

1/23/2019

WPX Energy

Dalmatian 3-2-23-27 Fee 411H - Plan #3

30-015-45690

NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 06 2019

RECEIVED

Eddy County, New Mexico (NAD 83)

Dalmatian/Shepherd 3-2-23-27 Fee Pad

Your Ref:

1/23/2019

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Grid X	Grid Y	SSTVD
0	0	0	0	0	0	0	0	0 587845.3	485066.3	-3138
100	0	0	100	0	0	0	0	0 587845.3	485066.3	-3038
200	0	0	200	0	0	0	0	0 587845.3	485066.3	-2938
300	0	0	300	0	0	0	0	0 587845.3	485066.3	-2838
400	0	0	400	0	0	0	0	0 587845.3	485066.3	-2738
500	0	0	500	0	0	0	0	0 587845.3	485066.3	-2638
600	0	0	600	0	0	0	0	0 587845.3	485066.3	-2538
700	0	0	700	0	0	0	0	0 587845.3	485066.3	-2438
800	0	0	800	0	0	0	0	0 587845.3	485066.3	-2338
900	0	0	900	0	0	0	0	0 587845.3	485066.3	-2238
1000	0	0	1000	0	0	0	0	0 587845.3	485066.3	-2138
1100	0	0	1100	0	0	0	0	0 587845.3	485066.3	-2038
1200	0	0	1200	0	0	0	0	0 587845.3	485066.3	-1938
1300	0	0	1300	0	0	0	0	0 587845.3	485066.3	-1838
1400	0	0	1400	0	0	0	0	0 587845.3	485066.3	-1738
1500	0	0	1500	0	0	0	0	0 587845.3	485066.3	-1638
1600	0	0	1600	0	0	0	0	0 587845.3	485066.3	-1538

1700	0	0	1700	0	0	0	0	587845.3	485066.3	-1438
1800	0	0	1800	0	0	0	0	587845.3	485066.3	-1338
1900	0	0	1900	0	0	0	0	587845.3	485066.3	-1238
2000	0	0	2000	0	0	0	0	587845.3	485066.3	-1138
2100	0	0	2100	0	0	0	0	587845.3	485066.3	-1038
2200	0	0	2200	0	0	0	0	587845.3	485066.3	-938
2210	0	0	2210	0	0	0	0	587845.3	485066.3	-928
2300	1.8	242.692	2299.99	-0.65	-1.26	-1.26	2	587844	485065.7	-838.01
2400	3.8	242.692	2399.86	-2.89	-5.6	-5.61	2	587839.7	485063.4	-738.14
2500	5.8	242.692	2499.5	-6.73	-13.03	-13.07	2	587832.3	485059.6	-638.5
2600	7.8	242.692	2598.8	-12.16	-23.55	-23.63	2	587821.8	485054.1	-539.2
2700	9.8	242.692	2697.61	-19.18	-37.14	-37.27	2	587808.2	485047.1	-440.39
2800	11.8	242.692	2795.84	-27.77	-53.79	-53.97	2	587791.5	485038.5	-342.16
2854.92	12.898	242.692	2849.49	-33.16	-64.23	-64.44	2	587781.1	485033.1	-288.51
2900	12.898	242.692	2893.43	-37.78	-73.17	-73.41	0	587772.1	485028.5	-244.57
3000	12.898	242.692	2990.91	-48.02	-93.01	-93.31	0	587752.3	485018.3	-147.09
3100	12.898	242.692	3088.38	-58.26	-112.84	-113.21	0	587732.5	485008	-49.62
3200	12.898	242.692	3185.86	-68.5	-132.68	-133.11	0	587712.6	484997.8	47.86
3300	12.898	242.692	3283.34	-78.74	-152.51	-153.01	0	587692.8	484987.6	145.34
3400	12.898	242.692	3380.81	-88.98	-172.34	-172.91	0	587673	484977.3	242.81
3500	12.898	242.692	3478.29	-99.22	-192.18	-192.81	0	587653.1	484967.1	340.29
3600	12.898	242.692	3575.77	-109.46	-212.01	-212.71	0	587633.3	484956.8	437.77
3700	12.898	242.692	3673.24	-119.7	-231.85	-232.61	0	587613.5	484946.6	535.24
3800	12.898	242.692	3770.72	-129.95	-251.68	-252.51	0	587593.6	484936.4	632.72
3900	12.898	242.692	3868.2	-140.19	-271.52	-272.41	0	587573.8	484926.1	730.2
4000	12.898	242.692	3965.67	-150.43	-291.35	-292.31	0	587554	484915.9	827.67
4100	12.898	242.692	4063.15	-160.67	-311.19	-312.21	0	587534.1	484905.6	925.15
4200	12.898	242.692	4160.63	-170.91	-331.02	-332.11	0	587514.3	484895.4	1022.63
4300	12.898	242.692	4258.1	-181.15	-350.86	-352.01	0	587494.4	484885.2	1120.1
4400	12.898	242.692	4355.58	-191.39	-370.69	-371.91	0	587474.6	484874.9	1217.58
4500	12.898	242.692	4453.06	-201.63	-390.53	-391.81	0	587454.8	484864.7	1315.06
4600	12.898	242.692	4550.53	-211.87	-410.36	-411.71	0	587434.9	484854.4	1412.53
4700	12.898	242.692	4648.01	-222.11	-430.2	-431.61	0	587415.1	484844.2	1510.01
4800	12.898	242.692	4745.49	-232.35	-450.03	-451.51	0	587395.3	484834	1607.49

4900	12.898	242.692	4842.96	-242.59	-469.86	-471.41	0	587375.4	484823.7	1704.96
5000	12.898	242.692	4940.44	-252.83	-489.7	-491.31	0	587355.6	484813.5	1802.44
5100	12.898	242.692	5037.92	-263.08	-509.53	-511.21	0	587335.8	484803.2	1899.92
5200	12.898	242.692	5135.39	-273.32	-529.37	-531.11	0	587315.9	484793	1997.39
5300	12.898	242.692	5232.87	-283.56	-549.2	-551.01	0	587296.1	484782.7	2094.87
5400	12.898	242.692	5330.35	-293.8	-569.04	-570.91	0	587276.3	484772.5	2192.35
5500	12.898	242.692	5427.82	-304.04	-588.87	-590.81	0	587256.4	484762.3	2289.82
5600	12.898	242.692	5525.3	-314.28	-608.71	-610.71	0	587236.6	484752	2387.3
5700	12.898	242.692	5622.78	-324.52	-628.54	-630.61	0	587216.8	484741.8	2484.78
5800	12.898	242.692	5720.25	-334.76	-648.38	-650.51	0	587196.9	484731.5	2582.25
5900	12.898	242.692	5817.73	-345	-668.21	-670.41	0	587177.1	484721.3	2679.73
6000	12.898	242.692	5915.21	-355.24	-688.05	-690.31	0	587157.3	484711.1	2777.21
6100	12.898	242.692	6012.68	-365.48	-707.88	-710.21	0	587137.4	484700.8	2874.68
6200	12.898	242.692	6110.16	-375.72	-727.72	-730.11	0	587117.6	484690.6	2972.16
6300	12.898	242.692	6207.64	-385.96	-747.55	-750	0	587097.8	484680.3	3069.64
6400	12.898	242.692	6305.11	-396.2	-767.38	-769.9	0	587077.9	484670.1	3167.11
6500	12.898	242.692	6402.59	-406.45	-787.22	-789.8	0	587058.1	484659.9	3264.59
6600	12.898	242.692	6500.07	-416.69	-807.05	-809.7	0	587038.3	484649.6	3362.07
6700	12.898	242.692	6597.54	-426.93	-826.89	-829.6	0	587018.4	484639.4	3459.54
6800	12.898	242.692	6695.02	-437.17	-846.72	-849.5	0	586998.6	484629.1	3557.02
6900	12.898	242.692	6792.5	-447.41	-866.56	-869.4	0	586978.7	484618.9	3654.5
7000	12.898	242.692	6889.98	-457.65	-886.39	-889.3	0	586958.9	484608.7	3751.98
7100	12.898	242.692	6987.45	-467.89	-906.23	-909.2	0	586939.1	484598.4	3849.45
7200	12.898	242.692	7084.93	-478.13	-926.06	-929.1	0	586919.2	484588.2	3946.93
7300	12.898	242.692	7182.41	-488.37	-945.9	-949	0	586899.4	484577.9	4044.41
7400	12.898	242.692	7279.88	-498.61	-965.73	-968.9	0	586879.6	484567.7	4141.88
7500	12.898	242.692	7377.36	-508.85	-985.57	-988.8	0	586859.7	484557.5	4239.36
7600	12.898	242.692	7474.84	-519.09	-1005.4	-1008.7	0	586839.9	484547.2	4336.84
7700	12.898	242.692	7572.31	-529.33	-1025.23	-1028.6	0	586820.1	484537	4434.31
7800	12.898	242.692	7669.79	-539.57	-1045.07	-1048.5	0	586800.2	484526.7	4531.79
7900	12.898	242.692	7767.27	-549.82	-1064.9	-1068.4	0	586780.4	484516.5	4629.27
8000	12.898	242.692	7864.74	-560.06	-1084.74	-1088.3	0	586760.6	484506.2	4726.74
8020.32	12.898	242.692	7884.55	-562.14	-1088.77	-1092.35	0	586756.5	484504.2	4746.55
8100	11.305	242.692	7962.46	-569.8	-1103.61	-1107.24	2	586741.7	484496.5	4824.46

8200	9.305	242.692	8060.84	-578.01	-1119.51	-1123.18	2	586725.8	484488.3	4922.84
8300	7.305	242.692	8159.78	-584.63	-1132.34	-1136.06	2	586713	484481.7	5021.78
8400	5.305	242.692	8259.18	-589.67	-1142.1	-1145.85	2	586703.2	484476.6	5121.18
8500	3.305	242.692	8358.89	-593.11	-1148.77	-1152.54	2	586696.5	484473.2	5220.89
8600	1.305	242.692	8458.8	-594.96	-1152.34	-1156.12	2	586693	484471.3	5320.8
8665.24	0	0	8524.04	-595.3	-1153	-1156.79	2	586692.3	484471	5386.04
8700	3.476	89.637	8558.77	-595.29	-1151.95	-1155.73	10	586693.4	484471	5420.77
8750	8.476	89.637	8608.49	-595.26	-1146.74	-1150.53	10	586698.6	484471	5470.49
8800	13.476	89.637	8657.56	-595.2	-1137.23	-1141.01	10	586708.1	484471.1	5519.56
8850	18.476	89.637	8705.61	-595.11	-1123.47	-1127.26	10	586721.8	484471.2	5567.61
8900	23.476	89.637	8752.28	-595	-1105.58	-1109.36	10	586739.7	484471.3	5614.28
8950	28.476	89.637	8797.22	-594.86	-1083.68	-1087.47	10	586761.6	484471.4	5659.22
9000	33.476	89.637	8840.07	-594.7	-1057.96	-1061.75	10	586787.3	484471.6	5702.07
9050	38.476	89.637	8880.52	-594.51	-1028.6	-1032.38	10	586816.7	484471.8	5742.52
9100	43.476	89.637	8918.26	-594.3	-995.82	-999.61	10	586849.5	484472	5780.26
9150	48.476	89.637	8953	-594.07	-959.88	-963.67	10	586885.4	484472.2	5815
9200	53.476	89.637	8984.47	-593.83	-921.05	-924.83	10	586924.3	484472.5	5846.47
9250	58.476	89.637	9012.44	-593.57	-879.63	-883.41	10	586965.7	484472.7	5874.44
9300	63.476	89.637	9036.69	-593.29	-835.92	-839.7	10	587009.4	484473	5898.69
9350	68.476	89.637	9057.04	-593	-790.27	-794.05	10	587055	484473.3	5919.04
9400	73.476	89.637	9073.33	-592.7	-743.01	-746.79	10	587102.3	484473.6	5935.33
9450	78.476	89.637	9085.45	-592.39	-694.52	-698.3	10	587150.8	484473.9	5947.45
9500	83.476	89.637	9093.29	-592.08	-645.16	-648.93	10	587200.1	484474.2	5955.29
9550	88.476	89.637	9096.8	-591.76	-595.3	-599.07	10	587250	484474.5	5958.8
9565.24	90	89.637	9097	-591.67	-580.05	-583.83	10	587265.3	484474.6	5959
9600	90	89.637	9097	-591.44	-545.3	-549.07	0	587300	484474.9	5959
9700	90	89.637	9097	-590.81	-445.3	-449.07	0	587400	484475.5	5959
9800	90	89.637	9097	-590.18	-345.3	-349.07	0	587500	484476.1	5959
9900	90	89.637	9097	-589.54	-245.3	-249.07	0	587600	484476.8	5959
10000	90	89.637	9097	-588.91	-145.31	-149.07	0	587700	484477.4	5959
10100	90	89.637	9097	-588.27	-45.31	-49.07	0	587800	484478	5959
10200	90	89.637	9097	-587.64	54.69	50.93	0	587900	484478.7	5959
10300	90	89.637	9097	-587	154.69	150.93	0	588000	484479.3	5959
10400	90	89.637	9097	-586.37	254.69	250.93	0	588100	484479.9	5959

10500	90	89.637	9097	-585.74	354.68	350.93	0	588200	484480.6	5959
10600	90	89.637	9097	-585.1	454.68	450.93	0	588300	484481.2	5959
10700	90	89.637	9097	-584.47	554.68	550.93	0	588400	484481.8	5959
10800	90	89.637	9097	-583.83	654.68	650.93	0	588500	484482.5	5959
10900	90	89.637	9097	-583.2	754.68	750.93	0	588600	484483.1	5959
11000	90	89.637	9097	-582.56	854.67	850.93	0	588700	484483.7	5959
11100	90	89.637	9097	-581.93	954.67	950.93	0	588800	484484.4	5959
11200	90	89.637	9097	-581.3	1054.67	1050.93	0	588900	484485	5959
11300	90	89.637	9097	-580.66	1154.67	1150.93	0	589000	484485.6	5959
11400	90	89.637	9097	-580.03	1254.67	1250.93	0	589100	484486.3	5959
11500	90	89.637	9097	-579.39	1354.66	1350.93	0	589200	484486.9	5959
11600	90	89.637	9097	-578.76	1454.66	1450.93	0	589300	484487.5	5959
11700	90	89.637	9097	-578.12	1554.66	1550.93	0	589400	484488.2	5959
11800	90	89.637	9097	-577.49	1654.66	1650.93	0	589500	484488.8	5959
11900	90	89.637	9097	-576.86	1754.66	1750.93	0	589600	484489.4	5959
12000	90	89.637	9097	-576.22	1854.65	1850.93	0	589700	484490.1	5959
12100	90	89.637	9097	-575.59	1954.65	1950.93	0	589800	484490.7	5959
12200	90	89.637	9097	-574.95	2054.65	2050.93	0	589900	484491.4	5959
12300	90	89.637	9097	-574.32	2154.65	2150.93	0	590000	484492	5959
12400	90	89.637	9097	-573.68	2254.65	2250.93	0	590100	484492.6	5959
12500	90	89.637	9097	-573.05	2354.64	2350.93	0	590199.9	484493.3	5959
12600	90	89.637	9097	-572.41	2454.64	2450.93	0	590299.9	484493.9	5959
12700	90	89.637	9097	-571.78	2554.64	2550.93	0	590399.9	484494.5	5959
12800	90	89.637	9097	-571.15	2654.64	2650.93	0	590499.9	484495.2	5959
12900	90	89.637	9097	-570.51	2754.64	2750.93	0	590599.9	484495.8	5959
13000	90	89.637	9097	-569.88	2854.63	2850.93	0	590699.9	484496.4	5959
13100	90	89.637	9097	-569.24	2954.63	2950.93	0	590799.9	484497.1	5959
13200	90	89.637	9097	-568.61	3054.63	3050.93	0	590899.9	484497.7	5959
13300	90	89.637	9097	-567.97	3154.63	3150.93	0	590999.9	484498.3	5959
13400	90	89.637	9097	-567.34	3254.63	3250.93	0	591099.9	484499	5959
13500	90	89.637	9097	-566.71	3354.62	3350.93	0	591199.9	484499.6	5959
13600	90	89.637	9097	-566.07	3454.62	3450.93	0	591299.9	484500.2	5959
13700	90	89.637	9097	-565.44	3554.62	3550.93	0	591399.9	484500.9	5959
13800	90	89.637	9097	-564.8	3654.62	3650.93	0	591499.9	484501.5	5959

13900	90	89.637	9097	-564.17	3754.62	3750.93	0	591599.9	484502.1	5959
14000	90	89.637	9097	-563.53	3854.61	3850.93	0	591699.9	484502.8	5959
14100	90	89.637	9097	-562.9	3954.61	3950.93	0	591799.9	484503.4	5959
14200	90	89.637	9097	-562.27	4054.61	4050.93	0	591899.9	484504	5959
14300	90	89.637	9097	-561.63	4154.61	4150.93	0	591999.9	484504.7	5959
14400	90	89.637	9097	-561	4254.61	4250.93	0	592099.9	484505.3	5959
14500	90	89.637	9097	-560.36	4354.6	4350.93	0	592199.9	484505.9	5959
14600	90	89.637	9097	-559.73	4454.6	4450.93	0	592299.9	484506.6	5959
14700	90	89.637	9097	-559.09	4554.6	4550.93	0	592399.9	484507.2	5959
14800	90	89.637	9097	-558.46	4654.6	4650.93	0	592499.9	484507.8	5959
14900	90	89.637	9097	-557.82	4754.6	4750.93	0	592599.9	484508.5	5959
15000	90	89.637	9097	-557.19	4854.59	4850.93	0	592699.9	484509.1	5959
15100	90	89.637	9097	-556.56	4954.59	4950.93	0	592799.9	484509.7	5959
15200	90	89.637	9097	-555.92	5054.59	5050.93	0	592899.9	484510.4	5959
15300	90	89.637	9097	-555.29	5154.59	5150.93	0	592999.9	484511	5959
15400	90	89.637	9097	-554.65	5254.59	5250.93	0	593099.9	484511.7	5959
15500	90	89.637	9097	-554.02	5354.58	5350.93	0	593199.9	484512.3	5959
15600	90	89.637	9097	-553.38	5454.58	5450.93	0	593299.9	484512.9	5959
15700	90	89.637	9097	-552.75	5554.58	5550.93	0	593399.9	484513.6	5959
15800	90	89.637	9097	-552.12	5654.58	5650.93	0	593499.9	484514.2	5959
15900	90	89.637	9097	-551.48	5754.58	5750.93	0	593599.9	484514.8	5959
16000	90	89.637	9097	-550.85	5854.57	5850.93	0	593699.9	484515.5	5959
16100	90	89.637	9097	-550.21	5954.57	5950.93	0	593799.9	484516.1	5959
16200	90	89.637	9097	-549.58	6054.57	6050.93	0	593899.9	484516.7	5959
16300	90	89.637	9097	-548.94	6154.57	6150.93	0	593999.9	484517.4	5959
16400	90	89.637	9097	-548.31	6254.56	6250.93	0	594099.9	484518	5959
16500	90	89.637	9097	-547.68	6354.56	6350.93	0	594199.9	484518.6	5959
16600	90	89.637	9097	-547.04	6454.56	6450.93	0	594299.9	484519.3	5959
16700	90	89.637	9097	-546.41	6554.56	6550.93	0	594399.9	484519.9	5959
16800	90	89.637	9097	-545.77	6654.56	6650.93	0	594499.9	484520.5	5959
16900	90	89.637	9097	-545.14	6754.55	6750.93	0	594599.9	484521.2	5959
17000	90	89.637	9097	-544.5	6854.55	6850.93	0	594699.9	484521.8	5959
17100	90	89.637	9097	-543.87	6954.55	6950.93	0	594799.9	484522.4	5959
17200	90	89.637	9097	-543.23	7054.55	7050.93	0	594899.9	484523.1	5959

17300	90	89.637	9097	-542.6	7154.55	7150.93	0	594999.9	484523.7	5959
17400	90	89.637	9097	-541.97	7254.54	7250.93	0	595099.8	484524.3	5959
17500	90	89.637	9097	-541.33	7354.54	7350.93	0	595199.8	484525	5959
17600	90	89.637	9097	-540.7	7454.54	7450.93	0	595299.8	484525.6	5959
17700	90	89.637	9097	-540.06	7554.54	7550.93	0	595399.8	484526.2	5959
17800	90	89.637	9097	-539.43	7654.54	7650.93	0	595499.8	484526.9	5959
17900	90	89.637	9097	-538.79	7754.53	7750.93	0	595599.8	484527.5	5959
18000	90	89.637	9097	-538.16	7854.53	7850.93	0	595699.8	484528.1	5959
18100	90	89.637	9097	-537.53	7954.53	7950.93	0	595799.8	484528.8	5959
18200	90	89.637	9097	-536.89	8054.53	8050.93	0	595899.8	484529.4	5959
18300	90	89.637	9097	-536.26	8154.53	8150.93	0	595999.8	484530	5959
18400	90	89.637	9097	-535.62	8254.52	8250.93	0	596099.8	484530.7	5959
18500	90	89.637	9097	-534.99	8354.52	8350.93	0	596199.8	484531.3	5959
18600	90	89.637	9097	-534.35	8454.52	8450.93	0	596299.8	484532	5959
18700	90	89.637	9097	-533.72	8554.52	8550.93	0	596399.8	484532.6	5959
18800	90	89.637	9097	-533.09	8654.52	8650.93	0	596499.8	484533.2	5959
18900	90	89.637	9097	-532.45	8754.51	8750.93	0	596599.8	484533.9	5959
19000	90	89.637	9097	-531.82	8854.51	8850.93	0	596699.8	484534.5	5959
19100	90	89.637	9097	-531.18	8954.51	8950.93	0	596799.8	484535.1	5959
19200	90	89.637	9097	-530.55	9054.51	9050.93	0	596899.8	484535.8	5959
19300	90	89.637	9097	-529.91	9154.51	9150.93	0	596999.8	484536.4	5959
19349.39	90	89.637	9097	-529.6	9203.9	9200.32	0	597049.2	484536.7	5959

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.

Vertical depths are relative to GL 3112 + KB 26 =. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from Slot and calculated along an Azimuth of 89.633° (Grid).

Coordinate System is North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone.

Central meridian is -104.333°.

Grid Convergence at Surface is 0.081°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 19349.39ft., the Bottom Hole Displacement is 9219.12ft., in the Direction of 89.633° (Grid).