

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

OCD - REC'D 9/16/2020

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 30-015-46199		² Pool Code 97650	³ Pool Name WC Williams Sink; Bone Spring
⁴ Property Code 325959	⁵ Property Name BIG EDDY UNIT 30E QUI-GON		⁶ Well Number 102H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.		⁹ Elevation 3,448'

¹⁰ Surface Location

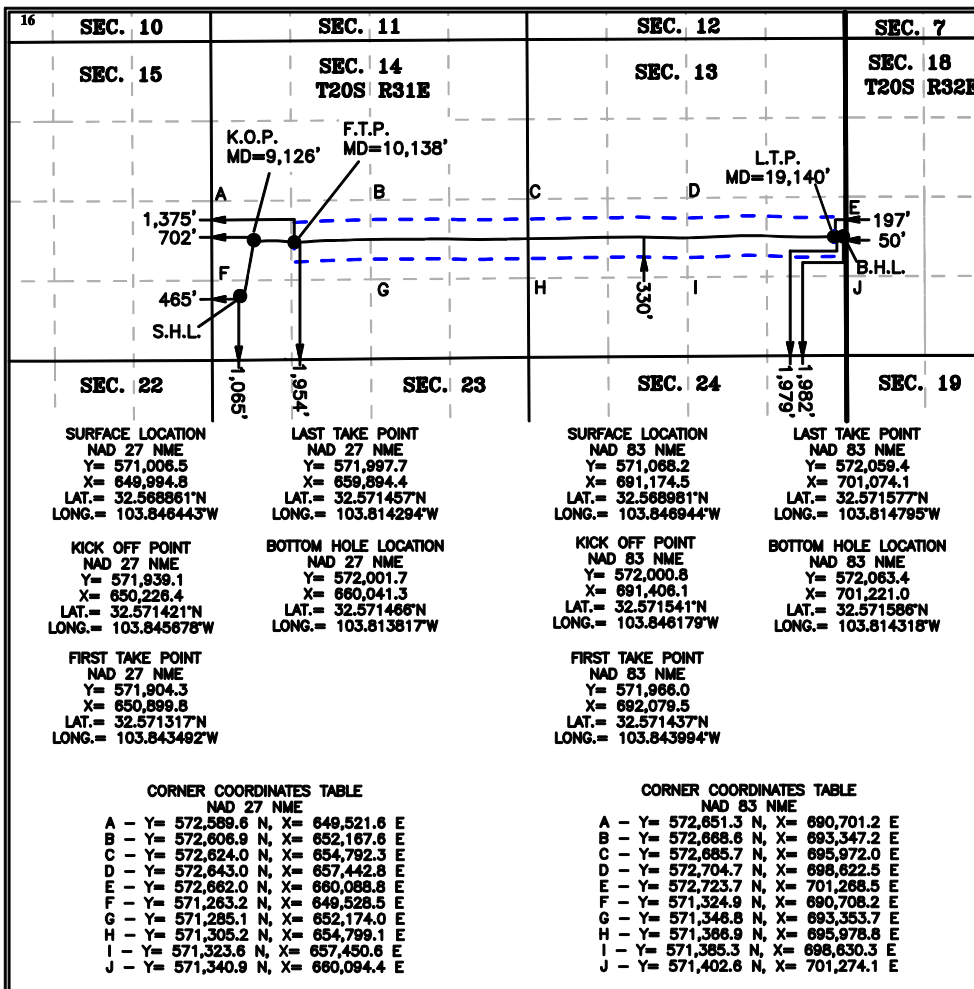
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	14	20 S	31 E		1,065	SOUTH	465	WEST	EDDY

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
I	13	20 S	31 E		1,982	SOUTH	50	EAST	EDDY

¹² Dedicated Acres	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.

Tracie J. Cherry 08/10/20
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

MARK DILLON HARP 23786
Certificate Number JC 2019020393

Intent ☐ As Drilled ☒

API # 30-015-46199			
Operator Name: XTO ENERGY INC.		Property Name: Big Eddy Unit 30E Qui-Gon	Well Number 102H

Kick Off Point (KOP)

UL J	Section 22	Township 19S	Range 30E	Lot	Feet 1323	From N/S FSL	Feet 2457	From E/W FEL	County EDDY
Latitude 32.642249					Longitude 103.958893				NAD 83

First Take Point (FTP)

UL J	Section 27	Township 19S	Range 30E	Lot	Feet 1786	From N/S FSL	Feet 18	From E/W FEL	County EDDY
Latitude 32.629008					Longitude 103.957160				NAD 83

Last Take Point (LTP)

UL O	Section 34	Township 19S	Range 30E	Lot	Feet 342	From N/S FSL	Feet 1811	From E/W FEL	County EDDY
Latitude 32.610535					Longitude 103.957110				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐ No

Is this well an infill well? ☐ Yes

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

API # 30-015-46933			
Operator Name: XTO Permian Operating LLC		Property Name: Big Eddy Unit 30E Skywalker	Well Number 102H

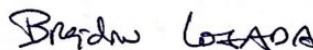
KZ 06/29/2018

HALLIBURTON

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

State of New Mexico, Eddy County

I, Breidin Lozada certify that I am employed by Halliburton Energy Services, Inc. (aka Sperry Drilling) and that on the dates of November 27, 2019 through January 04, 2020, I did conduct or supervise the taking of MWD directional surveys for the Big Eddy Unit 30E Qui-Gon 102H well from a depth of 149' MD to a depth of 19207' 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 Qui-Gon 102H 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.)



Breidin Lozada
Field Engineer

XTO Energy

Big Eddy Unit 30E Qui-Gon 102H

Eddy County, TX

Precision 595

API# 30-015-46199

November 27, 2019 - January 04, 2020

MO-XX-0906047292

Sperry Drilling

MWD Survey Report

Submitted by: Breidin Lozada

3950 Interwood South Parkway Houston, TX 77032

Ph: 281.986.4400

HALLIBURTON

Sperry Drilling

HALLIBURTON

DIRECTIONAL SURVEY REPORT

XTO Energy
Big Eddy Unit 30E Qui-Gon 102H
Third Bone Spring Lime
Eddy New Mexico
USA
MO-XX-0906047292

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
149.00	0.07	155.38	149.00	0.08 S	0.04 E	0.04	0.05
208.00	0.40	140.19	208.00	0.27 S	0.18 E	0.18	0.57
302.00	0.37	134.23	302.00	0.74 S	0.61 E	0.61	0.05
392.00	0.61	145.22	391.99	1.34 S	1.10 E	1.09	0.29
450.00	0.64	138.56	449.99	1.84 S	1.49 E	1.48	0.14
541.00	0.76	133.03	540.98	2.63 S	2.27 E	2.25	0.15
602.00	0.81	142.82	601.98	3.25 S	2.83 E	2.80	0.23
694.00	0.59	152.13	693.97	4.19 S	3.44 E	3.41	0.27
779.00	0.31	133.50	778.97	4.74 S	3.82 E	3.78	0.37
846.00	0.42	153.88	845.97	5.08 S	4.06 E	4.02	0.25
936.00	0.28	101.50	935.97	5.42 S	4.42 E	4.37	0.37
1025.00	0.37	102.98	1024.96	5.53 S	4.91 E	4.87	0.10
1115.00	0.35	93.21	1114.96	5.61 S	5.47 E	5.42	0.07
1204.00	0.23	60.62	1203.96	5.54 S	5.90 E	5.85	0.22
1294.00	0.19	10.21	1293.96	5.30 S	6.08 E	6.04	0.21
1384.00	0.33	352.44	1383.96	4.90 S	6.07 E	6.04	0.18
1473.00	0.41	12.90	1472.96	4.34 S	6.11 E	6.08	0.18
1563.00	0.40	19.39	1562.96	3.72 S	6.29 E	6.26	0.05
1652.00	0.66	44.97	1651.95	3.06 S	6.76 E	6.73	0.39
1742.00	1.06	55.70	1741.94	2.23 S	7.81 E	7.79	0.47
1831.00	1.73	62.27	1830.91	1.14 S	9.68 E	9.67	0.78
1921.00	2.03	48.76	1920.87	0.54 N	12.08 E	12.08	0.59
2010.00	1.57	15.95	2009.82	2.75 N	13.60 E	13.62	1.24
2100.00	1.84	353.58	2099.79	5.37 N	13.78 E	13.82	0.79
2189.00	1.61	318.81	2188.75	7.73 N	12.79 E	12.85	1.18
2279.00	1.89	281.10	2278.71	8.97 N	10.51 E	10.57	1.29
2368.00	2.21	269.80	2367.65	9.25 N	7.36 E	7.43	0.58
2495.00	2.15	261.86	2494.56	8.90 N	2.55 E	2.62	0.24
2584.00	1.07	257.18	2583.52	8.48 N	0.09 E	0.15	1.23
2674.00	0.85	203.40	2673.51	7.68 N	1.00 W	-0.94	0.99
2764.00	1.73	180.93	2763.49	5.71 N	1.29 W	-1.24	1.11
2853.00	1.90	176.33	2852.45	2.90 N	1.21 W	-1.19	0.25
2943.00	1.22	204.73	2942.41	0.54 N	1.52 W	-1.51	1.12
3032.00	0.52	241.01	3031.40	0.52 S	2.27 W	-2.27	0.96
3121.00	1.36	78.51	3120.40	0.50 S	1.59 W	-1.59	2.09
3211.00	2.03	77.60	3210.36	0.05 N	1.02 E	1.02	0.75
3300.00	1.17	70.40	3299.32	0.70 N	3.41 E	3.42	0.99
3389.00	0.43	352.86	3388.31	1.33 N	4.23 E	4.24	1.30
3479.00	0.32	39.31	3478.31	1.86 N	4.35 E	4.36	0.34
3568.00	2.00	161.47	3567.29	0.58 N	5.00 E	5.00	2.46
3658.00	2.86	164.47	3657.21	3.07 S	6.10 E	6.08	0.98
3747.00	3.55	164.19	3746.07	7.87 S	7.45 E	7.39	0.78
3837.00	3.92	164.11	3835.88	13.51 S	9.05 E	8.95	0.41
3926.00	4.17	163.81	3924.66	19.54 S	10.78 E	10.63	0.28
4016.00	4.21	165.50	4014.42	25.88 S	12.52 E	12.33	0.15
4059.00	4.29	165.81	4057.30	28.97 S	13.31 E	13.09	0.18
4106.00	4.12	163.18	4104.17	32.29 S	14.23 E	13.98	0.54
4196.00	3.45	155.51	4193.98	37.85 S	16.29 E	16.00	0.93
4285.00	2.72	143.71	4282.85	41.99 S	18.65 E	18.33	1.09

Big Eddy Unit 30E Qui-Gon 102H

Measured Depth (feet)	Inclination (degrees)	Direction (degrees)	Vertical Depth (feet)	Latitude (feet)	Departure (feet)	Vertical Section (feet)	Dogleg (deg/100ft)
4374.00	2.15	104.59	4371.77	44.11 S	21.51 E	21.17	1.93
4464.00	2.33	73.57	4461.71	44.02 S	24.90 E	24.56	1.34
4553.00	3.57	47.21	4550.59	41.63 S	28.66 E	28.34	2.03
4643.00	4.76	38.89	4640.36	36.82 S	33.06 E	32.78	1.48
4732.00	4.93	38.71	4729.04	30.96 S	37.77 E	37.53	0.19
4822.00	5.36	38.24	4818.67	24.64 S	42.79 E	42.60	0.48
4911.00	7.97	31.86	4907.07	16.13 S	48.62 E	48.50	3.04
5001.00	11.06	25.35	4995.82	3.02 S	55.62 E	55.59	3.63
5090.00	12.80	20.56	5082.90	13.92 N	62.74 E	62.84	2.25
5179.00	13.64	16.51	5169.54	33.22 N	69.18 E	69.43	1.40
5269.00	15.85	15.12	5256.57	55.26 N	75.40 E	75.83	2.49
5358.00	17.17	12.86	5341.90	79.80 N	81.50 E	82.11	1.65
5448.00	17.44	11.21	5427.82	105.99 N	87.08 E	87.89	0.63
5537.00	17.40	10.93	5512.74	132.14 N	92.19 E	93.21	0.11
5627.00	17.38	9.82	5598.63	158.59 N	97.04 E	98.25	0.37
5716.00	16.95	9.70	5683.67	184.48 N	101.49 E	102.91	0.48
5806.00	17.07	10.26	5769.73	210.41 N	106.06 E	107.67	0.22
5895.00	17.20	9.74	5854.78	236.23 N	110.61 E	112.42	0.23
5985.00	16.77	9.73	5940.85	262.15 N	115.05 E	117.06	0.48
6074.00	16.93	9.58	6026.03	287.58 N	119.38 E	121.59	0.19
6164.00	16.96	7.52	6112.12	313.52 N	123.28 E	125.69	0.67
6253.00	16.83	10.29	6197.28	339.06 N	127.28 E	129.88	0.92
6343.00	16.80	9.17	6283.44	364.72 N	131.68 E	134.48	0.36
6432.00	16.27	8.78	6368.76	389.73 N	135.64 E	138.62	0.61
6522.00	16.22	8.81	6455.16	414.61 N	139.48 E	142.66	0.06
6611.00	16.32	9.45	6540.60	439.23 N	143.44 E	146.81	0.24
6701.00	16.34	9.47	6626.97	464.20 N	147.60 E	151.16	0.02
6790.00	16.30	9.89	6712.38	488.85 N	151.80 E	155.55	0.14
6880.00	16.08	10.36	6798.81	513.55 N	156.21 E	160.15	0.28
6969.00	16.32	12.02	6884.28	537.91 N	161.03 E	165.16	0.58
7059.00	16.30	12.15	6970.66	562.62 N	166.32 E	170.64	0.05
7148.00	16.52	11.80	7056.03	587.21 N	171.54 E	176.04	0.28
7238.00	16.64	12.07	7142.29	612.34 N	176.85 E	181.55	0.15
7327.00	15.55	10.81	7227.80	636.52 N	181.75 E	186.63	1.28
7417.00	14.67	9.45	7314.69	659.62 N	185.89 E	190.95	1.05
7506.00	14.71	10.33	7400.78	681.85 N	189.76 E	194.99	0.25
7596.00	14.71	10.40	7487.83	704.33 N	193.87 E	199.28	0.02
7686.00	14.19	10.47	7574.98	726.42 N	197.94 E	203.51	0.57
7775.00	13.74	9.40	7661.35	747.58 N	201.65 E	207.39	0.58
7865.00	13.37	8.48	7748.84	768.41 N	204.93 E	210.83	0.48
7955.00	13.60	9.93	7836.36	789.12 N	208.29 E	214.34	0.45
8044.00	13.23	9.57	7922.93	809.47 N	211.79 E	218.00	0.42
8133.00	12.01	9.28	8009.78	828.65 N	214.97 E	221.33	1.38
8223.00	10.69	10.24	8098.02	846.10 N	217.97 E	224.46	1.48
8313.00	9.84	9.60	8186.58	861.90 N	220.74 E	227.35	0.95
8402.00	8.75	11.26	8274.41	876.03 N	223.32 E	230.05	1.26
8492.00	7.90	10.45	8363.46	888.82 N	225.78 E	232.60	0.95
8581.00	7.17	10.46	8451.69	900.30 N	227.90 E	234.81	0.81
8671.00	6.22	7.52	8541.08	910.66 N	229.56 E	236.55	1.13
8760.00	4.51	6.42	8629.69	918.91 N	230.58 E	237.63	1.92
8850.00	2.92	3.69	8719.50	924.72 N	231.12 E	238.22	1.77
8939.00	2.04	3.75	8808.41	928.56 N	231.37 E	238.50	0.99
9029.00	1.40	5.50	8898.37	931.26 N	231.58 E	238.73	0.71
9110.00	0.43	325.95	8979.36	932.50 N	231.51 E	238.66	1.37
9124.00	0.70	61.48	8993.36	932.58 N	231.55 E	238.71	6.13

Big Eddy Unit 30E Qui-Gon 102H

Measured Depth (feet)	Inclination (degrees)	Direction (degrees)	Vertical Depth (feet)	Latitude (feet)	Departure (feet)	Vertical Section (feet)	Dogleg (deg/100ft)
9168.00	7.38	91.98	9037.23	932.62 N	234.62 E	241.77	15.42
9213.00	14.78	97.43	9081.36	931.77 N	243.21 E	250.36	16.59
9258.00	20.11	98.04	9124.27	929.95 N	256.57 E	263.70	11.85
9303.00	23.55	98.92	9166.04	927.47 N	273.12 E	280.23	7.68
9348.00	26.60	99.35	9206.79	924.44 N	291.94 E	299.03	6.79
9392.00	30.95	98.81	9245.35	921.10 N	312.85 E	319.92	9.90
9437.00	34.75	96.47	9283.15	917.88 N	337.04 E	344.08	8.90
9482.00	38.12	91.76	9319.36	916.01 N	363.68 E	370.70	9.73
9526.00	39.38	85.38	9353.68	916.72 N	391.18 E	398.21	9.51
9571.00	41.33	86.19	9387.97	918.86 N	420.24 E	427.28	4.49
9616.00	42.62	88.07	9421.43	920.36 N	450.29 E	457.35	4.00
9661.00	45.13	89.25	9453.87	921.08 N	481.47 E	488.53	5.87
9706.00	48.64	90.44	9484.62	921.16 N	514.31 E	521.37	8.04
9751.00	52.27	89.91	9513.26	921.06 N	549.01 E	556.07	8.12
9795.00	56.37	90.62	9538.92	920.89 N	584.74 E	591.80	9.41
9840.00	59.48	92.69	9562.82	919.77 N	622.85 E	629.89	7.93
9885.00	64.18	93.26	9584.06	917.71 N	662.45 E	669.48	10.50
9929.00	67.79	94.63	9601.96	914.94 N	702.54 E	709.55	8.68
9974.00	72.59	95.03	9617.21	911.37 N	744.71 E	751.69	10.70
10019.00	75.45	97.00	9629.59	906.84 N	787.73 E	794.67	7.62
10063.00	80.66	96.28	9638.70	901.86 N	830.47 E	837.37	11.95
10116.00	88.18	92.57	9643.85	897.81 N	883.02 E	889.89	15.80
10161.00	90.03	87.62	9644.55	897.73 N	928.00 E	934.86	11.74
10251.00	90.77	86.99	9643.92	901.96 N	1017.89 E	1024.79	1.08
10340.00	91.91	86.49	9641.84	907.02 N	1106.72 E	1113.66	1.40
10430.00	89.32	87.06	9640.88	912.09 N	1196.57 E	1203.54	2.95
10519.00	90.49	87.13	9641.03	916.60 N	1285.45 E	1292.45	1.32
10609.00	91.39	87.70	9639.55	920.66 N	1375.35 E	1382.38	1.18
10698.00	90.43	88.47	9638.14	923.63 N	1464.28 E	1471.33	1.38
10788.00	89.82	88.48	9637.94	926.02 N	1554.25 E	1561.32	0.68
10878.00	90.28	88.66	9637.86	928.27 N	1644.22 E	1651.30	0.55
10967.00	90.71	87.46	9637.09	931.28 N	1733.17 E	1740.27	1.43
11057.00	90.65	87.33	9636.02	935.37 N	1823.07 E	1830.20	0.16
11147.00	90.68	87.96	9634.98	939.07 N	1912.99 E	1920.14	0.70
11236.00	89.69	88.60	9634.69	941.74 N	2001.94 E	2009.12	1.32
11326.00	89.42	89.86	9635.39	942.95 N	2091.93 E	2099.11	1.43
11415.00	87.51	88.36	9637.77	944.33 N	2180.88 E	2188.07	2.73
11505.00	87.35	88.25	9641.81	946.99 N	2270.75 E	2277.96	0.22
11594.00	89.94	89.01	9643.92	949.12 N	2359.69 E	2366.91	3.03
11684.00	91.63	90.32	9642.68	949.65 N	2449.68 E	2456.90	2.38
11774.00	91.20	89.23	9640.46	950.00 N	2539.65 E	2546.87	1.30
11863.00	89.29	89.68	9640.08	950.85 N	2628.64 E	2635.86	2.20
11952.00	88.03	90.60	9642.16	950.63 N	2717.61 E	2724.83	1.75
12042.00	87.01	89.76	9646.05	950.35 N	2807.52 E	2814.74	1.47
12131.00	88.55	90.05	9649.50	950.49 N	2896.45 E	2903.67	1.76
12221.00	90.71	90.55	9650.08	950.02 N	2986.45 E	2993.65	2.46
12310.00	89.48	88.87	9649.94	950.47 N	3075.44 E	3082.65	2.34
12400.00	89.01	88.23	9651.12	952.75 N	3165.40 E	3172.63	0.88
12489.00	93.95	89.58	9648.82	954.45 N	3254.33 E	3261.56	5.75
12579.00	93.76	90.38	9642.77	954.48 N	3344.12 E	3351.35	0.91
12668.00	89.87	91.70	9639.95	952.87 N	3433.04 E	3440.26	4.62
12758.00	85.10	92.42	9643.90	949.64 N	3522.87 E	3530.06	5.36
12847.00	83.54	91.50	9652.71	946.61 N	3611.38 E	3618.54	2.03
12937.00	87.41	91.04	9659.81	944.62 N	3701.06 E	3708.21	4.33
13026.00	90.37	90.51	9661.53	943.42 N	3790.03 E	3797.16	3.38

Big Eddy Unit 30E Qui-Gon 102H

Measured Depth (feet)	Inclination (degrees)	Direction (degrees)	Vertical Depth (feet)	Latitude (feet)	Departure (feet)	Vertical Section (feet)	Dogleg (deg/100ft)
13116.00	89.57	89.77	9661.58	943.20 N	3880.02 E	3887.15	1.21
13205.00	90.96	89.86	9661.17	943.48 N	3969.02 E	3976.15	1.57
13282.00	91.14	89.62	9659.76	943.83 N	4046.01 E	4053.14	0.39
13322.00	90.85	88.73	9659.06	944.41 N	4086.00 E	4093.13	2.34
13411.00	89.36	89.45	9658.90	945.82 N	4174.98 E	4182.12	1.86
13501.00	88.65	88.36	9660.46	947.54 N	4264.95 E	4272.10	1.45
13590.00	89.24	88.68	9662.10	949.84 N	4353.90 E	4361.07	0.75
13680.00	89.54	89.22	9663.06	951.49 N	4443.88 E	4451.06	0.69
13769.00	89.05	89.04	9664.16	952.84 N	4532.87 E	4540.05	0.59
13859.00	88.91	89.53	9665.76	953.96 N	4622.84 E	4630.03	0.57
13949.00	89.82	89.64	9666.76	954.62 N	4712.84 E	4720.03	1.02
14038.00	89.64	89.16	9667.17	955.55 N	4801.83 E	4809.03	0.58
14128.00	89.97	89.01	9667.48	956.98 N	4891.82 E	4899.02	0.40
14217.00	89.67	89.69	9667.76	957.99 N	4980.81 E	4988.02	0.84
14307.00	89.10	89.54	9668.73	958.60 N	5070.80 E	5078.02	0.65
14396.00	89.41	88.67	9669.88	959.99 N	5159.78 E	5167.00	1.04
14488.00	89.26	89.71	9670.95	961.29 N	5251.77 E	5258.99	1.14
14578.00	89.04	88.78	9672.29	962.48 N	5341.75 E	5348.98	1.06
14668.00	89.97	88.00	9673.06	965.00 N	5431.71 E	5438.96	1.35
14757.00	89.75	88.36	9673.28	967.83 N	5520.66 E	5527.93	0.47
14846.00	89.29	88.70	9674.03	970.11 N	5609.63 E	5616.91	0.64
14936.00	88.40	87.87	9675.84	972.81 N	5699.57 E	5706.87	1.35
15025.00	88.64	89.53	9678.14	974.83 N	5788.51 E	5795.83	1.88
15115.00	85.84	88.69	9682.47	976.22 N	5878.39 E	5885.71	3.25
15204.00	87.81	89.45	9687.40	977.66 N	5967.24 E	5974.57	2.37
15294.00	90.15	89.78	9689.01	978.27 N	6057.21 E	6064.55	2.63
15383.00	88.86	90.22	9689.77	978.27 N	6146.21 E	6153.54	1.53
15473.00	91.08	90.14	9689.82	977.98 N	6236.20 E	6243.53	2.47
15563.00	90.43	88.90	9688.64	978.74 N	6326.19 E	6333.52	1.56
15652.00	90.83	87.18	9687.66	981.78 N	6415.13 E	6422.48	1.98
15742.00	89.69	87.03	9687.25	986.33 N	6505.01 E	6512.39	1.28
15832.00	88.86	90.73	9688.39	988.09 N	6594.97 E	6602.36	4.21
15921.00	87.53	92.15	9691.19	985.85 N	6683.89 E	6691.27	2.19
16010.00	88.46	92.21	9694.30	982.47 N	6772.77 E	6780.12	1.05
16100.00	89.66	91.79	9695.78	979.33 N	6862.70 E	6870.02	1.41
16190.00	89.85	91.77	9696.17	976.53 N	6952.66 E	6959.95	0.21
16279.00	90.87	91.67	9695.61	973.86 N	7041.62 E	7048.89	1.15
16369.00	91.79	91.42	9693.52	971.43 N	7131.56 E	7138.81	1.06
16458.00	91.75	90.94	9690.77	969.60 N	7220.50 E	7227.73	0.54
16548.00	89.63	89.77	9689.69	969.05 N	7310.48 E	7317.71	2.69
16637.00	90.37	88.83	9689.69	970.13 N	7399.47 E	7406.71	1.34
16727.00	89.69	87.86	9689.64	972.73 N	7489.43 E	7496.68	1.32
16816.00	90.87	88.48	9689.20	975.57 N	7578.39 E	7585.65	1.50
16906.00	91.57	88.55	9687.29	977.91 N	7668.33 E	7675.62	0.78
16995.00	88.83	87.11	9686.98	981.28 N	7757.26 E	7764.57	3.48
17085.00	92.16	88.42	9686.20	984.79 N	7847.17 E	7854.50	3.98
17174.00	93.58	88.48	9681.74	987.19 N	7936.03 E	7943.37	1.60
17264.00	91.51	87.60	9677.75	990.26 N	8025.88 E	8033.25	2.50
17353.00	90.09	85.86	9676.50	995.34 N	8114.72 E	8122.13	2.52
17443.00	90.37	86.33	9676.14	1001.47 N	8204.51 E	8211.96	0.61
17517.00	91.66	87.71	9674.83	1005.32 N	8278.40 E	8285.87	2.55
17562.00	91.63	87.20	9673.54	1007.31 N	8323.33 E	8330.82	1.13
17652.00	89.57	89.26	9672.60	1010.09 N	8413.27 E	8420.78	3.24
17741.00	90.22	91.04	9672.76	1009.86 N	8502.27 E	8509.77	2.13
17830.00	89.44	90.34	9673.03	1008.79 N	8591.26 E	8598.76	1.18

<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>
17919.00	86.98	92.53	9675.80	1006.56 N	8680.18 E	8687.65	3.70
18009.00	86.64	92.20	9680.81	1002.85 N	8769.96 E	8777.41	0.53
18098.00	86.54	91.99	9686.11	999.61 N	8858.75 E	8866.16	0.26
18188.00	85.68	92.96	9692.21	995.73 N	8948.45 E	8955.83	1.44
18277.00	86.39	93.16	9698.37	990.99 N	9037.11 E	9044.46	0.83
18366.00	89.87	92.20	9701.27	986.83 N	9125.95 E	9133.26	4.06
18456.00	90.37	91.57	9701.08	983.87 N	9215.90 E	9223.19	0.89
18545.00	90.62	90.46	9700.31	982.29 N	9304.88 E	9312.15	1.28
18635.00	89.91	90.21	9699.90	981.77 N	9394.88 E	9402.14	0.84
18724.00	88.89	89.34	9700.83	982.12 N	9483.87 E	9491.14	1.51
18813.00	87.13	88.11	9703.92	984.10 N	9572.79 E	9580.07	2.41
18903.00	88.49	88.56	9707.36	986.71 N	9662.69 E	9669.98	1.59
18992.00	89.85	89.04	9708.65	988.57 N	9751.66 E	9758.96	1.62
19082.00	91.91	89.18	9707.27	989.97 N	9841.63 E	9848.94	2.29
19172.00	91.60	88.41	9704.51	991.86 N	9931.57 E	9938.89	0.92
19207.00	91.17	88.32	9703.66	992.86 N	9966.54 E	9973.87	1.26
19287.00	91.17	88.32	9702.03	995.21 N	10046.49 E	10053.84	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 89.56 DEGREES (GRID)
A TOTAL CORRECTION OF 6.64 DEG FROM MAGNETIC NORTH TO GRID NORTH HAS BEEN APPLIED

HORIZONTAL DISPLACEMENT IS RELATIVE TO THE WELL HEAD.
HORIZONTAL DISPLACEMENT(CLOSURE) AT 19287.00 FEET
IS 10095.66 FEET ALONG 84.34 DEGREES (GRID)

SURVEYS CALCULATED USING SHORT COLLAR METHOD.
SURVEYS PROVIDED BY SPERRY DRILLING MWD.
SPERRY DRILLING ENGINEERS: BREIDIN LOZADA, BENJAMIN IDUKU.

SURVEYS FROM 149' MD TO 19287' MD PROVIDED BY HALLIBURTON SPERRY DRILLING. THE
FINAL SURVEY IS A PROJECTION TO THE BIT.