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DEC 24 2018

DISTRICT II-ARTESIA O.C.D.

30.015-44307

Remuda North 25 State 122H

Field Name: Eddy Co., NM (NAD 27 NME)	Map Units: US ft		Company Name: XTO Energy	
	Vertical Reference Datum (VRD): Mean Sea Level			
	Projected Coordinate System: NAD27 / New Mexico East			
Comment:				
Site: Remuda North 25 State 122H, 121H, 101H, 902H, 701H, 702 H	Units: US ft	North Reference: Grid	Convergence Angle: 0.21	
	Position:	Northing: 463886.50 US ft	Latitude: 32° 16' 29.07"	
		Easting: 620308.40 US ft	Longitude: -103° 56' 38.66"	
	Elevation above MSL: 3065.00 US ft			
Comment:				
Slot: Remuda North 25 State 122H	Position (Relative to Site Centre)			
	+N/-S: 0.00 US ft	Northing: 463886.50 US ft	Latitude: 32°16'29.07"	
	+E/-W: 0.00 US ft	Easting: 620308.40 US ft	Longitude: -103°56'38.66"	
	Elevation above MSL: 3065.00 US ft			
Comment:				
Well: Remuda North 25 State 122H	Type: Main well		UWI:	Plan: P1:V5
	File Number:	Comment:		
	Closure Distance: 8149.8 US ft		Closure Azimuth: 1.86°	
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: 0.00 US ft	+E/-W: 0.00 US ft	Az: 359.61°	
	Magnetic Parameters:			
	Model: bggm2017	Field Strength: 47941.6 nT	Declination: 7.13°	Dip: 60.01° Date: 18/Feb/2018

Drill floor: Plan: P1:V5

Rig Height (Well TVD Reference): 24.00 US ft	Elevation above MSL: 3089.00 US ft	Inclination: 0.00°	Azimuth: 0.00°
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Target set: Remuda North 25 State 122H Comment:

Target Name:	Shape:	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	C. Pt. Distance (US ft)	Comment
FTP	Cylinder	10542.00	704.10	314.90	464590.60	620623.30	0.63	
LTP	Cylinder	10542.00	8015.50	266.00	471902.00	620574.40	0.41	
PBHL 122H	Cuboid	10542.00	8145.50	264.70	472032.00	620573.10	0.00	

Casing Points: (Relative to Slot centre) (TVD relative to Well TVD Reference)

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	Name
320.00	0.00	0.00	320.00	0.00	-2769.00	463886.50	620308.40	13 3/8 in

5D Plan Report

Casing Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)								
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	Name
7500.00	0.00	0.00	7500.00	0.00	4411.00	463886.50	620308.40	9 5/8 in

Wellpath created using minimum curvature.

Tie Point:

MD: 0.00USFt Inclination: 0.00° Azimuth: 0.00° TVD: 0.00USFt North Offset: 0.00USFt East Offset: 0.00USFt

Salient Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	B. Rate (%/100US ft)	T. Rate (%/100US ft)	DLS (%/100US ft)	Comment
0.00	0.00	0.00	0.00	-3089.00	0.00	0.00	0.00	0.00	0.00	0.00	
320.00	0.00	0.00	320.00	-2769.00	0.00	0.00	0.00	0.00	0.00	0.00	13 3/8 in
7500.00	0.00	0.00	7500.00	4411.00	0.00	0.00	0.00	0.00	0.00	0.00	9 5/8 in
9811.53	0.00	0.00	9811.53	6722.53	0.00	0.00	0.00	0.00	0.00	0.00	KOP
10106.53	29.50	77.20	10093.67	7004.67	15.96	16.46	72.43	10.00	0.00	10.00	Build/Turn
10945.80	90.00	359.61	10542.09	7453.09	585.72	587.88	316.32	7.21	-9.25	10.00	LP
18503.59	90.00	359.61	10542.00	7453.00	8143.51	8145.50	264.70	0.00	0.00	0.00	PBHL 122H

Interpolated Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (%/100US ft)	Comment
0.00	0.00	0.00	0.00	-3089.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
100.00	0.00	0.00	100.00	-2989.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
200.00	0.00	0.00	200.00	-2889.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
300.00	0.00	0.00	300.00	-2789.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
320.00	0.00	0.00	320.00	-2769.00	0.00	0.00	0.00	463886.50	620308.40	0.00	13 3/8 in
400.00	0.00	0.00	400.00	-2689.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
500.00	0.00	0.00	500.00	-2589.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
600.00	0.00	0.00	600.00	-2489.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
700.00	0.00	0.00	700.00	-2389.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
800.00	0.00	0.00	800.00	-2289.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
900.00	0.00	0.00	900.00	-2189.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
1000.00	0.00	0.00	1000.00	-2089.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
1100.00	0.00	0.00	1100.00	-1989.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
1200.00	0.00	0.00	1200.00	-1889.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
1300.00	0.00	0.00	1300.00	-1789.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
1400.00	0.00	0.00	1400.00	-1689.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
1500.00	0.00	0.00	1500.00	-1589.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
1600.00	0.00	0.00	1600.00	-1489.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
1700.00	0.00	0.00	1700.00	-1389.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
1800.00	0.00	0.00	1800.00	-1289.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
1900.00	0.00	0.00	1900.00	-1189.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
2000.00	0.00	0.00	2000.00	-1089.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
2100.00	0.00	0.00	2100.00	-989.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
2200.00	0.00	0.00	2200.00	-889.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
2300.00	0.00	0.00	2300.00	-789.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
2400.00	0.00	0.00	2400.00	-689.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
2500.00	0.00	0.00	2500.00	-589.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
2600.00	0.00	0.00	2600.00	-489.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
2700.00	0.00	0.00	2700.00	-389.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
2800.00	0.00	0.00	2800.00	-289.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
2900.00	0.00	0.00	2900.00	-189.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
3000.00	0.00	0.00	3000.00	-89.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
3100.00	0.00	0.00	3100.00	11.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
3200.00	0.00	0.00	3200.00	111.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
3300.00	0.00	0.00	3300.00	211.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
3400.00	0.00	0.00	3400.00	311.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
3500.00	0.00	0.00	3500.00	411.00	0.00	0.00	0.00	463886.50	620308.40	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)											Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	
3600.00	0.00	0.00	3600.00	511.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
3700.00	0.00	0.00	3700.00	611.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
3800.00	0.00	0.00	3800.00	711.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
3900.00	0.00	0.00	3900.00	811.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
4000.00	0.00	0.00	4000.00	911.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
4100.00	0.00	0.00	4100.00	1011.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
4200.00	0.00	0.00	4200.00	1111.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
4300.00	0.00	0.00	4300.00	1211.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
4400.00	0.00	0.00	4400.00	1311.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
4500.00	0.00	0.00	4500.00	1411.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
4600.00	0.00	0.00	4600.00	1511.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
4700.00	0.00	0.00	4700.00	1611.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
4800.00	0.00	0.00	4800.00	1711.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
4900.00	0.00	0.00	4900.00	1811.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
5000.00	0.00	0.00	5000.00	1911.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
5100.00	0.00	0.00	5100.00	2011.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
5200.00	0.00	0.00	5200.00	2111.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
5300.00	0.00	0.00	5300.00	2211.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
5400.00	0.00	0.00	5400.00	2311.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
5500.00	0.00	0.00	5500.00	2411.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
5600.00	0.00	0.00	5600.00	2511.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
5700.00	0.00	0.00	5700.00	2611.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
5800.00	0.00	0.00	5800.00	2711.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
5900.00	0.00	0.00	5900.00	2811.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
6000.00	0.00	0.00	6000.00	2911.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
6100.00	0.00	0.00	6100.00	3011.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
6200.00	0.00	0.00	6200.00	3111.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
6300.00	0.00	0.00	6300.00	3211.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
6400.00	0.00	0.00	6400.00	3311.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
6500.00	0.00	0.00	6500.00	3411.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
6600.00	0.00	0.00	6600.00	3511.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
6700.00	0.00	0.00	6700.00	3611.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
6800.00	0.00	0.00	6800.00	3711.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
6900.00	0.00	0.00	6900.00	3811.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
7000.00	0.00	0.00	7000.00	3911.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
7100.00	0.00	0.00	7100.00	4011.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
7200.00	0.00	0.00	7200.00	4111.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
7300.00	0.00	0.00	7300.00	4211.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
7400.00	0.00	0.00	7400.00	4311.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
7500.00	0.00	0.00	7500.00	4411.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
7600.00	0.00	0.00	7600.00	4511.00	0.00	0.00	0.00	463886.50	620308.40	0.00	9 5/8 in
7700.00	0.00	0.00	7700.00	4611.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
7800.00	0.00	0.00	7800.00	4711.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
7900.00	0.00	0.00	7900.00	4811.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
8000.00	0.00	0.00	8000.00	4911.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
8100.00	0.00	0.00	8100.00	5011.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
8200.00	0.00	0.00	8200.00	5111.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
8300.00	0.00	0.00	8300.00	5211.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
8400.00	0.00	0.00	8400.00	5311.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
8500.00	0.00	0.00	8500.00	5411.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
8600.00	0.00	0.00	8600.00	5511.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
8700.00	0.00	0.00	8700.00	5611.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
8800.00	0.00	0.00	8800.00	5711.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
8900.00	0.00	0.00	8900.00	5811.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
9000.00	0.00	0.00	9000.00	5911.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
9100.00	0.00	0.00	9100.00	6011.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
9200.00	0.00	0.00	9200.00	6111.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
9300.00	0.00	0.00	9300.00	6211.00	0.00	0.00	0.00	463886.50	620308.40	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
9400.00	0.00	0.00	9400.00	6311.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
9500.00	0.00	0.00	9500.00	6411.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
9600.00	0.00	0.00	9600.00	6511.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
9700.00	0.00	0.00	9700.00	6611.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
9800.00	0.00	0.00	9800.00	6711.00	0.00	0.00	0.00	463886.50	620308.40	0.00	
9811.53	0.00	0.00	9811.53	6722.53	0.00	0.00	0.00	463886.50	620308.40	0.00	KOP
9900.00	8.85	77.20	9899.65	6810.65	1.46	1.51	6.65	463888.01	620315.05	10.00	
10000.00	18.85	77.20	9996.62	6907.62	6.60	6.81	29.96	463893.31	620338.36	10.00	
10100.00	28.85	77.20	10087.97	6998.97	15.28	15.75	69.33	463902.25	620377.73	10.00	
10106.53	29.50	77.20	10093.67	7004.67	15.96	16.46	72.43	463902.96	620380.83	10.00	Build/Turn
10200.00	32.46	59.91	10173.96	7084.96	33.38	34.17	116.68	463920.67	620425.08	10.00	
10300.00	37.77	45.11	10255.88	7166.88	68.22	69.33	161.71	463955.83	620470.11	10.00	
10400.00	44.50	33.83	10331.26	7242.26	118.80	120.18	203.01	464006.68	620511.41	10.00	
10500.00	52.10	25.09	10397.81	7308.81	183.55	185.19	239.34	464071.69	620547.74	10.00	
10600.00	60.21	18.05	10453.50	7364.50	260.53	262.37	269.59	464148.87	620577.99	10.00	
10700.00	68.65	12.08	10496.65	7407.65	347.39	349.39	292.84	464235.89	620601.24	10.00	
10800.00	77.27	6.78	10525.95	7436.95	441.49	443.60	308.38	464330.10	620616.78	10.00	
10900.00	85.99	1.83	10540.49	7451.49	539.97	542.13	315.75	464428.63	620624.15	10.00	
10945.80	90.00	359.61	10542.09	7453.09	585.72	587.88	316.32	464474.38	620624.72	10.00	LP
11000.00	90.00	359.61	10542.09	7453.09	639.92	642.09	315.95	464528.59	620624.35	0.00	
11100.00	90.00	359.61	10542.09	7453.09	739.92	742.08	315.27	464628.58	620623.67	0.00	
11200.00	90.00	359.61	10542.09	7453.09	839.92	842.08	314.59	464728.58	620622.99	0.00	
11300.00	90.00	359.61	10542.09	7453.09	939.92	942.08	313.90	464828.58	620622.30	0.00	
11400.00	90.00	359.61	10542.09	7453.09	1039.92	1042.08	313.22	464928.58	620621.62	0.00	
11500.00	90.00	359.61	10542.09	7453.09	1139.92	1142.07	312.54	465028.57	620620.94	0.00	
11600.00	90.00	359.61	10542.09	7453.09	1239.92	1242.07	311.85	465128.57	620620.25	0.00	
11700.00	90.00	359.61	10542.08	7453.08	1339.92	1342.07	311.17	465228.57	620619.57	0.00	
11800.00	90.00	359.61	10542.08	7453.08	1439.92	1442.07	310.49	465328.57	620618.89	0.00	
11900.00	90.00	359.61	10542.08	7453.08	1539.92	1542.07	309.80	465428.57	620618.20	0.00	
12000.00	90.00	359.61	10542.08	7453.08	1639.92	1642.06	309.12	465528.56	620617.52	0.00	
12100.00	90.00	359.61	10542.08	7453.08	1739.92	1742.06	308.44	465628.56	620616.84	0.00	
12200.00	90.00	359.61	10542.08	7453.08	1839.92	1842.06	307.76	465728.56	620616.16	0.00	
12300.00	90.00	359.61	10542.08	7453.08	1939.92	1942.06	307.07	465828.56	620615.47	0.00	
12400.00	90.00	359.61	10542.08	7453.08	2039.92	2042.05	306.39	465928.55	620614.79	0.00	
12500.00	90.00	359.61	10542.07	7453.07	2139.92	2142.05	305.71	466028.55	620614.11	0.00	
12600.00	90.00	359.61	10542.07	7453.07	2239.92	2242.05	305.02	466128.55	620613.42	0.00	
12700.00	90.00	359.61	10542.07	7453.07	2339.92	2342.05	304.34	466228.55	620612.74	0.00	
12800.00	90.00	359.61	10542.07	7453.07	2439.92	2442.04	303.66	466328.54	620612.06	0.00	
12900.00	90.00	359.61	10542.07	7453.07	2539.92	2542.04	302.97	466428.54	620611.37	0.00	
13000.00	90.00	359.61	10542.07	7453.07	2639.92	2642.04	302.29	466528.54	620610.69	0.00	
13100.00	90.00	359.61	10542.07	7453.07	2739.92	2742.04	301.61	466628.54	620610.01	0.00	
13200.00	90.00	359.61	10542.07	7453.07	2839.92	2842.03	300.92	466728.53	620609.32	0.00	
13300.00	90.00	359.61	10542.06	7453.06	2939.92	2942.03	300.24	466828.53	620608.64	0.00	
13400.00	90.00	359.61	10542.06	7453.06	3039.92	3042.03	299.56	466928.53	620607.96	0.00	
13500.00	90.00	359.61	10542.06	7453.06	3139.92	3142.03	298.88	467028.53	620607.28	0.00	
13600.00	90.00	359.61	10542.06	7453.06	3239.92	3242.03	298.19	467128.53	620606.59	0.00	
13700.00	90.00	359.61	10542.06	7453.06	3339.92	3342.02	297.51	467228.52	620605.91	0.00	
13800.00	90.00	359.61	10542.06	7453.06	3439.92	3442.02	296.83	467328.52	620605.23	0.00	
13900.00	90.00	359.61	10542.06	7453.06	3539.92	3542.02	296.14	467428.52	620604.54	0.00	
14000.00	90.00	359.61	10542.06	7453.06	3639.92	3642.02	295.46	467528.52	620603.86	0.00	
14100.00	90.00	359.61	10542.05	7453.05	3739.92	3742.01	294.78	467628.51	620603.18	0.00	
14200.00	90.00	359.61	10542.05	7453.05	3839.92	3842.01	294.09	467728.51	620602.49	0.00	
14300.00	90.00	359.61	10542.05	7453.05	3939.92	3942.01	293.41	467828.51	620601.81	0.00	
14400.00	90.00	359.61	10542.05	7453.05	4039.92	4042.01	292.73	467928.51	620601.13	0.00	
14500.00	90.00	359.61	10542.05	7453.05	4139.92	4142.00	292.05	468028.50	620600.45	0.00	
14600.00	90.00	359.61	10542.05	7453.05	4239.92	4242.00	291.36	468128.50	620599.76	0.00	
14700.00	90.00	359.61	10542.05	7453.05	4339.92	4342.00	290.68	468228.50	620599.08	0.00	
14800.00	90.00	359.61	10542.05	7453.05	4439.92	4442.00	290.00	468328.50	620598.40	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)											Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	
14900.00	90.00	359.61	10542.04	7453.04	4539.92	4542.00	289.31	468428.50	620597.71	0.00	
15000.00	90.00	359.61	10542.04	7453.04	4639.92	4641.99	288.63	468528.49	620597.03	0.00	
15100.00	90.00	359.61	10542.04	7453.04	4739.92	4741.99	287.95	468628.49	620596.35	0.00	
15200.00	90.00	359.61	10542.04	7453.04	4839.92	4841.99	287.26	468728.49	620595.66	0.00	
15300.00	90.00	359.61	10542.04	7453.04	4939.92	4941.99	286.58	468828.49	620594.98	0.00	
15400.00	90.00	359.61	10542.04	7453.04	5039.92	5041.98	285.90	468928.48	620594.30	0.00	
15500.00	90.00	359.61	10542.04	7453.04	5139.92	5141.98	285.22	469028.48	620593.62	0.00	
15600.00	90.00	359.61	10542.04	7453.04	5239.92	5241.98	284.53	469128.48	620592.93	0.00	
15700.00	90.00	359.61	10542.03	7453.03	5339.92	5341.98	283.85	469228.48	620592.25	0.00	
15800.00	90.00	359.61	10542.03	7453.03	5439.92	5441.97	283.17	469328.47	620591.57	0.00	
15900.00	90.00	359.61	10542.03	7453.03	5539.92	5541.97	282.48	469428.47	620590.88	0.00	
16000.00	90.00	359.61	10542.03	7453.03	5639.92	5641.97	281.80	469528.47	620590.20	0.00	
16100.00	90.00	359.61	10542.03	7453.03	5739.92	5741.97	281.12	469628.47	620589.52	0.00	
16200.00	90.00	359.61	10542.03	7453.03	5839.92	5841.96	280.43	469728.46	620588.83	0.00	
16300.00	90.00	359.61	10542.03	7453.03	5939.92	5941.96	279.75	469828.46	620588.15	0.00	
16400.00	90.00	359.61	10542.03	7453.03	6039.92	6041.96	279.07	469928.46	620587.47	0.00	
16500.00	90.00	359.61	10542.02	7453.02	6139.92	6141.96	278.39	470028.46	620586.79	0.00	
16600.00	90.00	359.61	10542.02	7453.02	6239.92	6241.96	277.70	470128.46	620586.10	0.00	
16700.00	90.00	359.61	10542.02	7453.02	6339.92	6341.95	277.02	470228.45	620585.42	0.00	
16800.00	90.00	359.61	10542.02	7453.02	6439.92	6441.95	276.34	470328.45	620584.74	0.00	
16900.00	90.00	359.61	10542.02	7453.02	6539.92	6541.95	275.65	470428.45	620584.05	0.00	
17000.00	90.00	359.61	10542.02	7453.02	6639.92	6641.95	274.97	470528.45	620583.37	0.00	
17100.00	90.00	359.61	10542.02	7453.02	6739.92	6741.94	274.29	470628.44	620582.69	0.00	
17200.00	90.00	359.61	10542.02	7453.02	6839.92	6841.94	273.60	470728.44	620582.00	0.00	
17300.00	90.00	359.61	10542.02	7453.02	6939.92	6941.94	272.92	470828.44	620581.32	0.00	
17400.00	90.00	359.61	10542.01	7453.01	7039.92	7041.94	272.24	470928.44	620580.64	0.00	
17500.00	90.00	359.61	10542.01	7453.01	7139.92	7141.93	271.55	471028.43	620579.95	0.00	
17600.00	90.00	359.61	10542.01	7453.01	7239.92	7241.93	270.87	471128.43	620579.27	0.00	
17700.00	90.00	359.61	10542.01	7453.01	7339.92	7341.93	270.19	471228.43	620578.59	0.00	
17800.00	90.00	359.61	10542.01	7453.01	7439.92	7441.93	269.51	471328.43	620577.91	0.00	
17900.00	90.00	359.61	10542.01	7453.01	7539.92	7541.93	268.82	471428.43	620577.22	0.00	
18000.00	90.00	359.61	10542.01	7453.01	7639.92	7641.92	268.14	471528.42	620576.54	0.00	
18100.00	90.00	359.61	10542.01	7453.01	7739.92	7741.92	267.46	471628.42	620575.86	0.00	
18200.00	90.00	359.61	10542.00	7453.00	7839.92	7841.92	266.77	471728.42	620575.17	0.00	
18300.00	90.00	359.61	10542.00	7453.00	7939.92	7941.92	266.09	471828.42	620574.49	0.00	
18400.00	90.00	359.61	10542.00	7453.00	8039.92	8041.91	265.41	471928.41	620573.81	0.00	
18500.00	90.00	359.61	10542.00	7453.00	8139.92	8141.91	264.72	472028.41	620573.12	0.00	
18503.59	90.00	359.61	10542.00	7453.00	8143.51	8145.50	264.70	472032.00	620573.10	0.00	PBHL 122H

Formation Points: (Relative to Slot centre)(TVD relative to Well TVD Reference)									
Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	TVD (MSL) (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)
Wolfcamp B	N/A	0.00	0.00	10702.00	7613.00	0.00	0.00	463886.50	620308.40
Rustler	139.00	0.00	0.00	139.00	-2950.00	0.00	0.00	463886.50	620308.40
Top Salt	338.00	0.00	0.00	338.00	-2751.00	0.00	0.00	463886.50	620308.40
Base Salt	3024.00	0.00	0.00	3024.00	-65.00	0.00	0.00	463886.50	620308.40
Delaware	3234.00	0.00	0.00	3234.00	145.00	0.00	0.00	463886.50	620308.40
Cherry Canyon	4123.00	0.00	0.00	4123.00	1034.00	0.00	0.00	463886.50	620308.40
Brushy Canyon	5677.00	0.00	0.00	5677.00	2588.00	0.00	0.00	463886.50	620308.40
Bone Spring	6908.00	0.00	0.00	6908.00	3819.00	0.00	0.00	463886.50	620308.40
1st BS Ss	8000.00	0.00	0.00	8000.00	4911.00	0.00	0.00	463886.50	620308.40
2nd BS Ss	8835.00	0.00	0.00	8835.00	5746.00	0.00	0.00	463886.50	620308.40
3rd BS Ss	9919.64	10.81	77.20	9919.00	6830.00	2.25	9.92	463888.75	620318.32
Wolfcamp Sh	10301.42	37.85	44.93	10257.00	7168.00	69.94	162.32	463956.44	620470.72
Wolfcamp A	10508.51	52.77	24.44	10403.00	7314.00	191.32	242.17	464077.82	620550.57