



Weatherford

Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
333 W. Sheridan Ave
Oklahoma City, OK, 73102

Date: November 6, 2017

Attention: Ian Norwalk

Re: Devon Energy
Well: Rio Blanco 4-33 Fed Com 3H
Lea County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc., a Weatherford company. Other information required by your office is as follows:

<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Andrew Schmidt	3H	157' MD	10/10/2017	Measurement
MWD Supervisor		17,709' MD	11/04/2017	While Drilling

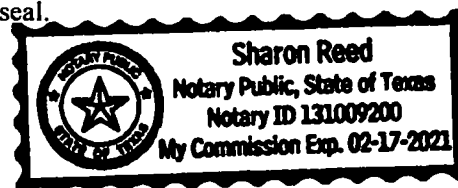
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jonathan Leger
MWD Ops Coordinator

On this, the 6th day of November, 2017 before me a notary public, the undersigned officer, personally appeared Jonathan Leger, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Notary Public



**5D Survey Report**

Devon Energy

Field Name: *Lea Co, NM Nad 83 NMEZ*
Site Name: *Rio Blanco 4-33 Fed Com Pad*
Well Name: *Rio Blanco 4-33 Fed Com 3H*
Survey: *Definitive survey*

6 November 2017





Rio Blanco 4-33 Fed Com 3H

Field Name: Lea Co, NM Nad 83 NMEZ	Map Units: US ft Vertical Reference Datum (VRD): Mean Sea Level Projected Coordinate System: NAD83 / New Mexico East (ftUS) Comment:	Company Name: Devon Energy
Site: Rio Blanco 4-33 Fed Com Pad	Units: US ft North Reference: Grid Convergence Angle: 0.46 Elevation above MSL: 3415.80 US ft Comment:	
Slot: Rio Blanco 4-33 Fed Com 3H	Slot TVD Reference: Ground Elevation Elevation above MSL: 3415.80 US ft Comment:	
Well: Rio Blanco 4-33 Fed Com 3H	Type: Main well UWI: File Number: Comment: Closure Distance: 7654.62 US ft Closure Azimuth: 359.35° Vertical Section: Position of Origin (Relative to Slot centre) +N/-S: 0.00 US ft +E/-W: 0.00 US ft Az: 359.57°	

Drill floor: Survey Name: Definitive Survey			
Rig Height (Drill Floor): 24.20 US ft	Elevation above MSL: 3440.00 US ft	Inclination: 0.00°	Azimuth: 0.00°

Survey Name: Definitive Survey				
Date: 27/Sep/2017	Survey Tool: See Survey Tool Ranges below.	Comment:	Company:	
Magnetic Model:				
Model Name: bggm2017	Date: 02/Oct/2017	Field Strength: 48059.7 nT	Declination: 6.95°	Dip: 60.16°
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 Tool Ranges:			
Name	Start MD(USFt)	End MD(USFt)	Source Survey
MWD	0.00	2230.00	MWD 1
MWD	2230.00	3381.00	MWD 2
MWD	3381.00	5103.00	MWD 3
MWD	5103.00	9704.00	MWD 4

5D Survey Report

Survey Tool Ranges:			
Name	Start MD(USFt)	End MD(USFt)	Source Survey
MWD	9704.00	10316.00	MWD 5
MWD	10316.00	10443.00	MWD 6
MWD	10443.00	17772.00	MWD 7

Wellpath created using minimum curvature.

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										Comment
MD (US Ft)	Inc (°)	Az (°)	TVD (US Ft)	VS (US Ft)	H. Offset (US Ft)	L. Offset (US Ft)	DLS (1000US Ft)	Heading (US Ft)	Easting (US Ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	486169.03	804186.97	First WFT MWD Svy
157.00	0.10	272.85	157.00	0.01	0.01	-0.14	0.06	486169.04	804186.83	
278.00	0.66	154.71	278.00	-0.62	-0.62	0.06	0.59	486168.41	804187.03	
379.00	1.29	143.34	378.98	-2.06	-2.06	0.98	0.65	486166.97	804187.95	
522.00	2.37	132.32	521.91	-5.37	-5.34	4.13	0.79	486163.69	804191.10	
671.00	1.91	128.60	670.80	-9.02	-8.96	8.35	0.32	486160.07	804195.32	
764.00	1.26	161.17	763.77	-10.97	-10.90	9.89	1.17	486158.13	804196.86	
854.00	1.84	135.79	853.74	-12.95	-12.87	11.22	0.98	486156.16	804198.19	
957.00	3.73	109.07	956.61	-15.26	-15.15	15.54	2.18	486153.88	804202.51	
1039.00	3.83	114.64	1038.44	-17.32	-17.16	20.55	0.46	486151.87	804207.52	
1130.00	3.52	119.39	1129.25	-19.99	-19.80	25.74	0.48	486149.23	804212.71	
1223.00	3.30	120.29	1222.08	-22.78	-22.55	30.54	0.24	486146.48	804217.51	
1313.00	3.25	121.14	1311.94	-25.44	-25.18	34.96	0.08	486143.85	804221.93	
1405.00	2.84	131.10	1403.81	-28.32	-28.02	38.91	0.73	486141.01	804225.88	
1498.00	2.74	144.32	1496.70	-31.66	-31.34	41.95	0.70	486137.69	804228.92	
1591.00	2.48	157.64	1589.60	-35.34	-35.01	44.01	0.71	486134.02	804230.98	
1683.00	2.36	177.23	1681.52	-39.08	-38.74	44.86	0.90	486130.29	804231.83	
1774.00	2.01	190.67	1772.46	-42.52	-42.18	44.65	0.68	486126.85	804231.62	
1865.00	1.68	210.05	1863.41	-45.23	-44.91	43.69	0.77	486124.12	804230.66	
1960.00	1.54	222.03	1958.37	-47.37	-47.06	42.14	0.38	486121.97	804229.11	
2055.00	1.57	226.81	2053.34	-49.20	-48.90	40.33	0.14	486120.13	804227.30	
2149.00	1.73	229.07	2147.30	-51.00	-50.71	38.32	0.18	486118.32	804225.29	
2230.00	1.82	230.65	2228.26	-52.60	-52.33	36.40	0.13	486116.70	804223.37	
2338.00	1.70	233.26	2336.21	-54.62	-54.37	33.79	0.13	486114.66	804220.76	
2432.00	1.79	238.26	2430.17	-56.21	-55.98	31.43	0.19	486113.05	804218.40	
2526.00	1.70	242.80	2524.12	-57.60	-57.39	28.94	0.18	486111.64	804215.91	
2622.00	1.62	257.62	2620.08	-58.53	-58.33	26.35	0.45	486110.70	804213.32	
2717.00	1.20	257.61	2715.05	-59.01	-58.83	24.06	0.44	486110.20	804211.03	
2812.00	1.07	267.01	2810.03	-59.26	-59.09	22.21	0.24	486109.94	804209.18	
2907.00	0.85	253.86	2905.02	-59.49	-59.33	20.64	0.33	486109.70	804207.61	
3002.00	0.75	253.50	3000.01	-59.85	-59.71	19.37	0.11	486109.32	804206.34	
3097.00	0.72	246.32	3095.00	-60.26	-60.12	18.23	0.10	486108.91	804205.20	
3191.00	0.85	215.68	3189.00	-61.05	-60.93	17.28	0.46	486108.10	804204.25	
3286.00	0.75	195.80	3283.99	-62.22	-62.10	16.70	0.31	486106.93	804203.67	
3381.00	0.47	169.44	3378.98	-63.20	-63.08	16.60	0.41	486105.95	804203.57	
3439.00	0.65	161.07	3436.98	-63.75	-63.62	16.75	0.34	486105.41	804203.72	
3603.00	0.30	166.74	3600.97	-65.05	-64.92	17.15	0.22	486104.11	804204.12	
3792.00	0.50	296.41	3789.97	-65.16	-65.03	16.53	0.39	486104.00	804203.50	
3886.00	0.10	66.10	3883.97	-64.94	-64.82	16.23	0.61	486104.21	804203.20	
3981.00	0.25	75.11	3978.97	-64.85	-64.73	16.51	0.16	486104.30	804203.48	
4075.00	0.45	71.42	4072.97	-64.69	-64.56	17.06	0.21	486104.47	804204.03	
4169.00	0.53	73.86	4166.96	-64.46	-64.32	17.83	0.09	486104.71	804204.80	
4264.00	0.29	67.07	4261.96	-64.24	-64.11	18.47	0.26	486104.92	804205.44	
4359.00	0.31	85.71	4356.96	-64.14	-63.99	18.95	0.10	486105.04	804205.92	
4454.00	0.36	83.52	4451.96	-64.09	-63.94	19.50	0.05	486105.09	804206.47	
4549.00	0.38	90.32	4546.96	-64.06	-63.91	20.11	0.05	486105.12	804207.08	
4644.00	0.44	97.52	4641.95	-64.11	-63.96	20.79	0.08	486105.07	804207.76	
4739.00	0.29	89.04	4736.95	-64.16	-64.00	21.39	0.17	486105.03	804208.36	
4834.00	0.38	129.42	4831.95	-64.36	-64.20	21.87	0.26	486104.83	804208.84	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
TID (US ft)	Inc (°)	Alt (ft)	TVD (US ft)	VS (US ft)	FL Offset (US ft)	EL Offset (US ft)	MLS (° 100US ft)	Heading (US ft)	Bearing (US ft)	Comment
4929.00	0.36	95.58	4926.95	-64.59	-64.43	22.41	0.23	486104.60	804209.38	
5024.00	0.10	119.79	5021.95	-64.67	-64.50	22.78	0.29	486104.53	804209.75	
5103.00	0.20	158.03	5100.95	-64.83	-64.66	22.89	0.17	486104.37	804209.86	
5303.00	0.88	86.73	5300.94	-65.08	-64.90	24.56	0.42	486104.13	804211.53	
5398.00	0.47	79.86	5395.93	-64.98	-64.79	25.67	0.44	486104.24	804212.64	
5492.00	1.29	48.65	5489.92	-64.22	-64.02	26.84	0.98	486105.01	804213.81	
5586.00	1.53	40.49	5583.89	-62.58	-62.37	28.45	0.33	486106.66	804215.42	
5681.00	1.50	40.61	5678.86	-60.68	-60.46	30.09	0.03	486108.57	804217.06	
5775.00	1.42	32.37	5772.83	-58.77	-58.54	31.51	0.24	486110.49	804218.48	
5869.00	1.68	5.08	5866.80	-56.42	-56.18	32.26	0.82	486112.85	804219.23	
5964.00	1.72	6.50	5961.75	-53.62	-53.38	32.54	0.06	486115.65	804219.51	
6058.00	1.68	7.32	6055.71	-50.86	-50.61	32.88	0.05	486118.42	804219.85	
6153.00	1.82	10.56	6150.67	-48.00	-47.75	33.33	0.18	486121.28	804220.30	
6248.00	1.90	20.77	6245.62	-45.05	-44.79	34.17	0.36	486124.24	804221.14	
6343.00	1.82	17.63	6340.57	-42.14	-41.88	35.18	0.14	486127.15	804222.15	
6437.00	1.74	8.39	6434.52	-39.32	-39.05	35.84	0.32	486129.98	804222.81	
6532.00	1.89	356.10	6529.48	-36.33	-36.06	35.94	0.44	486132.97	804222.91	
6626.00	1.88	357.36	6623.42	-33.24	-32.97	35.77	0.05	486136.06	804222.74	
6721.00	1.82	0.21	6718.38	-30.17	-29.91	35.70	0.12	486139.12	804222.67	
6816.00	1.63	352.93	6813.33	-27.32	-27.06	35.54	0.30	486141.97	804222.51	
6910.00	1.70	355.04	6907.29	-24.60	-24.34	35.26	0.10	486144.69	804222.23	
7004.00	1.39	0.20	7001.26	-22.07	-21.81	35.14	0.36	486147.22	804222.11	
7099.00	1.42	0.15	7096.23	-19.74	-19.48	35.15	0.03	486149.55	804222.12	
7194.00	1.14	3.09	7191.21	-17.62	-17.36	35.20	0.30	486151.67	804222.17	
7289.00	0.66	278.06	7286.20	-16.60	-16.34	34.71	1.33	486152.69	804221.68	
7383.00	0.84	267.63	7380.19	-16.54	-16.29	33.49	0.24	486152.74	804220.46	
7477.00	0.91	261.13	7474.18	-16.68	-16.44	32.06	0.13	486152.59	804219.03	
7572.00	0.84	270.61	7569.17	-16.77	-16.55	30.62	0.17	486152.48	804217.59	
7667.00	0.84	250.17	7664.16	-16.99	-16.77	29.27	0.31	486152.26	804216.24	
7762.00	0.82	250.79	7759.15	-17.44	-17.23	27.97	0.02	486151.80	804214.94	
7856.00	0.97	225.74	7853.14	-18.21	-18.01	26.76	0.44	486151.02	804213.73	
7951.00	0.69	221.22	7948.13	-19.20	-19.00	25.81	0.30	486150.03	804212.78	
8045.00	0.69	221.72	8042.12	-20.04	-19.85	25.06	0.01	486149.18	804212.03	
8139.00	0.51	212.25	8136.11	-20.81	-20.63	24.46	0.22	486148.40	804211.43	
8234.00	0.76	214.65	8231.11	-21.68	-21.50	23.88	0.26	486147.53	804210.85	
8329.00	0.66	212.99	8326.10	-22.65	-22.48	23.22	0.11	486146.55	804210.19	
8423.00	0.38	219.41	8420.10	-23.34	-23.17	22.73	0.30	486145.86	804209.70	
8518.00	0.78	215.48	8515.09	-24.11	-23.94	22.15	0.42	486145.09	804209.12	
8612.00	0.93	219.38	8609.08	-25.21	-25.06	21.30	0.17	486143.97	804208.27	
8706.00	0.53	224.20	8703.07	-26.11	-25.96	20.51	0.43	486143.07	804207.48	
8801.00	0.55	237.58	8798.07	-26.66	-26.52	19.82	0.13	486142.51	804206.79	
8896.00	0.38	318.87	8893.07	-26.67	-26.52	19.23	0.65	486142.51	804206.20	
8991.00	0.50	347.70	8988.06	-26.02	-25.88	18.93	0.26	486143.15	804205.90	
9085.00	0.70	359.54	9082.06	-25.05	-24.91	18.84	0.25	486144.12	804205.81	
9180.00	0.70	345.27	9177.05	-23.90	-23.76	18.69	0.18	486145.27	804205.66	
9370.00	0.77	59.06	9367.04	-22.13	-21.99	19.49	0.47	486147.04	804206.46	
9464.00	1.15	69.49	9461.03	-21.49	-21.33	20.91	0.44	486147.70	804207.88	
9559.00	1.00	101.08	9556.01	-21.32	-21.16	22.62	0.63	486147.87	804209.59	
9653.00	1.35	109.90	9649.99	-21.87	-21.69	24.47	0.42	486147.34	804211.44	
9704.00	1.11	108.60	9700.98	-22.24	-22.05	25.50	0.47	486146.98	804212.47	
9749.00	1.13	107.60	9745.97	-22.52	-22.33	26.34	0.06	486146.70	804213.31	
9796.00	3.18	7.08	9792.95	-21.37	-21.17	26.94	7.58	486147.86	804213.91	
9843.00	7.25	347.72	9839.74	-17.18	-16.98	26.47	9.31	486152.05	804213.44	
9890.00	11.89	349.24	9886.08	-9.51	-9.32	24.93	9.89	486159.71	804211.90	
9938.00	16.09	350.36	9932.64	1.93	2.10	22.89	8.77	486171.13	804209.86	
9969.00	19.63	349.15	9962.14	11.29	11.45	21.19	11.48	486180.48	804208.16	
10033.00	26.37	348.96	10021.02	35.87	35.99	16.44	10.53	486205.02	804203.41	
10080.00	31.51	346.71	10062.14	58.11	58.20	11.62	11.18	486227.23	804198.59	
10128.00	35.99	347.18	10102.04	84.13	84.18	5.60	9.35	486253.21	804192.57	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
ED (US ft)	Inc (°)	AI (°)	TVD (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	DLS (°/100US ft)	Heading (US ft)	LatLong (US ft)	Comment
10175.00	40.92	349.66	10138.84	112.80	112.80	-0.23	10.99	486281.83	804186.74	
10222.00	45.65	350.95	10173.04	144.60	144.56	-5.64	10.24	486313.59	804181.33	
10269.00	51.10	352.40	10204.25	179.39	179.31	-10.70	11.82	486348.34	804176.27	
10316.00	56.12	353.14	10232.13	216.94	216.83	-15.46	10.76	486385.86	804171.51	
10349.00	60.34	352.96	10249.50	244.81	244.68	-18.85	12.80	486413.71	804168.12	
10380.00	65.31	352.16	10263.65	272.17	272.01	-22.43	16.20	486441.04	804164.54	
10411.00	71.62	351.98	10275.03	300.75	300.56	-26.40	20.36	486469.59	804160.57	
10443.00	78.36	352.04	10283.31	331.37	331.15	-30.70	21.06	486500.18	804156.27	
10468.00	83.40	352.19	10287.27	355.84	355.59	-34.08	20.17	486524.62	804152.89	
10499.00	86.36	352.54	10290.04	386.47	386.19	-38.18	9.61	486555.22	804148.79	
10531.00	86.92	352.80	10291.91	418.18	417.87	-42.26	1.93	486586.90	804144.71	
10625.00	88.39	354.27	10295.76	511.58	511.19	-52.83	2.21	486680.22	804134.14	
10720.00	88.39	354.22	10298.43	606.13	605.68	-62.36	0.05	486774.71	804124.61	
10814.00	89.79	355.70	10299.92	699.81	699.30	-70.61	2.17	486868.33	804116.36	
10909.00	90.28	357.19	10299.86	794.66	794.11	-76.50	1.65	486963.14	804110.47	
11004.00	89.58	358.48	10299.98	889.62	889.04	-80.09	1.54	487058.07	804106.88	
11099.00	89.65	359.65	10300.62	984.61	984.02	-81.64	1.23	487153.05	804105.33	
11193.00	90.00	0.53	10300.90	1078.60	1078.02	-81.49	1.01	487247.05	804105.48	
11288.00	89.79	0.80	10301.08	1173.59	1173.02	-80.39	0.36	487342.05	804106.58	
11381.00	89.23	0.50	10301.87	1266.57	1266.01	-79.34	0.68	487435.04	804107.63	
11476.00	89.02	1.06	10303.32	1361.53	1360.99	-78.04	0.63	487530.02	804108.93	
11570.00	90.07	0.46	10304.07	1455.51	1454.97	-76.80	1.29	487624.00	804110.17	
11666.00	90.14	0.65	10303.89	1551.49	1550.97	-75.87	0.21	487720.00	804111.10	
11761.00	90.00	1.00	10303.78	1646.47	1645.96	-74.50	0.40	487814.99	804112.47	
11854.00	89.51	1.67	10304.18	1739.43	1738.93	-72.33	0.89	487907.96	804114.64	
11949.00	89.23	2.28	10305.22	1834.34	1833.87	-69.06	0.71	488002.90	804117.91	
12044.00	89.09	2.71	10306.61	1929.20	1928.77	-64.92	0.48	488097.80	804122.05	
12138.00	89.65	3.27	10307.65	2023.03	2022.63	-60.02	0.84	488191.66	804126.95	
12233.00	89.37	3.10	10308.46	2117.83	2117.48	-54.74	0.34	488286.51	804132.23	
12328.00	88.60	2.63	10310.14	2212.66	2212.35	-49.99	0.95	488381.38	804136.98	
12422.00	89.72	1.42	10311.52	2306.56	2306.28	-46.67	1.75	488475.31	804140.30	
12517.00	88.95	359.44	10312.62	2401.54	2401.26	-45.96	2.24	488570.29	804141.01	
12611.00	88.95	358.79	10314.35	2495.52	2495.23	-47.41	0.69	488664.26	804139.56	
12706.00	88.46	358.64	10316.49	2590.49	2590.19	-49.54	0.54	488759.22	804137.43	
12800.00	87.48	358.29	10319.82	2684.41	2684.09	-52.06	1.11	488853.12	804134.91	
12895.00	88.25	358.17	10323.36	2779.31	2778.98	-54.99	0.82	488948.01	804131.98	
12990.00	90.49	359.68	10324.41	2874.29	2873.95	-56.77	2.84	489042.98	804130.20	
13084.00	90.56	359.07	10323.54	2968.29	2967.94	-57.80	0.65	489136.97	804129.17	
13179.00	90.70	358.87	10322.50	3063.28	3062.92	-59.50	0.26	489231.95	804127.47	
13274.00	91.26	358.91	10320.87	3158.26	3157.89	-61.34	0.59	489326.92	804125.63	
13368.00	91.47	0.09	10318.64	3252.23	3251.85	-62.16	1.27	489420.88	804124.81	
13462.00	90.56	359.90	10316.97	3346.21	3345.84	-62.17	0.99	489514.87	804124.80	
13557.00	90.49	0.13	10316.10	3441.20	3440.83	-62.15	0.25	489609.86	804124.82	
13652.00	90.56	0.58	10315.23	3536.19	3535.83	-61.56	0.48	489704.86	804125.41	
13746.00	89.51	0.41	10315.17	3630.18	3629.82	-60.75	1.13	489798.85	804126.22	
13839.00	89.16	0.59	10316.25	3723.16	3722.81	-59.94	0.42	489891.84	804127.03	
13934.00	88.74	359.81	10317.99	3818.14	3817.80	-59.60	0.93	489986.83	804127.37	
14028.00	88.88	358.93	10319.94	3912.11	3911.77	-60.64	0.95	490080.80	804126.33	
14123.00	89.02	358.45	10321.69	4007.09	4006.73	-62.81	0.53	490175.76	804124.16	
14217.00	89.93	357.86	10322.55	4101.05	4100.67	-65.84	1.15	490269.70	804121.13	
14312.00	89.72	357.97	10322.84	4196.01	4195.61	-69.29	0.25	490364.64	804117.68	
14406.00	89.93	358.30	10323.12	4289.98	4289.56	-72.35	0.42	490458.59	804114.62	
14501.00	89.58	357.96	10323.53	4384.95	4384.51	-75.45	0.51	490553.54	804111.52	
14595.00	89.51	358.36	10324.28	4478.92	4478.46	-78.47	0.43	490647.49	804108.50	
14690.00	89.09	358.51	10325.44	4573.89	4573.41	-81.06	0.47	490742.44	804105.91	
14785.00	89.93	359.64	10326.25	4668.88	4668.40	-82.60	1.48	490837.43	804104.37	
14879.00	90.14	359.78	10326.19	4762.88	4762.39	-83.07	0.27	490931.42	804103.90	
14972.00	89.79	359.96	10326.25	4855.88	4855.39	-83.28	0.42	491024.42	804103.69	
15067.00	90.49	0.54	10326.02	4950.87	4950.39	-82.87	0.96	491119.42	804104.10	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
ID (US ft)	Inc (°)	Ap (°)	TVD (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	CLS (± 1000US ft)	Northing (US ft)	Easting (US ft)	Comment
15162.00	90.91	0.99	10324.86	5045.85	5045.38	-81.60	0.65	491214.41	804105.37	
15257.00	90.70	1.02	10323.52	5140.81	5140.35	-79.93	0.22	491309.38	804107.04	
15352.00	90.49	1.09	10322.54	5235.77	5235.33	-78.19	0.23	491404.36	804108.78	
15447.00	90.35	0.97	10321.84	5330.74	5330.31	-76.48	0.19	491499.34	804110.49	
15541.00	90.28	1.05	10321.32	5424.71	5424.30	-74.82	0.11	491593.33	804112.15	
15636.00	90.35	0.19	10320.80	5519.69	5519.29	-73.79	0.91	491688.32	804113.18	
15731.00	90.07	359.23	10320.45	5614.68	5614.29	-74.27	1.05	491783.32	804112.70	
15826.00	89.02	358.40	10321.21	5709.67	5709.26	-76.24	1.41	491878.29	804110.73	
15921.00	90.84	357.78	10321.32	5804.64	5804.20	-79.40	2.02	491973.23	804107.57	
16016.00	91.40	357.94	10319.46	5899.57	5899.12	-82.95	0.61	492068.15	804104.02	
16111.00	91.89	357.73	10316.74	5994.49	5994.01	-86.54	0.56	492163.04	804100.43	
16205.00	91.54	358.39	10313.92	6088.42	6087.91	-89.72	0.79	492256.94	804097.25	
16300.00	90.14	359.18	10312.53	6183.39	6182.88	-91.73	1.69	492351.91	804095.24	
16394.00	90.21	359.83	10312.24	6277.39	6276.87	-92.55	0.70	492445.90	804094.42	
16489.00	89.09	358.96	10312.83	6372.39	6371.87	-93.55	1.49	492540.90	804093.42	
16584.00	88.46	359.03	10314.86	6467.36	6466.83	-95.21	0.67	492635.86	804091.76	
16679.00	88.04	358.97	10317.76	6562.31	6561.77	-96.87	0.45	492730.80	804090.10	
16773.00	89.23	359.03	10320.00	6656.28	6655.73	-98.51	1.27	492824.76	804088.46	
16868.00	89.51	359.17	10321.04	6751.27	6750.71	-100.00	0.33	492919.74	804086.97	
16963.00	89.65	359.74	10321.74	6846.27	6845.70	-100.91	0.62	493014.73	804086.06	
17058.00	88.53	359.54	10323.25	6941.25	6940.69	-101.50	1.20	493109.72	804085.47	
17152.00	89.16	359.89	10325.14	7035.23	7034.67	-101.97	0.77	493203.70	804085.00	
17247.00	90.14	0.50	10325.72	7130.22	7129.66	-101.65	1.22	493298.69	804085.32	
17341.00	91.47	1.19	10324.40	7224.19	7223.64	-100.26	1.59	493392.67	804086.71	
17436.00	91.40	1.27	10322.02	7319.12	7318.59	-98.22	0.11	493487.62	804088.75	
17531.00	92.52	1.95	10318.77	7414.00	7413.49	-95.56	1.38	493582.52	804091.41	
17626.00	92.45	1.95	10314.65	7508.83	7508.35	-92.33	0.07	493677.38	804094.64	
17709.00	92.24	2.21	10311.26	7591.68	7591.22	-89.32	0.40	493760.25	804097.65	Last WFT MWD Svy
17772.00	92.24	2.21	10308.79	7654.57	7654.13	-86.89	0.00	493823.16	804100.08	Proj to TD