

Energen Resources Corporation

Carson #202

Section 5, T30-N, R4-W

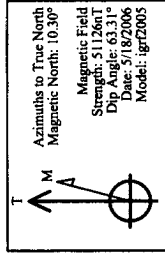
Rio Arriba County, New Mexico

Plan #2 4-24-06

Surf 44815 920fw
R421 1213/5 1505/w
B422 1504/5 2544/w
FUD 3864
M D 5342

WELL DETAILS

Name	+N/S	+E/W	Northing	Easting	Latitude	Longitude	Slot
Carson #202	0.00	0.00	1946807.28	622783.36	36°20'59.00"N	107°24'59.00"W	N/A

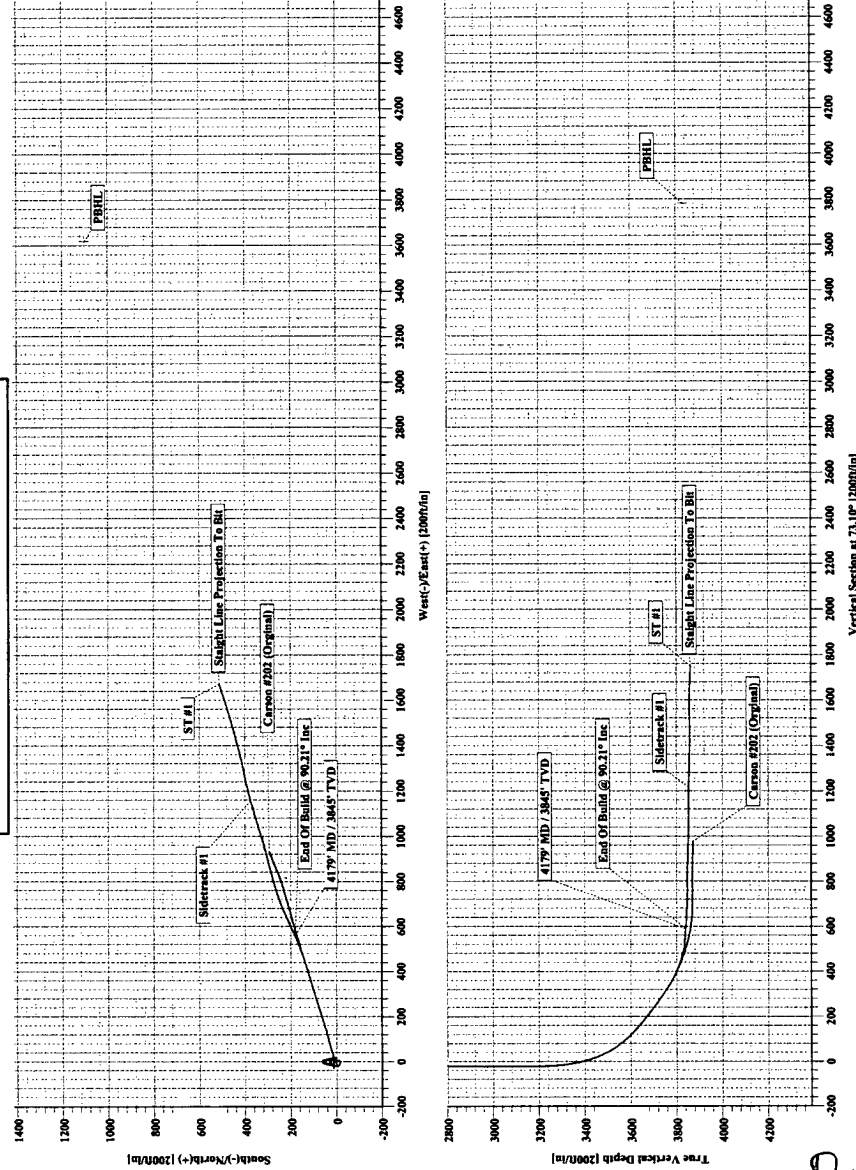


WELLPATH DETAILS

Parent Wellpath:	Sidetrack #1
Tie on MD:	Original
	4007.00
Ref. Datum:	Mean Sea Level
Rig:	0.00ft
V. Section Angle:	Origin
	Starting
	From TVD
	+E/W
	73.10°
	0.00
	0.00

COMPANY DETAILS
Energen Resources Corporation
2108 Bloomfield Hwy
Farmington, NM 87401

Calculation Method: Minimum Curvature
Error System: Systematic Ellipse
Scan Method: Closest Approach 3D
Error Surface: Elliptical Conic
Warning Method: Error Ratio



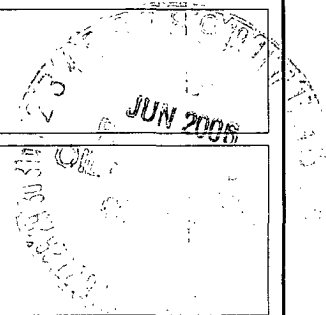
Survey: ST #1 (Carson #202/Sidetrack #1)

No	MD	Inc	Az	TVD	+N/S	+E/W	DLeg	TFace	VSec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	485.00	0.26	50.42	485.00	0.70	0.83	0.05	0.00	1.02
3	921.00	0.79	142.35	920.98	-1.05	3.45	0.19	109.95	2.99
4	1361.00	0.88	176.29	1360.94	-6.82	5.52	0.11	96.95	3.30
5	1783.00	0.88	199.29	1782.89	-13.11	4.66	0.08	101.50	0.64
6	2206.00	1.76	271.96	2205.80	-15.96	-2.91	0.41	101.95	-7.42
7	2629.00	1.32	294.85	2628.65	-13.69	-13.82	0.18	136.65	-17.20
8	3127.00	0.97	352.24	3126.56	-7.10	-19.60	0.23	134.29	-20.81
9	3194.00	1.14	11.30	3193.55	-5.89	-19.54	0.38	73.89	-20.41
10	3225.00	1.58	32.66	3224.54	-5.22	-19.25	2.14	60.05	-19.94
11	3256.00	3.17	52.94	3255.52	-4.15	-18.34	5.72	38.24	-18.81
12	3288.00	5.54	63.93	3287.42	-3.13	-16.24	7.82	24.94	-16.45
13	3319.00	7.83	66.48	3318.21	-1.63	-12.96	7.45	8.63	-12.88
14	3350.00	10.29	66.93	3348.82	0.29	-8.48	7.94	1.87	-8.03
15	3381.00	12.75	68.18	3379.19	2.65	-2.75	7.98	6.41	-1.86
16	3412.00	15.56	69.43	3409.25	5.38	4.32	9.12	6.82	5.70
17	3443.00	19.17	70.95	3438.33	8.51	13.02	11.74	7.89	14.93
18	3475.00	23.83	72.52	3468.60	12.17	24.16	14.67	7.77	26.65
19	3506.00	28.31	73.00	3496.44	16.20	37.17	14.47	2.91	40.27
20	3537.00	32.89	74.28	3523.11	20.63	52.31	14.92	8.65	56.05
21	3569.00	37.11	74.74	3549.32	25.53	70.00	13.21	3.77	74.39
22	3600.00	40.80	75.01	3573.42	30.61	88.81	11.92	2.74	91.87
23	3632.00	44.32	74.98	3596.99	36.21	109.71	11.00	-0.34	115.50
24	3664.00	47.22	74.70	3619.31	42.21	131.84	9.08	-4.06	138.42
25	3696.00	49.68	73.26	3640.53	48.82	154.85	6.39	-24.14	162.36
26	3727.00	51.88	73.49	3660.13	55.69	177.86	7.12	4.70	186.37
27	3757.00	52.58	74.46	3678.51	62.24	200.66	3.46	47.90	210.08
28	3788.00	52.94	72.42	3697.27	69.27	224.31	5.37	-78.12	234.76
29	3820.00	54.69	71.66	3716.16	77.24	248.88	5.79	-19.54	260.38
30	3851.00	55.05	72.85	3734.00	84.96	273.02	5.55	70.04	285.93
31	3882.00	56.45	72.98	3751.44	92.49	297.52	4.53	311.55	311.55
32	3913.00	58.83	73.82	3768.04	99.97	322.61	8.01	16.83	337.74
33	3945.00	61.55	73.97	3783.94	107.67	349.28	8.51	2.78	363.50
34	3976.00	64.37	73.66	3799.03	115.37	375.80	9.14	-5.66	392.10
35	4007.00	67.05	71.52	3813.52	123.07	401.34	13.85	-8.24	424.41
36	4115.00	84.94	69.60	3833.98	156.30	502.31	19.34	-18.03	526.05
37	4145.00	84.91	68.72	3838.63	166.93	530.23	2.92	-92.00	555.86
38	4176.00	85.56	66.16	3841.27	178.78	558.76	8.49	-75.81	586.60
39	4208.00	87.05	65.26	3842.27	191.92	587.87	5.44	-31.11	617.27
40	4239.00	86.79	63.46	3844.94	204.83	616.00	1.06	-12.46	648.59
41	4271.00	85.56	65.62	3847.07	218.05	645.06	3.88	172.61	680.59
42	4302.00	88.46	67.26	3848.69	230.42	673.44	10.74	29.50	711.34
43	4334.00	90.22	69.11	3849.06	242.31	703.14	17.98	46.44	742.22
44	4366.00	90.75	72.68	3848.79	252.78	733.17	12.89	73.37	773.19
45	4398.00	90.57	71.53	3848.42	262.66	763.81	1.18	-97.70	807.18
46	4430.00	89.05	75.30	3848.52	271.84	794.45	13.23	111.03	839.17
47	4462.00	87.14	74.31	3849.59	280.22	825.32	6.72	-152.63	871.13
48	4493.00	88.11	75.58	3850.87	288.27	855.23	5.15	52.63	902.99
49	4525.00	88.46	76.45	3851.83	296.00	885.44	1.93	68.17	934.94
50	4557.00	88.55	75.87	3852.61	303.17	915.38	1.96	-81.18	965.98
51	4587.00	88.55	74.54	3853.42	311.34	946.31	4.15	-90.02	995.95
52	4618.00	89.16	73.73	3854.04	319.81	976.12	3.27	-53.02	1026.94
53	4650.00	89.52	73.13	3854.41	328.94	1006.79	2.19	-59.04	1058.94
54	4682.00	89.34	72.68	3854.76	337.01	1037.26	0.86	-64.44	1090.94
55	4714.00	89.34	73.76	3855.10	345.00	1068.19	0.00	105.00	1122.93
56	4746.00	90.13	72.65	3855.24	356.25	1098.82	4.26	-54.56	1154.93
57	4777.00	89.52	73.79	3855.34	365.20	1128.50	4.17	118.15	1185.93
58	4809.00	88.99	74.23	3855.76	374.01	1159.26	2.15	140.31	1217.92
59	4841.00	88.81	75.08	3856.16	382.93	1190.00	0.86	-64.44	1249.92
60	4872.00	88.55	73.58	3857.08	389.12	1220.40	4.02	102.05	1281.91
61	4904.00	88.37	78.09	3857.94	395.86	1251.67	1.69	109.45	1313.69
62	4935.00	88.64	78.24	3858.75	402.22	1282.00	1.00	29.05	1345.56
63	4967.00	89.08	77.84	3859.39	408.85	1312.29	1.86	-42.27	1377.43
64	4999.00	88.99	76.70	3859.95	415.48	1342.56	3.77	-73.43	1409.30
65	5030.00	89.43	76.63	3860.56	423.04	1374.67	1.43	-64.44	1441.28
66	5062.00	90.13	75.23	3860.48	430.81	1405.71	4.95	-63.76	1473.24
67	5094.00	90.40	74.73	3860.33	439.11	1436.61	1.78	-61.63	1505.22
68	5126.00	91.01	74.33	3859.94	447.64	1467.45	2.28	-33.25	1537.21
69	5157.00	91.28	73.77	3859.52	456.00	1498.24	1.83	-64.44	1569.19
70	5189.00	88.99	73.70	3859.24	464.86	1529.04	7.37	-166.02	1597.19
71	5219.00	88.29	73.11	3859.95	473.42	1559.79	3.05	-139.89	1627.18
72	5250.00	88.20	72.21	3860.90	482.66	1590.36	2.92	-95.73	1658.16
73	5271.00	88.02	71.93	3861.60	491.33	1620.93	1.58	-122.75	1689.15
74	5342.00	88.02	71.93	3864.05	511.13	1673.79	0.00	180.00	1750.09

Vertical Section at 73.10° (1000'/in)

Pathfinder Energy

Survey Report

Company: Energen Resources Corporation Field: Carson Site: Carson #202 Well: Carson #202 Wellpath: Sidetrack #1				Date: 6/7/2006 Co-ordinate(NE) Reference: Well: Carson #202, True North Vertical (TVD) Reference: System: Mean Sea Level Section (VS) Reference: Well (0.00N,0.00E,73.10Azi) Survey Calculation Method: Minimum Curvature				Time: 14:26:35 Page: 1 Db: Sybase		
Field: Carson Rio Arriba County, NM										
Map System: US State Plane Coordinate System 1927 Geo Datum: NAD27 (Clarke 1866) Sys Datum: Mean Sea Level					Map Zone: New Mexico, Western Zone Coordinate System: Well Centre Geomagnetic Model: igrf2005					
Site: Carson #202 Rio Arriba County, NM										
Site Position: From: Lease Line Position Uncertainty: 0.00 ft Ground Level: 7090.00 ft		Northing: Easting:		Latitude: Longitude: North Reference: True Grid Convergence: 0.25 deg						
Well: Carson #202										
Well Position: +N/-S 0.00 ft +E/-W 0.00 ft Position Uncertainty: 0.00 ft		Northing: 1946807.28 ft Easting: 622783.36 ft		Latitude: 36 20 59.000 N Longitude: 107 24 59.000 W						
Wellpath: Sidetrack #1										
Current Datum: Mean Sea Level Magnetic Data: 5/18/2006 Field Strength: 51126 nT Vertical Section: Depth From (TVD) ft		Height: 0.00 ft +N/-S ft		Drilled From: Original Tie-on Depth: 4007.00 ft Above System Datum: Mean Sea Level Declination: 10.30 deg Mag Dip Angle: 63.31 deg +E/-W: Direction deg						
0.00		0.00		0.00		73.10				
Survey: ST #1										
Company: Pathfinder Energy Tool:		Start Date: 6/7/2006 Engineer: Midwellplan Tied-to: From Surface								
Survey: ST #1										
MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
485.00	0.26	50.42	485.00	0.70	0.85	1.02	0.05	0.05	0.00	
921.00	0.79	142.35	920.98	-1.05	3.45	2.99	0.19	0.12	21.08	
1361.00	0.88	176.29	1360.94	-6.82	5.52	3.30	0.11	0.02	7.71	
1783.00	0.88	199.29	1782.89	-13.11	4.66	0.64	0.08	0.00	5.45	
2206.00	1.76	271.96	2205.80	-15.96	-2.91	-7.42	0.41	0.21	17.18	
2629.00	1.32	294.85	2628.65	-13.69	-13.82	-17.20	0.18	-0.10	5.41	
3127.00	0.97	352.24	3126.56	-7.10	-19.60	-20.81	0.23	-0.07	11.52	
3194.00	1.14	11.30	3193.55	-5.89	-19.54	-20.41	0.58	0.25	28.45	
3225.00	1.58	32.66	3224.54	-5.22	-19.25	-19.94	2.14	1.42	68.90	
3256.00	3.17	52.94	3255.52	-4.35	-18.34	-18.81	5.72	5.13	65.42	
3288.00	5.54	63.93	3287.42	-3.13	-16.24	-16.45	7.82	7.41	34.34	
3319.00	7.83	66.48	3318.21	-1.63	-12.96	-12.88	7.45	7.39	8.23	
3350.00	10.29	66.93	3348.82	0.29	-8.48	-8.03	7.94	7.94	1.45	
3381.00	12.75	68.18	3379.19	2.65	-2.75	-1.86	7.98	7.94	4.03	
3412.00	15.56	69.43	3409.25	5.38	4.32	5.70	9.12	9.06	4.03	
3443.00	19.17	70.95	3438.83	8.51	13.02	14.93	11.74	11.65	4.90	
3475.00	23.83	72.52	3468.60	12.17	24.16	26.65	14.67	14.56	4.91	
3506.00	28.31	73.00	3496.44	16.20	37.17	40.27	14.47	14.45	1.55	
3537.00	32.89	74.28	3523.11	20.63	52.31	56.05	14.92	14.77	4.13	
3569.00	37.11	74.74	3549.32	25.53	70.00	74.39	13.21	13.19	1.44	
3600.00	40.80	75.01	3573.42	30.61	88.81	93.87	11.92	11.90	0.87	
3632.00	44.32	74.98	3596.99	36.21	109.71	115.50	11.00	11.00	-0.09	
3664.00	47.22	74.70	3619.31	42.21	131.84	138.42	9.08	9.06	-0.87	

Pathfinder Energy

Survey Report

Company: Energen Resources Corporation
Field: Carson
Site: Carson #202
Well: Carson #202
Wellpath: Sidetrack #1

Date: 6/7/2006 **Time:** 14:26:35 **Page:** 2
Co-ordinate(NE) Reference: Well: Carson #202, True North
Vertical (TVD) Reference: System: Mean Sea Level
Section (VS) Reference: Well (0.00N,0.00E,73.10Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

Survey: ST #1

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
3696.00	49.68	73.26	3640.53	48.82	154.85	162.36	8.39	7.69	-4.50	
3727.00	51.88	73.49	3660.13	55.69	177.86	186.37	7.12	7.10	0.74	
3757.00	52.58	74.46	3678.51	62.24	200.66	210.08	3.46	2.33	3.23	
3788.00	52.94	72.42	3697.27	69.27	224.31	234.76	5.37	1.16	-6.58	
3820.00	54.69	71.66	3716.16	77.24	248.88	260.58	5.79	5.47	-2.37	
3851.00	55.05	72.85	3734.00	84.96	273.02	285.93	3.35	1.16	3.84	
3882.00	56.45	72.98	3751.44	92.49	297.52	311.55	4.53	4.52	0.42	
3913.00	58.83	73.82	3768.04	99.97	322.61	337.74	8.01	7.68	2.71	
3945.00	61.55	73.97	3783.94	107.67	349.28	365.50	8.51	8.50	0.47	
3976.00	64.37	73.66	3798.03	115.37	375.80	393.10	9.14	9.10	-1.00	
4083.00	79.05	71.52	3831.52	145.76	472.44	494.41	13.85	13.72	-2.00	
4115.00	84.94	69.60	3835.98	156.30	502.31	526.05	19.34	18.41	-6.00	
4145.00	84.91	68.72	3838.63	166.93	530.23	555.86	2.92	-0.10	-2.93	
4176.00	85.56	66.16	3841.21	178.78	558.76	586.60	8.49	2.10	-8.26	
4208.00	87.05	65.26	3843.27	191.92	587.87	618.27	5.44	4.66	-2.81	
4239.00	86.79	65.46	3844.94	204.83	616.00	648.94	1.06	-0.84	0.65	
4271.00	85.56	65.62	3847.07	218.05	645.06	680.59	3.88	-3.84	0.50	
4302.00	88.46	67.26	3848.69	230.42	673.44	711.34	10.74	9.35	5.29	
4334.00	90.22	69.11	3849.06	242.31	703.14	743.22	7.98	5.50	5.78	
4366.00	90.75	72.68	3848.79	252.78	733.37	775.19	11.28	1.66	11.16	
4398.00	90.57	71.35	3848.42	262.66	763.81	807.18	4.19	-0.56	-4.16	
4430.00	89.05	75.30	3848.52	271.84	794.45	839.17	13.23	-4.75	12.34	
4462.00	87.14	74.31	3849.59	280.22	825.32	871.13	6.72	-5.97	-3.09	
4493.00	88.11	75.58	3850.87	288.27	855.23	902.09	5.15	3.13	4.10	
4525.00	88.46	76.45	3851.83	296.00	886.26	934.04	2.93	1.09	2.72	
4555.00	88.55	75.87	3852.61	303.17	915.38	963.98	1.96	0.30	-1.93	
4587.00	88.55	74.54	3853.42	311.34	946.31	995.95	4.15	0.00	-4.16	
4618.00	89.16	73.73	3854.04	319.81	976.12	1026.94	3.27	1.97	-2.61	
4650.00	89.52	73.13	3854.41	328.94	1006.79	1058.94	2.19	1.12	-1.87	
4682.00	89.34	73.76	3854.73	338.05	1037.46	1090.93	2.05	-0.56	1.97	
4714.00	89.34	73.76	3855.10	347.00	1068.19	1122.93	0.00	0.00	0.00	
4746.00	90.13	72.65	3855.24	356.25	1098.82	1154.93	4.26	2.47	-3.47	
4777.00	89.52	73.79	3855.34	365.20	1128.50	1185.93	4.17	-1.97	3.68	
4809.00	88.99	74.23	3855.76	374.01	1159.26	1217.92	2.15	-1.66	1.37	
4841.00	88.81	76.36	3856.37	382.13	1190.20	1249.89	6.68	-0.56	6.66	
4872.00	88.55	77.58	3857.08	389.12	1220.40	1280.81	4.02	-0.84	3.94	
4904.00	88.37	78.09	3857.94	395.86	1251.67	1312.69	1.69	-0.56	1.59	
4935.00	88.64	78.24	3858.75	402.22	1282.00	1343.56	1.00	0.87	0.48	
4967.00	89.08	77.84	3859.39	408.85	1313.29	1375.43	1.86	1.37	-1.25	
4999.00	88.99	76.70	3859.93	415.90	1344.50	1407.34	3.57	-0.28	-3.56	
5030.00	89.43	76.65	3860.36	423.04	1374.67	1438.28	1.43	1.42	-0.16	
5062.00	90.13	75.23	3860.48	430.81	1405.71	1470.24	4.95	2.19	-4.44	
5094.00	90.40	74.73	3860.33	439.11	1436.61	1502.22	1.78	0.84	-1.56	
5126.00	91.01	74.33	3859.94	447.64	1467.45	1534.21	2.28	1.91	-1.25	
5157.00	91.28	74.27	3859.32	456.03	1497.29	1565.19	0.89	0.87	-0.19	
5189.00	88.99	73.70	3859.24	464.86	1528.04	1597.19	7.37	-7.16	-1.78	
5219.00	88.29	73.11	3859.95	473.42	1556.79	1627.18	3.05	-2.33	-1.97	
5250.00	88.20	72.21	3860.90	482.66	1586.36	1658.16	2.92	-0.29	-2.90	
5271.00	88.02	71.93	3861.60	489.12	1606.33	1679.15	1.58	-0.86	-1.33	
5342.00	88.02	71.93	3864.05	511.13	1673.79	1750.09	0.00	0.00	0.00	