



Directional Survey Report

Company Name: High Point Resources

Well Name: RSU Anshutz FED 04-61-04-0808C

Field: DJ Basin

Rig ID: Cade 23

State/Prov: Colorado

County: Weld

Location: East of Greeley

API/UWI: 05-123-46728

Survey Company: Atlas Drilling Services

Job Number: 00208-HI-CO

Latitude: 40.346060

Longitude: -104.224872

Proposed Azimuth: 89.75

Declination: 7.7

North Reference: True

KB: 4518

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	Northing	Easting	A/B	L/R	GTot	HTot	DipA
Tiein	0	0	0	0	0	0	0	0	0	0			0	0	0
1	149	0.22	341.16	149.00	0.27	-0.09	-0.09	0.15	0.27	-0.09			1.00	0.54	63.72
2	241	0.93	302.64	240.99	0.84	-0.78	-0.77	0.84	0.84	-0.78			1.00	0.56	62.75
3	333	2.08	321.86	332.96	2.56	-2.44	-2.43	1.35	2.56	-2.44			1.00	0.51	67.76
4	425	3.49	323.35	424.85	6.12	-5.14	-5.11	1.53	6.12	-5.14			1.00	0.52	65.39
5	517	5.17	324.99	516.59	11.76	-9.19	-9.14	1.83	11.76	-9.19			1.00	0.53	68.91
6	608	5.52	321.90	607.19	18.56	-14.24	-14.16	0.50	18.56	-14.24			1.00	0.53	67.41
7	700	5.30	319.83	698.78	25.29	-19.71	-19.60	0.32	25.29	-19.71			1.00	0.52	66.97
8	792	5.21	321.02	790.39	31.78	-25.08	-24.94	0.15	31.78	-25.08			1.00	0.53	66.97
9	814	5.26	321.50	812.30	33.35	-26.34	-26.19	0.30	33.35	-26.34			1.00	0.53	66.97
10	885	5.30	319.70	883.00	38.40	-30.49	-30.32	0.24	38.40	-30.49			1.00	0.51	66.27
11	977	6.89	323.88	974.48	46.10	-36.49	-36.29	1.79	46.10	-36.49			1.00	0.53	66.97
12	1070	8.79	325.51	1,066.60	56.46	-43.80	-43.55	2.06	56.46	-43.80			1.00	0.53	66.97
13	1161	10.47	324.59	1,156.32	68.93	-52.53	-52.23	1.85	68.93	-52.53			1.00	0.53	67.06
14	1253	12.33	322.21	1,246.50	83.51	-63.39	-63.03	2.08	83.51	-63.39			1.00	0.53	67.15
15	1345	14.23	320.75	1,336.04	100.03	-76.57	-76.13	2.10	100.03	-76.57			1.00	0.53	66.88
16	1437	15.86	321.55	1,424.88	118.63	-91.54	-91.02	1.79	118.63	-91.54			1.00	0.53	67.15
17	1529	16.88	321.15	1,513.15	138.88	-107.74	-107.13	1.12	138.88	-107.74			1.00	0.53	66.88
18	1624	19.09	319.04	1,603.50	161.36	-126.57	-125.87	2.42	161.36	-126.57			1.00	0.53	67.15
19	1719	20.46	317.32	1,692.90	185.29	-148.02	-147.21	1.57	185.29	-148.02			1.00	0.53	66.80
20	1814	21.48	316.17	1,781.61	210.05	-171.32	-170.40	1.16	210.05	-171.32			1.00	0.53	66.80
21	1909	22.18	317.80	1,869.79	235.88	-195.41	-194.38	0.97	235.88	-195.41			1.00	0.53	66.80
22	2004	22.54	319.87	1,957.65	263.09	-219.19	-218.04	0.91	263.09	-219.19			1.00	0.53	66.80
23	2100	23.33	319.39	2,046.06	291.59	-243.42	-242.15	0.85	291.59	-243.42			1.00	0.53	67.06
24	2196	24.08	321.59	2,133.96	321.37	-267.96	-266.56	1.21	321.37	-267.96			1.00	0.53	66.97
25	2291	25.10	326.62	2,220.36	353.38	-291.09	-289.55	2.45	353.38	-291.09			1.00	0.53	66.80
26	2386	26.34	323.05	2,305.95	387.05	-314.85	-313.16	2.09	387.05	-314.85			1.00	0.53	66.88
27	2481	25.72	320.75	2,391.31	419.86	-340.56	-338.73	1.25	419.86	-340.56			1.00	0.53	67.06
28	2575	25.54	320.14	2,476.06	451.21	-366.46	-364.48	0.34	451.21	-366.46			1.00	0.53	66.97
29	2671	25.67	319.48	2,562.64	482.90	-393.23	-391.12	0.33	482.90	-393.23			1.00	0.53	66.97
30	2765	25.06	318.38	2,647.58	513.26	-419.68	-417.44	0.82	513.26	-419.68			1.00	0.53	67.06
31	2859	23.02	321.72	2,733.42	542.58	-444.29	-441.92	2.61	542.58	-444.29			1.00	0.53	66.88
32	2954	21.96	320.58	2,821.20	570.88	-467.08	-464.58	1.21	570.88	-467.08			1.00	0.53	66.97
33	3049	22.85	318.99	2,909.02	598.52	-490.46	-487.85	1.13	598.52	-490.46			1.00	0.53	66.97

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	Northing	Easting	A/B	L/R	GTot	HTot	DipA
34	3144	23.07	318.82	2,996.50	626.45	-514.82	-512.08	0.24	626.45	-514.82			1.00	0.53	67.06
35	3238	24.53	320.75	3,082.50	655.42	-539.30	-536.43	1.76	655.42	-539.30			1.00	0.53	67.06
36	3333	27.66	323	3,167.81	688.32	-565.05	-562.04	3.45	688.32	-565.05			1.00	0.53	66.97
37	3428	29.96	322.96	3,251.05	724.87	-592.61	-589.45	2.42	724.87	-592.61			1.00	0.53	66.80
38	3522	29.21	322.12	3,332.79	761.71	-620.84	-617.51	0.91	761.71	-620.84			-9999	0.53	66.97
39	3617	27.40	321.33	3,416.43	797.07	-648.73	-645.25	1.95	797.07	-648.73			1.00	0.53	66.88
40	3712	25.45	318.95	3,501.50	829.54	-675.80	-672.17	2.34	829.54	-675.80			1.00	0.53	66.88
41	3807	25.01	319.48	3,587.44	860.20	-702.25	-698.49	0.52	860.20	-702.25			1.00	0.53	66.88
42	3901	23.99	319.39	3,672.97	889.81	-727.60	-723.71	1.09	889.81	-727.60			1.00	0.53	67.06
43	3996	19.84	319.56	3,761.09	916.75	-750.64	-746.63	4.37	916.75	-750.64			1.00	0.53	66.80
44	4092	19.31	320.45	3,851.54	941.39	-771.31	-767.20	0.63	941.39	-771.31			1.00	0.53	66.80
45	4186	17.50	317.85	3,940.73	963.85	-790.69	-786.48	2.11	963.85	-790.69			1.00	0.53	67.15
46	4281	16.48	316.48	4,031.58	984.21	-809.56	-805.26	1.15	984.21	-809.56			-9999	-9999	-9999
47	4376	15.29	316.83	4,122.95	1,003.12	-827.41	-823.02	1.26	1,003.12	-827.41			1.00	0.53	67.15
48	4471	12.99	316.92	4,215.07	1,020.06	-843.27	-838.81	2.42	1,020.06	-843.27			1.00	0.53	67.06
49	4566	11.40	321.55	4,307.93	1,035.21	-856.40	-851.88	1.96	1,035.21	-856.40			1.00	0.53	67.15
50	4661	10.21	323.58	4,401.24	1,049.34	-867.24	-862.66	1.31	1,049.34	-867.24			1.00	0.53	67.06
51	4757	9.24	324.81	4,495.86	1,062.49	-876.74	-872.09	1.03	1,062.49	-876.74			1.00	0.53	67.06
52	4852	9.41	323.84	4,589.60	1,074.99	-885.71	-881.01	0.24	1,074.99	-885.71			1.00	0.53	67.06
53	4947	7.91	326.57	4,683.52	1,086.71	-893.90	-889.15	1.64	1,086.71	-893.90			-9999	-9999	-9999
54	5043	6.58	327.54	4,778.75	1,096.87	-900.49	-895.69	1.39	1,096.87	-900.49			1.00	0.53	66.97
55	5138	5.52	323.66	4,873.22	1,105.14	-906.12	-901.29	1.20	1,105.14	-906.12			-9999	-9999	-9999
56	5234	4.46	324.81	4,968.85	1,111.91	-911.01	-906.15	1.11	1,111.91	-911.01			-9999	-9999	-9999
57	5329	3.93	324.06	5,063.60	1,117.57	-915.04	-910.16	0.56	1,117.57	-915.04			1.00	0.53	-9999
58	5424	3.36	323.93	5,158.41	1,122.45	-918.59	-913.69	0.60	1,122.45	-918.59			1.00	0.53	67.24
59	5520	2.83	328.20	5,254.27	1,126.74	-921.50	-916.57	0.60	1,126.74	-921.50			1.00	0.53	67.15
60	5615	1.06	327.10	5,349.21	1,129.47	-923.21	-918.28	1.86	1,129.47	-923.21			-9999	-9999	-9999
61	5710	0.84	322.25	5,444.20	1,130.76	-924.12	-919.17	0.25	1,130.76	-924.12			1.00	0.53	67.06
62	5805	5.44	79.97	5,539.06	1,132.10	-920.11	-915.16	6.19	1,132.10	-920.11			1.00	0.53	66.88
63	5900	12.24	85.13	5,632.88	1,133.74	-905.62	-900.66	7.20	1,133.74	-905.62			1.00	0.53	67.06
64	5932	14.49	87.55	5,664.01	1,134.20	-898.24	-893.28	7.24	1,134.20	-898.24			1.00	0.53	67.24
65	5995	18.56	88.56	5,724.39	1,134.79	-880.33	-875.37	6.48	1,134.79	-880.33			1.00	0.53	67.32
66	6091	29.74	87.64	5,811.85	1,136.16	-841.15	-836.18	11.65	1,136.16	-841.15			1.00	0.53	67.15
67	6138	35.40	87.15	5,851.45	1,137.31	-815.88	-810.91	12.06	1,137.31	-815.88			1.00	0.53	67.15
68	6185	40.70	85.83	5,888.44	1,139.11	-786.98	-782.00	11.41	1,139.11	-786.98			1.00	0.53	67.15
69	6280	48.87	85.43	5,955.81	1,144.22	-720.31	-715.31	8.61	1,144.22	-720.31			1.00	0.53	67.06
PTB	6346	54.50	87	5,996.72	1,147.61	-668.66	-663.65	8.73	1,147.61	-668.66			0	0	0