 36.58
	10297.00	88.46	90.98	9875.39	971.09	287.46	961.87	1.74	571293.64	650926.60	N 32 34 10.69	W 103 50 36.29
	10344.00	88.85	91.52	9876.49	1018.00	286.43	1008.84	1.42	571292.61	650973.57	N 32 34 10.69	W 103 50 35.74
	10433.00	89.14	90.59	9878.05	1106.87	284.80	1097.81	1.09	571290.98	651062.54	N 32 34 10.67	W 103 50 34.70
	10523.00	89.08	90.71	9879.45	1196.76	283.77	1187.79	0.15	571289.96	651152.52	N 32 34 10.65	W 103 50 33.65
	10612.00	89.11	90.63	9880.85	1285.66	282.73	1276.78	0.10	571288.92	651241.49	N 32 34 10.64	W 103 50 32.61
	10701.00	89.11	90.77	9882.24	1374.55	281.65	1365.76	0.16	571287.83	651330.47	N 32 34 10.62	W 103 50 31.57
	10791.00	89.11	90.71	9883.63	1464.44	280.48	1455.74	0.07	571286.67	651420.44	N 32 34 10.61	W 103 50 30.52
	10880.00	89.20	90.65	9884.95	1553.34	279.43	1544.73	0.12	571285.61	651509.42	N 32 34 10.59	W 103 50 29.48

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	12043.00	89.17	90.49	9894.69	2715.16	271.61	2707.49	0.21	571277.79	652672.10	N 32 34 10.46 W 103 50 15.90	
	12133.00	88.85	90.26	9896.24	2805.07	271.02	2797.47	0.44	571277.20	652762.08	N 32 34 10.45 W 103 50 14.84	
	12222.00	88.68	90.32	9898.16	2893.98	270.57	2886.45	0.20	571276.75	652851.06	N 32 34 10.44 W 103 50 13.81	
	12311.00	88.68	90.39	9900.21	2982.89	270.02	2975.42	0.08	571276.20	652940.02	N 32 34 10.43 W 103 50 12.77	
	12401.00	88.74	90.45	9902.24	3072.79	269.36	3065.40	0.09	571275.54	653029.99	N 32 34 10.42 W 103 50 11.71	
	12491.00	89.00	90.40	9904.01	3162.69	268.69	3155.38	0.29	571274.87	653119.97	N 32 34 10.41 W 103 50 10.66	
	12580.00	91.17	89.92	9903.88	3251.63	268.44	3244.37	2.50	571274.63	653208.95	N 32 34 10.40 W 103 50 9.62	
	12670.00	93.33	88.31	9900.35	3341.53	269.83	3334.28	2.99	571276.01	653298.86	N 32 34 10.41 W 103 50 8.57	
	12759.00	93.18	87.80	9895.30	3430.39	272.85	3423.09	0.60	571279.03	653387.66	N 32 34 10.47 W 103 50 7.53	
	12849.00	92.98	87.51	9890.46	3520.26	276.52	3512.88	0.39	571282.71	653477.45	N 32 34 10.47 W 103 50 6.49	
	12938.00	91.09	86.04	9887.30	3609.20	279.98	3601.76	2.21	571286.16	653566.31	N 32 34 10.50 W 103 50 5.45	
	13028.00	89.83	87.48	9886.58	3699.19	283.49	3691.68	1.53	571289.68	653656.23	N 32 34 10.53 W 103 50 4.40	
	13117.00	89.66	88.17	9886.97	3788.19	286.87	3780.62	0.80	571293.05	653745.16	N 32 34 10.56 W 103 50 3.36	
	13207.00	90.95	89.48	9886.49	3878.18	288.72	3870.59	2.04	571294.90	653835.13	N 32 34 10.58 W 103 50 2.30	
	13297.00	91.09	90.02	9884.89	3968.12	289.11	3960.58	0.62	571295.29	653925.11	N 32 34 10.58 W 103 50 1.25	
	13386.00	91.63	90.18	9882.78	4057.04	288.95	4049.55	0.63	571295.14	654014.08	N 32 34 10.57 W 103 50 0.21	
	13476.00	90.34	89.52	9881.23	4146.98	289.19	4139.54	1.61	571295.37	654104.06	N 32 34 10.57 W 103 49 59.16	
	13566.00	90.40	90.29	9880.65	4236.93	289.34	4229.53	0.86	571295.52	654194.05	N 32 34 10.57 W 103 49 58.11	
	13655.00	90.32	90.37	9880.09	4326.86	288.83	4318.53	0.13	571295.01	654283.04	N 32 34 10.56 W 103 49 57.07	
	13744.00	88.85	90.44	9880.74	4414.78	284.00	4407.52	1.65	571294.38	654372.03	N 32 34 10.55 W 103 49 56.03	
	13834.00	88.57	90.48	9882.76	4504.67	287.48	4497.50	0.31	571293.66	654461.99	N 32 34 10.53 W 103 49 54.98	
	13924.00	88.94	90.65	9884.72	4594.57	286.59	4587.47	0.45	571292.77	654551.96	N 32 34 10.52 W 103 49 53.93	
	14013.00	89.40	90.48	9886.01	4683.47	285.71	4676.46	0.55	571291.89	654640.94	N 32 34 10.51 W 103 49 52.89	
	14103.00	89.86	90.43	9886.59	4773.39	285.00	4766.45	0.51	571291.18	654730.93	N 32 34 10.50 W 103 49 51.84	
	14192.00	89.77	90.30	9886.88	4862.32	284.43	4855.45	0.18	571290.61	654819.92	N 32 34 10.49 W 103 49 50.80	
	14282.00	89.23	90.31	9887.66	4952.24	283.95	4945.44	0.60	571290.13	654909.91	N 32 34 10.48 W 103 49 49.75	
	14371.00	89.08	90.40	9888.97	5041.16	283.40	5034.43	0.20	571289.58	654998.90	N 32 34 10.47 W 103 49 48.71	
	14461.00	88.33	88.51	9891.01	5131.11	284.25	5124.40	2.26	571290.44	655088.86	N 32 34 10.47 W 103 49 47.65	
	14550.00	88.51	88.27	9893.46	5220.07	286.75	5213.33	0.34	571292.93	655177.78	N 32 34 10.49 W 103 49 46.62	
	14640.00	89.63	88.41	9894.92	5310.06	289.36	5303.28	1.25	571295.54	655267.73	N 32 34 10.52 W 103 49 45.56	
	14729.00	90.14	88.21	9895.10	5399.05	291.99	5392.24	0.62	571298.17	655356.68	N 32 34 10.54 W 103 49 44.52	
	14819.00	90.11	88.02	9894.90	5489.05	294.95	5482.19	0.21	571301.13	655446.62	N 32 34 10.56 W 103 49 43.47	
	14908.00	90.00	88.05	9894.82	5578.05	298.00	5571.14	0.13	571304.18	655535.57	N 32 34 10.59 W 103 49 42.43	
	14998.00	89.14	88.25	9895.49	5668.05	300.90	5661.09	0.98	571307.08	655625.51	N 32 34 10.61 W 103 49 41.38	
	15087.00	89.31	88.11	9896.70	5757.04	303.73	5750.04	0.25	571309.91	655714.45	N 32 34 10.64 W 103 49 40.34	
	15176.00	89.14	87.82	9897.90	5846.03	306.89	5838.97	0.38	571313.07	655803.38	N 32 34 10.66 W 103 49 39.30	
	15266.00	89.23	88.02	9899.18	5936.02	310.16	5928.90	0.24	571316.33	655893.31	N 32 34 10.69 W 103 49 38.25	
	15355.00	89.14	88.94	9900.45	6025.01	312.52	6017.86	1.04	571318.70	655982.26	N 32 34 10.71 W 103 49 37.21	
	15445.00	90.29	88.26	9900.90	6115.01	314.72	6107.83	1.48	571320.89	656072.22	N 32 34 10.73 W 103 49 36.16	
	15534.00	90.32	88.06	9900.42	6204.00	317.57	6196.79	0.23	571323.75	656161.17	N 32 34 10.75 W 103 49 35.12	
	15624.00	90.11	89.07	9900.08	6294.00	319.83	6286.76	1.15	571326.01	656251.13	N 32 34 10.77 W 103 49 34.07	
	15713.00	90.52	89.92	9899.60	6382.97	320.61	6375.75	1.06	571326.79	656340.12	N 32 34 10.77 W 103 49 33.03	
	15803.00	89.71	90.01	9899.41	6472.92	320.67	6465.75	0.91	571326.84	656430.11	N 32 34 10.77 W 103 49 31.98	
	15892.00	89.05	89.96	9900.38	6561.86	320.69	6554.74	0.74	571326.87	656519.10	N 32 34 10.77 W 103 49 30.94	
	15982.00	89.43	90.38	9901.57	6651.79	320.42	6644.73	0.63	571326.60	656609.09	N 32 34 10.76 W 103 49 29.89	
	16072.00	88.71	89.74	9903.03	6741.72	320.33	6734.72	1.07	571326.51	656699.07	N 32 34 10.75 W 103 49 28.84	
	16161.00	88.31	90.57	9905.35	6830.63	320.09	6823.69	1.03	571326.27	656788.03	N 32 34 10.75 W 103 49 27.80	
	16251.00	89.48	90.70	9907.08	6920.52	319.09	6913.67	1.31	571325.27	656878.00	N 32 34 10.73 W 103 49 26.75	
	16340.00	90.32	90.37	9907.24	7009.44	318.26	7002.66	1.01	571324.44	656966.99	N 32 34 10.72 W 103 49 25.71	
	16429.00	90.34	90.31	9906.72	7098.36	317.73	7091.66	0.07	571323.91	657055.98	N 32 34 10.71 W 103 49 24.67	
	16519.00	91.35	90.35	9905.40	7188.28	317.21	7181.65	1.12	571323.39	657145.96	N 32 34 10.70 W 103 49 23.61	
	16608.00	91.37	90.00	9903.29	7277.19	316.94	7270.62	0.39	571323.12	657234.93	N 32 34 10.70 W 103 49 22.57	
	16698.00	91.46	90.01	9901.06	7367.11	316.93	7360.59	0.10	571323.11	657324.90	N 32 34 10.69 W 103 49 21.52	
	16787.00	91.49	89.75	9898.77	7456.04	317.12	7449.56	0.29	571323.30	657413.86	N 32 34 10.69 W 103 49 20.48	
	16877.00	91.32	89.57	9896.57	7545.98	317.65	7539.53	0.28	571323.83	657503.83	N 32 34 10.69 W 103 49 19.43	
	16966.00	91.26	90.15	9894.56	7634.91	317.87	7628.51	0.65	571324.05	657592.80	N 32 34 10.69 W 103 49 18.39	
	17056.00	91.35	90.03	9892.51	7724.83	317.73	7718.49	0.17	571323.91	657682.77	N 32 34 10.68 W 103 49 17.34	
	17145.00	90.77	90.14	9890.87	7813.76	317.60	7807.47	0.66	571323.78	657771.75	N 32 34 10.68 W 103 49 16.30	
	17235.00	90.80	89.96	9889.63	7903.69	317.52	7897.46	0.20	571323.70	657861.73	N 32 34 10.67 W 103 49 15.25	
	17324.00	90.72	90.05	9888.45	7992.63	317.51	7986.46	0.14	571323.69	657950.72	N 32 34 10.67 W 103 49 14.21	
	17414.00	90.29	90.32	9887.66	8082.57	317.22	8076.45	0.56	571323.40	658040.71	N 32 34 10.66 W 103 49 13.16	
	17503.00	89.51	89.96	9887.81	8171.51	317.00	8165.45	0.97	571323.18	658129.70	N 32 34 10.65 W 103 49 12.12	
	17592.00	88.91	90.58	9889.04	8260.43	316.58	8254.44	0.97	571322.76	658218.69	N 32 34 10.65 W 103 49 11.08	
	17682.00	88.85	90.98	9890.80	8350.31	315.36	8344.41	0.45	571321.54	658308.65	N 32 34 10.63 W 103 49 10.03	
	17771.00	87.68	90.70	9893.49	8439.16	314.05	8433.36	1.35	571320.23	658397.60	N 32 34 10.61 W 103 49 8.99	
	17860.00	87.74	91.16	9897.05	8527.98	312.61	8522.28	0.52	571318.79	658486.51	N 32 34 10.59 W 103 49 7.95	
	17950.00	88.60	90.73	9899.93	8617.82	311.13	8612.22	1.07	571317.31	658576.44	N 32 34 10.57 W 103 49 6.90	
	18039.00	88.63	89.28	9902.08	8706.74	311.12	8701.19	1.63	571317.30	658665.41	N 32 34 10.57 W 103 49 5.86	
	18129.00	88.80	89.21	9904.09	8796.70	312.31	8791.16	0.20	571318.48	658755.37	N 32 34 10.58 W 103 49 4.81	
	18219.00	88.85	89.13	9905.94	8886.66	313.61	8881.13	0.10	571319.79	658845.34	N 32 34 10.59 W 103 49 3.76	
	18308.00	88.60	89.32	9907.92	8975.62	314.81	8970.10	0.35	571320.99	658934.30	N 32 34 10.59 W 103 49 2.72	
	18398.00	88.85	89.27	9909.92	9065.58	315.92	9060.07	0.28	571322.10	659024.26	N 32 34 10.60 W 103 49 1.67	
	18487.00	88.74	89.14	9911.79	9154.54	317.15	9149.05	0.19	571323.33	659113.23	N 32 34 10.61 W 103 49 0.63	
	18577.00	89.20	89.00	9913.41	9244.51	318.61	9239.02	0.53	571324.79	659203.20	N 32 34 10.62 W 103 48 59.57	
	18667.00	89.37	88.84	9914.54	9334.49	320.31	9329.00	0.26	571326.49	659293.17	N 32 34 10.63 W 103 48 58.52	
	18756.00	89.48	88.77	9915.43	9423.48	322.17						

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma												
Survey Program:												
Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey				
No Corrections	1	0.000	25.000	1/98.425	24.000	18.625	NAL_MWD-NON_SLB-Depth Only	Big Eddy Unit 30E Rey #102H / Final Survey XTO Energy Big				
No Corrections	1	25.000	25.000	Act Stns	24.000	18.625	NAL_MWD-NON_SLB-Depth Only	Eddy Unit 30E Rey #102H 0ft to Big Eddy Unit 30E Rey #102H /				
No Corrections	1	25.000	820.000	Act Stns	24.000	18.625	NAL_MWD-NON_SLB	Final Survey XTO Energy Big Eddy Unit 30E Rey #102H 0ft to				
No Corrections	1	820.000	2405.000	Act Stns	17.500	13.375	NAL_MWD-NON_SLB	Big Eddy Unit 30E Rey #102H / Final Survey XTO Energy Big				
No Corrections	1	2405.000	4071.000	Act Stns	12.250	9.625	NAL_MWD-NON_SLB	Big Eddy Unit 30E Rey #102H / Final Survey XTO Energy Big				
	1	4071.000	4096.000	Act Stns	12.250	9.625	NAL_MWD_IFR1+MS	Big Eddy Unit 30E Rey #102H / Final Survey XTO Energy Big				
	1	4096.000	10227.000	Act Stns	8.750	5.500	NAL_MWD_IFR1+MS	Big Eddy Unit 30E Rey #102H / Final Survey XTO Energy Big				
Lateral Surveys Corrected by MagVar	1	10227.000	19455.000	Act Stns	8.500	5.500	NAL_MWD_IFR1+MS	Eddy Unit 30E Rey #102H 0ft to				