

# James Ranch Unit DI 1A #203H

**Field Name:** Eddy Co., NM (NAD 27 NME)

**Map Units:** US ft  
**Vertical Reference Datum (VRD):** Mean Sea Level  
**Projected Coordinate System:** NAD27 / New Mexico East

**Site:** James Ranch Unit DI 1A #203H, 204H, 206H Pad

**Company Name:** XTO Energy  
**Units:** US ft

**Position:**  
**Northing:** 502646.10US ft      **Latitude:** 32° 22' 51.95"  
**Easting:** 638042.90US ft      **Longitude:** -103° 53' 10.21"

**North Reference:** Grid      **Convergence Angle:** 0.24  
**Elevation above MSL:** 3155.00US ft  
**Comment:**

**Slot:** James Ranch Unit DI 1A #203H

**Position (Relative to Site Centre)**  
**+N/-S: 0.00US ft**      **Northing:** 502646.10US ft      **Latitude:** 32° 22' 51.95"  
**+E/-W: 0.00US ft**      **Easting:** 638042.90US ft      **Longitude:** -103° 53' 10.21"  
**Elevation above MSL:** 3155.00US ft  
**Comment:**

**Well:** James Ranch Unit DI 1A #203H

**Type:** Main well  
**File Number:** 13454654  
**Closure Distance:** 10098US ft      **Closure Azimuth:** 84.38°  
**Comment:**

**Vertical Section:**  
**Position of Origin (Relative to Slot centre)**      **+N/-S: -0.00US ft**      **+E/-W: -0.00US ft**      **Az: 89.87°**

**Casing Points:** (Relative to Slot centre)(TVD relative to Drill Floor)

MD	Inc	Az	TVD	N.Offset	E.Offset	Northing	Easting	Name
(US ft)	(°)	(°)	(US ft)	(US ft)	(US ft)	(US ft)	(US ft)	
8231	1.07	258.43	8227.12	5047.12	48.56	-133.76	502694.66	637909.14 9 5/8 in

**Drill floor:** Survey Name: Definitive Survey

**Rig Height (Drill Floor):** 25.00US ft      **Elevation above MSL:** 3180.00US ft      **Inclination:** 0.00°      **Azimuth:** 0.00°

Wellpath created using minimum curvature.

**Survey Tool Ranges:**

Survey Tool	Start MD (USft)	End MD (USft)	Source Survey
MWD	0	8177	MWD
MWD	8177	9663	WFT MWD SVY_1
MWD	9663	10377	WFT MWD SVY_2
MWD	10377	16710	WFT MWD SVY_3
MWD	16710	18638	WFT MWD SVY_4
MWD	18638	20246	WFT MWD SVY_5
MWD	20246	20719	WFT MWD SVY_6
MWD	20719	21076	WFT MWD SVY_7

**Survey**

**Survey Name:** Definitive Survey      **Date:** 5-Oct-18      **Survey Tool:** See Survey Tool Ranges below.      **Comment:**      **Company:**

**Magnetic Model:**

**Model Name:** bggm2018      **Date:** 25/Oct/2018 (dd/mm/yyyy)      **Field Strength:** 47913.4nT      **Declination:** 7.03°      **Dip:** 60.09°

**Tie Point:**

**MD:** 0.00 US ft      **Inclination:** 0.00°      **Azimuth:** 0.00°      **TVD:** 0.00 US ft      **North Offset:** -0.00 US ft      **East Offset:** -0.00 US ft

**Survey Points:** (Relative to Slot centre)(TVD relative to Drill Floor)

MD	Inc	Az	TVD	TVD (MSL)	VS	N.Offset	E.Offset	Northing	Easting	DLS	Comment
(US ft)	(°)	(°)	(US ft)	(US ft)	(US ft)	(US ft)	(US ft)	(US ft)	(US ft)	(°/100US ft)	
0	0	0	0	-3180	0	0	0	502646.1	638042.9	0	
148	1.1	2.76	147.99	-3032.01	0.07	1.42	0.07	502647.52	638042.97	0.74	
246	0.4	243.76	245.99	-2934.01	-0.19	2.21	-0.19	502648.31	638042.71	1.37	
336	1.3	337.76	335.98	-2844.02	-0.85	3.01	-0.86	502649.11	638042.04	1.54	
425	0.9	350.76	424.96	-2755.04	-1.35	4.64	-1.36	502650.74	638041.54	0.53	
457	1.4	334.76	456.95	-2723.05	-1.55	5.24	-1.56	502651.34	638041.34	1.84	
568	1.71	312.61	567.91	-2612.09	-3.34	7.59	-3.36	502653.69	638039.54	0.6	
647	1.8	303.21	646.88	-2533.12	-5.24	9.06	-5.27	502655.16	638037.63	0.38	
743	1.58	304.26	742.84	-2437.16	-7.6	10.64	-7.62	502656.74	638035.28	0.23	
838	1.58	308.92	837.8	-2342.2	-9.69	12.2	-9.72	502658.13	638033.18	0.14	
933	1.71	307.25	932.76	-2247.24	-11.84	13.88	-11.87	502659.98	638031.03	0.15	
1028	1.58	306.72	1027.72	-2152.28	-14.01	15.52	-14.05	502661.62	638028.85	0.14	
1123	1.71	309.45	1122.68	-2057.32	-16.15	17.2	-16.19	502663.3	638026.71	0.16	
1217	1.71	301.71	1216.64	-1963.36	-18.43	18.83	-18.47	502664.93	638024.43	0.25	
1312	1.71	302.33	1311.6	-1868.4	-20.83	20.33	-20.87	502666.43	638022.03	0.02	
1407	1.58	293.98	1406.56	-1773.44	-23.22	21.62	-23.27	502667.72	638019.63	0.29	
1502	1.71	291.08	1501.52	-1678.48	-25.73	22.67	-25.79	502668.77	638017.11	0.16	
1597	1.8	283.61	1596.47	-1583.53	-28.5	23.53	-28.56	502669.63	638014.34	0.26	
1692	2.02	285.45	1691.42	-1488.58	-31.57	24.32	-31.62	502670.42	638011.28	0.24	
1786	2.11	291.56	1785.36	-1394.64	-34.77	25.41	-34.82	502671.51	638008.08	0.27	