

RECEIVED

Intent ☒ As Drilled ☐

JUN 07 2019

API # 30-015-44391	DISTRICT II-ARTESIA O.C.D.	
Operator Name: XTO ENERGY INC	Property Name: REMUDA SOUTH 36 STATE	Well Number 166H

Kick Off Point (KOP)

UL G	Section 25	Township 23S	Range 29E	Lot	Feet 2279	From N/S NORTH	Feet 1995	From E/W EAST	County EDDY
Latitude 32.276909					Longitude -103.936038			NAD NAD83	

First Take Point (FTP)

UL J	Section 25	Township 23S	Range 29E	Lot	Feet 2320	From N/S SOUTH	Feet 1650	From E/W EAST	County EDDY
Latitude 32.274951					Longitude -103.934922			NAD NAD83	

Last Take Point (LTP)

UL O	Section 36	Township 23S	Range 29E	Lot	Feet 330	From N/S SOUTH	Feet 1650	From E/W EAST	County EDDY
Latitude 32.254858					Longitude -103.934904			NAD NAD83	

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

KZ 06/29/2018

KB 3083		Deepest TVD		11360		KOP		10760		End of Curve		11660		Measured depth		19160	
Casing Type	Fluid Type	Mud Weight	Hole Size	Casing Size	Casing Grade	Casing Weight	Top MD	Setting Depth	Lead Cement	Tail Cement	Total Sks Cement	TOC					
Surface	FW/Native	8.3 - 9.7	24	18.625	H40 STC	87.5	0	350	143	430	573	0					
1st Intermediate	Brine	9.0-10.3	17.5	13.325	J-55 STC	68	0	3118	1605	266	1871	0					
2nd Intermediate	FW/Native	8.3-9.7	12.25	9.625	J-55 LTC	40	0	10400	2046	110	2156	0					
Production	FW/Cut Brine	8.5 - 10	8.75	5.5	P110 BTC	20	0	19160	559	1003	1562	9900					
	OBM	13	8.75														

Max Expected Surface Pressure
5180

BOP
Cameron 10M Double Ram BOP
Test Pressure 10000

Total Vertical Section 7500

Contingencies
1. DV tool may be set in 2nd intermediate between 3168-3400'

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Project: Eddy County, NM (NAD27) NMEZ Grid
 Site: Remuda South 25 State Pad
 Well: RS25-166H
 Wellbore: 166H Lateral
 Design: Plan #1

DISTRICT II-ARTESIA O.C.D.

3061+22 @ 3083.00usft (Perseus)
 NAD 1927 (NADCON CONUS)

To convert a Magnetic Direction to a Grid Direction, Add 6.71°

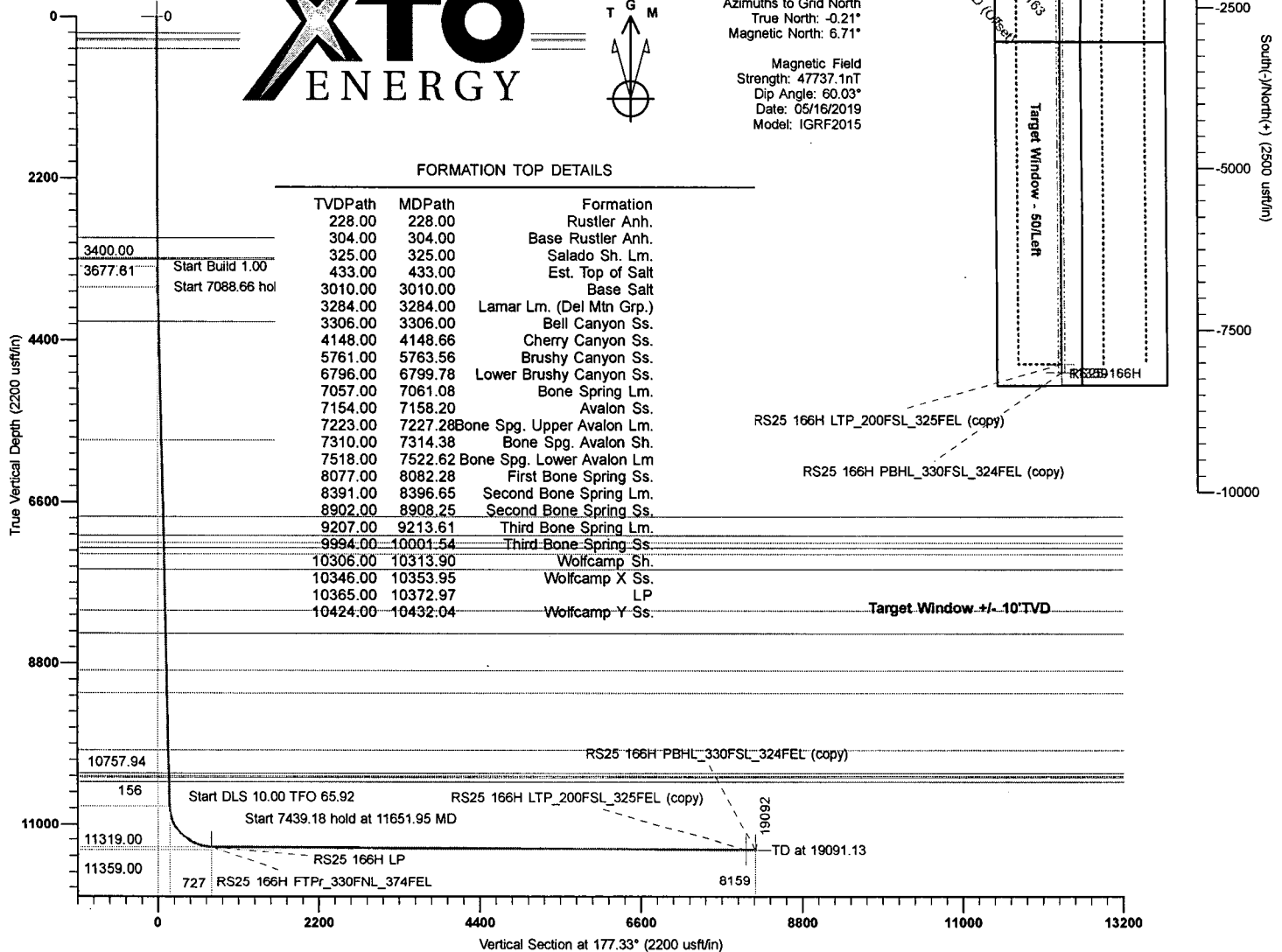


Azimuths to Grid North
 True North: -0.21°
 Magnetic North: 6.71°

Magnetic Field
 Strength: 47737.1nT
 Dip Angle: 60.03°
 Date: 05/16/2019
 Model: IGRF2015

FORMATION TOP DETAILS

TVDPATH	MDPATH	FORMATION
228.00	228.00	Rustler Anh.
304.00	304.00	Base Rustler Anh.
325.00	325.00	Salado Sh. Lm.
433.00	433.00	Est. Top of Salt
3010.00	3010.00	Base Salt
3284.00	3284.00	Lamar Lm. (Del Mtn Grp.)
3306.00	3306.00	Bell Canyon Ss.
4148.00	4148.66	Cherry Canyon Ss.
5761.00	5763.56	Brushy Canyon Ss.
6796.00	6799.78	Lower Brushy Canyon Ss.
7057.00	7061.08	Bone Spring Lm.
7154.00	7158.20	Avalon Ss.
7223.00	7227.28	Bone Spg. Upper Avalon Lm.
7310.00	7314.38	Bone Spg. Avalon Sh.
7518.00	7522.62	Bone Spg. Lower Avalon Lm
8077.00	8082.28	First Bone Spring Ss.
8391.00	8396.65	Second Bone Spring Lm.
8902.00	8908.25	Second Bone Spring Ss.
9207.00	9213.61	Third Bone Spring Lm.
9994.00	10001.54	Third Bone Spring Ss.
10306.00	10313.90	Wolfcamp Sh.
10346.00	10353.95	Wolfcamp X Ss.
10365.00	10372.97	LP
10424.00	10432.04	Wolfcamp Y Ss.

**TARGET DETAILS**

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
RS25 166H SHL (copy)	0.00	0.00	0.00	464641.33	622941.45	Point
RS25 166H FTPr_330FNL_374FEL	11319.00	-711.30	347.50	463930.03	623288.95	Point
RS25 166H LP	11319.00	-710.50	347.50	463930.83	623288.95	Point
RS25 166H LTP_200FSL_325FEL (copy)	11359.00	-8020.30	380.00	456621.01	623321.45	Point
RS25 166H PBHL_330FSL_324FEL (copy)	11359.00	-8150.30	380.60	456491.01	623322.05	Rectangle (Sides: L7440.00 W100.00)

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	
3677.71	2.78	113.86	3677.61	-2.72	6.15	1.00	113.86	3.01	
10766.37	2.78	113.86	10757.94	-141.65	320.26	0.00	0.00	156.43	
11651.95	89.69	179.75	11319.00	-711.30	347.50	10.00	65.92	726.73	RS25 166H FTPr 330FNL 374FEL
19091.13	89.69	179.75	11359.00	-8150.30	380.60	0.00	0.00	8159.18	RS25 166H PBHL_330FSL_324FEL (copy)

Plan: Plan #1 (RS25-166H/166H Lateral)
 Created By: Mekka Williams
 eSomina Well Design
 mekka@esominawelldesign.com
 11:23, May 22 2019

TRUE PERFORMANCE DIRECTIONAL DRILLING
 5075 E 52nd Street, Odessa, Texas 79762
 281.222.8366



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3061+22 @ 3083.00usft (Perseus)
NAD 1927 (NADCON CONUS)

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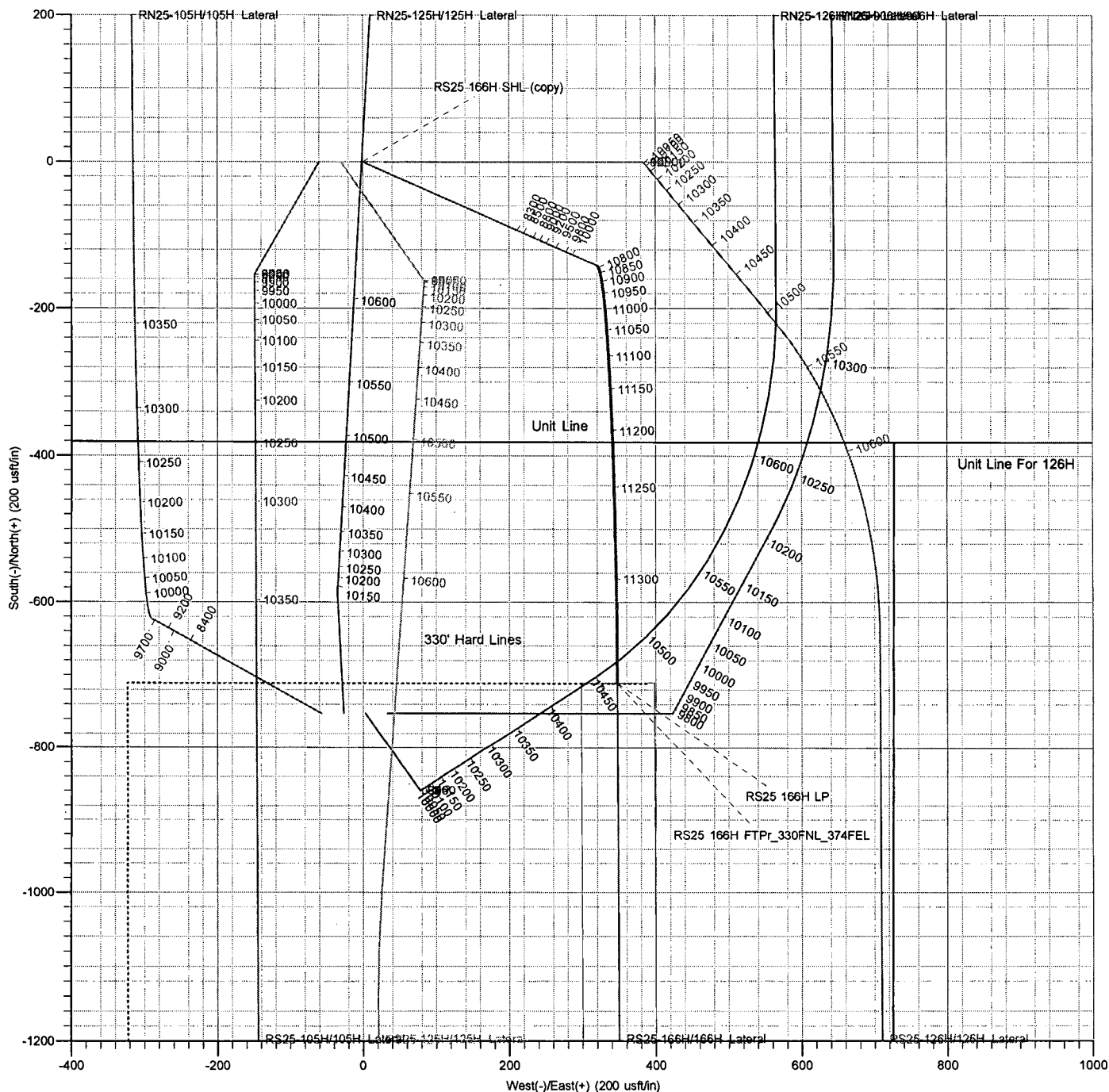


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True North: -0.21°
Magnetic North: 6.71°

Magnetic Field
Strength: 47737.1nT
Dip Angle: 60.03°
Date: 05/16/2019
Model: MagVar TBD



To convert a Magnetic Direction to a Grid Direction, Add 6.71°



Plan: Plan #1 (RS25-166H/166H Lateral)
Created By: Mekka Williams
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11:13, May 22 2019

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