

Company Information

CAZA

MAD RIVER 13 STATE 7H

MAD RIVER 13 STATE 7H

MAD RIVER 13 STATE 7H

**NM OIL CONSERVATION
ARTESIA DISTRICT**

30-015-44932

APR 30 2018

RECEIVED

Well Information

Surface Location

X = 602358.10'

Y = 442592.70'

K.B. = 3113.00'

Declination Corr.

= 6.89 TO GRID

Reference North is Grid North

Grid Convergence is 0.105 degrees East

Map System : North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone

MD (ft)	Incl.	Azim.	SSDepth (ft)	TVD (ft)	Northings (ft)	Eastings (ft)	GridNorth (ft)	GridEast (ft)	VS (ft)	DLS (-/100ft)
0	0	0	-3113	0	0	0	442592.7	602358.1	0	0
7299.99	0	0	4186.99	7299.99	0	0	442592.7	602358.1	0	0 UNDEFINED (1)
7399.99	2	90	4286.96	7399.96	0	1.74	442592.7	602359.8	-1.74	2
7499.98	4	90	4386.82	7499.82	0	6.98	442592.7	602365.1	-6.98	2
7599.98	4	90	4486.58	7599.58	0	13.95	442592.7	602372.1	-13.95	0
7699.98	4	90	4586.34	7699.34	0	20.93	442592.7	602379	-20.93	0
7799.98	4	90	4686.09	7799.09	0	27.9	442592.7	602386	-27.9	0
7899.98	4	90	4785.85	7898.85	0	34.88	442592.7	602393	-34.88	0
7999.98	4	90	4885.6	7998.6	0	41.86	442592.7	602400	-41.86	0
8099.98	4	90	4985.36	8098.36	0	48.83	442592.7	602406.9	-48.83	0

8199.98	4	90	5085.12	8198.12	0	55.81	442592.7	602413.9	-55.81	0
8299.98	4	90	5184.87	8297.87	0	62.78	442592.7	602420.9	-62.78	0
8399.98	4	90	5284.63	8397.63	0	69.76	442592.7	602427.9	-69.76	0
8499.98	4	90	5384.38	8497.38	0	76.73	442592.7	602434.8	-76.73	0
8599.98	4	90	5484.14	8597.14	0	83.71	442592.7	602441.8	-83.71	0
8699.98	4	90	5583.9	8696.9	0	90.69	442592.7	602448.8	-90.68	0
8799.98	4	90	5683.65	8796.65	0	97.66	442592.7	602455.8	-97.66	0
8899.98	4	90	5783.41	8896.41	0	104.64	442592.7	602462.7	-104.64	0
8999.98	4	90	5883.17	8996.17	0	111.61	442592.7	602469.7	-111.61	0
9099.98	4	90	5982.92	9095.92	0	118.59	442592.7	602476.7	-118.59	0
9199.98	4	90	6082.68	9195.68	0	125.56	442592.7	602483.7	-125.56	0
9299.98	4	90	6182.43	9295.43	0	132.54	442592.7	602490.6	-132.54	0
9399.98	4	90	6282.19	9395.19	0	139.51	442592.7	602497.6	-139.51	0
9499.98	4	90	6381.95	9494.95	0	146.49	442592.7	602504.6	-146.49	0
9599.98	1.334	90.1	6481.83	9594.83	0	151.14	442592.7	602509.2	-151.14	2.67
9699.98	1.333	269.8	6581.82	9694.82	-0.01	151.14	442592.7	602509.2	-151.14	2.67
9799.98	3.999	269.9	6681.7	9794.7	-0.02	146.49	442592.7	602504.6	-146.49	2.67
9899.98	13.998	269.9	6780.35	9893.35	-0.05	130.87	442592.7	602489	-130.87	10
9999.98	23.998	269.9	6874.78	9987.78	-0.1	98.36	442592.6	602456.5	-98.36	10
10099.98	33.998	269.9	6962.13	10075.13	-0.19	49.94	442592.5	602408	-49.94	10
10199.98	43.998	269.9	7039.75	10152.75	-0.3	-12.9	442592.4	602345.2	12.91	10
10299.98	53.998	269.9	7105.28	10218.28	-0.43	-88.28	442592.3	602269.8	88.28	10
10399.98	63.998	269.9	7156.72	10269.72	-0.58	-173.88	442592.1	602184.2	173.88	10
10499.98	73.998	269.9	7192.51	10305.51	-0.74	-267.12	442592	602091	267.12	10
10599.98	83.998	269.9	7211.57	10324.57	-0.91	-365.16	442591.8	601992.9	365.16	10
10699.98	91.648	269.9	7215.37	10328.37	-1.09	-465.01	442591.6	601893.1	465.01	7.65
10799.98	91.65	269.9	7212.49	10325.49	-1.26	-564.97	442591.4	601793.1	564.97	0
10899.98	91.65	269.9	7209.61	10322.61	-1.43	-664.93	442591.3	601693.2	664.93	0
10999.98	91.65	269.9	7206.73	10319.73	-1.61	-764.89	442591.1	601593.2	764.89	0
11099.98	91.65	269.9	7203.85	10316.85	-1.78	-864.84	442590.9	601493.3	864.85	0
11199.98	91.65	269.9	7200.97	10313.97	-1.96	-964.8	442590.7	601393.3	964.8	0
11299.98	91.65	269.9	7198.09	10311.09	-2.13	-1064.76	442590.6	601293.3	1064.76	0
11399.98	91.65	269.9	7195.21	10308.21	-2.31	-1164.72	442590.4	601193.4	1164.72	0
11499.98	91.65	269.9	7192.33	10305.33	-2.48	-1264.68	442590.2	601093.4	1264.68	0

11599.98	91.65	269.9	7189.45	10302.45	-2.66	-1364.64	442590	600993.5	1364.64	0
11699.98	91.65	269.9	7186.57	10299.57	-2.83	-1464.59	442589.9	600893.5	1464.6	0
11799.98	91.65	269.9	7183.69	10296.69	-3	-1564.55	442589.7	600793.5	1564.55	0
11899.98	91.65	269.9	7180.81	10293.81	-3.18	-1664.51	442589.5	600693.6	1664.51	0
11999.98	91.65	269.9	7177.93	10290.93	-3.35	-1764.47	442589.3	600593.6	1764.47	0
12099.98	91.65	269.9	7175.06	10288.06	-3.53	-1864.43	442589.2	600493.7	1864.43	0
12199.98	91.65	269.9	7172.18	10285.18	-3.7	-1964.38	442589	600393.7	1964.39	0
12299.98	91.65	269.9	7169.3	10282.3	-3.88	-2064.34	442588.8	600293.8	2064.35	0
12399.98	91.65	269.9	7166.42	10279.42	-4.05	-2164.3	442588.6	600193.8	2164.3	0
12499.97	91.65	269.9	7163.54	10276.54	-4.23	-2264.26	442588.5	600093.8	2264.26	0
12599.97	91.65	269.9	7160.66	10273.66	-4.4	-2364.22	442588.3	599993.9	2364.22	0
12699.97	91.65	269.9	7157.78	10270.78	-4.57	-2464.18	442588.1	599893.9	2464.18	0
12799.97	91.65	269.9	7154.9	10267.9	-4.75	-2564.13	442587.9	599794	2564.14	0
12899.97	91.65	269.9	7152.02	10265.02	-4.92	-2664.09	442587.8	599694	2664.1	0
12999.97	91.65	269.9	7149.14	10262.14	-5.1	-2764.05	442587.6	599594	2764.05	0
13099.97	91.65	269.9	7146.26	10259.26	-5.27	-2864.01	442587.4	599494.1	2864.01	0
13199.97	91.65	269.9	7143.38	10256.38	-5.45	-2963.97	442587.2	599394.1	2963.97	0
13299.97	91.65	269.9	7140.5	10253.5	-5.62	-3063.92	442587.1	599294.2	3063.93	0
13399.97	91.65	269.9	7137.62	10250.62	-5.8	-3163.88	442586.9	599194.2	3163.89	0
13499.97	91.65	269.9	7134.74	10247.74	-5.97	-3263.84	442586.7	599094.3	3263.85	0
13599.97	91.65	269.9	7131.86	10244.86	-6.14	-3363.8	442586.6	598994.3	3363.8	0
13699.97	91.65	269.9	7128.98	10241.98	-6.32	-3463.76	442586.4	598894.3	3463.76	0
13799.97	91.65	269.9	7126.11	10239.11	-6.49	-3563.72	442586.2	598794.4	3563.72	0
13899.97	91.65	269.9	7123.23	10236.23	-6.67	-3663.67	442586	598694.4	3663.68	0
13999.97	91.65	269.9	7120.35	10233.35	-6.84	-3763.63	442585.9	598594.5	3763.64	0
14099.97	91.65	269.9	7117.47	10230.47	-7.02	-3863.59	442585.7	598494.5	3863.6	0
14199.97	91.65	269.9	7114.59	10227.59	-7.19	-3963.55	442585.5	598394.6	3963.55	0
14299.97	91.65	269.9	7111.71	10224.71	-7.37	-4063.51	442585.3	598294.6	4063.51	0
14399.97	91.65	269.9	7108.83	10221.83	-7.54	-4163.46	442585.2	598194.6	4163.47	0
14499.97	91.65	269.9	7105.95	10218.95	-7.72	-4263.42	442585	598094.7	4263.43	0
14599.97	91.65	269.9	7103.07	10216.07	-7.89	-4363.38	442584.8	597994.7	4363.39	0
14699.97	91.65	269.9	7100.19	10213.19	-8.06	-4463.34	442584.6	597894.8	4463.35	0
14799.97	91.65	269.9	7097.31	10210.31	-8.24	-4563.3	442584.5	597794.8	4563.3	0
14899.97	91.65	269.9	7094.43	10207.43	-8.41	-4663.26	442584.3	597694.8	4663.26	0

14999.97	91.65	269.9	7091.55	10204.55	-8.59	-4763.21	442584.1	597594.9	4763.22	0
15099.97	91.65	269.9	7088.67	10201.67	-8.76	-4863.17	442583.9	597494.9	4863.18	0
15113	91.65	269.9	7088.3	10201.3	-8.78	-4876.2	442583.9	597481.9	4876.2	0

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to WELL. 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 269.897- (Grid).

Coordinate System is North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone.
Grid Convergence at Surface is 0.105-.

Based upon Minimum Curvature type calculations, at a Measured Depth of 15113.00ft.,
the Bottom Hole Displacement is 4876.20ft., in the Direction of 269.897- (Grid).

30-015-44932

