

Scientific Drilling International  
Survey Completion Report

Company: Evergreen Resources Inc.	Date: 2/18/2005	Time: 13:54:14	Page: 1
Field: Rio Blanco County, CO	Co-ordinate(NE) Reference: Site: Banta Ridge Federal 3-17-1-103		
Site: Banta Ridge Federal 3-17-1-103	Vertical (TVD) Reference: SITE 5654.0		
Well: #3-17-1-103	Section (VS) Reference: Well (0.00N,0.00E,242.90Azi)		
Wellpath: OH	Survey Calculation Method: Minimum Curvature Db: Sybase		

Survey: Survey #1                      Start Date: 10/5/2004

Company: Scientific Drilling	Engineer: Jeff Bayert/Elton
Tool: MWD;	Tied-to: From Surface

Field: Rio Blanco County, CO

Map System:	Map Zone:
Geo Datum:	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: igrf2000

Site: Banta Ridge Federal 3-17-1-103  
SHL: Sec. 17, T1S, R103W; 880' FSL, 2430' FWL  
PBHL: 660' FSL, 2000' FWL

Site Position:	Northing:	ft	Latitude:
From: Lease Line	Easting:	ft	Longitude:

Position Uncertainty: 0.00 ft North Reference: True  
Ground Level: 5654.00 ft Grid Convergence: -2.25 deg

Well: #3-17-1-103 Slot Name:

Well Position: +N/-S 0.00 ft Northing: 246096.98 ft Latitude:  
+E/-W 0.00 ft Easting : 1024666.85 ft Longitude:  
Position Uncertainty: 0.00 ft

Wellpath: OH Drilled From: Surface  
Tie-on Depth: 0.00 ft  
Current Datum: SITE Height 5654.00 ft Above System Datum: Mean Sea Level  
Magnetic Data: 9/13/2004 Declination: 11.99 deg  
Field Strength: 53229 nT Mag Dip Angle: 66.17 deg  
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction  
ft ft ft deg  
0.00 0.00 0.00 242.90

# Survey

Meas Depth	Inclination	Azimuth	TVD	Vert Sect	N/S	E/W	DLS	CLen	CLSD	CLsA
ft	deg	deg	ft	ft	deg/100ft	ft	deg			
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.00	0.15	222.10	337.00	0.41	-0.33	-0.30	0.04	337.00	0.44	222.10
368.00	0.26	173.90	368.00	0.48	-0.43	-0.32	0.63	31.00	0.53	216.44
399.00	0.65	267.20	399.00	0.66	-0.51	-0.48	2.30	31.00	0.70	223.71
430.00	2.00	258.10	429.99	1.34	-0.63	-1.19	4.39	31.00	1.34	242.22
461.00	2.10	271.90	460.97	2.36	-0.72	-2.29	1.62	31.00	2.40	252.54
492.00	4.90	264.10	491.91	4.09	-0.84	-4.17	9.14	31.00	4.25	258.66
522.00	5.50	261.20	521.79	6.65	-1.19	-6.87	2.18	30.00	6.97	260.19

552.00	6.10	262.90	551.63	9.52	-1.60	-9.87	2.08	30.00	10.00	260.76
584.00	6.60	261.20	583.44	12.86	-2.10	-13.37	1.67	32.00	13.54	261.09
615.00	6.80	260.90	614.22	16.30	-2.66	-16.95	0.65	31.00	17.15	261.08
646.00	7.24	258.80	644.99	19.92	-3.33	-20.67	1.64	31.00	20.94	260.85
677.00	7.70	257.00	675.73	23.81	-4.18	-24.61	1.66	31.00	24.97	260.37
708.00	8.20	257.10	706.43	27.97	-5.14	-28.79	1.61	31.00	29.25	259.89
737.00	8.42	257.14	735.13	32.03	-6.07	-32.88	0.76	29.00	33.43	259.54
768.00	9.12	253.70	765.76	36.65	-7.26	-37.45	2.82	31.00	38.15	259.02
799.00	10.10	249.20	796.33	41.76	-8.92	-42.35	3.98	31.00	43.28	258.11
830.00	11.36	246.23	826.79	47.51	-11.12	-47.68	4.44	31.00	48.96	256.88
862.00	12.27	242.70	858.11	54.06	-13.95	-53.59	3.63	32.00	55.37	255.41
892.00	12.94	237.70	887.39	60.59	-17.20	-59.26	4.27	30.00	61.71	253.81
923.00	13.47	234.30	917.57	67.62	-21.16	-65.13	3.03	31.00	68.48	252.00
954.00	12.66	233.90	947.76	74.54	-25.27	-70.80	2.63	31.00	75.18	250.36
985.00	11.75	232.50	978.06	81.00	-29.20	-76.05	3.09	31.00	81.47	249.00
1016.00	12.01	229.90	1008.40	87.25	-33.20	-81.03	1.92	31.00	87.56	247.72

## Survey Completion Report

Company: Evergreen Resources Inc.	Date: 2/18/2005	Time: 13:54:14	Page: 2
Field: Rio Blanco County, CO	Co-ordinate(NE) Reference: Site: Banta Ridge Federal 3-17-1-103		
Site: Banta Ridge Federal 3-17-1-103	Vertical (TVD) Reference: SITE 5654.0		
Well: #3-17-1-103	Section (VS) Reference: Well (0.00N,0.00E,242.90Azi)		
Wellpath: OH	Survey Calculation Method: Minimum Curvature		Db: Sybase

### Survey

<u>Meas Depth</u> ft	<u>Incl</u> deg	<u>Azimuth</u> deg	<u>TVD</u> ft	<u>Vert Sect</u> ft	<u>N/S</u> ft	<u>E/W</u> ft	<u>DLS</u> deg/ 100ft	<u>CLen</u> ft	ClsD ft	ClsA deg
1047.00	12.27	233.00	1038.71	93.64	-37.26	-86.12	2.26	31.00	93.84	246.61
1078.00	12.14	238.73	1069.01	100.14	-40.93	-91.54	3.93	31.00	100.27	245.91
1110.00	11.46	243.50	1100.33	106.67	-44.09	-97.26	3.71	32.00	106.79	245.61
1140.00	10.96	245.21	1129.76	112.50	-46.62	-102.52	2.00	30.00	112.62	245.55
1171.00	10.34	242.81	1160.22	118.23	-49.13	-107.67	2.46	31.00	118.35	245.47
1203.00	9.82	239.42	1191.73	123.82	-51.83	-112.57	2.46	32.00	123.93	245.28
1234.00	9.36	239.95	1222.30	128.98	-54.44	-117.03	1.51	31.00	129.07	245.06
1265.00	9.17	242.58	1252.89	133.97	-56.83	-121.40	1.50	31.00	134.05	244.91
1296.00	9.08	242.77	1283.50	138.88	-59.09	-125.77	0.31	31.00	138.96	244.83
1326.00	9.38	241.18	1313.11	143.69	-61.35	-130.02	1.31	30.00	143.77	244.74
1357.00	10.02	240.03	1343.67	148.91	-63.92	-134.57	2.16	31.00	148.98	244.59
1389.00	10.17	236.83	1375.17	154.50	-66.85	-139.34	1.81	32.00	154.55	244.37
1419.00	10.06	235.90	1404.71	159.74	-69.77	-143.73	0.66	30.00	159.77	244.11
1450.00	10.25	240.09	1435.22	165.18	-72.67	-148.36	2.46	31.00	165.20	243.91
1480.00	10.59	247.10	1464.73	170.59	-75.07	-153.22	4.37	30.00	170.62	243.90

1511.00	10.64	249.79	1495.20	176.28	-77.17	-158.53	1.61	31.00	176.31	244.04
1542.00	10.53	248.80	1525.67	181.93	-79.18	-163.85	0.69	31.00	181.98	244.21
1573.00	10.80	246.44	1556.14	187.65	-81.37	-169.16	1.66	31.00	187.71	244.31
1604.00	11.59	246.41	1586.55	193.66	-83.77	-174.67	2.55	31.00	193.72	244.38
1635.00	11.70	245.71	1616.91	199.91	-86.31	-180.39	0.58	31.00	199.98	244.43
1666.00	11.49	245.60	1647.27	206.13	-88.88	-186.07	0.68	31.00	206.21	244.47
1697.00	11.54	246.21	1677.65	212.31	-91.41	-191.72	0.42	31.00	212.39	244.51
1728.00	11.85	246.10	1708.01	218.58	-93.95	-197.47	1.00	31.00	218.67	244.56
1759.00	12.33	244.30	1738.32	225.07	-96.67	-203.36	1.97	31.00	225.17	244.57
1790.00	12.89	243.00	1768.57	231.84	-99.68	-209.42	2.03	31.00	231.93	244.55
1821.00	12.91	241.36	1798.79	238.76	-102.91	-215.54	1.18	31.00	238.85	244.48
1853.00	11.92	236.27	1830.04	245.61	-106.46	-221.43	4.61	32.00	245.69	244.32
1885.00	10.65	230.41	1861.42	251.78	-110.17	-226.46	5.34	32.00	251.83	244.06
1916.00	9.63	229.35	1891.94	257.10	-113.69	-230.63	3.34	31.00	257.13	243.76
1948.00	9.56	229.50	1923.49	262.29	-117.16	-234.68	0.23	32.00	262.30	243.47
1977.00	9.94	231.92	1952.07	267.09	-120.27	-238.48	1.93	29.00	267.09	243.24
2009.00	10.51	231.58	1983.56	272.66	-123.78	-242.94	1.79	32.00	272.66	243.00
2040.00	10.67	229.00	2014.04	278.22	-127.42	-247.32	1.61	31.00	278.22	242.74
2070.00	10.38	234.06	2043.53	283.59	-130.83	-251.61	3.23	30.00	283.59	242.53
2101.00	10.48	237.29	2074.02	289.15	-133.99	-256.24	1.91	31.00	289.16	242.39
2131.00	10.35	237.29	2103.53	294.55	-136.93	-260.81	0.43	30.00	294.56	242.30
2162.00	10.59	241.10	2134.01	300.17	-139.81	-265.64	2.36	31.00	300.19	242.24
2192.00	10.86	244.20	2163.49	305.75	-142.37	-270.60	2.12	30.00	305.77	242.25
2254.00	11.35	248.20	2224.33	317.66	-147.18	-281.52	1.47	62.00	317.67	242.40
2285.00	11.81	246.00	2254.70	323.87	-149.60	-287.25	2.06	31.00	323.88	242.49

2317.00	12.70	242.50	2285.97	330.65	-152.56	-293.37	3.62	32.00	330.66	242.52
2347.00	13.00	242.10	2315.21	337.33	-155.66	-299.27	1.04	30.00	337.33	242.52
2379.00	12.47	242.10	2346.43	344.38	-158.96	-305.51	1.66	32.00	344.39	242.51
2410.00	11.26	241.40	2376.76	350.75	-161.97	-311.12	3.93	31.00	350.76	242.50
2441.00	10.73	239.90	2407.20	356.66	-164.87	-316.28	1.94	31.00	356.67	242.47
2472.00	10.49	239.80	2437.67	362.36	-167.74	-321.21	0.78	31.00	362.37	242.43
2503.00	11.09	238.60	2468.12	368.15	-170.71	-326.20	2.07	31.00	368.17	242.38
2534.00	11.41	239.75	2498.52	374.18	-173.81	-331.39	1.26	31.00	374.20	242.32
2565.00	11.56	239.93	2528.90	380.35	-176.91	-336.73	0.50	31.00	380.37	242.28
2596.00	11.10	242.80	2559.30	386.43	-179.83	-342.07	2.35	31.00	386.46	242.27
2625.00	10.80	245.60	2587.77	391.94	-182.23	-347.03	2.11	29.00	391.96	242.30
2656.00	10.90	246.30	2618.22	397.77	-184.61	-352.35	0.53	31.00	397.79	242.35

Scientific Drilling International  
Survey Completion Report

Company: Evergreen Resources Inc.  
Field: Rio Blanco County, CO

Date: 2/18/2005 Time: 13:54:14 Page: 3  
Co-ordinate(NE) Reference: Site: Banta Ridge Federal 3-17-1-103

Site: Banta Ridge Federal 3-17-1-103

Vertical (TVD) Reference: SITE 5654.0

Well: #3-17-1-103

Section (VS) Reference: Well (0.00N,0.00E,242.90Azi)

Wellpath: OH

Survey Calculation Method: Minimum Curvature

Db: Sybase

Survey

<u>Meas Depth</u>	<u>Incl</u>	<u>Azimuth</u>	<u>TVD</u>	<u>Vert Sect</u>	<u>N/S</u>	<u>E/W</u>	<u>DLS</u>	<u>CLen</u>	<u>ClSD</u>	<u>ClSA</u>
ft	deg	deg	ft	ft	ft	ft	deg/ 100ft	ft	ft	deg
2687.00	11.20	244.70	2648.64	403.70	-187.07	-357.76	1.38	31.00	403.72	242.40
2718.00	11.13	243.45	2679.05	409.70	-189.69	-363.16	0.81	31.00	409.72	242.42
2749.00	10.80	245.10	2709.49	415.60	-192.25	-368.47	1.47	31.00	415.61	242.45
2780.00	10.55	244.54	2739.95	421.34	-194.70	-373.67	0.87	31.00	421.35	242.48
2811.00	10.35	244.34	2770.44	426.96	-197.12	-378.74	0.66	31.00	426.97	242.50
2861.00	10.10	244.20	2819.64	435.83	-200.98	-386.73	0.50	50.00	435.84	242.54
2874.00	10.10	241.40	2832.44	438.11	-202.02	-388.76	3.78	13.00	438.12	242.54
2906.00	9.65	242.93	2863.97	443.60	-204.58	-393.61	1.63	32.00	443.61	242.54
2937.00	9.30	242.43	2894.54	448.70	-206.92	-398.15	1.16	31.00	448.71	242.54
2968.00	8.80	242.20	2925.16	453.58	-209.19	-402.47	1.62	31.00	453.58	242.54
2999.00	8.75	243.13	2955.80	458.30	-211.36	-406.67	0.49	31.00	458.31	242.54
3029.00	7.70	246.16	2985.49	462.59	-213.20	-410.54	3.79	30.00	462.60	242.56
3060.00	6.77	242.61	3016.24	466.49	-214.88	-414.06	3.33	31.00	466.50	242.57
3092.00	6.61	241.20	3048.02	470.22	-216.64	-417.35	0.72	32.00	470.23	242.57
3123.00	6.33	243.72	3078.82	473.71	-218.26	-420.45	1.29	31.00	473.72	242.57
3153.00	5.98	242.48	3108.65	476.93	-219.71	-423.32	1.25	30.00	476.94	242.57
3184.00	5.25	242.60	3139.50	479.96	-221.11	-426.01	2.36	31.00	479.97	242.57
3216.00	4.10	244.00	3171.40	482.57	-222.28	-428.34	3.61	32.00	482.58	242.57
3248.00	3.20	251.80	3203.33	484.60	-223.06	-430.21	3.21	32.00	484.60	242.59

3279.00	2.97	245.88	3234.29	486.25	-223.66	-431.77	1.27	31.00	486.26	242.62
3310.00	2.50	244.60	3265.25	487.73	-224.28	-433.11	1.53	31.00	487.74	242.62
3341.00	2.00	236.44	3296.23	488.94	-224.87	-434.17	1.91	31.00	488.95	242.62
3373.00	1.35	216.27	3328.21	489.84	-225.48	-434.86	2.71	32.00	489.84	242.59
3404.00	1.31	196.62	3359.20	490.41	-226.12	-435.18	1.47	31.00	490.42	242.54
4250.00	1.31	196.62	4204.98	503.77	-244.65	-440.71	0.00	846.00	504.06	240.96

#### Annotation

MD	TVD	
ft	ft	
4250.00	4204.98	Survey is a Projection



