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

EMNRD-Rec'd: 09/29/2020

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	2 Pool Code	3 Pool Name
30-015- 44894	98220	PURPLE SAGE; WOLFCAMP

4 Property Code	5 Property Name	6 Well Number
325593	POKER LAKE UNIT 18 BD	122H

7 OGRID No.	8 Operator Name	9 Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,168'

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
2	18	25 S	30 E		2,310	NORTH	1,275	WEST	EDDY

11 Bottom Hole Location If Different From Surface

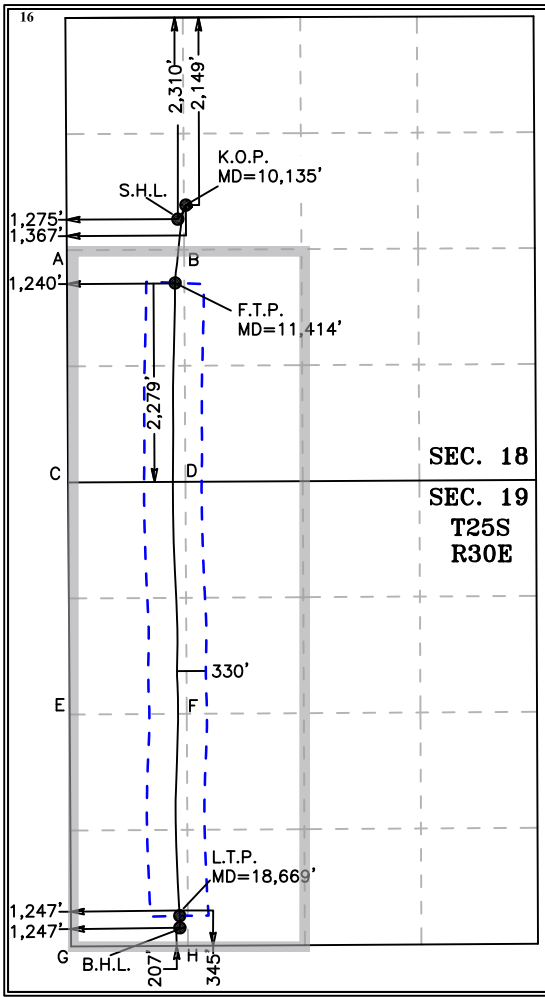
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	19	25 S	30 E		207	SOUTH	1,247	WEST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
482.62			

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= 411,668.2
X= 667,646.3
LAT.= 32.131097°N
LONG.= 103.925290°W

GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION
Y= 411,609.9
X= 626,461.7
LAT.= 32.130973°N
LONG.= 103.924805°W

K.O.P. NAD 83 NME
Y= 411,829.5
X= 667,737.6
LAT.= 32.131540°N
LONG.= 103.924993°W

K.O.P. NAD 27 NME
Y= 411,771.2
X= 626,553.0
LAT.= 32.131200°N
LONG.= 103.791946°W

FIRST TAKE POINT NAD 83 NME
Y= 410,937.8
X= 667,615.3
LAT.= 32.129090N
LONG.= 103.925399°W

FIRST TAKE POINT. NAD 27 NME
Y= 410,879.5
X= 626,430.6
LAT.= 32.128751°N
LONG.= 103.792356°W

CORNER COORDINATES TABLE NAD 27 NME
A – Y= 411,254.3 N, X= 625,189.0 E
B – Y= 411,260.5 N, X= 626,533.3 E
C – Y= 408,594.2 N, X= 625,204.2 E
D – Y= 408,601.2 N, X= 626,548.3 E
E – Y= 405,935.1 N, X= 625,221.5 E
F – Y= 405,943.0 N, X= 626,563.0 E
G – Y= 403,277.4 N, X= 625,238.2 E
H – Y= 403,285.0 N, X= 626,577.4 E

CORNER COORDINATES TABLE NAD 83 NME
A – Y= 411,312.6 N, X= 666,373.6 E
B – Y= 411,318.8 N, X= 667,717.9 E
C – Y= 408,652.4 N, X= 666,388.9 E
D – Y= 408,659.4 N, X= 667,733.0 E
E – Y= 405,993.3 N, X= 666,406.3 E
F – Y= 406,001.2 N, X= 667,747.8 E
G – Y= 403,335.5 N, X= 666,423.1 E
H – Y= 403,343.1 N, X= 667,762.3 E

LAST TAKE POINT NAD 83 NME
Y= 403,688.0
X= 667,668.2
LAT.= 32.109160°N
LONG.= 103.925317°W

LAST TAKE POINT NAD 27 NME
Y= 403,629.9
X= 626,483.3
LAT.= 32.109036°N
LONG.= 103.924833°W

BOTTOM HOLE LOCATION NAD 83 NME
Y= 403,812.6
X= 667,659.1
LAT.– 32.109503°N
LONG.= 103.925344°W

BOTTOM HOLE LOCATION NAD 27 NME
Y= 403,492.0
X= 626,484.0
LAT.= 32.108657°N
LONG.= 103.924832°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.

2/13/20
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.

2-12-2019
Date of Survey

Signatue and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number JC 2017050633

P:\PROJECTS\2017\2017050633-XTO-PLU_18_BRUSHY_DRAW_122H-EDDY\DWG\2017050633-XTO-PLU_18_BRUSHY_DRAW_122H_AS-DRILL.dwg

Intent [ ] As Drilled [XX]

API #
30-015-44894

Operator Name:	Property Name:	Well Number
XTO Permian Operating, LLC	Poker Lake Unit 18 BD	122H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
F	18	25S	30E		2149	North	1367	West	Eddy

Latitude	Longitude	NAD
32.131540	103.924993	83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
L	18	25S	30E		2279	South	1240	West	Eddy

Latitude	Longitude	NAD
32.129090	103.925399	83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	19	25S	30E		345	South	1247	West	Eddy

Latitude	Longitude	NAD
32.109160	103.925317	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 #
30-015-44891

Operator Name:	Property Name:	Well Number
XTO Permian Operating, LLC	Poker Lake Unit 18 BD	103H

KZ 06/29/2018

State of New Mexico
County of Eddy

I, Jeremy Esqueda, certify that: I am employed by WellBenders Directional Services LLC; that I did on the day(s) of September 21, 2018 through October 11, 2018 conduct or supervise the taking of MWD Directional Survey from a depth of 0 feet to a depth of 9,451feet; that the data is true, correct, complete and within the limitations of the tool as set ,forth by WellBenders Directional Services LLC; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy Inc. for the State of New Mexico; Well: Poker Lake Unit 18 Brushy Draw 122H in Eddy County; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by WellBenders Directional Services LLC.

Jeremy Esqueda
(Sign Name)

Jeremy Esqueda
MWD Manager

7821 Will Rogers Blvd.
Fort Worth, Texas 76140
817.568.1038 (office)
817.568.1499 (fax)
www.msdir.com

MS Directional Survey Data Certification

MS Directional Job Number:	MSMO-56741
Survey Type:	MWD
Operating Company:	Bopco, LP
Well Name & Number:	Poker Lake Unit 18 Brush 122H
Location:	Eddy County, NM
API Number:	30-015-44894
Tie In Depth:	9,451' MD
Surveyed Depths:	9,561' – 18,758' MD
Projected TD Survey:	18,807' MD
Dates Performed:	10/14/2018 – 10/27/2018

I certify that the data is true, correct and complete and within the limitations of the tool set forth by MS Directional; that I am authorized and qualified to make this report and that I have reviewed this report and find it conforms to the principles and procedures as set forth by MS Directional.

Digitally signed by: _____

MWD Surveyor Name: Carlos Coscio

Date: 11-09-2018

Email: ccoscio@msdir.com

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MS Directional

V09.04.02

SURVEY CALCULATION PROGRAM

11/8/18 14:56

Company:	Bopco, LP			
Well Name:	Poker Lake Unit 18 Brush 122H			
Location:	Eddy County, NM			
Rig:	Frontier #17	Magnetic Declination:	6.83	REFERENCED TO GRID NORTH
Job Number:	MSMO-56741			
API #:	30-015-44894			
Vertical Section Azimuth:	179.65	Proposed Direction:	179.65	
Survey Calculation Method:	Minimum Curvature			

PTB:	MD	INC	AZM	TVD	N/S	E/W	VS
	18,807	91.2	179.7	10926.33	-8118.9	22.95	8118.89

#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance	Closure Azm	DLS/ 100	BUR/ 100'
TIE IN	9,451	2.30	292.50	9444.62	161.30	108.68		194.50	33.97		
1	9,561	2.40	284.10	9554.53	162.71	104.41	-162.06	193.32	32.69	0.33	0.09
2	9,660	0.40	259.10	9653.49	163.15	102.06	-162.52	192.44	32.03	2.07	-2.02
3	9,753	0.70	272.70	9746.49	163.11	101.17	-162.49	191.94	31.81	0.35	0.32
4	9,847	1.00	271.50	9840.48	163.16	99.78	-162.55	191.25	31.45	0.32	0.32
5	9,943	1.20	271.70	9936.46	163.21	97.93	-162.61	190.34	30.97	0.21	0.21
6	10,038	1.50	269.90	10031.43	163.24	95.70	-162.65	189.22	30.38	0.32	0.32
7	10,070	1.60	272.10	10063.42	163.25	94.83	-162.67	188.80	30.15	0.36	0.31
8	10,102	3.20	257.40	10095.39	163.08	93.51	-162.50	187.99	29.83	5.32	5.00
9	10,134	5.90	231.20	10127.29	161.85	91.36	-161.29	185.85	29.44	10.44	8.44
10	10,166	9.20	217.90	10159.01	158.80	88.51	-158.26	181.80	29.13	11.60	10.31
11	10,227	11.90	209.90	10218.98	149.50	82.37	-148.99	170.69	28.85	5.03	4.43
12	10,276	17.00	203.40	10266.42	138.54	77.01	-138.06	158.50	29.07	10.91	10.41
13	10,322	19.30	207.90	10310.13	125.64	70.78	-125.21	144.21	29.39	5.85	5.00
14	10,367	24.20	201.20	10351.92	110.46	63.96	-110.07	127.64	30.07	12.19	10.89
15	10,417	31.80	193.60	10396.05	88.06	57.14	-87.71	104.98	32.98	16.76	15.20
16	10,462	37.20	187.40	10433.13	63.02	52.60	-62.70	82.09	39.85	14.30	12.00
17	10,511	38.80	186.70	10471.74	33.08	48.90	-32.78	59.04	55.92	3.38	3.27
18	10,556	39.90	187.80	10506.54	4.78	45.29	-4.50	45.55	83.98	2.89	2.44
19	10,606	41.20	187.30	10544.53	-27.44	41.02	27.69	49.36	123.78	2.68	2.60
20	10,645	44.50	186.70	10573.12	-53.76	37.80	53.99	65.72	144.89	8.53	8.46
21	10,700	47.30	187.80	10611.39	-92.94	32.80	93.14	98.56	160.56	5.29	5.09
22	10,745	49.20	187.40	10641.36	-126.22	28.37	126.39	129.36	167.33	4.27	4.22
23	10,795	53.40	185.50	10672.61	-164.98	24.00	165.12	166.72	171.72	8.91	8.40
24	10,840	58.30	184.30	10697.87	-202.07	20.83	202.20	203.15	174.11	11.11	10.89
25	10,890	60.60	182.90	10723.28	-245.04	18.14	245.15	245.71	175.77	5.19	4.60
26	10,935	62.40	185.20	10744.75	-284.49	15.34	284.57	284.90	176.91	6.01	4.00
27	10,986	62.20	186.90	10768.46	-329.39	10.58	329.45	329.56	178.16	2.98	-0.39
28	11,032	62.60	186.30	10789.77	-369.88	5.89	369.91	369.93	179.09	1.45	0.87
29	11,081	61.90	185.90	10812.59	-413.00	1.29	413.00	413.00	179.82	1.60	-1.43
30	11,126	61.90	185.80	10833.78	-452.49	-2.76	452.46	452.50	180.35	0.20	0.00
31	11,173	68.60	187.20	10853.45	-494.87	-7.60	494.82	494.93	180.88	14.51	14.26
32	11,218	76.40	187.30	10866.97	-537.41	-13.02	537.32	537.57	181.39	17.33	17.33
33	11,268	83.30	186.50	10875.78	-586.24	-18.92	586.12	586.55	181.85	13.89	13.80

MS Directional
V09.04.02

SURVEY CALCULATION PROGRAM

11/8/18 14:56

Company:	Bopco, LP			
Well Name:	Poker Lake Unit 18 Brush 122H			
Location:	Eddy County, NM			
Rig:	Frontier #17	Magnetic Declination:	6.83	REFERENCED TO GRID NORTH
Job Number:	MSMO-56741			
API #:	30-015-44894			
Vertical Section Azimuth:	179.65	Proposed Direction:	179.65	
Survey Calculation Method:	Minimum Curvature			

PTB:	MD	INC	AZM	TVD	N/S	E/W	VS
	18,807	91.2	179.7	10926.33	-8118.9	22.95	8118.89

#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance	Closure Azm	DLS/ 100	BUR/ 100'
34	11,364	85.70	184.50	10884.98	-681.35	-28.08	681.17	681.93	182.36	3.25	2.50
35	11,458	89.40	180.20	10889.00	-775.15	-31.92	774.94	775.80	182.36	6.03	3.94
36	11,559	89.90	180.10	10889.62	-876.14	-32.18	875.93	876.74	182.10	0.50	0.50
37	11,654	90.20	180.40	10889.53	-971.14	-32.60	970.93	971.69	181.92	0.45	0.32
38	11,750	89.40	181.50	10889.87	-1067.13	-34.19	1066.90	1067.67	181.84	1.42	-0.83
39	11,846	88.60	181.40	10891.54	-1163.08	-36.62	1162.84	1163.66	181.80	0.84	-0.83
40	11,941	89.50	181.60	10893.12	-1258.03	-39.11	1257.77	1258.64	181.78	0.97	0.95
41	12,037	88.20	181.60	10895.05	-1353.98	-41.79	1353.70	1354.62	181.77	1.35	-1.35
42	12,131	88.60	181.30	10897.67	-1447.91	-44.16	1447.61	1448.58	181.75	0.53	0.43
43	12,225	89.30	181.00	10899.39	-1541.87	-46.05	1541.56	1542.56	181.71	0.81	0.74
44	12,321	88.20	181.60	10901.49	-1637.82	-48.23	1637.50	1638.53	181.69	1.31	-1.15
45	12,416	88.80	181.60	10903.97	-1732.75	-50.88	1732.41	1733.50	181.68	0.63	0.63
46	12,509	89.50	181.10	10905.35	-1825.72	-53.07	1825.36	1826.49	181.66	0.92	0.75
47	12,603	89.80	180.60	10905.93	-1919.70	-54.46	1919.34	1920.48	181.63	0.62	0.32
48	12,699	88.40	180.30	10907.44	-2015.69	-55.22	2015.31	2016.44	181.57	1.49	-1.46
49	12,793	88.70	179.80	10909.81	-2109.66	-55.30	2109.28	2110.38	181.50	0.62	0.32
50	12,887	89.50	179.70	10911.29	-2203.64	-54.89	2203.27	2204.33	181.43	0.86	0.85
51	12,982	90.30	179.80	10911.46	-2298.64	-54.48	2298.27	2299.29	181.36	0.85	0.84
52	13,078	91.10	179.80	10910.28	-2394.63	-54.14	2394.26	2395.24	181.30	0.83	0.83
53	13,173	90.00	179.40	10909.37	-2489.62	-53.48	2489.25	2490.20	181.23	1.23	-1.16
54	13,269	91.10	180.10	10908.45	-2585.62	-53.06	2585.24	2586.16	181.18	1.36	1.15
55	13,364	91.50	179.90	10906.29	-2680.59	-53.06	2680.22	2681.12	181.13	0.47	0.42
56	13,459	90.20	180.70	10904.89	-2775.58	-53.56	2775.20	2776.09	181.11	1.61	-1.37
57	13,555	91.00	180.70	10903.88	-2871.56	-54.73	2871.18	2872.09	181.09	0.83	0.83
58	13,649	92.50	181.00	10901.01	-2965.51	-56.12	2965.11	2966.04	181.08	1.63	1.60
59	13,745	92.40	180.00	10896.91	-3061.42	-56.96	3061.01	3061.94	181.07	1.05	-0.10
60	13,839	90.70	179.10	10894.36	-3155.37	-56.22	3154.97	3155.87	181.02	2.05	-1.81
61	13,932	91.60	179.00	10892.50	-3248.34	-54.68	3247.95	3248.80	180.96	0.97	0.97
62	14,027	93.10	179.00	10888.60	-3343.24	-53.02	3342.86	3343.66	180.91	1.58	1.58
63	14,121	90.20	178.70	10885.90	-3437.18	-51.14	3436.80	3437.56	180.85	3.10	-3.09
64	14,217	91.00	179.10	10884.89	-3533.15	-49.29	3532.78	3533.50	180.80	0.93	0.83
65	14,311	89.50	178.30	10884.48	-3627.12	-47.16	3626.77	3627.43	180.74	1.81	-1.60
66	14,406	89.40	177.70	10885.39	-3722.06	-43.85	3721.72	3722.32	180.67	0.64	-0.11
67	14,500	90.30	178.10	10885.64	-3816.00	-40.40	3815.68	3816.21	180.61	1.05	0.96

MS Directional
V09.04.02

SURVEY CALCULATION PROGRAM

11/8/18 14:56

Company:	Bopco, LP			
Well Name:	Poker Lake Unit 18 Brush 122H			
Location:	Eddy County, NM			
Rig:	Frontier #17	Magnetic Declination:	6.83	REFERENCED TO GRID NORTH
Job Number:	MSMO-56741			
API #:	30-015-44894			
Vertical Section Azimuth:	179.65	Proposed Direction:	179.65	
Survey Calculation Method:	Minimum Curvature			

PTB:	MD	INC	AZM	TVD	N/S	E/W	VS
	18,807	91.2	179.7	10926.33	-8118.9	22.95	8118.89

#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance	Closure Azm	DLS/ 100	BUR/ 100'
68	14,594	89.00	178.30	10886.21	-3909.95	-37.45	3909.64	3910.13	180.55	1.40	-1.38
69	14,689	88.00	177.80	10888.70	-4004.86	-34.22	4004.57	4005.00	180.49	1.18	-1.05
70	14,784	88.30	177.20	10891.77	-4099.72	-30.08	4099.46	4099.83	180.42	0.71	0.32
71	14,878	88.50	177.10	10894.39	-4193.56	-25.40	4193.33	4193.64	180.35	0.24	0.21
72	14,972	89.90	177.10	10895.70	-4287.43	-20.65	4287.23	4287.48	180.28	1.49	1.49
73	15,067	91.10	177.20	10894.87	-4382.31	-15.93	4382.13	4382.34	180.21	1.27	1.26
74	15,162	89.50	177.20	10894.38	-4477.19	-11.29	4477.04	4477.21	180.14	1.68	-1.68
75	15,257	87.80	177.20	10896.61	-4572.05	-6.65	4571.92	4572.05	180.08	1.79	-1.79
76	15,352	90.40	178.70	10898.11	-4666.96	-3.25	4666.86	4666.97	180.04	3.16	2.74
77	15,448	89.50	179.40	10898.19	-4762.95	-1.66	4762.85	4762.95	180.02	1.19	-0.94
78	15,544	88.20	181.40	10900.12	-4858.92	-2.33	4858.82	4858.92	180.03	2.48	-1.35
79	15,638	88.40	181.00	10902.91	-4952.86	-4.29	4952.74	4952.86	180.05	0.48	0.21
80	15,733	89.20	181.30	10904.90	-5047.82	-6.20	5047.69	5047.82	180.07	0.90	0.84
81	15,829	89.00	180.40	10906.40	-5143.79	-7.62	5143.65	5143.80	180.08	0.96	-0.21
82	15,924	88.00	179.00	10908.89	-5238.76	-7.13	5238.62	5238.76	180.08	1.81	-1.05
83	16,017	88.70	179.00	10911.57	-5331.70	-5.51	5331.57	5331.71	180.06	0.75	0.75
84	16,111	88.20	178.20	10914.11	-5425.64	-3.21	5425.52	5425.64	180.03	1.00	-0.53
85	16,206	88.30	177.10	10917.01	-5520.51	0.68	5520.42	5520.51	179.99	1.16	0.11
86	16,302	89.70	178.70	10918.69	-5616.43	4.20	5616.35	5616.43	179.96	2.21	1.46
87	16,396	90.00	179.70	10918.93	-5710.42	5.51	5710.35	5710.42	179.94	1.11	0.32
88	16,491	90.00	181.40	10918.93	-5805.41	4.60	5805.33	5805.41	179.95	1.79	0.00
89	16,587	90.90	181.50	10918.18	-5901.38	2.17	5901.28	5901.38	179.98	0.94	0.94
90	16,681	91.50	182.00	10916.21	-5995.31	-0.70	5995.20	5995.31	180.01	0.83	0.64
91	16,775	91.80	182.30	10913.50	-6089.21	-4.22	6089.07	6089.21	180.04	0.45	0.32
92	16,869	91.80	183.00	10910.55	-6183.06	-8.57	6182.89	6183.06	180.08	0.74	0.00
93	16,964	91.60	182.50	10907.73	-6277.91	-13.12	6277.71	6277.92	180.12	0.57	-0.21
94	17,058	92.40	181.60	10904.45	-6371.79	-16.48	6371.57	6371.81	180.15	1.28	0.85
95	17,153	89.70	181.60	10902.71	-6466.73	-19.14	6466.49	6466.75	180.17	2.84	-2.84
96	17,248	89.90	181.40	10903.04	-6561.69	-21.62	6561.44	6561.73	180.19	0.30	0.21
97	17,342	90.00	181.20	10903.13	-6655.67	-23.75	6655.40	6655.71	180.20	0.24	0.11
98	17,437	87.50	180.30	10905.20	-6750.63	-25.00	6750.35	6750.68	180.21	2.80	-2.63
99	17,531	87.20	179.40	10909.54	-6844.53	-24.75	6844.25	6844.57	180.21	1.01	-0.32
100	17,626	87.70	178.70	10913.77	-6939.42	-23.18	6939.15	6939.46	180.19	0.90	0.53
101	17,720	87.90	178.60	10917.38	-7033.32	-20.97	7033.06	7033.36	180.17	0.24	0.21

MS Directional

V09.04.02

SURVEY CALCULATION PROGRAM

11/8/18 14:56

Company:	Bopco, LP			
Well Name:	Poker Lake Unit 18 Brush 122H			
Location:	Eddy County, NM			
Rig:	Frontier #17	Magnetic Declination:	6.83	REFERENCED TO GRID NORTH
Job Number:	MSMO-56741			
API #:	30-015-44894			
Vertical Section Azimuth:	179.65	Proposed Direction:	179.65	
Survey Calculation Method:	Minimum Curvature			

PTB:	MD	INC	AZM	TVD	N/S	E/W	VS
	18,807	91.2	179.7	10926.33	-8118.9	22.95	8118.89

#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance	Closure Azm	DLS/ 100	BUR/ 100'
102	17,815	88.90	178.70	10920.03	-7128.26	-18.73	7128.01	7128.28	180.15	1.06	1.05
103	17,909	89.70	178.70	10921.18	-7222.23	-16.60	7221.99	7222.25	180.13	0.85	0.85
104	18,003	89.10	177.40	10922.16	-7316.17	-13.40	7315.95	7316.18	180.10	1.52	-0.64
105	18,098	88.30	176.50	10924.32	-7411.00	-8.34	7410.82	7411.01	180.06	1.27	-0.84
106	18,192	89.20	177.70	10926.37	-7504.86	-3.59	7504.70	7504.86	180.03	1.60	0.96
107	18,287	90.00	177.80	10927.03	-7599.78	0.14	7599.64	7599.78	180.00	0.85	0.84
108	18,381	89.90	177.90	10927.12	-7693.72	3.67	7693.60	7693.72	179.97	0.15	-0.11
109	18,476	89.50	177.80	10927.61	-7788.65	7.23	7788.55	7788.65	179.95	0.43	-0.42
110	18,569	89.10	172.10	10928.75	-7881.24	15.41	7881.19	7881.26	179.89	6.14	-0.43
111	18,664	90.70	179.70	10928.92	-7975.93	22.20	7975.91	7975.96	179.84	8.18	1.68
112	18,758	91.20	179.70	10927.36	-8069.91	22.69	8069.90	8069.94	179.84	0.53	0.53
PTB:	18,807	91.20	179.70	10926.33	-8118.90	22.95	8118.89	8118.93	179.84	0.00	0.00