



Survey Report

Client	Bill Barrett Corporation	MWD Operator	D. Rask / K. Thomas
Well Name	Anschutz Eq Farms 4-62-16-0560 BH	Rig Name	Nabors M-37
Location	Weld County, CO	End Date	9/29/2014
Start Date	9/22/2014	Proposed Direction	196.78

Correction to True North: 8.12

SUR NUM	MD ft	INC °	AZM °	TVD ft	N-S ft	E-W ft	SECT ft	DLS °/100'
TIE IN	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	886	0.1	249.7	886.00	-0.27	-0.73	0.47	0.0
2	979	2.1	292.6	978.98	0.36	-2.37	0.34	2.2
3	1071	4.0	289.8	1070.84	2.09	-6.95	0.00	2.1
4	1164	6.2	286.6	1163.47	4.63	-14.82	-0.15	2.4
5	1257	8.1	281.0	1255.74	7.31	-26.06	0.52	2.2
6	1351	10.1	278.0	1348.56	9.72	-40.73	2.45	2.2
7	1444	11.3	279.2	1439.94	12.32	-57.80	4.89	1.3
8	1538	12.4	279.0	1531.93	15.37	-76.86	7.48	1.2
9	1631	11.5	278.6	1622.92	18.31	-95.88	10.15	1.0
10	1725	12.1	282.1	1714.93	21.78	-114.78	12.28	1.0
11	1818	10.2	277.9	1806.17	24.96	-132.47	14.35	2.2
12	1912	11.2	277.6	1898.54	27.31	-149.77	17.09	1.1
13	2005	12.6	279.2	1989.54	30.12	-168.73	19.87	1.5
14	2099	13.2	276.0	2081.16	32.89	-189.53	23.23	1.0
15	2192	14.3	274.2	2171.50	34.84	-211.54	27.72	1.3
16	2286	15.1	274.3	2262.42	36.60	-235.33	32.89	0.9
17	2379	16.6	276.2	2351.88	38.95	-260.62	37.95	1.7
18	2475	18.3	279.2	2443.46	42.84	-289.13	42.46	2.0
19	2571	20.3	279.6	2534.06	48.03	-320.43	46.53	2.1
20	2666	22.6	281.8	2622.48	54.51	-354.55	50.17	2.6
21	2761	23.6	280.0	2709.86	61.54	-391.15	54.00	1.3
22	2857	23.6	279.6	2797.83	68.09	-429.02	58.67	0.2
23	2953	23.6	278.1	2885.81	74.00	-467.00	63.97	0.6
24	3049	24.3	279.0	2973.54	79.80	-505.53	69.55	0.8
25	3144	24.0	276.9	3060.23	85.17	-544.02	75.51	1.0
26	3240	25.1	276.9	3147.55	89.97	-583.62	82.35	1.1



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27	3335	25.8	278.4	3233.33	95.41	-624.07	88.82	1.0
28	3430	26.5	277.0	3318.60	101.01	-665.56	95.44	1.0
29	3525	26.4	279.1	3403.66	106.93	-707.45	101.86	1.0
30	3622	25.4	278.9	3490.92	113.56	-749.30	107.59	1.0
31	3719	23.0	280.1	3579.39	120.11	-788.52	112.65	2.5
32	3814	22.3	280.4	3667.06	126.61	-824.52	116.81	0.7
33	3909	21.6	279.3	3755.17	132.69	-859.50	121.09	0.9
34	4004	20.3	279.3	3843.89	138.18	-893.02	125.51	1.4
35	4099	19.6	279.8	3933.19	143.56	-924.99	129.60	0.8
36	4195	20.4	281.0	4023.40	149.49	-957.28	133.24	0.9
37	4291	21.8	280.8	4112.96	156.03	-991.21	136.78	1.5
38	4387	21.6	280.9	4202.16	162.71	-1026.07	140.45	0.2
39	4482	19.3	280.1	4291.17	168.77	-1058.71	144.06	2.4
40	4577	19.9	281.3	4380.66	174.69	-1090.02	147.44	0.8
41	4673	18.6	279.6	4471.29	180.44	-1121.14	150.91	1.5
42	4768	17.4	278.0	4561.64	184.95	-1150.14	154.97	1.4
43	4865	17.4	277.2	4654.20	188.78	-1178.89	159.60	0.2
44	4959	16.6	276.3	4744.10	192.02	-1206.18	164.38	0.9
45	5055	13.7	279.4	4836.75	195.38	-1231.04	168.34	3.1
46	5150	11.4	280.0	4929.47	198.85	-1251.38	170.89	2.4
47	5246	9.7	275.9	5023.85	201.33	-1268.77	173.54	1.9
48	5342	7.7	278.5	5118.74	203.11	-1283.18	175.99	2.1
49	5437	6.5	279.4	5213.01	204.93	-1294.78	177.60	1.3
50	5533	5.4	282.2	5308.49	206.77	-1304.56	178.66	1.2
51	5630	4.4	276.9	5405.14	208.18	-1312.71	179.66	1.1
52	5726	3.4	239.5	5500.93	207.18	-1318.82	182.38	2.8
53	5822	2.8	203.9	5596.80	203.59	-1322.22	186.80	2.1



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54	5917	5.5	166.2	5691.55	197.05	-1322.08	193.02	3.9
55	5964	12.2	183.8	5737.97	189.89	-1321.87	199.81	15.2
56	6012	18.4	191.0	5784.25	177.38	-1323.65	212.30	13.5
57	6059	24.3	184.1	5828.02	160.44	-1325.76	229.14	13.6
58	6108	28.6	182.5	5871.88	138.66	-1326.99	250.35	8.9
59	6155	31.2	179.7	5912.62	115.24	-1327.42	272.89	6.3
60	6204	36.9	177.7	5953.20	87.82	-1326.76	298.95	11.9
61	6251	41.3	177.6	5989.67	58.22	-1325.55	326.95	9.4
62	6299	45.4	177.8	6024.57	25.30	-1324.23	358.08	8.5
63	6346	50.4	178.0	6056.07	-9.54	-1322.95	391.07	10.6
64	6394	54.5	177.2	6085.31	-47.55	-1321.35	427.00	8.6
65	6441	59.7	176.8	6110.83	-86.95	-1319.28	464.12	11.1
66	6491	68.1	177.5	6132.81	-131.75	-1317.06	506.38	16.8
67	6539	74.7	178.9	6148.11	-177.20	-1315.65	549.48	14.0
68	6587	78.6	178.1	6159.20	-223.87	-1314.42	593.81	8.3
69	6635	82.0	177.8	6167.28	-271.15	-1312.73	638.59	7.1
70	6683	87.4	177.4	6171.71	-318.89	-1310.73	683.71	11.3
71	6800	90.5	176.7	6173.86	-435.70	-1304.71	793.81	2.7
72	6893	90.3	177.8	6173.21	-528.59	-1300.25	881.46	1.2
73	6987	89.6	179.0	6173.29	-622.55	-1297.62	970.66	1.5
74	7080	90.3	180.4	6173.37	-715.54	-1297.13	1059.55	1.7
75	7174	91.0	182.5	6172.31	-809.50	-1299.51	1150.20	2.4
76	7267	90.2	182.6	6171.33	-902.40	-1303.65	1240.34	0.9
77	7361	90.9	182.3	6170.43	-996.31	-1307.67	1331.41	0.8
78	7455	90.1	182.6	6169.61	-1090.22	-1311.69	1422.48	0.9
79	7549	90.0	181.7	6169.53	-1184.15	-1315.21	1513.43	1.0
80	7643	90.2	183.0	6169.36	-1278.07	-1319.07	1604.46	1.4



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81	7736	90.2	183.5	6169.04	-1370.92	-1324.34	1694.88	0.5
82	7830	90.5	184.2	6168.46	-1464.71	-1330.65	1786.50	0.8
83	7923	90.7	182.9	6167.49	-1557.52	-1336.41	1877.02	1.4
84	8016	89.3	179.6	6167.49	-1650.48	-1338.44	1966.61	3.9
85	8108	90.2	179.3	6167.89	-1742.48	-1337.55	2054.43	1.0
86	8201	91.3	179.1	6166.67	-1835.46	-1336.25	2143.08	1.2
87	8293	90.2	178.7	6165.47	-1927.43	-1334.49	2230.63	1.3
88	8386	90.0	180.6	6165.31	-2020.43	-1333.92	2319.50	2.1
89	8479	89.8	183.3	6165.47	-2113.36	-1337.09	2409.39	2.9
90	8572	90.8	183.8	6164.98	-2206.18	-1342.84	2499.92	1.2
91	8665	89.0	181.7	6165.15	-2299.07	-1347.30	2590.14	3.0
92	8758	90.4	181.3	6165.63	-2392.03	-1349.74	2679.85	1.6
93	8850	90.0	181.1	6165.31	-2484.01	-1351.67	2768.46	0.5
94	8942	89.4	181.1	6165.79	-2575.99	-1353.43	2857.04	0.7
95	9033	91.0	180.8	6165.47	-2666.98	-1354.94	2944.58	1.8
96	9125	89.7	180.5	6164.91	-2758.97	-1355.98	3032.96	1.5
97	9218	91.0	180.1	6164.34	-2851.96	-1356.47	3122.14	1.5
98	9311	89.2	181.0	6164.18	-2944.95	-1357.36	3211.42	2.2
99	9403	91.2	180.8	6163.86	-3036.93	-1358.81	3299.91	2.2
100	9495	87.9	179.3	6164.58	-3128.92	-1358.89	3388.00	3.9
101	9587	89.2	179.1	6166.91	-3220.88	-1357.61	3475.67	1.4
102	9680	88.0	178.4	6169.18	-3313.82	-1355.58	3564.07	1.5
103	9775	89.1	178.4	6171.59	-3408.76	-1352.93	3654.20	1.2
104	9871	91.0	179.0	6171.50	-3504.73	-1350.75	3745.45	2.1
105	9966	90.5	179.7	6170.26	-3599.71	-1349.67	3836.08	0.9
106	10061	90.5	178.4	6169.43	-3694.69	-1348.10	3926.56	1.4
107	10157	90.6	179.3	6168.51	-3790.67	-1346.17	4017.90	0.9



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108	10252	90.4	181.4	6167.68	-3885.66	-1346.75	4109.01	2.2
109	10348	91.5	183.9	6166.09	-3981.53	-1351.19	4202.08	2.8
110	10443	92.9	183.9	6162.44	-4076.24	-1357.64	4294.62	1.5
111	10538	92.9	182.6	6157.64	-4170.96	-1363.02	4386.87	1.4
112	10634	89.9	182.2	6155.29	-4266.84	-1367.04	4479.82	3.2
113	10729	90.3	182.9	6155.12	-4361.74	-1371.27	4571.90	0.8
114	10825	91.3	183.1	6153.78	-4457.60	-1376.29	4665.13	1.1
PTB	10900	91.3	183.1	6152.08	-4532.47	-1380.34	4737.98	0.0