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MS Directional Survey Data Certification

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JUL 27 2018

DISTRICT II-ARTESIA O.C.D.

MS Directional Job Number: DDMO-180239
Survey Type: MWD
Operating Company: Matador Production Company
Well Name & Number: David Edelstein State COM 203H
Location: Eddy County, NM
API Number: 30-015-44682
Tie In Depth: Surface
Surveyed Depths: 202' – 19,351' MD
Projected TD Survey: 19,425' MD
Dates Performed: 03/10/2018 – 04/05/2018

I certify that the data is true, correct and complete and within the limitations of the tool set forth by MS Directional; that I am authorized and qualified to make this report and that I have reviewed this report and find it conforms to the principles and procedures as set forth by MS Directional.

Digitally signed by: Christopher Morasch
MWD Surveyor Name: Chris Morasch
Date: 04-30-2018
Email: cmorasch@msdir.com

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V09.04.02

Company:		Matador Production Company										
Well Name:		David Edelstein State COM 203H										
Location:		Eddy County, NM										
Rig:		Patterson #297				Magnetic Declination:		7.12		REFERENCED TO GRID NORTH		
Job Number:		DDMO-180239										
API #:		30-15-44682										
Vertical Section Azimuth:					270.20		Proposed Direction:		270.20			
Survey Calculation Method:					Minimum Curvature							
PTB:	MD		INC		AZM	TVD	N/S	E/W		VS		
	19,425		88.7		270.2	9108.31	41.94	-10100.7		10100.79		
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance Azm		DLS/ 100	BUR/ 100'	
TIE IN	0	0.00	0.00	0.00	0.00	0.00		0.00				
1	202	0.20	84.70	202.00	0.03	0.35	-0.35	0.35	84.70	0.10	0.10	
2	398	0.70	0.40	397.99	1.26	0.70	-0.70	1.44	29.03	0.36	0.26	
3	510	0.60	352.20	509.99	2.53	0.63	-0.62	2.60	13.90	0.12	-0.09	
4	692	0.30	23.90	691.98	3.91	0.69	-0.68	3.97	10.00	0.21	-0.16	
5	875	1.90	53.10	874.94	6.17	3.31	-3.29	7.00	28.22	0.90	0.87	
6	1,063	2.30	66.80	1062.82	9.52	9.27	-9.24	13.29	44.22	0.34	0.21	
7	1,250	4.40	63.50	1249.49	14.20	19.14	-19.09	23.83	53.42	1.13	1.12	
8	1,436	3.10	60.70	1435.09	19.85	29.91	-29.84	35.90	56.43	0.71	-0.70	
9	1,624	2.70	64.70	1622.84	24.23	38.35	-38.26	45.36	57.71	0.24	-0.21	
10	1,811	4.10	73.50	1809.51	28.01	48.74	-48.64	56.21	60.12	0.80	0.75	
11	1,999	3.90	87.50	1997.06	30.20	61.57	-61.46	68.58	63.87	0.53	-0.11	
12	2,186	5.20	76.70	2183.47	32.42	76.17	-76.06	82.79	66.94	0.83	0.70	
13	2,373	4.50	64.40	2369.80	37.54	91.03	-90.90	98.47	67.59	0.67	-0.37	
14	2,461	4.10	67.20	2457.55	40.25	97.05	-96.91	105.07	67.47	0.51	-0.45	
15	2,563	3.40	65.80	2559.34	42.91	103.17	-103.02	111.74	67.42	0.69	-0.69	
16	2,751	3.50	69.20	2747.00	47.23	113.62	-113.45	123.04	67.43	0.12	0.05	
17	2,938	4.30	54.80	2933.56	53.30	124.68	-124.50	135.60	66.85	0.67	0.43	
18	3,125	4.30	56.80	3120.04	61.18	136.28	-136.06	149.38	65.82	0.08	0.00	
19	3,313	3.90	53.50	3307.56	68.84	147.31	-147.07	162.61	64.95	0.25	-0.21	
20	3,500	4.10	52.10	3494.10	76.73	157.70	-157.43	175.38	64.05	0.12	0.11	
21	3,687	3.80	46.40	3680.66	85.11	167.46	-167.17	187.85	63.06	0.26	-0.16	
22	3,874	3.90	59.70	3867.24	92.59	177.44	-177.12	200.15	62.44	0.48	0.05	
23	4,061	4.00	62.10	4053.80	98.85	188.70	-188.35	213.02	62.35	0.10	0.05	
24	4,249	3.80	57.50	4241.36	105.27	199.75	-199.38	225.79	62.21	0.20	-0.11	
25	4,436	3.40	58.10	4427.99	111.53	209.68	-209.29	237.50	61.99	0.21	-0.21	
26	4,623	3.80	56.10	4614.62	117.91	219.53	-219.12	249.19	61.76	0.22	0.21	
27	4,811	4.60	68.30	4802.12	124.18	231.71	-231.27	262.88	61.81	0.64	0.43	
28	4,998	4.40	69.50	4988.54	129.46	245.39	-244.94	277.45	62.19	0.12	-0.11	
29	5,185	4.00	67.60	5175.04	134.46	258.14	-257.67	291.06	62.49	0.23	-0.21	
30	5,372	3.70	67.50	5361.62	139.25	269.75	-269.26	303.57	62.70	0.16	-0.16	
31	5,559	2.60	73.60	5548.33	142.76	279.39	-278.89	313.75	62.93	0.61	-0.59	
32	5,746	1.40	39.60	5735.22	145.72	284.92	-284.41	320.02	62.91	0.88	-0.64	
33	5,840	1.00	318.60	5829.21	147.22	285.11	-284.59	320.87	62.69	1.69	-0.43	

V09.04.02

Company:		Matador Production Company										
Well Name:		David Edelstein State COM 203H										
Location:		Eddy County, NM										
Rig:		Patterson #297					Magnetic Declination:		7.12		REFERENCED TO GRID NORTH	
Job Number:		DDMO-180239										
API #:		30-15-44682										
Vertical Section Azimuth:			270.20			Proposed Direction:		270.20				
Survey Calculation Method:			Minimum Curvature									
PTB:	MD		INC		AZM	TVD	N/S	E/W		VS		
	19,425		88.7		270.2	9108.31	41.94	-10100.7		10100.79		
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance Azm		DLS/ 100	BUR/ 100'	
34	5,934	1.30	306.50	5923.19	148.47	283.71	-283.19	320.21	62.38	0.41	0.32	
35	6,027	1.60	292.00	6016.16	149.58	281.65	-281.13	318.91	62.03	0.51	0.32	
36	6,121	1.70	285.50	6110.12	150.44	279.09	-278.57	317.06	61.67	0.23	0.11	
37	6,214	1.10	260.10	6203.09	150.66	276.89	-276.36	315.22	61.45	0.91	-0.65	
38	6,308	0.10	209.90	6297.09	150.43	275.96	-275.43	314.30	61.40	1.11	-1.06	
39	6,402	0.80	112.10	6391.08	150.12	276.52	-276.00	314.64	61.50	0.87	0.74	
40	6,496	1.20	111.40	6485.07	149.51	278.05	-277.52	315.69	61.73	0.43	0.43	
41	6,589	0.80	123.30	6578.05	148.80	279.50	-278.98	316.64	61.97	0.48	-0.43	
42	6,683	0.50	120.20	6672.05	148.23	280.40	-279.88	317.17	62.14	0.32	-0.32	
43	6,777	0.50	145.80	6766.04	147.69	280.98	-280.47	317.43	62.27	0.24	0.00	
44	6,870	0.20	114.00	6859.04	147.28	281.36	-280.84	317.58	62.37	0.37	-0.32	
45	6,964	0.80	115.70	6953.04	146.93	282.10	-281.59	318.07	62.49	0.64	0.64	
46	7,058	1.20	127.20	7047.02	146.05	283.48	-282.97	318.89	62.74	0.47	0.43	
47	7,151	0.60	155.00	7140.01	145.02	284.46	-283.95	319.29	62.99	0.78	-0.65	
48	7,245	0.30	86.70	7234.01	144.59	284.91	-284.41	319.50	63.09	0.60	-0.32	
49	7,339	0.40	170.70	7328.01	144.28	285.21	-284.71	319.63	63.17	0.50	0.11	
50	7,432	1.00	187.00	7421.00	143.16	285.16	-284.66	319.08	63.34	0.67	0.65	
51	7,526	0.60	305.20	7515.00	142.63	284.66	-284.16	318.39	63.39	1.48	-0.43	
52	7,620	0.80	239.20	7608.99	142.57	283.70	-283.20	317.51	63.32	0.83	0.21	
53	7,713	0.60	44.80	7701.99	142.59	283.48	-282.98	317.32	63.30	1.49	-0.22	
54	7,807	0.60	33.90	7795.98	143.34	284.10	-283.60	318.22	63.23	0.12	0.00	
55	7,900	0.50	77.90	7888.98	143.83	284.77	-284.27	319.03	63.20	0.45	-0.11	
56	7,994	0.60	96.40	7982.98	143.86	285.66	-285.16	319.84	63.27	0.22	0.11	
57	8,088	0.50	106.40	8076.97	143.69	286.54	-286.04	320.55	63.37	0.15	-0.11	
58	8,181	0.80	18.80	8169.97	144.19	287.14	-286.64	321.31	63.34	1.00	0.32	
59	8,275	0.80	358.40	8263.96	145.47	287.34	-286.83	322.06	63.15	0.30	0.00	
60	8,369	0.20	353.50	8357.95	146.29	287.30	-286.79	322.40	63.02	0.64	-0.64	
61	8,463	0.30	227.50	8451.95	146.29	287.10	-286.59	322.22	63.00	0.48	0.11	
62	8,556	0.50	199.20	8544.95	145.74	286.79	-286.28	321.69	63.06	0.30	0.22	
63	8,649	0.30	228.60	8637.95	145.19	286.47	-285.96	321.16	63.12	0.30	-0.22	
64	8,764	3.80	281.00	8752.86	145.72	282.50	-281.99	317.87	62.71	3.15	3.04	
65	8,811	10.10	281.30	8799.49	146.83	276.93	-276.41	313.44	62.07	13.40	13.40	
66	8,858	16.80	279.10	8845.18	148.71	266.17	-265.65	304.89	60.81	14.29	14.26	
67	8,905	23.50	276.00	8889.28	150.77	250.12	-249.59	292.05	58.92	14.43	14.26	

09.04.02

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Well Name:		David Edelstein State COM 203H												
Location:		Eddy County, NM												
Rig:		Patterson #297				Magnetic Declination:		7.12		REFERENCED TO GRID NORTH				
Job Number:		DDMO-180239												
API #:		30-15-44682												
Vertical Section Azimuth:			270.20		Proposed Direction:		270.20							
Survey Calculation Method:			Minimum Curvature											
PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	19,425		88.7		270.2		9108.31		41.94		-10100.7		10100.79	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance		Azm	DLS/ 100	BUR/ 100'		
68	8,951	29.00	273.90	8930.52	152.49	229.86	-229.33	275.84	56.44	12.12	11.96			
69	8,998	33.90	274.00	8970.60	154.18	205.40	-204.86	256.83	53.11	10.43	10.43			
70	9,045	38.40	273.50	9008.54	155.98	177.74	-177.20	236.48	48.73	9.59	9.57			
71	9,092	43.70	273.40	9043.97	157.84	146.95	-146.39	215.65	42.95	11.28	11.28			
72	9,139	47.60	272.00	9076.82	159.41	113.38	-112.82	195.62	35.42	8.57	8.30			
73	9,186	51.10	271.60	9107.44	160.52	77.75	-77.18	178.36	25.84	7.47	7.45			
74	9,232	54.60	271.80	9135.21	161.61	41.10	-40.54	166.76	14.27	7.62	7.61			
75	9,279	57.20	272.30	9161.56	163.01	2.21	-1.64	163.02	0.78	5.60	5.53			
76	9,326	60.30	271.10	9185.94	164.19	-37.95	38.52	168.52	346.99	6.95	6.60			
77	9,373	63.70	270.90	9208.00	164.92	-79.43	80.01	183.05	334.28	7.24	7.23			
78	9,420	66.60	270.50	9227.75	165.44	-122.07	122.65	205.60	323.58	6.22	6.17			
79	9,467	69.60	270.60	9245.28	165.85	-165.67	166.25	234.43	315.03	6.39	6.38			
80	9,513	72.90	270.10	9260.06	166.12	-209.22	209.80	267.15	308.45	7.25	7.17			
81	9,560	76.20	269.10	9272.58	165.80	-254.52	255.10	303.76	303.08	7.31	7.02			
82	9,666	85.10	269.30	9289.79	164.34	-358.99	359.57	394.82	294.60	8.40	8.40			
83	9,713	89.20	268.30	9292.12	163.36	-405.92	406.48	437.55	291.92	8.98	8.72			
84	9,760	91.40	266.50	9291.88	161.23	-452.86	453.42	480.71	289.60	6.05	4.68			
85	9,855	89.70	265.70	9290.96	154.77	-547.63	548.17	569.08	285.78	1.98	-1.79			
86	9,950	90.00	266.50	9291.21	148.31	-642.41	642.93	659.31	283.00	0.90	0.32			
87	10,045	90.40	267.00	9290.88	142.92	-737.26	737.75	750.98	280.97	0.67	0.42			
88	10,139	90.30	267.00	9290.31	138.00	-831.13	831.60	842.51	279.43	0.11	-0.11			
89	10,234	88.80	266.20	9291.05	132.37	-925.95	926.41	935.37	278.14	1.79	-1.58			
90	10,329	92.10	267.50	9290.31	127.15	-1020.79	1021.23	1028.68	277.10	3.73	3.47			
91	10,424	91.70	269.40	9287.16	124.58	-1115.70	1116.13	1122.63	276.37	2.04	-0.42			
92	10,518	88.80	267.50	9286.75	122.04	-1209.65	1210.07	1215.79	275.76	3.69	-3.09			
93	10,613	90.30	269.70	9287.49	119.72	-1304.61	1305.02	1310.09	275.24	2.80	1.58			
94	10,707	90.40	269.50	9286.92	119.06	-1398.61	1399.01	1403.67	274.87	0.24	0.11			
95	10,800	92.50	269.70	9284.57	118.41	-1491.57	1491.97	1496.26	274.54	2.27	2.26			
96	10,894	93.80	272.70	9279.40	120.37	-1585.39	1585.81	1589.96	274.34	3.47	1.38			
97	10,989	95.60	273.50	9271.62	125.49	-1679.93	1680.36	1684.61	274.27	2.07	1.89			
98	11,083	93.50	272.30	9264.16	130.23	-1773.51	1773.95	1778.28	274.20	2.57	-2.23			
99	11,176	89.60	273.10	9261.64	134.61	-1866.35	1866.81	1871.20	274.13	4.28	-4.19			
100	11,270	90.30	270.90	9261.73	137.89	-1960.29	1960.76	1965.13	274.02	2.46	0.74			
101	11,364	94.60	271.70	9257.71	140.02	-2054.16	2054.63	2058.92	273.90	4.65	4.57			

Page 3

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Location:		Eddy County, NM												
Rig:		Patterson #297					Magnetic Declination:		7.12		REFERENCED TO GRID NORTH			
Job Number:		DDMO-180239												
API #:		30-15-44682												
Vertical Section Azimuth:					270.20			Proposed Direction:		270.20				
Survey Calculation Method:					Minimum Curvature									
PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	19,425		88.7		270.2		9108.31		41.94		-10100.7		10100.79	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure		DLS/ 100	BUR/ 100'			
								Distance	Azm					
102	11,458	90.00	272.00	9253.94	143.05	-2148.01	2148.49	2152.76	273.81	4.90	-4.89			
103	11,553	89.00	270.60	9254.77	145.21	-2242.97	2243.47	2247.67	273.70	1.81	-1.05			
104	11,648	92.00	269.40	9253.94	145.21	-2337.96	2338.45	2342.46	273.55	3.40	3.16			
105	11,742	93.80	269.70	9249.18	144.47	-2431.83	2432.32	2436.12	273.40	1.94	1.91			
106	11,837	91.60	268.40	9244.71	142.90	-2526.71	2527.19	2530.74	273.24	2.69	-2.32			
107	11,932	93.00	268.60	9240.89	140.41	-2621.59	2622.07	2625.35	273.07	1.49	1.47			
108	12,026	92.00	269.50	9236.79	138.85	-2715.49	2715.96	2719.04	272.93	1.43	-1.06			
109	12,121	90.50	268.00	9234.72	136.78	-2810.44	2810.90	2813.76	272.79	2.23	-1.58			
110	12,215	92.40	268.20	9232.34	133.67	-2904.35	2904.80	2907.43	272.64	2.03	2.02			
111	12,310	91.10	267.50	9229.44	130.10	-2999.24	2999.67	3002.06	272.48	1.55	-1.37			
112	12,404	93.10	267.70	9226.00	126.17	-3093.09	3093.51	3095.66	272.34	2.14	2.13			
113	12,499	90.90	265.90	9222.68	120.87	-3187.87	3188.27	3190.16	272.17	2.99	-2.32			
114	12,593	93.10	267.00	9219.40	115.05	-3281.63	3282.01	3283.64	272.01	2.62	2.34			
115	12,688	92.10	266.40	9215.09	109.59	-3376.37	3376.73	3378.15	271.86	1.23	-1.05			
116	12,783	95.00	266.00	9209.21	103.31	-3470.97	3471.31	3472.51	271.70	3.08	3.05			
117	12,878	94.10	267.60	9201.67	98.02	-3565.52	3565.84	3566.87	271.57	1.93	-0.95			
118	12,972	90.70	268.90	9197.74	95.16	-3659.38	3659.69	3660.61	271.49	3.87	-3.62			
119	13,067	89.80	266.40	9197.32	91.26	-3754.29	3754.58	3755.40	271.39	2.80	-0.95			
120	13,162	89.60	265.40	9197.82	84.47	-3849.04	3849.31	3849.97	271.26	1.07	-0.21			
121	13,256	92.40	267.20	9196.18	78.40	-3942.82	3943.07	3943.60	271.14	3.54	2.98			
122	13,351	91.90	267.50	9192.62	74.02	-4037.65	4037.88	4038.33	271.05	0.61	-0.53			
123	13,446	89.60	266.80	9191.37	69.29	-4132.52	4132.73	4133.10	270.96	2.53	-2.42			
124	13,541	89.00	269.10	9192.53	65.89	-4227.44	4227.65	4227.96	270.89	2.50	-0.63			
125	13,635	89.90	270.40	9193.44	65.48	-4321.43	4321.64	4321.93	270.87	1.68	0.96			
126	13,730	89.90	269.40	9193.60	65.32	-4416.43	4416.63	4416.92	270.85	1.05	0.00			
127	13,825	93.80	272.50	9190.53	66.89	-4511.34	4511.55	4511.84	270.85	5.24	4.11			
128	13,909	91.10	273.90	9186.94	71.57	-4595.12	4595.34	4595.68	270.89	3.62	-3.21			
129	14,002	88.40	273.30	9187.35	77.41	-4687.93	4688.17	4688.57	270.95	2.97	-2.90			
130	14,096	91.00	275.70	9187.84	84.79	-4781.62	4781.89	4782.37	271.02	3.76	2.77			
131	14,189	93.60	275.50	9184.11	93.86	-4874.10	4874.39	4875.00	271.10	2.80	2.80			
132	14,284	92.10	275.60	9179.39	103.03	-4968.53	4968.86	4969.60	271.19	1.58	-1.58			
133	14,379	90.60	276.20	9177.15	112.79	-5063.00	5063.36	5064.26	271.28	1.70	-1.58			
134	14,473	88.40	272.30	9177.97	119.76	-5156.71	5157.10	5158.10	271.33	4.76	-2.34			
135	14,568	87.50	267.60	9181.37	119.68	-5251.62	5252.01	5252.99	271.31	5.03	-0.95			

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Company:		Matador Production Company												
Well Name:		David Edelstein State COM 203H												
Location:		Eddy County, NM												
Rig:		Patterson #297				Magnetic Declination:		7.12		REFERENCED TO GRID NORTH				
Job Number:		DDMO-180239												
API #:		30-15-44682												
Vertical Section Azimuth:			270.20		Proposed Direction:		270.20							
Survey Calculation Method:			Minimum Curvature											
PTB:	MD		INC		AZM		TVD		N/S		E/W		VS	
	19,425		88.7		270.2		9108.31		41.94		-10100.7		10100.79	
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance		Azm	DLS/ 100	BUR/ 100'		
136	14,663	87.70	266.40	9185.35	114.71	-5346.41	5346.78	5347.64	271.23	1.28	0.21			
137	14,757	89.10	265.20	9187.97	107.83	-5440.12	5440.46	5441.18	271.14	1.96	1.49			
138	14,852	92.50	265.70	9186.65	100.29	-5534.79	5535.11	5535.70	271.04	3.62	3.58			
139	14,946	88.80	259.70	9185.58	88.36	-5627.97	5628.24	5628.66	270.90	7.50	-3.94			
140	15,041	87.70	261.50	9188.48	72.85	-5721.64	5721.86	5722.11	270.73	2.22	-1.16			
141	15,135	93.20	266.70	9187.74	63.19	-5815.07	5815.26	5815.42	270.62	8.05	5.85			
142	15,230	94.80	268.90	9181.11	59.55	-5909.76	5909.93	5910.06	270.58	2.86	1.68			
143	15,324	93.80	269.80	9174.07	58.49	-6003.49	6003.66	6003.77	270.56	1.43	-1.06			
144	15,419	93.90	270.60	9167.69	58.82	-6098.27	6098.44	6098.56	270.55	0.85	0.11			
145	15,514	93.20	271.10	9161.80	60.23	-6193.08	6193.25	6193.37	270.56	0.90	-0.74			
146	15,609	89.60	269.70	9159.48	60.89	-6288.03	6288.21	6288.33	270.55	4.07	-3.79			
147	15,703	90.30	268.90	9159.57	59.74	-6382.02	6382.19	6382.30	270.54	1.13	0.74			
148	15,798	87.90	265.30	9161.06	54.94	-6476.87	6477.02	6477.10	270.49	4.55	-2.53			
149	15,893	92.60	268.10	9160.64	49.47	-6571.67	6571.81	6571.86	270.43	5.76	4.95			
150	15,988	92.70	267.60	9156.25	45.91	-6666.50	6666.62	6666.66	270.39	0.54	0.11			
151	16,082	93.60	267.60	9151.09	41.98	-6760.28	6760.38	6760.41	270.36	0.96	0.96			
152	16,177	91.50	265.80	9146.86	36.51	-6855.02	6855.10	6855.12	270.31	2.91	-2.21			
153	16,271	91.30	266.90	9144.56	30.53	-6948.80	6948.86	6948.87	270.25	1.19	-0.21			
154	16,367	91.30	269.40	9142.38	27.43	-7044.72	7044.77	7044.77	270.22	2.60	0.00			
155	16,461	92.20	269.70	9139.51	26.70	-7138.67	7138.72	7138.72	270.21	1.01	0.96			
156	16,556	90.50	269.60	9137.28	26.12	-7233.64	7233.68	7233.68	270.21	1.79	-1.79			
157	16,651	92.30	270.10	9134.96	25.87	-7328.60	7328.65	7328.65	270.20	1.97	1.89			
158	16,745	92.20	269.60	9131.26	25.62	-7422.53	7422.57	7422.57	270.20	0.54	-0.11			
159	16,840	92.30	269.60	9127.54	24.96	-7517.45	7517.50	7517.50	270.19	0.11	0.11			
160	16,934	89.10	268.20	9126.39	23.15	-7611.42	7611.45	7611.45	270.17	3.72	-3.40			
161	17,029	88.70	271.20	9128.21	22.66	-7706.39	7706.42	7706.42	270.17	3.19	-0.42			
162	17,123	92.40	268.70	9127.31	22.58	-7800.36	7800.39	7800.39	270.17	4.75	3.94			
163	17,218	92.90	268.90	9122.92	20.59	-7895.24	7895.26	7895.26	270.15	0.57	0.53			
164	17,342	91.90	268.60	9117.72	17.88	-8019.10	8019.11	8019.12	270.13	0.84	-0.81			
165	17,435	90.30	267.70	9115.94	14.88	-8112.03	8112.03	8112.04	270.11	1.97	-1.72			
166	17,529	90.50	270.30	9115.28	13.24	-8206.00	8206.00	8206.01	270.09	2.77	0.21			
167	17,622	92.70	271.10	9112.69	14.38	-8298.95	8298.95	8298.96	270.10	2.52	2.37			
168	17,716	93.10	271.10	9107.93	16.18	-8392.81	8392.82	8392.83	270.11	0.43	0.43			
169	17,809	90.00	272.00	9105.41	18.70	-8485.73	8485.75	8485.75	270.13	3.47	-3.33			

V09.04.02

Company:	Matador Production Company		
Well Name:	David Edelstein State COM 203H		
Location:	Eddy County, NM		
Rig:	Patterson #297	Magnetic Declination:	7.12 REFERENCED TO GRID NORTH
Job Number:	DDMO-180239		
API #:	30-15-44682		
Vertical Section Azimuth:	270.20	Proposed Direction:	270.20
Survey Calculation Method:	Minimum Curvature		

PTB:	MD	INC	AZM	TVD	N/S	E/W	VS				
	19,425	88.7	270.2	9108.31	41.94	-10100.7	10100.79				
#	Depth Feet	Inc Degrees	Azm Degrees	TVD Feet	N/S Feet	E/W Feet	Surface Vert Sec	Closure Distance	Azm	DLS/ 100	BUR/ 100'
170	17,902	89.80	272.50	9105.58	22.35	-8578.66	8578.69	8578.69	270.15	0.58	-0.22
171	17,996	88.90	271.90	9106.64	25.95	-8672.58	8672.62	8672.62	270.17	1.15	-0.96
172	18,089	90.70	272.60	9106.97	29.61	-8765.51	8765.56	8765.56	270.19	2.08	1.94
173	18,182	91.50	272.60	9105.18	33.82	-8858.39	8858.46	8858.46	270.22	0.86	0.86
174	18,275	91.70	269.60	9102.59	35.61	-8951.33	8951.40	8951.40	270.23	3.23	0.22
175	18,369	92.20	269.60	9099.39	34.95	-9045.27	9045.34	9045.34	270.22	0.53	0.53
176	18,462	92.70	269.60	9095.41	34.30	-9138.19	9138.25	9138.25	270.22	0.54	0.54
177	18,555	92.70	269.80	9091.03	33.82	-9231.08	9231.14	9231.14	270.21	0.21	0.00
178	18,649	90.10	271.20	9088.73	34.64	-9325.04	9325.10	9325.10	270.21	3.14	-2.77
179	18,742	88.80	270.90	9089.63	36.34	-9418.02	9418.09	9418.09	270.22	1.43	-1.40
180	18,835	88.40	271.10	9091.90	37.96	-9510.97	9511.05	9511.05	270.23	0.48	-0.43
181	18,929	87.90	270.90	9094.93	39.60	-9604.91	9604.99	9604.99	270.24	0.57	-0.53
182	19,022	89.00	270.30	9097.45	40.58	-9697.87	9697.95	9697.95	270.24	1.35	1.18
183	19,116	87.20	269.60	9100.57	40.50	-9791.81	9791.90	9791.90	270.24	2.05	-1.91
184	19,209	89.00	270.80	9103.65	40.82	-9884.76	9884.84	9884.84	270.24	2.33	1.94
185	19,302	88.70	270.10	9105.52	41.55	-9977.73	9977.82	9977.82	270.24	0.82	-0.32
186	19,351	88.70	270.20	9106.63	41.68	-10026.72	10026.81	10026.81	270.24	0.20	0.00
PTB:	19,425	88.70	270.20	9108.31	41.94	-10100.70	10100.79	10100.79	270.24	0.00	0.00