

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. NMNM25533
2. Name of Operator XTO PERMIAN OPERATING LLC		6. If Indian, Allottee or Tribe Name
Contact: KELLY KARDOS E-Mail: kelly_kardos@xtoenergy.com		7. If Unit or CA/Agreement, Name and/or No. 891000303X
3a. Address 6401 HOLIDAY HILL ROAD BLDG 5 MIDLAND, TX 79707	3b. Phone No. (include area code) Ph: 432-620-4374	8. Well Name and No. POKER LAKE UNIT 18 TWR 128H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T24S R31E NENE 140FNL 566FEL		9. API Well No. 30-015-46606-00-X1
		10. Field and Pool or Exploratory Area PURPLE SAGE-WOLFCAMP (GAS)
		11. County or Parish, State EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

XTO Permian Operating, LLC requests permission to make the following changes to the APD:

Change well name from Poker Lake Unit 18 TWR 167H to Poker Lake Unit 18 TWR 128H.

Change SHL from 140'FNL & 816'FEL to 140'FNL & 566'FEL

Change BHL from 200'FSL & 750'FEL to 200'FSL & 330'FEL

XTO requests a variance to batch drill this well if necessary. In doing so, XTO will set each casing string and ensure that the well is cemented properly and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per GE recommendations, XTO will contact the BLM to skid the rig to drill the remaining wells on the pad.

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #506512 verified by the BLM Well Information System For XTO PERMIAN OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by JUANA MEDRANO on 03/11/2020 (20JM0058SE)	
Name (Printed/Typed) KELLY KARDOS	Title REGULATORY COORDINATOR
Signature (Electronic Submission)	Date 03/10/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS	Title PETROLEUM ENGINEER	Date 03/17/2020
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Carlsbad

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

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Accepted 03/27/2020 - Kurt Simmons NMOC

Additional data for EC transaction #506512 that would not fit on the form

32. Additional remarks, continued

Once surface and intermediate strings are all completed, XTO will begin drilling the production hole on each of the wells.

Attachments:

Updated C102 / C102 Supplement

Updated Directional Plan

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46606	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp
⁴ Property Code	⁵ Property Name POKER LAKE UNIT 18 TWR	⁶ Well Number 128H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC	⁹ Elevation 3,498'

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
A	19	24 S	31 E		140	NORTH	566	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
P	30	24 S	31 E		200	SOUTH	330	EAST	EDDY

¹² Dedicated Acres 640	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.

	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 440,351.6 X= 661,941.3 LAT.= 32.209559°N LONG.= 103.809742°W FIRST TAKE POINT NAD 27 NME Y= 440,162.6 X= 662,179.3 LAT.= 32.209037°N LONG.= 103.808976°W CORNER COORDINATES TABLE NAD 27 NME <table border="1"> <tr><td>A - Y= 440,494.2 N, X= 662,506.4 E</td></tr> <tr><td>B - Y= 440,487.8 N, X= 661,187.0 E</td></tr> <tr><td>C - Y= 437,851.8 N, X= 662,529.4 E</td></tr> <tr><td>D - Y= 437,845.0 N, X= 661,207.2 E</td></tr> <tr><td>E - Y= 435,213.4 N, X= 662,541.9 E</td></tr> <tr><td>F - Y= 435,205.2 N, X= 661,222.1 E</td></tr> <tr><td>G - Y= 432,572.6 N, X= 662,560.6 E</td></tr> <tr><td>H - Y= 432,564.4 N, X= 661,240.5 E</td></tr> <tr><td>I - Y= 429,931.2 N, X= 662,578.2 E</td></tr> <tr><td>J - Y= 429,923.2 N, X= 661,258.2 E</td></tr> </table> CORNER COORDINATES TABLE NAD 83 NME <table border="1"> <tr><td>A - Y= 440,553.0 N, X= 703,690.4 E</td></tr> <tr><td>B - Y= 440,546.6 N, X= 702,371.0 E</td></tr> <tr><td>C - Y= 437,910.5 N, X= 703,713.5 E</td></tr> <tr><td>D - Y= 437,903.7 N, X= 702,391.3 E</td></tr> <tr><td>E - Y= 435,272.1 N, X= 703,726.1 E</td></tr> <tr><td>F - Y= 435,263.9 N, X= 702,406.3 E</td></tr> <tr><td>G - Y= 432,631.2 N, X= 703,744.9 E</td></tr> <tr><td>H - Y= 432,623.0 N, X= 702,424.8 E</td></tr> <tr><td>I - Y= 429,989.7 N, X= 703,762.6 E</td></tr> <tr><td>J - Y= 429,981.7 N, X= 702,442.6 E</td></tr> </table> LAST TAKE POINT NAD 27 NME Y= 430,259.2 X= 662,246.0 LAT.= 32.181812°N LONG.= 103.808916°W BOTTOM HOLE LOCATION NAD 27 NME Y= 430,129.2 X= 662,246.9 LAT.= 32.181455°N LONG.= 103.808915°W	A - Y= 440,494.2 N, X= 662,506.4 E	B - Y= 440,487.8 N, X= 661,187.0 E	C - Y= 437,851.8 N, X= 662,529.4 E	D - Y= 437,845.0 N, X= 661,207.2 E	E - Y= 435,213.4 N, X= 662,541.9 E	F - Y= 435,205.2 N, X= 661,222.1 E	G - Y= 432,572.6 N, X= 662,560.6 E	H - Y= 432,564.4 N, X= 661,240.5 E	I - Y= 429,931.2 N, X= 662,578.2 E	J - Y= 429,923.2 N, X= 661,258.2 E	A - Y= 440,553.0 N, X= 703,690.4 E	B - Y= 440,546.6 N, X= 702,371.0 E	C - Y= 437,910.5 N, X= 703,713.5 E	D - Y= 437,903.7 N, X= 702,391.3 E	E - Y= 435,272.1 N, X= 703,726.1 E	F - Y= 435,263.9 N, X= 702,406.3 E	G - Y= 432,631.2 N, X= 703,744.9 E	H - Y= 432,623.0 N, X= 702,424.8 E	I - Y= 429,989.7 N, X= 703,762.6 E	J - Y= 429,981.7 N, X= 702,442.6 E	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 440,410.4 X= 703,125.3 LAT.= 32.209683°N LONG.= 103.810226°W FIRST TAKE POINT NAD 83 NME Y= 440,221.4 X= 703,363.3 LAT.= 32.209160°N LONG.= 103.809460°W LAST TAKE POINT NAD 83 NME Y= 430,317.7 X= 703,430.4 LAT.= 32.181936°N LONG.= 103.809399°W BOTTOM HOLE LOCATION NAD 83 NME Y= 430,187.7 X= 703,431.3 LAT.= 32.181578°N LONG.= 103.809398°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. <i>Stephanie Rabadue</i> 04/29/2019 Signature Date Stephanie Rabadue Printed Name stephanie_rabadue@xtoenergy.com E-mail Address
	A - Y= 440,494.2 N, X= 662,506.4 E																						
	B - Y= 440,487.8 N, X= 661,187.0 E																						
	C - Y= 437,851.8 N, X= 662,529.4 E																						
D - Y= 437,845.0 N, X= 661,207.2 E																							
E - Y= 435,213.4 N, X= 662,541.9 E																							
F - Y= 435,205.2 N, X= 661,222.1 E																							
G - Y= 432,572.6 N, X= 662,560.6 E																							
H - Y= 432,564.4 N, X= 661,240.5 E																							
I - Y= 429,931.2 N, X= 662,578.2 E																							
J - Y= 429,923.2 N, X= 661,258.2 E																							
A - Y= 440,553.0 N, X= 703,690.4 E																							
B - Y= 440,546.6 N, X= 702,371.0 E																							
C - Y= 437,910.5 N, X= 703,713.5 E																							
D - Y= 437,903.7 N, X= 702,391.3 E																							
E - Y= 435,272.1 N, X= 703,726.1 E																							
F - Y= 435,263.9 N, X= 702,406.3 E																							
G - Y= 432,631.2 N, X= 703,744.9 E																							
H - Y= 432,623.0 N, X= 702,424.8 E																							
I - Y= 429,989.7 N, X= 703,762.6 E																							
J - Y= 429,981.7 N, X= 702,442.6 E																							
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. 4-25-2019 Date of Survey Signature and Seal of Professional Surveyor: <i>[Signature]</i> MARK DILLON HARP 23786 Certificate Number JC 2018010192																							

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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

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



XTO Energy

**Eddy County, NM (NAD-27)
Poker Lake Unit 18 TWR
#128H**

Wellbore #1

Plan: PERMIT

Standard Planning Report

02 May, 2019



Project: Eddy County, NM (NAD-27)
Site: Poker Lake Unit 18 TWR
Well: #128H
Wellbore: Wellbore #1
Design: PERMIT

PROJECT DETAILS: Eddy County, NM (NAD-27)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: #128H

	Rig Name:	
	RKB= 25' @ 3523.00usft	
	Ground Level: 3498.00	
+N/-S	+E/-W	Northing
0.00	0.00	440351.60
		Easting
		661941.30
		Latitude
		32.2095594
		Longitude
		-103.8097419

DESIGN TARGET DETAILS

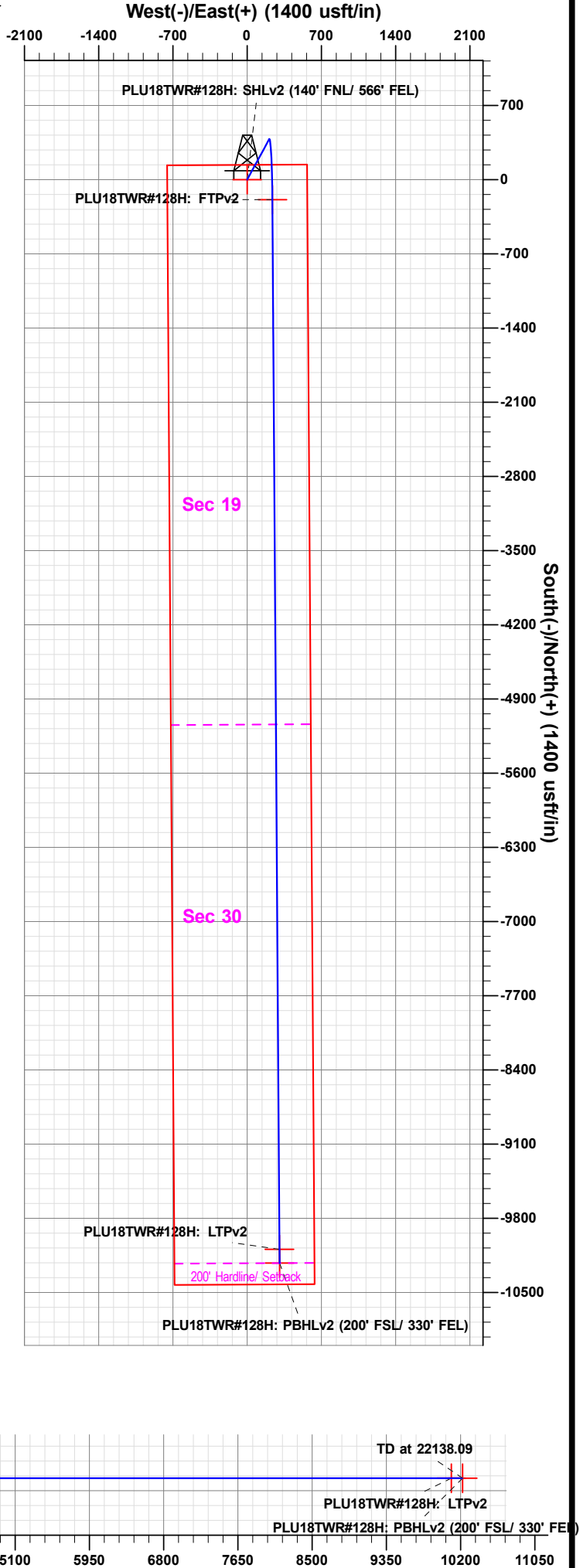
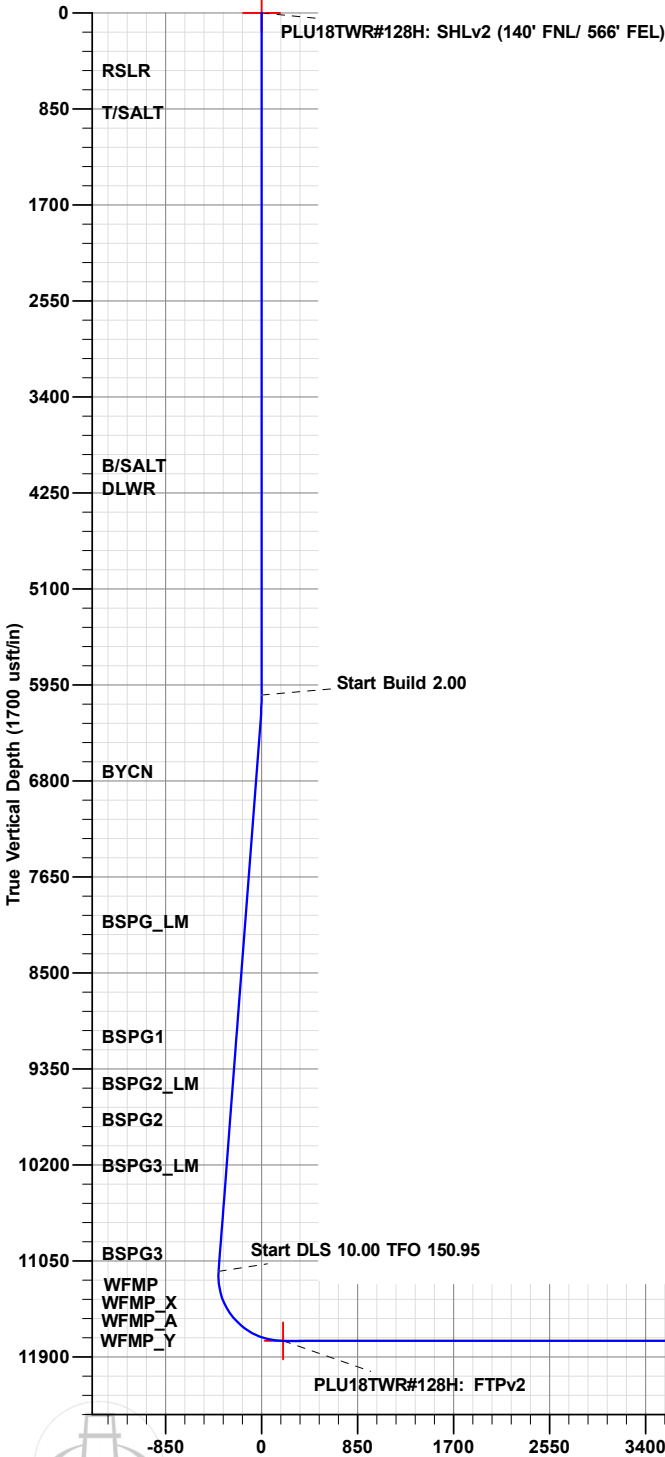
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PLU18TWR#128H: SHLv2 (140' FNL/ 566' FEL)	0.00	0.00	0.00	440351.60	661941.30	32.2095594	-103.8097419	Point
PLU18TWR#128H: FTPv2	11758.00	-189.00	238.00	440162.60	662179.30	32.2090367	-103.8089754	Point
PLU18TWR#128H: LTPv2	11758.00	-10092.40	304.70	430259.20	662246.00	32.1818124	-103.8089159	Point
PLU18TWR#128H: PBHLv2 (200' FSL/ 330' FEL)	11758.00	-10222.40	305.60	430129.20	662246.90	32.1814550	-103.8089151	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	6040.00	0.00	0.00	6040.00	0.00	0.00	0.00	0.00	0.00
3	6289.80	5.00	28.57	6289.49	9.56	5.21	2.00	28.57	-9.52
4	11160.76	5.00	28.57	11141.93	382.10	208.08	0.00	0.00	-380.68
5	12104.46	90.00	179.61	11758.00	-189.00	238.00	10.00	150.95	190.62
6	22008.08	90.00	179.61	11758.00	-10092.40	304.72	0.00	0.00	10094.24
7	22138.09	90.00	179.61	11758.00	-10222.40	305.60	0.00	0.00	10224.24

FORMATION TOP DETAILS

TVDPPath	Formation
603.00	RSLR
977.00	T/SALT
4098.00	B/SALT
4303.00	DLWR
6808.00	BYCN
8138.00	BSPG_LM
9153.00	BSPG1
9573.00	BSPG2_LM
9893.00	BSPG2
10298.00	BSPG3_LM
11078.00	BSPG3
11473.00	WFMP
11508.00	WFMP_X
11588.00	WFMP_Y
11618.00	WFMP_A
11758.00	LP



The customer should only rely on this document after independently verifying all paths, targets, coordinates, lease and hard lines represented. Any decisions made or wells drilled utilizing this or any other information supplied by Prototype are at the sole risk and responsibility of the user.

Vertical Section at 179.61° (1700 usft/in)

Plan: PERMIT (#128H/Wellbore #1)

Created By: Prototype Well Planning, LLC Date: 16:36, May 02 2019

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name POKER LAKE UNIT 18 TWR	⁶ Well Number 128H
⁷ OGRID No. 260737	⁸ Operator Name XTO PERMIAN OPERATING, LLC	⁹ Elevation 3,498'

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
A	19	24 S	31 E		140	NORTH	566	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
P	30	24 S	31 E		200	SOUTH	330	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.

	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 440,351.6 X= 661,941.3 LAT.= 32.209559°N LONG.= 103.809742°W FIRST TAKE POINT NAD 27 NME Y= 440,162.6 X= 662,179.3 LAT.= 32.209037°N LONG.= 103.808976°W CORNER COORDINATES TABLE NAD 27 NME <table border="1"> <tr><td>A</td><td>- Y= 440,494.2 N, X= 662,506.4 E</td></tr> <tr><td>B</td><td>- Y= 440,487.8 N, X= 661,187.0 E</td></tr> <tr><td>C</td><td>- Y= 437,851.8 N, X= 662,529.4 E</td></tr> <tr><td>D</td><td>- Y= 437,845.0 N, X= 661,207.2 E</td></tr> <tr><td>E</td><td>- Y= 435,213.4 N, X= 662,541.9 E</td></tr> <tr><td>F</td><td>- Y= 435,205.2 N, X= 661,222.1 E</td></tr> <tr><td>G</td><td>- Y= 432,572.6 N, X= 662,560.6 E</td></tr> <tr><td>H</td><td>- Y= 432,564.4 N, X= 661,240.5 E</td></tr> <tr><td>I</td><td>- Y= 429,931.2 N, X= 662,578.2 E</td></tr> <tr><td>J</td><td>- Y= 429,923.2 N, X= 661,258.2 E</td></tr> </table> CORNER COORDINATES TABLE NAD 83 NME <table border="1"> <tr><td>A</td><td>- Y= 440,553.0 N, X= 703,690.4 E</td></tr> <tr><td>B</td><td>- Y= 440,546.8 N, X= 702,371.0 E</td></tr> <tr><td>C</td><td>- Y= 437,910.5 N, X= 703,713.5 E</td></tr> <tr><td>D</td><td>- Y= 437,903.7 N, X= 702,391.3 E</td></tr> <tr><td>E</td><td>- Y= 435,272.1 N, X= 703,726.1 E</td></tr> <tr><td>F</td><td>- Y= 435,263.9 N, X= 702,406.3 E</td></tr> <tr><td>G</td><td>- Y= 432,631.2 N, X= 703,744.9 E</td></tr> <tr><td>H</td><td>- Y= 432,623.0 N, X= 702,424.8 E</td></tr> <tr><td>I</td><td>- Y= 429,989.7 N, X= 703,762.6 E</td></tr> <tr><td>J</td><td>- Y= 429,981.7 N, X= 702,442.6 E</td></tr> </table> LAST TAKE POINT NAD 27 NME Y= 430,259.2 X= 662,246.0 LAT.= 32.181812°N LONG.= 103.808916°W BOTTOM HOLE LOCATION NAD 27 NME Y= 430,129.2 X= 662,246.9 LAT.= 32.181455°N LONG.= 103.808915°W	A	- Y= 440,494.2 N, X= 662,506.4 E	B	- Y= 440,487.8 N, X= 661,187.0 E	C	- Y= 437,851.8 N, X= 662,529.4 E	D	- Y= 437,845.0 N, X= 661,207.2 E	E	- Y= 435,213.4 N, X= 662,541.9 E	F	- Y= 435,205.2 N, X= 661,222.1 E	G	- Y= 432,572.6 N, X= 662,560.6 E	H	- Y= 432,564.4 N, X= 661,240.5 E	I	- Y= 429,931.2 N, X= 662,578.2 E	J	- Y= 429,923.2 N, X= 661,258.2 E	A	- Y= 440,553.0 N, X= 703,690.4 E	B	- Y= 440,546.8 N, X= 702,371.0 E	C	- Y= 437,910.5 N, X= 703,713.5 E	D	- Y= 437,903.7 N, X= 702,391.3 E	E	- Y= 435,272.1 N, X= 703,726.1 E	F	- Y= 435,263.9 N, X= 702,406.3 E	G	- Y= 432,631.2 N, X= 703,744.9 E	H	- Y= 432,623.0 N, X= 702,424.8 E	I	- Y= 429,989.7 N, X= 703,762.6 E	J	- Y= 429,981.7 N, X= 702,442.6 E	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 440,410.4 X= 703,125.3 LAT.= 32.209683°N LONG.= 103.810226°W FIRST TAKE POINT NAD 83 NME Y= 440,221.4 X= 703,363.3 LAT.= 32.209160°N LONG.= 103.809460°W CORNER COORDINATES TABLE NAD 83 NME <table border="1"> <tr><td>A</td><td>- Y= 440,553.0 N, X= 703,690.4 E</td></tr> <tr><td>B</td><td>- Y= 440,546.8 N, X= 702,371.0 E</td></tr> <tr><td>C</td><td>- Y= 437,910.5 N, X= 703,713.5 E</td></tr> <tr><td>D</td><td>- Y= 437,903.7 N, X= 702,391.3 E</td></tr> <tr><td>E</td><td>- Y= 435,272.1 N, X= 703,726.1 E</td></tr> <tr><td>F</td><td>- Y= 435,263.9 N, X= 702,406.3 E</td></tr> <tr><td>G</td><td>- Y= 432,631.2 N, X= 703,744.9 E</td></tr> <tr><td>H</td><td>- Y= 432,623.0 N, X= 702,424.8 E</td></tr> <tr><td>I</td><td>- Y= 429,989.7 N, X= 703,762.6 E</td></tr> <tr><td>J</td><td>- Y= 429,981.7 N, X= 702,442.6 E</td></tr> </table> LAST TAKE POINT NAD 83 NME Y= 430,317.7 X= 703,430.4 LAT.= 32.181936°N LONG.= 103.809399°W BOTTOM HOLE LOCATION NAD 83 NME Y= 430,187.7 X= 703,431.3 LAT.= 32.181578°N LONG.= 103.809398°W	A	- Y= 440,553.0 N, X= 703,690.4 E	B	- Y= 440,546.8 N, X= 702,371.0 E	C	- Y= 437,910.5 N, X= 703,713.5 E	D	- Y= 437,903.7 N, X= 702,391.3 E	E	- Y= 435,272.1 N, X= 703,726.1 E	F	- Y= 435,263.9 N, X= 702,406.3 E	G	- Y= 432,631.2 N, X= 703,744.9 E	H	- Y= 432,623.0 N, X= 702,424.8 E	I	- Y= 429,989.7 N, X= 703,762.6 E	J	- Y= 429,981.7 N, X= 702,442.6 E	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. Signature _____ Date _____ Printed Name _____ E-mail Address _____
	A	- Y= 440,494.2 N, X= 662,506.4 E																																																													
	B	- Y= 440,487.8 N, X= 661,187.0 E																																																													
	C	- Y= 437,851.8 N, X= 662,529.4 E																																																													
D	- Y= 437,845.0 N, X= 661,207.2 E																																																														
E	- Y= 435,213.4 N, X= 662,541.9 E																																																														
F	- Y= 435,205.2 N, X= 661,222.1 E																																																														
G	- Y= 432,572.6 N, X= 662,560.6 E																																																														
H	- Y= 432,564.4 N, X= 661,240.5 E																																																														
I	- Y= 429,931.2 N, X= 662,578.2 E																																																														
J	- Y= 429,923.2 N, X= 661,258.2 E																																																														
A	- Y= 440,553.0 N, X= 703,690.4 E																																																														
B	- Y= 440,546.8 N, X= 702,371.0 E																																																														
C	- Y= 437,910.5 N, X= 703,713.5 E																																																														
D	- Y= 437,903.7 N, X= 702,391.3 E																																																														
E	- Y= 435,272.1 N, X= 703,726.1 E																																																														
F	- Y= 435,263.9 N, X= 702,406.3 E																																																														
G	- Y= 432,631.2 N, X= 703,744.9 E																																																														
H	- Y= 432,623.0 N, X= 702,424.8 E																																																														
I	- Y= 429,989.7 N, X= 703,762.6 E																																																														
J	- Y= 429,981.7 N, X= 702,442.6 E																																																														
A	- Y= 440,553.0 N, X= 703,690.4 E																																																														
B	- Y= 440,546.8 N, X= 702,371.0 E																																																														
C	- Y= 437,910.5 N, X= 703,713.5 E																																																														
D	- Y= 437,903.7 N, X= 702,391.3 E																																																														
E	- Y= 435,272.1 N, X= 703,726.1 E																																																														
F	- Y= 435,263.9 N, X= 702,406.3 E																																																														
G	- Y= 432,631.2 N, X= 703,744.9 E																																																														
H	- Y= 432,623.0 N, X= 702,424.8 E																																																														
I	- Y= 429,989.7 N, X= 703,762.6 E																																																														
J	- Y= 429,981.7 N, X= 702,442.6 E																																																														
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. 4-25-2019 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number																																																															
JC 2018010192																																																															



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #128H
Company:	XTO Energy	TVD Reference:	RKB= 25' @ 3523.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB= 25' @ 3523.00usft
Site:	Poker Lake Unit 18 TWR	North Reference:	Grid
Well:	#128H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Project	Eddy County, NM (NAD-27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site		Poker Lake Unit 18 TWR			
Site Position:		Northing:	440,397.40 usft	Latitude:	32.2097382
From:	Map	Easting:	657,946.80 usft	Longitude:	-103.8226558
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.27 °

Well	#128H					
Well Position	+N/-S	-45.80 usft	Northing:	440,351.60 usft	Latitude:	32.2095594
	+E/-W	3,994.50 usft	Easting:	661,941.30 usft	Longitude:	-103.8097419
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,498.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	05/02/19	6.86	59.99	47,711

Design	PERMIT			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.61

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,040.00	0.00	0.00	6,040.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,289.80	5.00	28.57	6,289.49	9.56	5.21	2.00	2.00	0.00	28.57	
11,160.76	5.00	28.57	11,141.93	382.10	208.08	0.00	0.00	0.00	0.00	
12,104.46	90.00	179.61	11,758.00	-189.00	238.00	10.00	9.01	16.01	150.95	PLU18TWR#128H:
22,008.08	90.00	179.61	11,758.00	-10,092.40	304.72	0.00	0.00	0.00	0.00	PLU18TWR#128H:
22,138.09	90.00	179.61	11,758.00	-10,222.40	305.60	0.00	0.00	0.00	0.00	PLU18TWR#128H:



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #128H
Company:	XTO Energy	TVD Reference:	RKB= 25' @ 3523.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB= 25' @ 3523.00usft
Site:	Poker Lake Unit 18 TWR	North Reference:	Grid
Well:	#128H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
603.00	0.00	0.00	603.00	0.00	0.00	0.00	0.00	0.00	0.00
RSLR									
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
977.00	0.00	0.00	977.00	0.00	0.00	0.00	0.00	0.00	0.00
T/SALT									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,098.00	0.00	0.00	4,098.00	0.00	0.00	0.00	0.00	0.00	0.00
B/SALT									
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,303.00	0.00	0.00	4,303.00	0.00	0.00	0.00	0.00	0.00	0.00
DLWR									
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #128H
Company:	XTO Energy	TVD Reference:	RKB= 25' @ 3523.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB= 25' @ 3523.00usft
Site:	Poker Lake Unit 18 TWR	North Reference:	Grid
Well:	#128H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,040.00	0.00	0.00	6,040.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	1.20	28.57	6,100.00	0.55	0.30	-0.55	2.00	2.00	0.00
6,200.00	3.20	28.57	6,199.92	3.92	2.14	-3.91	2.00	2.00	0.00
6,289.80	5.00	28.57	6,289.49	9.56	5.21	-9.52	2.00	2.00	0.00
6,300.00	5.00	28.57	6,299.64	10.34	5.63	-10.30	0.00	0.00	0.00
6,400.00	5.00	28.57	6,399.27	17.99	9.79	-17.92	0.00	0.00	0.00
6,500.00	5.00	28.57	6,498.89	25.64	13.96	-25.54	0.00	0.00	0.00
6,600.00	5.00	28.57	6,598.51	33.28	18.12	-33.16	0.00	0.00	0.00
6,700.00	5.00	28.57	6,698.13	40.93	22.29	-40.78	0.00	0.00	0.00
6,800.00	5.00	28.57	6,797.75	48.58	26.45	-48.40	0.00	0.00	0.00
6,810.29	5.00	28.57	6,808.00	49.37	26.88	-49.18	0.00	0.00	0.00
BYCN									
6,900.00	5.00	28.57	6,897.37	56.23	30.62	-56.02	0.00	0.00	0.00
7,000.00	5.00	28.57	6,996.99	63.88	34.78	-63.64	0.00	0.00	0.00
7,100.00	5.00	28.57	7,096.61	71.52	38.95	-71.26	0.00	0.00	0.00
7,200.00	5.00	28.57	7,196.23	79.17	43.11	-78.88	0.00	0.00	0.00
7,300.00	5.00	28.57	7,295.85	86.82	47.28	-86.50	0.00	0.00	0.00
7,400.00	5.00	28.57	7,395.47	94.47	51.44	-94.12	0.00	0.00	0.00
7,500.00	5.00	28.57	7,495.09	102.12	55.61	-101.74	0.00	0.00	0.00
7,600.00	5.00	28.57	7,594.71	109.77	59.77	-109.36	0.00	0.00	0.00
7,700.00	5.00	28.57	7,694.33	117.41	63.94	-116.98	0.00	0.00	0.00
7,800.00	5.00	28.57	7,793.95	125.06	68.10	-124.60	0.00	0.00	0.00
7,900.00	5.00	28.57	7,893.57	132.71	72.27	-132.22	0.00	0.00	0.00
8,000.00	5.00	28.57	7,993.19	140.36	76.43	-139.84	0.00	0.00	0.00
8,100.00	5.00	28.57	8,092.81	148.01	80.60	-147.46	0.00	0.00	0.00
8,145.37	5.00	28.57	8,138.00	151.48	82.49	-150.91	0.00	0.00	0.00
BSPG_LM									
8,200.00	5.00	28.57	8,192.43	155.66	84.76	-155.08	0.00	0.00	0.00
8,300.00	5.00	28.57	8,292.05	163.30	88.93	-162.70	0.00	0.00	0.00
8,400.00	5.00	28.57	8,391.67	170.95	93.09	-170.32	0.00	0.00	0.00
8,500.00	5.00	28.57	8,491.29	178.60	97.26	-177.93	0.00	0.00	0.00
8,600.00	5.00	28.57	8,590.91	186.25	101.42	-185.55	0.00	0.00	0.00
8,700.00	5.00	28.57	8,690.53	193.90	105.59	-193.17	0.00	0.00	0.00
8,800.00	5.00	28.57	8,790.15	201.55	109.75	-200.79	0.00	0.00	0.00
8,900.00	5.00	28.57	8,889.77	209.19	113.92	-208.41	0.00	0.00	0.00
9,000.00	5.00	28.57	8,989.39	216.84	118.08	-216.03	0.00	0.00	0.00
9,100.00	5.00	28.57	9,089.01	224.49	122.25	-223.65	0.00	0.00	0.00
9,164.24	5.00	28.57	9,153.00	229.40	124.92	-228.55	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #128H
Company:	XTO Energy	TVD Reference:	RKB= 25' @ 3523.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB= 25' @ 3523.00usft
Site:	Poker Lake Unit 18 TWR	North Reference:	Grid
Well:	#128H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
BSPG1									
9,200.00	5.00	28.57	9,188.63	232.14	126.41	-231.27	0.00	0.00	0.00
9,300.00	5.00	28.57	9,288.25	239.79	130.58	-238.89	0.00	0.00	0.00
9,400.00	5.00	28.57	9,387.87	247.44	134.74	-246.51	0.00	0.00	0.00
9,500.00	5.00	28.57	9,487.49	255.08	138.91	-254.13	0.00	0.00	0.00
9,585.84	5.00	28.57	9,573.00	261.65	142.48	-260.67	0.00	0.00	0.00
BSPG2_LM									
9,600.00	5.00	28.57	9,587.11	262.73	143.07	-261.75	0.00	0.00	0.00
9,700.00	5.00	28.57	9,686.73	270.38	147.24	-269.37	0.00	0.00	0.00
9,800.00	5.00	28.57	9,786.35	278.03	151.40	-276.99	0.00	0.00	0.00
9,900.00	5.00	28.57	9,885.97	285.68	155.57	-284.61	0.00	0.00	0.00
9,907.06	5.00	28.57	9,893.00	286.22	155.86	-285.15	0.00	0.00	0.00
BSPG2									
10,000.00	5.00	28.57	9,985.59	293.33	159.73	-292.23	0.00	0.00	0.00
10,100.00	5.00	28.57	10,085.21	300.97	163.90	-299.85	0.00	0.00	0.00
10,200.00	5.00	28.57	10,184.83	308.62	168.06	-307.47	0.00	0.00	0.00
10,300.00	5.00	28.57	10,284.45	316.27	172.23	-315.09	0.00	0.00	0.00
10,313.60	5.00	28.57	10,298.00	317.31	172.79	-316.13	0.00	0.00	0.00
BSPG3_LM									
10,400.00	5.00	28.57	10,384.07	323.92	176.39	-322.71	0.00	0.00	0.00
10,500.00	5.00	28.57	10,483.69	331.57	180.56	-330.33	0.00	0.00	0.00
10,600.00	5.00	28.57	10,583.31	339.21	184.72	-337.95	0.00	0.00	0.00
10,700.00	5.00	28.57	10,682.93	346.86	188.89	-345.57	0.00	0.00	0.00
10,800.00	5.00	28.57	10,782.55	354.51	193.05	-353.19	0.00	0.00	0.00
10,900.00	5.00	28.57	10,882.17	362.16	197.22	-360.81	0.00	0.00	0.00
11,000.00	5.00	28.57	10,981.79	369.81	201.38	-368.43	0.00	0.00	0.00
11,096.58	5.00	28.57	11,078.00	377.19	205.40	-375.79	0.00	0.00	0.00
BSPG3									
11,100.00	5.00	28.57	11,081.41	377.46	205.55	-376.05	0.00	0.00	0.00
11,160.76	5.00	28.57	11,141.93	382.10	208.08	-380.68	0.00	0.00	0.00
11,200.00	2.46	79.19	11,181.10	383.76	209.72	-382.33	10.00	-6.45	128.98
11,250.00	5.16	151.65	11,231.01	381.99	211.85	-380.53	10.00	5.39	144.93
11,300.00	9.85	165.51	11,280.57	375.86	213.99	-374.40	10.00	9.39	27.72
11,350.00	14.75	170.36	11,329.41	365.44	216.12	-363.96	10.00	9.79	9.70
11,400.00	19.70	172.82	11,377.15	350.79	218.24	-349.30	10.00	9.90	4.92
11,450.00	24.67	174.33	11,423.44	332.04	220.33	-330.53	10.00	9.94	3.00
11,500.00	29.64	175.35	11,467.91	309.32	222.36	-307.80	10.00	9.96	2.05
11,505.87	30.23	175.45	11,473.00	306.39	222.60	-304.87	10.00	9.96	1.70
WFMP									
11,547.29	34.36	176.06	11,508.00	284.33	224.23	-282.80	10.00	9.97	1.49
WFMP_X									
11,550.00	34.63	176.10	11,510.24	282.80	224.33	-281.27	10.00	9.97	1.32
11,600.00	39.62	176.68	11,550.09	252.69	226.22	-251.15	10.00	9.98	1.17
11,650.00	44.61	177.15	11,587.17	219.23	228.02	-217.67	10.00	9.98	0.94
11,651.16	44.72	177.16	11,588.00	218.41	228.06	-216.85	10.00	9.98	0.86
WFMP_Y									
11,695.09	49.11	177.51	11,618.00	186.37	229.55	-184.80	10.00	9.98	0.79
WFMP_A									
11,700.00	49.60	177.55	11,621.20	182.65	229.71	-181.08	10.00	9.98	0.73
11,750.00	54.59	177.89	11,651.91	143.24	231.27	-141.66	10.00	9.99	0.68
11,800.00	59.58	178.19	11,679.06	101.30	232.70	-99.72	10.00	9.99	0.60
11,850.00	64.58	178.46	11,702.47	57.15	233.99	-55.56	10.00	9.99	0.54
11,900.00	69.57	178.71	11,721.94	11.13	235.13	-9.53	10.00	9.99	0.50



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #128H
Company:	XTO Energy	TVD Reference:	RKB= 25' @ 3523.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB= 25' @ 3523.00usft
Site:	Poker Lake Unit 18 TWR	North Reference:	Grid
Well:	#128H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,950.00	74.57	178.94	11,737.32	-36.41	236.10	38.02	10.00	9.99	0.47
12,000.00	79.56	179.17	11,748.51	-85.12	236.90	86.73	10.00	9.99	0.45
12,050.00	84.56	179.38	11,755.42	-134.62	237.52	136.24	10.00	9.99	0.43
12,104.40	89.99	179.61	11,758.00	-188.94	238.00	190.55	10.00	9.99	0.42
LP									
12,104.46	90.00	179.61	11,758.00	-189.00	238.00	190.62	10.00	9.99	0.42
12,200.00	90.00	179.61	11,758.00	-284.54	238.64	286.16	0.00	0.00	0.00
12,300.00	90.00	179.61	11,758.00	-384.54	239.32	386.16	0.00	0.00	0.00
12,400.00	90.00	179.61	11,758.00	-484.53	239.99	486.16	0.00	0.00	0.00
12,500.00	90.00	179.61	11,758.00	-584.53	240.66	586.16	0.00	0.00	0.00
12,600.00	90.00	179.61	11,758.00	-684.53	241.34	686.16	0.00	0.00	0.00
12,700.00	90.00	179.61	11,758.00	-784.53	242.01	786.16	0.00	0.00	0.00
12,800.00	90.00	179.61	11,758.00	-884.53	242.69	886.16	0.00	0.00	0.00
12,900.00	90.00	179.61	11,758.00	-984.52	243.36	986.16	0.00	0.00	0.00
13,000.00	90.00	179.61	11,758.00	-1,084.52	244.03	1,086.16	0.00	0.00	0.00
13,100.00	90.00	179.61	11,758.00	-1,184.52	244.71	1,186.16	0.00	0.00	0.00
13,200.00	90.00	179.61	11,758.00	-1,284.52	245.38	1,286.16	0.00	0.00	0.00
13,300.00	90.00	179.61	11,758.00	-1,384.51	246.05	1,386.16	0.00	0.00	0.00
13,400.00	90.00	179.61	11,758.00	-1,484.51	246.73	1,486.16	0.00	0.00	0.00
13,500.00	90.00	179.61	11,758.00	-1,584.51	247.40	1,586.16	0.00	0.00	0.00
13,600.00	90.00	179.61	11,758.00	-1,684.51	248.08	1,686.16	0.00	0.00	0.00
13,700.00	90.00	179.61	11,758.00	-1,784.50	248.75	1,786.16	0.00	0.00	0.00
13,800.00	90.00	179.61	11,758.00	-1,884.50	249.42	1,886.16	0.00	0.00	0.00
13,900.00	90.00	179.61	11,758.00	-1,984.50	250.10	1,986.16	0.00	0.00	0.00
14,000.00	90.00	179.61	11,758.00	-2,084.50	250.77	2,086.16	0.00	0.00	0.00
14,100.00	90.00	179.61	11,758.00	-2,184.50	251.44	2,186.16	0.00	0.00	0.00
14,200.00	90.00	179.61	11,758.00	-2,284.49	252.12	2,286.16	0.00	0.00	0.00
14,300.00	90.00	179.61	11,758.00	-2,384.49	252.79	2,386.16	0.00	0.00	0.00
14,400.00	90.00	179.61	11,758.00	-2,484.49	253.47	2,486.16	0.00	0.00	0.00
14,500.00	90.00	179.61	11,758.00	-2,584.49	254.14	2,586.16	0.00	0.00	0.00
14,600.00	90.00	179.61	11,758.00	-2,684.48	254.81	2,686.16	0.00	0.00	0.00
14,700.00	90.00	179.61	11,758.00	-2,784.48	255.49	2,786.16	0.00	0.00	0.00
14,800.00	90.00	179.61	11,758.00	-2,884.48	256.16	2,886.16	0.00	0.00	0.00
14,900.00	90.00	179.61	11,758.00	-2,984.48	256.83	2,986.16	0.00	0.00	0.00
15,000.00	90.00	179.61	11,758.00	-3,084.48	257.51	3,086.16	0.00	0.00	0.00
15,100.00	90.00	179.61	11,758.00	-3,184.47	258.18	3,186.16	0.00	0.00	0.00
15,200.00	90.00	179.61	11,758.00	-3,284.47	258.86	3,286.16	0.00	0.00	0.00
15,300.00	90.00	179.61	11,758.00	-3,384.47	259.53	3,386.16	0.00	0.00	0.00
15,400.00	90.00	179.61	11,758.00	-3,484.47	260.20	3,486.16	0.00	0.00	0.00
15,500.00	90.00	179.61	11,758.00	-3,584.46	260.88	3,586.16	0.00	0.00	0.00
15,600.00	90.00	179.61	11,758.00	-3,684.46	261.55	3,686.16	0.00	0.00	0.00
15,700.00	90.00	179.61	11,758.00	-3,784.46	262.22	3,786.16	0.00	0.00	0.00
15,800.00	90.00	179.61	11,758.00	-3,884.46	262.90	3,886.16	0.00	0.00	0.00
15,900.00	90.00	179.61	11,758.00	-3,984.45	263.57	3,986.16	0.00	0.00	0.00
16,000.00	90.00	179.61	11,758.00	-4,084.45	264.25	4,086.16	0.00	0.00	0.00
16,100.00	90.00	179.61	11,758.00	-4,184.45	264.92	4,186.16	0.00	0.00	0.00
16,200.00	90.00	179.61	11,758.00	-4,284.45	265.59	4,286.16	0.00	0.00	0.00
16,300.00	90.00	179.61	11,758.00	-4,384.45	266.27	4,386.16	0.00	0.00	0.00
16,400.00	90.00	179.61	11,758.00	-4,484.44	266.94	4,486.16	0.00	0.00	0.00
16,500.00	90.00	179.61	11,758.00	-4,584.44	267.61	4,586.16	0.00	0.00	0.00
16,600.00	90.00	179.61	11,758.00	-4,684.44	268.29	4,686.16	0.00	0.00	0.00
16,700.00	90.00	179.61	11,758.00	-4,784.44	268.96	4,786.16	0.00	0.00	0.00
16,800.00	90.00	179.61	11,758.00	-4,884.43	269.64	4,886.16	0.00	0.00	0.00
16,900.00	90.00	179.61	11,758.00	-4,984.43	270.31	4,986.16	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #128H
Company:	XTO Energy	TVD Reference:	RKB= 25' @ 3523.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB= 25' @ 3523.00usft
Site:	Poker Lake Unit 18 TWR	North Reference:	Grid
Well:	#128H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,000.00	90.00	179.61	11,758.00	-5,084.43	270.98	5,086.16	0.00	0.00	0.00
17,100.00	90.00	179.61	11,758.00	-5,184.43	271.66	5,186.16	0.00	0.00	0.00
17,200.00	90.00	179.61	11,758.00	-5,284.43	272.33	5,286.16	0.00	0.00	0.00
17,300.00	90.00	179.61	11,758.00	-5,384.42	273.00	5,386.16	0.00	0.00	0.00
17,400.00	90.00	179.61	11,758.00	-5,484.42	273.68	5,486.16	0.00	0.00	0.00
17,500.00	90.00	179.61	11,758.00	-5,584.42	274.35	5,586.16	0.00	0.00	0.00
17,600.00	90.00	179.61	11,758.00	-5,684.42	275.03	5,686.16	0.00	0.00	0.00
17,700.00	90.00	179.61	11,758.00	-5,784.41	275.70	5,786.16	0.00	0.00	0.00
17,800.00	90.00	179.61	11,758.00	-5,884.41	276.37	5,886.16	0.00	0.00	0.00
17,900.00	90.00	179.61	11,758.00	-5,984.41	277.05	5,986.16	0.00	0.00	0.00
18,000.00	90.00	179.61	11,758.00	-6,084.41	277.72	6,086.16	0.00	0.00	0.00
18,100.00	90.00	179.61	11,758.00	-6,184.40	278.39	6,186.16	0.00	0.00	0.00
18,200.00	90.00	179.61	11,758.00	-6,284.40	279.07	6,286.16	0.00	0.00	0.00
18,300.00	90.00	179.61	11,758.00	-6,384.40	279.74	6,386.16	0.00	0.00	0.00
18,400.00	90.00	179.61	11,758.00	-6,484.40	280.42	6,486.16	0.00	0.00	0.00
18,500.00	90.00	179.61	11,758.00	-6,584.40	281.09	6,586.16	0.00	0.00	0.00
18,600.00	90.00	179.61	11,758.00	-6,684.39	281.76	6,686.16	0.00	0.00	0.00
18,700.00	90.00	179.61	11,758.00	-6,784.39	282.44	6,786.16	0.00	0.00	0.00
18,800.00	90.00	179.61	11,758.00	-6,884.39	283.11	6,886.16	0.00	0.00	0.00
18,900.00	90.00	179.61	11,758.00	-6,984.39	283.78	6,986.16	0.00	0.00	0.00
19,000.00	90.00	179.61	11,758.00	-7,084.38	284.46	7,086.16	0.00	0.00	0.00
19,100.00	90.00	179.61	11,758.00	-7,184.38	285.13	7,186.16	0.00	0.00	0.00
19,200.00	90.00	179.61	11,758.00	-7,284.38	285.81	7,286.16	0.00	0.00	0.00
19,300.00	90.00	179.61	11,758.00	-7,384.38	286.48	7,386.16	0.00	0.00	0.00
19,400.00	90.00	179.61	11,758.00	-7,484.38	287.15	7,486.16	0.00	0.00	0.00
19,500.00	90.00	179.61	11,758.00	-7,584.37	287.83	7,586.16	0.00	0.00	0.00
19,600.00	90.00	179.61	11,758.00	-7,684.37	288.50	7,686.16	0.00	0.00	0.00
19,700.00	90.00	179.61	11,758.00	-7,784.37	289.17	7,786.16	0.00	0.00	0.00
19,800.00	90.00	179.61	11,758.00	-7,884.37	289.85	7,886.16	0.00	0.00	0.00
19,900.00	90.00	179.61	11,758.00	-7,984.36	290.52	7,986.16	0.00	0.00	0.00
20,000.00	90.00	179.61	11,758.00	-8,084.36	291.19	8,086.16	0.00	0.00	0.00
20,100.00	90.00	179.61	11,758.00	-8,184.36	291.87	8,186.16	0.00	0.00	0.00
20,200.00	90.00	179.61	11,758.00	-8,284.36	292.54	8,286.16	0.00	0.00	0.00
20,300.00	90.00	179.61	11,758.00	-8,384.36	293.22	8,386.16	0.00	0.00	0.00
20,400.00	90.00	179.61	11,758.00	-8,484.35	293.89	8,486.16	0.00	0.00	0.00
20,500.00	90.00	179.61	11,758.00	-8,584.35	294.56	8,586.16	0.00	0.00	0.00
20,600.00	90.00	179.61	11,758.00	-8,684.35	295.24	8,686.16	0.00	0.00	0.00
20,700.00	90.00	179.61	11,758.00	-8,784.35	295.91	8,786.16	0.00	0.00	0.00
20,800.00	90.00	179.61	11,758.00	-8,884.34	296.58	8,886.16	0.00	0.00	0.00
20,900.00	90.00	179.61	11,758.00	-8,984.34	297.26	8,986.16	0.00	0.00	0.00
21,000.00	90.00	179.61	11,758.00	-9,084.34	297.93	9,086.16	0.00	0.00	0.00
21,100.00	90.00	179.61	11,758.00	-9,184.34	298.61	9,186.16	0.00	0.00	0.00
21,200.00	90.00	179.61	11,758.00	-9,284.33	299.28	9,286.16	0.00	0.00	0.00
21,300.00	90.00	179.61	11,758.00	-9,384.33	299.95	9,386.16	0.00	0.00	0.00
21,400.00	90.00	179.61	11,758.00	-9,484.33	300.63	9,486.16	0.00	0.00	0.00
21,500.00	90.00	179.61	11,758.00	-9,584.33	301.30	9,586.16	0.00	0.00	0.00
21,600.00	90.00	179.61	11,758.00	-9,684.33	301.97	9,686.16	0.00	0.00	0.00
21,700.00	90.00	179.61	11,758.00	-9,784.32	302.65	9,786.16	0.00	0.00	0.00
21,800.00	90.00	179.61	11,758.00	-9,884.32	303.32	9,886.16	0.00	0.00	0.00
21,900.00	90.00	179.61	11,758.00	-9,984.32	304.00	9,986.16	0.00	0.00	0.00
22,008.08	90.00	179.61	11,758.00	-10,092.40	304.72	10,094.24	0.00	0.00	0.00
22,100.00	90.00	179.61	11,758.00	-10,184.31	305.34	10,186.16	0.00	0.00	0.00
22,138.09	90.00	179.61	11,758.00	-10,222.40	305.60	10,224.24	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #128H
Company:	XTO Energy	TVD Reference:	RKB= 25' @ 3523.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB= 25' @ 3523.00usft
Site:	Poker Lake Unit 18 TWR	North Reference:	Grid
Well:	#128H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PLU18TWR#128H: SI - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	440,351.60	661,941.30	32.2095594	-103.8097419
PLU18TWR#128H: PI - plan hits target center - Point	0.00	0.00	11,758.00	-10,222.40	305.60	430,129.20	662,246.90	32.1814551	-103.8089151
PLU18TWR#128H: F - plan hits target center - Point	0.00	0.00	11,758.00	-189.00	238.00	440,162.60	662,179.30	32.2090367	-103.8089754
PLU18TWR#128H: LI - plan misses target center by 0.02usft at 22008.08usft MD (11758.00 TVD, -10092.40 N, 304.72 E) - Point	0.00	0.00	11,758.00	-10,092.40	304.70	430,259.20	662,246.00	32.1818124	-103.8089159

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
603.00	603.00	RSLR			
977.00	977.00	T/SALT			
4,098.00	4,098.00	B/SALT			
4,303.00	4,303.00	DLWR			
6,810.29	6,808.00	BYCN			
8,145.37	8,138.00	BSPG_LM			
9,164.24	9,153.00	BSPG1			
9,585.84	9,573.00	BSPG2_LM			
9,907.06	9,893.00	BSPG2			
10,313.60	10,298.00	BSPG3_LM			
11,096.58	11,078.00	BSPG3			
11,505.87	11,473.00	WFMP			
11,547.29	11,508.00	WFMP_X			
11,651.16	11,588.00	WFMP_Y			
11,695.09	11,618.00	WFMP_A			
12,104.40	11,758.00	LP			