

NM OIL CONSERVATION ARTESIA DISTRICT

DEC 31 2014

8/5/2014

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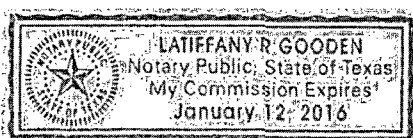
Customer Name: Yates Petroleum
Well Name: Wolf AJA Federal Cor
API Number: 30-015-42239
County / Parish: Eddy Co. New Mexico

M.W.D. Operator: Bob Gary
Directional Driller: Jack Chance
Total Magnetic Correction: 7
Job #: NM-452

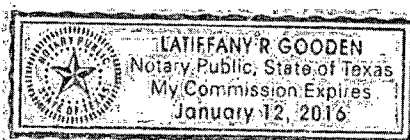
Vertical Section: 358.10

Tie In Survey(s) Provided By:

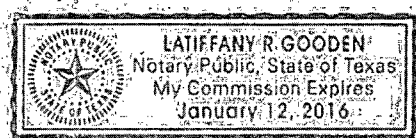
	Meas.	Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	+N/-S	+E/-W	Dist.	Angle	DLS
Tie - In											
1	100.00	0.48	78.33	100.00	0.07	0.08	0.41	0.42	78.33	0.48	
2	200.00	0.71	32.72	200.00	0.65	0.69	1.16	1.34	59.30	0.51	
3	300.00	0.53	68.64	299.99	1.31	1.38	1.92	2.36	54.39	0.42	
4	400.00	0.79	43.44	399.98	1.95	2.04	2.83	3.49	54.11	0.38	
5	500.00	0.59	45.31	499.98	2.78	2.91	3.67	4.68	51.58	0.20	
6	600.00	0.85	55.03	599.97	3.54	3.69	4.64	5.93	51.47	0.29	
7	700.00	1.11	37.92	699.95	4.69	4.88	5.84	7.61	50.11	0.39	
8	804.00	1.10	28.80	803.93	6.32	6.55	6.94	9.55	46.65	0.17	
9	899.00	1.20	29.70	898.91	7.95	8.22	7.87	11.38	43.78	0.11	
10	994.00	1.10	29.00	993.90	9.58	9.88	8.81	13.24	41.73	0.11	
11	1089.00	0.40	99.50	1088.89	10.30	10.62	9.58	14.30	42.05	1.09	
12	1184.00	0.40	76.10	1183.89	10.30	10.65	10.23	14.76	43.85	0.17	
13	1278.00	0.50	75.90	1277.88	10.46	10.82	10.94	15.39	45.31	0.11	
14	1373.00	0.60	86.50	1372.88	10.56	10.96	11.84	16.13	47.23	0.15	
15	1468.00	0.90	78.40	1467.87	10.70	11.14	13.07	17.17	49.57	0.33	
16	1563.00	1.30	73.80	1562.85	11.09	11.59	14.84	18.82	52.01	0.43	
17	1658.00	1.80	67.50	1657.82	11.88	12.46	17.25	21.28	54.16	0.56	
18	1753.00	1.70	73.80	1752.77	12.75	13.42	19.98	24.07	56.11	0.23	
19	1848.00	1.10	62.40	1847.75	13.50	14.24	22.14	26.32	57.26	0.69	
20	1943.00	1.00	42.20	1942.73	14.49	15.27	23.51	28.03	56.98	0.40	
21	2038.00	0.90	84.20	2037.72	15.13	15.96	24.81	29.50	57.24	0.72	
22	2133.00	1.10	51.50	2132.70	15.73	16.61	26.26	31.07	57.69	0.63	
23	2228.00	0.80	0.70	2227.69	16.93	17.84	26.98	32.35	56.53	0.90	
24	2323.00	0.60	95.60	2322.69	17.53	18.45	27.49	33.11	56.12	1.09	
25	2418.00	0.80	54.60	2417.68	17.83	18.79	28.52	34.15	56.63	0.55	
26	2513.00	1.10	106.30	2512.67	17.91	18.92	29.94	35.41	57.71	0.92	
27	2608.00	1.20	109.10	2607.65	17.27	18.34	31.75	36.67	60.00	0.12	
28	2703.00	2.70	109.30	2702.59	16.11	17.27	34.81	38.85	63.61	1.58	
29	2798.00	1.60	113.70	2797.52	14.72	16.00	38.13	41.35	67.24	1.17	
30	2893.00	0.70	21.90	2892.51	14.68	16.00	39.56	42.68	67.98	1.86	
31	2988.00	1.70	48.10	2987.49	16.12	17.48	40.83	44.41	66.82	1.17	
32	3083.00	1.00	48.70	3082.46	17.55	18.97	42.50	46.54	65.95	0.74	
33	3177.00	0.20	56.90	3176.46	18.16	19.60	43.25	47.49	65.62	0.85	
34	3272.00	0.70	62.30	3271.45	18.50	19.96	43.91	48.23	65.55	0.53	
35	3367.00	0.40	96.30	3366.45	18.70	20.20	44.75	49.10	65.71	0.45	
36	3462.00	0.50	204.80	3461.45	18.28	19.78	44.91	49.07	66.22	0.77	
37	3557.00	1.50	208.80	3556.43	16.84	18.32	44.13	47.78	67.46	1.05	
38	3652.00	0.70	228.70	3651.41	15.41	16.84	43.10	46.27	68.65	0.92	
39	3747.00	0.40	258.70	3746.41	14.98	16.40	42.34	45.40	68.83	0.43	
40	3842.00	0.60	250.30	3841.40	14.78	16.16	41.54	44.58	68.74	0.22	
41	3937.00	0.10	20.70	3936.40	14.70	16.07	41.10	44.13	68.64	0.70	



42	4032.00	0.60	39.70	4031.40	15.15	16.53	41.45	44.63	68.25	0.53
43	4127.00	0.90	61.80	4126.39	15.85	17.27	42.43	45.81	67.85	0.43
44	4221.00	0.30	126.90	4220.39	16.03	17.47	43.27	46.67	68.02	0.87
45	4316.00	0.40	139.20	4315.39	15.61	17.07	43.69	46.91	68.66	0.13
46	4359.00	0.30	149.40	4358.39	15.40	16.86	43.84	46.97	68.97	0.27
47	4528.00	0.20	115.30	4527.38	14.87	16.35	44.34	47.26	69.75	0.10
48	4623.00	0.10	167.70	4622.38	14.72	16.20	44.50	47.36	70.00	0.17
49	4718.00	0.10	158.50	4717.38	14.56	16.04	44.55	47.35	70.20	0.02
50	4812.00	0.30	42.90	4811.38	14.65	16.15	44.75	47.57	70.16	0.38
51	4907.00	0.40	37.60	4906.38	15.09	16.59	45.12	48.07	69.81	0.11
52	5002.00	0.40	26.20	5001.38	15.63	17.15	45.47	48.60	69.33	0.08
53	5097.00	0.40	18.60	5096.38	16.24	17.76	45.72	49.05	68.77	0.06
54	5192.00	0.30	338.50	5191.38	16.78	18.31	45.74	49.27	68.18	0.27
55	5287.00	0.50	302.30	5286.37	17.25	18.76	45.30	49.03	67.50	0.33
56	5382.00	0.70	287.20	5381.37	17.67	19.15	44.39	48.35	66.66	0.27
57	5477.00	0.80	304.10	5476.36	18.25	19.70	43.29	47.56	65.53	0.25
58	5572.00	0.70	289.50	5571.35	18.85	20.26	42.19	46.80	64.35	0.23
59	5666.00	0.70	298.40	5665.34	19.35	20.73	41.14	46.07	63.26	0.12
60	5762.00	0.60	300.90	5761.34	19.92	21.27	40.20	45.48	62.12	0.11
61	5857.00	0.70	287.40	5856.33	20.38	21.69	39.22	44.82	61.05	0.19
62	5952.00	0.80	295.30	5951.32	20.88	22.15	38.06	44.04	59.80	0.15
63	6046.00	0.80	289.10	6045.32	21.41	22.65	36.85	43.25	58.43	0.09
64	6141.00	0.80	283.00	6140.31	21.82	23.01	35.58	42.37	57.10	0.09
65	6236.00	0.90	281.00	6235.30	22.16	23.30	34.20	41.38	55.73	0.11
66	6331.00	1.00	273.80	6330.28	22.41	23.50	32.64	40.22	54.24	0.16
67	6426.00	1.10	280.70	6425.27	22.69	23.73	30.92	38.97	52.50	0.17
68	6521.00	1.20	280.50	6520.25	23.10	24.08	29.04	37.72	50.34	0.11
69	6616.00	1.20	250.80	6615.23	23.02	23.93	27.12	36.17	48.58	0.65
70	6710.00	1.10	241.30	6709.21	22.32	23.17	25.40	34.39	47.63	0.23
71	6805.00	1.00	237.40	6804.19	21.48	22.29	23.90	32.68	47.00	0.13
72	6900.00	1.10	224.60	6899.18	20.43	21.19	22.57	30.96	46.80	0.27
73	6995.00	0.70	219.00	6994.16	19.37	20.09	21.56	29.47	47.02	0.43
74	7090.00	0.70	228.30	7089.16	18.56	19.26	20.76	28.32	47.16	0.12
75	7185.00	0.50	229.00	7184.15	17.92	18.60	20.02	27.32	47.10	0.21
76	7280.00	0.60	227.80	7279.15	17.34	17.99	19.33	26.41	47.06	0.11
77	7390.00	0.60	222.90	7389.14	16.56	17.18	18.52	25.26	47.14	0.05
78	7483.00	0.50	235.50	7482.14	16.00	16.60	17.85	24.37	47.08	0.17
79	7507.00	0.60	230.90	7506.14	15.86	16.46	17.67	24.14	47.03	0.46
80	7532.00	0.60	226.00	7531.14	15.70	16.28	17.47	23.88	47.01	0.21
81	7563.00	1.10	339.10	7562.13	15.87	16.45	17.25	23.83	46.36	4.66
82	7595.00	4.30	355.80	7594.09	17.36	17.93	17.05	24.75	43.55	10.19
83	7627.00	7.70	360.00	7625.91	20.70	21.27	16.96	27.21	38.57	10.71
84	7659.00	10.80	4.00	7657.49	25.83	26.41	17.17	31.50	33.03	9.89
85	7691.00	13.70	7.70	7688.76	32.55	33.16	17.89	37.68	28.35	9.38
86	7723.00	17.10	7.20	7719.61	40.93	41.58	18.99	45.71	24.54	10.63
87	7755.00	20.30	6.10	7749.92	51.08	51.77	20.17	55.56	21.28	10.06
88	7787.00	22.70	4.90	7779.69	62.71	63.45	21.28	66.92	18.54	7.62
89	7818.00	25.10	2.80	7808.03	75.20	75.98	22.12	79.13	16.23	8.21
90	7851.00	28.80	1.70	7837.44	90.11	90.92	22.69	93.71	14.02	11.31
91	7882.00	32.40	1.00	7864.12	105.87	106.69	23.06	109.15	12.20	11.67
92	7912.00	35.30	1.20	7889.03	122.55	123.40	23.38	125.59	10.73	9.67
93	7944.00	37.70	1.00	7914.75	141.56	142.43	23.75	144.39	9.47	7.51
94	7974.00	40.00	0.30	7938.11	160.36	161.24	23.96	163.01	8.45	7.81
95	8006.00	43.40	359.80	7962.00	181.63	182.53	23.97	184.09	7.48	10.68
96	8038.00	47.70	359.80	7984.41	204.46	205.36	23.89	206.75	6.4	13.44



97	8069.00	51.60	359.60	8004.47	228.07	228.98	23.77	230.21	5.93	12.59
98	8101.00	54.70	360.00	8023.66	253.66	254.59	23.68	255.69	5.31	9.74
99	8133.00	57.10	359.60	8041.60	280.15	281.08	23.59	282.07	4.80	7.57
100	8165.00	59.00	358.90	8058.54	307.29	308.23	23.23	309.11	4.31	6.22
101	8196.00	60.20	357.90	8074.22	334.03	334.96	22.48	335.71	3.84	4.77
102	8228.00	62.70	356.60	8089.52	362.13	363.03	21.13	363.65	3.33	8.59
103	8258.00	66.00	355.90	8102.50	389.16	390.01	19.36	390.49	2.84	11.20
104	8290.00	71.10	355.80	8114.20	418.91	419.71	17.20	420.06	2.35	15.94
105	8322.00	73.60	356.30	8123.90	449.38	450.13	15.10	450.38	1.92	7.95
106	8354.00	75.30	356.80	8132.48	480.20	480.90	13.25	481.08	1.58	5.52
107	8385.00	78.10	357.20	8139.61	510.35	511.02	11.67	511.16	1.31	9.12
108	8417.00	81.60	357.90	8145.25	541.85	542.49	10.33	542.59	1.09	11.15
109	8439.00	83.40	358.40	8148.12	563.66	564.29	9.62	564.37	0.98	8.49
110	8471.00	85.20	358.40	8151.30	595.50	596.12	8.73	596.18	0.84	5.63
111	8502.00	86.60	357.30	8153.51	626.42	627.01	7.57	627.06	0.69	5.74
112	8533.00	87.00	357.20	8155.24	657.37	657.93	6.09	657.96	0.53	1.33
113	8565.00	87.40	356.30	8156.81	689.32	689.84	4.28	689.85	0.36	3.07
114	8597.00	88.70	355.20	8157.90	721.27	721.73	1.91	721.73	0.15	5.32
115	8628.00	90.50	354.50	8158.11	752.22	752.60	-0.88	752.60	359.93	6.23
116	8723.00	93.00	356.80	8155.21	847.07	847.27	-8.08	847.31	359.45	3.57
117	8818.00	92.20	357.20	8150.90	941.96	942.04	-13.05	942.13	359.21	0.94
118	8913.00	91.90	356.80	8147.50	1036.88	1036.85	-18.01	1037.01	359.00	0.53
119	9009.00	91.80	357.20	8144.40	1132.81	1132.67	-23.04	1132.90	358.83	0.43
120	9104.00	89.90	358.00	8142.99	1227.79	1227.57	-27.01	1227.87	358.74	2.17
121	9198.00	89.50	358.20	8143.49	1321.79	1321.52	-30.13	1321.86	358.69	0.48
122	9293.00	91.50	358.60	8142.66	1416.78	1416.47	-32.78	1416.85	358.67	2.15
123	9388.00	90.90	358.90	8140.67	1511.75	1511.43	-34.85	1511.83	358.68	0.71
124	9483.00	90.70	359.10	8139.34	1606.73	1606.41	-36.51	1606.82	358.70	0.30
125	9577.00	90.40	359.60	8138.44	1700.71	1700.39	-37.58	1700.81	358.73	0.62
126	9672.00	92.10	360.00	8136.37	1795.64	1795.37	-37.91	1795.77	358.79	1.84
127	9768.00	90.20	359.40	8134.44	1891.58	1891.34	-38.41	1891.73	358.84	2.08
128	9864.00	89.20	358.60	8134.94	1987.56	1987.32	-40.09	1987.73	358.84	1.33
129	9959.00	87.50	357.70	8137.68	2082.52	2082.23	-43.15	2082.68	358.81	2.02
130	10051.00	87.40	356.30	8141.77	2174.41	2174.01	-47.96	2174.54	358.74	1.52
131	10147.00	88.20	355.20	8145.46	2270.25	2269.67	-55.07	2270.34	358.61	1.42
132	10242.00	91.60	355.80	8145.62	2365.14	2364.37	-62.52	2365.19	358.49	3.63
133	10335.00	92.00	355.80	8142.70	2458.02	2457.07	-69.33	2458.05	358.38	0.43
134	10431.00	92.20	355.90	8139.18	2553.88	2552.76	-76.28	2553.89	358.29	0.23
135	10524.00	91.50	357.70	8136.18	2646.80	2645.56	-81.46	2646.81	358.24	2.08
136	10618.00	90.40	357.70	8134.62	2740.79	2739.47	-85.24	2740.79	358.22	1.17
137	10714.00	90.70	357.00	8133.70	2836.77	2835.36	-89.67	2836.78	358.19	0.79
138	10807.00	91.50	357.30	8131.92	2929.74	2928.23	-94.30	2929.74	358.16	0.92
139	10901.00	91.00	359.40	8129.87	3023.71	3022.16	-97.00	3023.72	358.16	2.30
140	10980.00	90.50	359.60	8128.83	3102.68	3101.15	-97.69	3102.69	358.20	0.68
141	11074.00	91.40	359.30	8127.27	3196.64	3195.13	-98.59	3196.65	358.23	1.01
142	11169.00	92.20	358.90	8124.29	3291.58	3290.07	-100.09	3291.59	358.26	0.94
143	11261.00	91.90	358.90	8121.00	3383.51	3382.00	-101.85	3383.53	358.28	0.33
144	11353.00	89.10	357.50	8120.20	3475.50	3473.94	-104.74	3475.51	358.27	3.40
145	11446.00	89.70	357.30	8121.17	3568.49	3566.83	-108.96	3568.50	358.25	0.68
146	11539.00	90.70	358.20	8120.84	3661.48	3659.76	-112.61	3661.49	358.24	1.45
147	11632.00	89.30	358.60	8120.84	3754.48	3752.72	-115.21	3754.49	358.24	1.57
148	11724.00	90.30	358.60	8121.17	3846.47	3844.69	-117.45	3846.49	358.25	1.09
149	11817.00	88.10	357.70	8122.46	3939.46	3937.63	-120.46	3939.47	358.25	2.56
150	11910.00	88.40	357.20	8125.30	4032.41	4030.49	-124.59	4032.42	358.23	0.63
151	12002.00	89.20	359.30	8127.23	4124.38	4122.42	-127.40	4124.39	358.23	2.44



152	12092.00	89.50	358.90	8128.25	4214.36	4212.41	-128.81	4214.37	358.25	0.56
153	12186.00	90.00	358.20	8128.66	4308.36	4306.37	-131.19	4308.37	358.26	0.92
154	12279.00	90.40	357.90	8128.34	4401.36	4399.32	-134.36	4401.37	358.25	0.54
155	12374.00	91.50	357.30	8126.76	4496.34	4494.22	-138.33	4496.35	358.24	1.32
156	12467.00	92.70	357.30	8123.35	4589.26	4587.05	-142.71	4589.27	358.22	1.29
157	12558.00	93.00	356.60	8118.83	4680.13	4677.81	-147.55	4680.14	358.19	0.84
158	12652.00	91.50	356.60	8115.14	4774.02	4771.57	-153.12	4774.03	358.16	1.60
159	12745.00	91.90	358.20	8112.38	4866.97	4864.43	-157.33	4866.98	358.15	1.77
160	12839.00	91.00	359.40	8110.00	4960.93	4958.38	-159.30	4960.94	358.16	1.60
161	12933.00	91.60	358.90	8107.87	5054.89	5052.34	-160.70	5054.90	358.18	0.83
162	13027.00	92.90	358.60	8104.18	5148.81	5146.25	-162.75	5148.82	358.19	1.42
163	13120.00	90.80	358.70	8101.18	5241.75	5239.17	-164.94	5241.76	358.20	2.26
164	13214.00	90.90	357.30	8099.78	5335.74	5333.10	-168.22	5335.75	358.19	1.49
165	13309.00	93.30	357.00	8096.30	5430.66	5427.91	-172.94	5430.66	358.18	2.55
166	13404.00	92.70	357.20	8091.33	5525.51	5522.66	-177.73	5525.52	358.16	0.67
167	13498.00	88.60	358.70	8090.26	5619.48	5616.57	-181.10	5619.49	358.15	4.64
168	13593.00	90.70	358.00	8090.84	5714.47	5711.52	-183.83	5714.48	358.16	2.33
169	13688.00	91.50	359.60	8089.02	5809.45	5806.48	-185.82	5809.45	358.17	1.88
170	13783.00	90.00	0.10	8087.78	5904.39	5901.47	-186.07	5904.40	358.19	1.66
171	13878.00	87.80	359.40	8089.60	5999.33	5996.44	-186.48	5999.34	358.22	2.43
172	13993.00	90.30	358.40	8091.51	6114.29	6111.39	-188.69	6114.31	358.23	2.34
173	14087.00	90.70	358.60	8090.69	6208.28	6205.36	-191.15	6208.30	358.24	0.48
174	14181.00	89.40	357.70	8090.60	6302.28	6299.31	-194.19	6302.30	358.23	1.68
175	14274.00	89.00	356.80	8091.90	6395.26	6392.19	-198.65	6395.27	358.22	1.06
176	14369.00	90.00	357.50	8092.73	6490.24	6487.07	-203.37	6490.25	358.20	1.28
177	14464.00	88.80	357.70	8093.73	6585.23	6581.98	-207.35	6585.24	358.20	1.28
178	14559.00	87.80	357.50	8096.54	6680.18	6676.85	-211.32	6680.19	358.19	1.07
179	14654.00	89.70	358.70	8098.62	6775.16	6771.77	-214.47	6775.16	358.19	2.37
180	14748.00	89.30	359.10	8099.44	6869.14	6865.75	-216.28	6869.15	358.20	0.60
181	14843.00	90.00	358.60	8100.02	6964.13	6960.72	-218.18	6964.14	358.20	0.91
182	14937.00	89.90	358.40	8100.10	7058.13	7054.69	-220.64	7058.14	358.21	0.24
183	15030.00	91.40	358.60	8099.04	7151.12	7147.65	-223.08	7151.13	358.21	1.63
184	15125.00	91.50	358.60	8096.64	7246.08	7242.59	-225.40	7246.10	358.22	0.11
185	15219.00	90.10	357.30	8095.33	7340.07	7336.52	-228.76	7340.09	358.21	2.03
186	15315.00	90.20	357.90	8095.08	7436.07	7432.43	-232.78	7436.08	358.21	0.63
187	15410.00	90.50	357.20	8094.50	7531.06	7527.35	-236.84	7531.07	358.20	0.80
188	15505.00	90.70	357.30	8093.50	7626.04	7622.23	-241.40	7626.05	358.19	0.24
189	15600.00	90.40	357.20	8092.59	7721.03	7717.12	-245.96	7721.04	358.17	0.33
190	15695.00	90.00	356.80	8092.26	7816.01	7811.99	-250.93	7816.01	358.16	0.60
191	15790.00	91.00	357.00	8091.43	7910.98	7906.84	-256.07	7910.99	358.15	1.07
192	15885.00	91.90	357.50	8089.03	8005.94	8001.70	-260.62	8005.94	358.13	1.08
193	15979.00	91.40	358.00	8086.32	8099.90	8095.59	-264.31	8099.90	358.13	0.75
194	16073.00	89.90	357.70	8085.25	8193.89	8189.51	-267.84	8193.89	358.13	1.63
195	16168.00	90.60	357.50	8084.84	8288.89	8284.43	-271.82	8288.89	358.12	0.77
196	16263.00	91.20	357.50	8083.35	8383.87	8379.33	-275.96	8383.87	358.11	0.63
197	16357.00	89.10	357.00	8083.10	8477.85	8473.21	-280.47	8477.85	358.10	2.30
198	16452.00	89.80	358.20	8084.01	8572.84	8568.12	-284.45	8572.84	358.10	1.46
199	16547.00	92.70	358.90	8081.94	8667.81	8663.06	-286.85	8667.81	358.10	3.14
200	16642.00	92.70	358.70	8077.46	8762.69	8757.93	-288.84	8762.69	358.11	0.21
201	16689.00	91.80	358.40	8075.62	8809.66	8804.88	-290.03	8809.66	358.11	2.02
PTB	16745.00	91.80	358.40	8073.86	8865.63	8860.83	-291.59	8865.63	358.12	0.00

