

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, New Mexico 87505

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

HOBBS OCD

JUN 09 2014

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-41916	Pool Code 97962	Pool Name WC-025 G-07 S213430M; Bone Spacing
Property Code	Property Name CAMPO FRESA STATE	Well Number 2H
OGRID No. 005380	Operator Name XTO ENERGY	Elevation 3758'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	18	21-S	34-E		225	NORTH	1980	WEST	LEA

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
N	18	21-S	34-E		200	SOUTH	1980	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	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

	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=541254.2 N X=753682.4 E LAT.=32.485330° N LONG.=103.510638° W FIRST TAKE POINT Y=540554.4 N X=753687.8 E LAT.=32.483406° N LONG.=103.510638° W CORNER COORDINATES TABLE NAD 27 NME A - Y=541472.7 N, X=752971.2 E B - Y=541484.8 N, X=754290.8 E C - Y=536203.2 N, X=754334.9 E D - Y=536189.9 N, X=753015.2 E CORNER COORDINATES TABLE NAD 83 NME A - Y=541534.3 N, X=794153.1 E B - Y=541456.4 N, X=795472.8 E C - Y=536264.7 N, X=795517.0 E D - Y=536251.4 N, X=794197.3 E GEODETIC COORDINATES NAD 27 NME LAST TAKE POINT Y=536527.0 N X=753719.0 E LAT.=32.472336° N LONG.=103.510637° W BOTTOM HOLE LOCATION Y=536397.0 N X=753720.0 E LAT.=32.471978° N LONG.=103.510637° W	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y=541315.8 N X=794864.4 E LAT.=32.485453° N LONG.=103.511123° W FIRST TAKE POINT Y=540616.0 N X=794869.8 E LAT.=32.483530° N LONG.=103.511123° W GEODETIC COORDINATES NAD 83 NME LAST TAKE POINT Y=536588.4 N X=794901.1 E LAT.=32.472459° N LONG.=103.511122° W BOTTOM HOLE LOCATION Y=536458.5 N X=794902.1 E LAT.=32.472102° N LONG.=103.511122° W	OPERATOR CERTIFICATION I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Stephanie Rabreau</i> 6-3-14 Signature Date <i>Stephanie Rabreau</i> Printed Name stephanie-rabreau@xtoenergy.com E-mail Address 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. APRIL 30, 2014 Date of Survey Signature & Seal of Professional Surveyor: <i>Ronald J. Eidson</i> 5/22/2014 Certificate Number 3239 Ronald J. Eidson 12641 3239 ACK JWSC W.O. 14,11 0449
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JUN 16 2014



Well: Campo Fresa State Well No. 2H
 Site: Campo Fresa State
 Project: Lea County, New Mexico
 Design: rev0
 Rig: Nabors 730

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	11073.00	0.00	0.00	11073.00	0.00	0.00	0.00	0.00	0.00	KOP Begin 10°/100' build
3	11966.00	89.30	179.56	11645.91	-565.94	4.38	10.00	179.56	565.96	Begin 89.30° lateral
4	16257.71	89.30	179.56	11698.35	-4857.20	37.60	0.00	0.00	4857.35	PBHL/TD

RKB Elevation: RKB=3758+23 @ 3781.00usft (Nabors 730)
 US State Plane 1927 (Exact solution)
 New Mexico East 3001

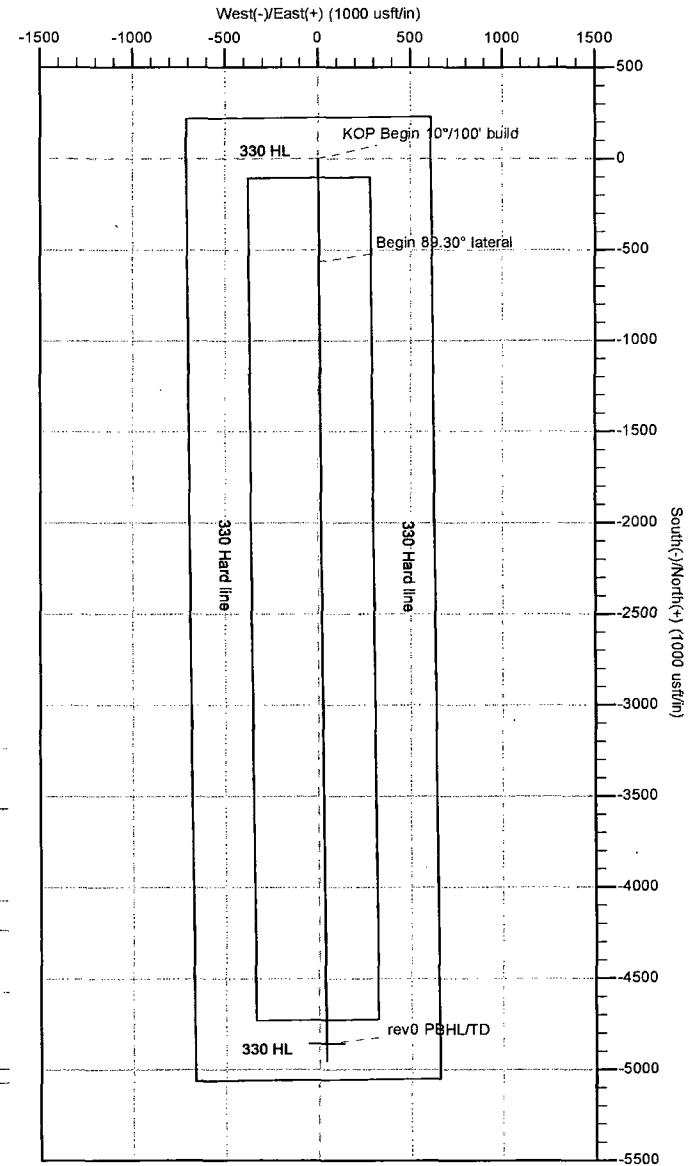
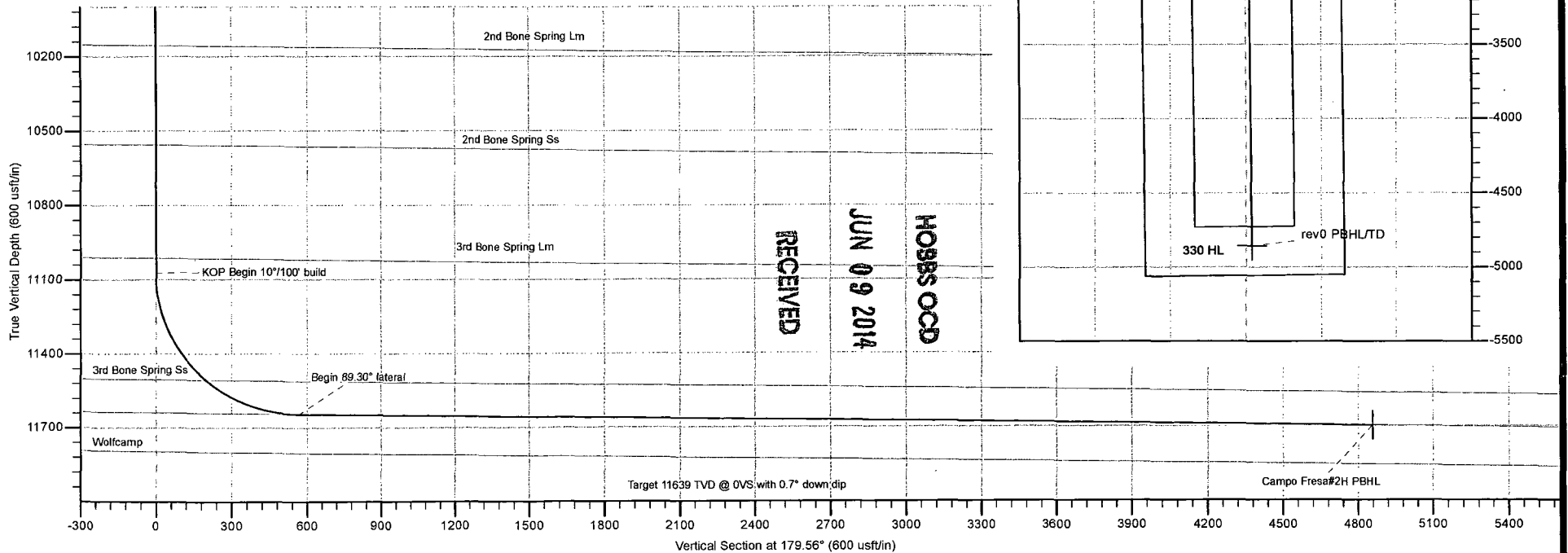
Northing: 541254.20 Easting: 753682.40 Latitude: 32.48532984 Longitude: -103.51063816

Total Correction (M => G) To convert a Magnetic Direction to a Grid Direction, Add 6.77°



Azimuths to Grid North
 True North: -0.44°
 Magnetic North: 6.77°

Magnetic Field
 Strength: 48480.7nT
 Dip Angle: 60.36°
 Date: 6/2/2014
 Model: IGRF2010





Standard_report

Company:	XTO Energy Inc	Local Co-ordinate Reference:	Well Campo Fresa State Well No. 2H
Project:	Lea County, New Mexico	TVD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Site:	Campo Fresa State	MD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Well:	Campo Fresa State Well No. 2H	North Reference:	Grid
Wellbore:	Original hole	Survey Calculation Method:	Minimum Curvature
Design:	rev0	Database:	EDM 5000.1 Database

Project: Lea County, New Mexico			
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		Campo Fresa State				
Site Position:		Northing:	541,254.20	usft	Latitude:	32.48532984
From:	Map	Easting:	753,682.40	usft	Longitude:	-103.51063816
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16	"	Grid Convergence:	0.44 °

Well: Campo Fresa State Well No. 2H, Surf Loc: 225 FNL 1980 FWL						
Well Position	+N/-S	0.00 usft	Northing:	541,254.20 usft	Latitude:	32.48532984
	+E/-W	0.00 usft	Easting:	753,682.40 usft	Longitude:	-103.51063816
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,758.00 usft

Wellbore	Original hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/2/2014	7.21	60.36	48,481

Design:	rev0			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)
	0.00	0.00	0.00	179.56

Survey Tool Program		Date: 6/2/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	16,256.72	rev0 (Original hole)	MWD	MWD - Standard



Standard_report

Company:	XTO Energy Inc	Local Co-ordinate Reference:	Well Campo Fresa State Well No. 2H
Project:	Lea County New Mexico	TVD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Site:	Campo Fresa State	MD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Well:	Campo Fresa State Well No. 2H	North Reference:	Grid
Wellbore:	Original hole	Survey Calculation Method:	Minimum Curvature
Design:	rev0	Database:	EDM 5000.1 Database

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)		TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100ft)	V. Sec (usft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
100.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
200.00	0.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
300.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
400.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
500.00	0.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
600.00	0.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
700.00	0.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
800.00	0.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
900.00	0.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
1,000.00	0.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
1,100.00	0.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
1,200.00	0.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
1,300.00	0.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
1,400.00	0.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
1,500.00	0.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
1,600.00	0.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
1,700.00	0.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
1,790.00	0.00	0.00	0.00	1,790.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
Rustler										
1,800.00	0.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
1,883.00	0.00	0.00	0.00	1,883.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
Top Salt										
1,900.00	0.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
2,000.00	0.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
2,100.00	0.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40
2,200.00	0.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40



Standard_report

Company:	XTO Energy Inc	Local Co-ordinate Reference:	Well Campo Fresa State Well No. 2H
Project:	Lea County, New Mexico	TVD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Site:	Campo Fresa State	MD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Well:	Campo Fresa State Well No. 2H	North Reference:	Grid
Wellbore:	Original hole	Survey Calculation Method:	Minimum Curvature
Design:	rev0	Database:	EDM 5000.1 Database

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100ft)	V. Sec (usft)	Northing (usft)	Easting (usft)	
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
3,466.00	0.00	0.00	3,466.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
Base Salt										
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
3,583.00	0.00	0.00	3,583.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
Yates										
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
3,856.00	0.00	0.00	3,856.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
Capitan										
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	



Standard_report

Company:	XTO Energy Inc	Local Co-ordinate Reference:	Well Campo Fresa State Well No. 2H
Project:	Lea County, New Mexico	TVD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Site:	Campo Fresa State	MD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Well:	Campo Fresa State Well No. 2H	North Reference:	Grid
Wellbore:	Original hole	Survey Calculation Method:	Minimum Curvature
Design:	rev0	Database:	EDM 5000.1 Database

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100ft)	V. Sec (usft)	Northing (usft)	Easting (usft)	
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
5,815.00	0.00	0.00	5,815.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
Delaware										
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	



Standard_report

Company:	XTO Energy Inc	Local Co-ordinate Reference:	Well Campo Fresa State Well No. 2H
Project:	Lea County, New Mexico	TVD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Site:	Campo Fresa State	MD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Well:	Campo Fresa State Well No. 2H	North Reference:	Grid
Wellbore:	Original hole	Survey Calculation Method:	Minimum Curvature
Design:	rev0	Database:	EDM 5000.1 Database

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100ft)	V. Sec (usft)	Northing (usft)	Easting (usft)	
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
7,063.00	0.00	0.00	7,063.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
Brushy Canyon										
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
8,790.00	0.00	0.00	8,790.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
Bone Spring										
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	



Standard_report

Company:	XTO Energy Inc	Local Co-ordinate Reference:	Well Campo Fresa State Well No. 2H
Project:	Lea County, New Mexico	TVD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Site:	Campo Fresa State	MD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Well:	Campo Fresa State Well No. 2H	North Reference:	Grid
Wellbore:	Original hole	Survey Calculation Method:	Minimum Curvature
Design:	rev0	Database:	EDM 5000.1 Ddatabase

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100ft)	V. Sec (usft)	Northing (usft)	Easting (usft)	
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
9,912.00	0.00	0.00	9,912.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
1st Bone Spring Ss										
10,000.00	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
10,100.00	0.00	0.00	10,100.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
10,156.00	0.00	0.00	10,156.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
2nd Bone Spring Lm										
10,200.00	0.00	0.00	10,200.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
10,300.00	0.00	0.00	10,300.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
10,400.00	0.00	0.00	10,400.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
10,500.00	0.00	0.00	10,500.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
10,557.00	0.00	0.00	10,557.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
2nd Bone Spring Ss										
10,600.00	0.00	0.00	10,600.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
10,700.00	0.00	0.00	10,700.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
10,800.00	0.00	0.00	10,800.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
10,900.00	0.00	0.00	10,900.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
11,000.00	0.00	0.00	11,000.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
11,014.00	0.00	0.00	11,014.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
3rd Bone Spring Lm										
11,073.00	0.00	0.00	11,073.00	0.00	0.00	0.00	0.00	541,254.20	753,682.40	
KOP Begin 10°/100' build										



Standard_report

Company:	XTO Energy Inc	Local Co-ordinate Reference:	Well Campo Fresca State Well No. 2H
Project:	Lea County, New Mexico	TVD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Site:	Campo Fresca State	MD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Well:	Campo Fresca State Well No. 2H	North Reference:	Grid
Wellbore:	Original hole	Survey Calculation Method:	Minimum Curvature
Design:	rev0	Database:	EDM 5000.1 Database

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100ft)	V. Sec (usft)	Northing (usft)	Easting (usft)	
11,100.00	2.70	179.56	11,099.99	-0.64	0.00	10.00	0.64	541,253.56	753,682.40	
11,200.00	12.70	179.56	11,198.96	-14.02	0.11	10.00	14.02	541,240.18	753,682.51	
11,300.00	22.70	179.56	11,294.11	-44.38	0.34	10.00	44.38	541,209.82	753,682.74	
11,400.00	32.70	179.56	11,382.53	-90.81	0.70	10.00	90.81	541,163.39	753,683.10	
11,500.00	42.70	179.56	11,461.56	-151.88	1.18	10.00	151.88	541,102.32	753,683.58	
11,566.09	49.31	179.56	11,507.44	-199.39	1.54	10.00	199.40	541,054.81	753,683.94	
3rd Bone Spring Ss										
11,600.00	52.70	179.56	11,528.77	-225.75	1.75	10.00	225.75	541,028.45	753,684.15	
11,700.00	62.70	179.56	11,582.14	-310.16	2.40	10.00	310.17	540,944.04	753,684.80	
11,800.00	72.70	179.56	11,620.04	-402.56	3.12	10.00	402.58	540,851.64	753,685.52	
11,900.00	82.70	179.56	11,641.31	-500.14	3.87	10.00	500.16	540,754.06	753,686.27	
11,966.00	89.30	179.56	11,645.91	-565.94	4.38	10.00	565.96	540,688.26	753,686.78	
Begin 89.30° lateral										
12,000.00	89.30	179.56	11,646.33	-599.94	4.64	0.00	599.96	540,654.26	753,687.04	
12,100.00	89.30	179.56	11,647.55	-699.93	5.42	0.00	699.95	540,554.27	753,687.82	
12,200.00	89.30	179.56	11,648.77	-799.92	6.19	0.00	799.94	540,454.28	753,688.59	
12,300.00	89.30	179.56	11,649.99	-899.91	6.97	0.00	899.93	540,354.29	753,689.37	
12,400.00	89.30	179.56	11,651.22	-999.90	7.74	0.00	999.93	540,254.30	753,690.14	
12,500.00	89.30	179.56	11,652.44	-1,099.89	8.51	0.00	1,099.92	540,154.31	753,690.91	
12,600.00	89.30	179.56	11,653.66	-1,199.88	9.29	0.00	1,199.91	540,054.32	753,691.69	
12,700.00	89.30	179.56	11,654.88	-1,299.86	10.06	0.00	1,299.90	539,954.34	753,692.46	
12,800.00	89.30	179.56	11,656.10	-1,399.85	10.84	0.00	1,399.90	539,854.35	753,693.24	
12,886.48	89.30	179.56	11,657.16	-1,486.32	11.51	0.00	1,486.37	539,767.88	753,693.91	
Target 11639 TVD @ OVS with 0.7° down dip										
12,900.00	89.30	179.56	11,657.33	-1,499.84	11.61	0.00	1,499.89	539,754.36	753,694.01	
13,000.00	89.30	179.56	11,658.55	-1,599.83	12.38	0.00	1,599.88	539,654.37	753,694.78	
13,100.00	89.30	179.56	11,659.77	-1,699.82	13.16	0.00	1,699.87	539,554.38	753,695.56	



Standard_report

Company:	XTO Energy Inc	Local Co-ordinate Reference:	Well Campo Fresa State Well No. 2H
Project:	Lea County, New Mexico	TVD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Site:	Campo Fresa State	MD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Well:	Campo Fresa State Well No. 2H	North Reference:	Grid
Wellbore:	Original hole	Survey Calculation Method:	Minimum Curvature
Design:	rev0	Database:	EDM 5000.1 Ddatabase

Planned Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100ft)	V. Sec (usft)	Northing (usft)	Easting (usft)
13,200.00	89.30	179.56	11,660.99	-1,799.81	13.93	0.00	1,799.87	539,454.39	753,696.33
13,300.00	89.30	179.56	11,662.21	-1,899.80	14.71	0.00	1,899.86	539,354.40	753,697.11
13,400.00	89.30	179.56	11,663.43	-1,999.79	15.48	0.00	1,999.85	539,254.41	753,697.88
13,500.00	89.30	179.56	11,664.66	-2,099.78	16.25	0.00	2,099.84	539,154.42	753,698.65
13,600.00	89.30	179.56	11,665.88	-2,199.77	17.03	0.00	2,199.84	539,054.43	753,699.43
13,700.00	89.30	179.56	11,667.10	-2,299.76	17.80	0.00	2,299.83	538,954.44	753,700.20
13,800.00	89.30	179.56	11,668.32	-2,399.75	18.58	0.00	2,399.82	538,854.45	753,700.98
13,900.00	89.30	179.56	11,669.54	-2,499.74	19.35	0.00	2,499.81	538,754.46	753,701.75
14,000.00	89.30	179.56	11,670.77	-2,599.73	20.12	0.00	2,599.81	538,654.47	753,702.52
14,100.00	89.30	179.56	11,671.99	-2,699.72	20.90	0.00	2,699.80	538,554.48	753,703.30
14,200.00	89.30	179.56	11,673.21	-2,799.71	21.67	0.00	2,799.79	538,454.49	753,704.07
14,300.00	89.30	179.56	11,674.43	-2,899.70	22.45	0.00	2,899.78	538,354.50	753,704.85
14,400.00	89.30	179.56	11,675.65	-2,999.69	23.22	0.00	2,999.78	538,254.51	753,705.62
14,500.00	89.30	179.56	11,676.87	-3,099.68	23.99	0.00	3,099.77	538,154.52	753,706.39
14,600.00	89.30	179.56	11,678.10	-3,199.67	24.77	0.00	3,199.76	538,054.53	753,707.17
14,700.00	89.30	179.56	11,679.32	-3,299.66	25.54	0.00	3,299.75	537,954.54	753,707.94
14,800.00	89.30	179.56	11,680.54	-3,399.65	26.32	0.00	3,399.75	537,854.55	753,708.72
14,900.00	89.30	179.56	11,681.76	-3,499.63	27.09	0.00	3,499.74	537,754.57	753,709.49
15,000.00	89.30	179.56	11,682.98	-3,599.62	27.86	0.00	3,599.73	537,654.58	753,710.26
15,100.00	89.30	179.56	11,684.21	-3,699.61	28.64	0.00	3,699.72	537,554.59	753,711.04
15,200.00	89.30	179.56	11,685.43	-3,799.60	29.41	0.00	3,799.72	537,454.60	753,711.81
15,300.00	89.30	179.56	11,686.65	-3,899.59	30.19	0.00	3,899.71	537,354.61	753,712.59
15,400.00	89.30	179.56	11,687.87	-3,999.58	30.96	0.00	3,999.70	537,254.62	753,713.36
15,500.00	89.30	179.56	11,689.09	-4,099.57	31.74	0.00	4,099.69	537,154.63	753,714.14
15,600.00	89.30	179.56	11,690.31	-4,199.56	32.51	0.00	4,199.69	537,054.64	753,714.91
15,700.00	89.30	179.56	11,691.54	-4,299.55	33.28	0.00	4,299.68	536,954.65	753,715.68
15,800.00	89.30	179.56	11,692.76	-4,399.54	34.06	0.00	4,399.67	536,854.66	753,716.46



Standard_report

Company:	XTO Energy Inc	Local Co-ordinate Reference:	Well Campo Fresa State Well No. 2H
Project:	Lea County, New Mexico	TVD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Site:	Campo Fresa State	MD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Well:	Campo Fresa State Well No. 2H	North Reference:	Grid
Wellbore:	Original hole	Survey Calculation Method:	Minimum Curvature
Design:	rev0	Database:	EDM 5000.1 Ddatabase

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100ft)	V. Sec (usft)	Northing (usft)	Easting (usft)
15,900.00	89.30	179.56	11,693.98	-4,499.53	34.83	0.00	4,499.66	536,754.67	753,717.23
16,000.00	89.30	179.56	11,695.20	-4,599.52	35.61	0.00	4,599.66	536,654.68	753,718.01
16,100.00	89.30	179.56	11,696.42	-4,699.51	36.38	0.00	4,699.65	536,554.69	753,718.78
16,200.00	89.30	179.56	11,697.64	-4,799.50	37.15	0.00	4,799.64	536,454.70	753,719.55
16,257.71	89.30	179.56	11,698.35	-4,857.20	37.60	0.00	4,857.35	536,397.00	753,720.00

PBHL/TD

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,790.00	1,790.00	Rustler		0.00	
1,883.00	1,883.00	Top Salt		0.00	
3,466.00	3,466.00	Base Salt		0.70	179.56
3,583.00	3,583.00	Yates		0.70	179.56
3,856.00	3,856.00	Capitan		0.70	179.56
5,815.00	5,815.00	Delaware		0.70	179.56
7,063.00	7,063.00	Brushy Canyon		0.70	179.56
8,790.00	8,790.00	Bone Spring		0.70	179.56
9,912.00	9,912.00	1st Bone Spring Ss		0.70	179.56
10,156.00	10,156.00	2nd Bone Spring Lm		0.70	179.56
10,557.00	10,557.00	2nd Bone Spring Ss		0.70	179.56
11,014.00	11,014.00	3rd Bone Spring Lm		0.70	179.56
11,566.09	11,505.00	3rd Bone Spring Ss		0.70	179.56
12,886.48	11,639.00	Target 11639 TVD @ 0VS with 0.7° dow		0.70	179.56



Standard_report

Company:	XTO Energy Inc	Local Co-ordinate Reference:	Well Campo Fresa State Well No- 2H
Project:	Lea County, New Mexico	TVD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Site:	Campo Fresa State	MD Reference:	RKB=3758+23 @ 3781.00usft (Nabors 730)
Well:	Campo Fresa State Well No. 2H	North Reference:	Grid
Wellbore:	Original hole	Survey Calculation Method:	Minimum Curvature
Design:	rev0	Database:	EDM 5000.1 Ddatabase

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,073.00	11,073.00	0.00	0.00	KOP Begin 10°/100' build
11,966.00	11,645.91	-565.94	4.38	Begin 89.30° lateral
16,257.71	11,698.35	-4,857.20	37.60	PBHL/TD