

Ryan Energy Technologies Inc.

COMPLETION REPORT



Company: ConocoPhillips		Date: 10/10/2005		Time: 10:51:23		Page: 1	
Field: San Juan County, NM		Co-ordinate(NE) Reference:		Site: San Juan 32-7 Unit 220A, Grid Nort			
Site: San Juan 32-7 Unit 220A		Vertical (TVD) Reference:		SITE 0.0			
Well: Well #220A		Section (VS) Reference:		Well (0.00N,0.00E,161.14Azi)			
Wellpath: Original Hole		Survey Calculation Method:		Minimum Curvature		Db: Sybase	

Field: San Juan County, NM New Mexico USA		<i>Surface 680/S 266/W Sec 31 T32N R7W 13 HL 8101N 7581 W " 6 T31N R7W</i>	
Map System: US State Plane Coordinate System 1927		Map Zone: New Mexico, Western Zone	
Geo Datum: NAD27 (Clarke 1866)		Coordinate System: Site Centre	
Sys Datum: Mean Sea Level		Geomagnetic Model: igrf2005	

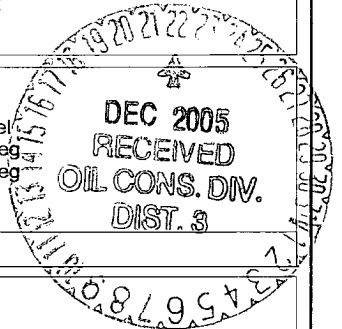
Site: San Juan 32-7 Unit 220A Sec. 31, T32N, R7W San Juan County, NM			
Site Position:	Northing: 2159393.70 ft	Latitude: 36 56 3.192 N	
From: Geographic	Easting: 563250.43 ft	Longitude: 107 37 0.912 W	
Position Uncertainty: 0.00 ft		North Reference: Grid	
Ground Level: 6720.00 ft		Grid Convergence: 0.13 deg	

Well: Well #220A				Slot Name:			
Well Position:	+N/-S 0.00 ft	Northing: 2159393.70 ft	Latitude: 36 56 3.192 N	+E/-W 0.00 ft	Easting: 563250.43 ft	Longitude: 107 37 0.912 W	
Position Uncertainty: 0.00 ft							

Wellpath: Original Hole				Drilled From: Surface			
Current Datum: SITE	Height 0.00 ft	Tie-on Depth: 0.00 ft		Above System Datum: Mean Sea Level			
Magnetic Data: 9/26/2005		Declination: 10.55 deg		Mag Dip Angle: 63.79 deg			
Field Strength: 51498 nT		+E/-W 0.00 ft		Direction deg			
Vertical Section: Depth From (TVD) ft							
0.00	0.00	0.00		161.14			

Survey Program for Definitive Wellpath				Version: 0			
Date: 10/10/2005	Validated: No	Actual From ft	To ft	Survey	Toolcode	Tool Name	
242.00	3715.00	Survey #1 (242.00-3715.00)		MWD		Standard MWD	
3770.00	3770.00	Survey #2 (3770.00-3770.00)		Projection		Projection	

Survey										
MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	Clsr Dist. ft	Clsr Azi. deg	Dog Leg deg/100ft	Tool
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
242.00	0.79	241.99	-1.28	20.99	1.56	0.60	1.67	20.99	0.33	MWD
276.00	0.44	275.99	-1.51	47.89	1.86	0.78	2.02	22.67	1.31	MWD
306.00	0.26	305.99	-1.49	157.75	1.88	0.89	2.08	25.34	1.94	MWD
336.00	1.32	335.99	-1.11	187.46	1.47	0.87	1.71	30.59	3.67	MWD
367.00	2.37	366.97	-0.21	185.00	0.48	0.77	0.91	58.00	3.40	MWD
398.00	3.52	397.93	1.26	182.89	-1.11	0.66	1.29	149.07	3.73	MWD
429.00	4.92	428.84	3.38	183.41	-3.39	0.54	3.43	170.98	4.52	MWD
459.00	6.07	458.71	6.05	182.36	-6.26	0.40	6.27	176.38	3.85	MWD
489.00	7.39	488.50	9.33	181.83	-9.77	0.27	9.77	178.42	4.40	MWD
520.00	8.62	519.20	13.39	180.60	-14.08	0.18	14.09	179.27	4.01	MWD
550.00	9.94	548.80	17.97	179.02	-18.92	0.20	18.92	179.39	4.48	MWD
581.00	11.26	579.27	23.46	174.98	-24.61	0.51	24.62	178.81	4.88	MWD
612.00	12.49	609.61	29.66	173.92	-30.96	1.13	30.98	177.91	4.03	MWD
643.00	13.98	639.79	36.61	171.99	-38.00	2.01	38.06	176.97	5.01	MWD
673.00	15.04	668.83	44.01	170.23	-45.43	3.17	45.54	176.00	3.83	MWD
704.00	15.92	698.70	52.21	167.07	-53.54	4.81	53.75	174.87	3.93	MWD
735.00	17.15	728.42	61.00	165.31	-62.10	6.92	62.48	173.64	4.28	MWD
766.00	18.03	757.97	70.35	163.38	-71.12	9.45	71.74	172.43	3.41	MWD
796.00	19.26	786.40	79.94	162.50	-80.29	12.27	81.22	171.31	4.21	MWD
827.00	20.40	815.56	90.46	161.09	-90.27	15.55	91.60	170.22	3.99	MWD
858.00	21.46	844.51	101.53	161.27	-100.76	19.13	102.56	169.25	3.43	MWD



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Survey

MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	Clsr Dist. ft	Clsr Azi. deg	Dog Leg deg/100ft	Tool
889.00	22.51	873.26	113.13	160.21	-111.71	22.96	114.05	168.39	3.62	MWD
919.00	23.83	900.84	124.94	160.39	-122.82	26.94	125.74	167.63	4.41	MWD
950.00	25.06	929.06	137.76	160.21	-134.90	31.26	138.48	166.95	3.98	MWD
981.00	26.29	957.00	151.19	158.98	-147.49	35.95	151.80	166.30	4.32	MWD
1012.00	27.52	984.64	165.20	157.75	-160.53	41.12	165.71	165.63	4.35	MWD
1042.00	28.49	1011.13	179.26	158.28	-173.59	46.39	179.68	165.04	3.34	MWD
1073.00	29.70	1038.22	194.32	158.60	-187.61	51.93	194.66	164.53	3.94	MWD
1105.00	31.22	1065.80	210.53	158.98	-202.73	57.80	210.81	164.09	4.79	MWD
1136.00	32.18	1092.17	226.81	159.51	-217.96	63.57	227.04	163.74	3.22	MWD
1167.00	33.15	1118.27	243.54	160.04	-233.66	69.35	243.74	163.47	3.26	MWD
1198.00	33.59	1144.16	260.58	160.74	-249.72	75.08	260.77	163.27	1.89	MWD
1228.00	34.03	1169.09	277.28	160.91	-265.49	80.56	277.44	163.12	1.50	MWD
1258.00	34.29	1193.91	294.12	161.27	-281.43	86.02	294.28	163.00	1.10	MWD
1289.00	34.91	1219.43	311.73	161.97	-298.13	91.57	311.88	162.93	2.38	MWD
1321.00	35.00	1245.65	330.06	162.15	-315.57	97.21	330.21	162.88	0.43	MWD
1352.00	35.88	1270.91	348.03	162.85	-332.72	102.62	348.18	162.86	3.13	MWD
1383.00	36.40	1295.95	366.30	163.20	-350.20	107.96	366.47	162.87	1.80	MWD
1415.00	36.84	1321.63	385.37	163.55	-368.49	113.42	385.55	162.89	1.52	MWD
1445.00	37.11	1345.60	403.40	162.85	-385.77	118.63	403.60	162.91	1.67	MWD
1476.00	37.20	1370.30	422.12	163.55	-403.69	124.04	422.32	162.92	1.39	MWD
1508.00	37.20	1395.79	441.45	163.38	-422.24	129.55	441.67	162.94	0.32	MWD
1539.00	37.46	1420.44	460.23	163.55	-440.26	134.90	460.46	162.96	0.90	MWD
1570.00	37.64	1445.02	479.10	163.73	-458.39	140.22	479.36	162.99	0.68	MWD
1602.00	38.51	1470.21	498.82	163.90	-477.34	145.72	499.09	163.02	2.74	MWD
1633.00	39.22	1494.35	518.25	163.73	-496.02	151.14	518.54	163.05	2.32	MWD
1664.00	39.57	1518.30	537.90	163.73	-514.91	156.66	538.21	163.08	1.13	MWD
1696.00	40.45	1542.81	558.46	163.55	-534.65	162.45	558.78	163.10	2.77	MWD
1726.00	41.24	1565.51	578.06	163.38	-553.46	168.03	578.40	163.11	2.66	MWD
1757.00	42.12	1588.66	598.66	163.02	-573.19	173.99	599.02	163.11	2.94	MWD
1789.00	42.74	1612.28	620.24	162.85	-593.83	180.33	620.61	163.11	1.97	MWD
1819.00	43.00	1634.27	640.65	161.20	-613.24	186.63	641.01	163.07	3.84	MWD
1850.00	42.91	1656.96	661.77	162.67	-633.32	193.18	662.13	163.04	3.24	MWD
1882.00	43.26	1680.33	683.61	163.20	-654.22	199.59	683.99	163.03	1.57	MWD
1912.00	43.44	1702.14	704.19	163.20	-673.93	205.54	704.58	163.04	0.60	MWD
1944.00	43.53	1725.36	726.20	163.38	-695.03	211.88	726.60	163.05	0.48	MWD
1975.00	43.35	1747.87	747.50	163.38	-715.45	217.97	747.92	163.06	0.58	MWD
2006.00	43.62	1770.36	768.81	163.73	-735.91	224.01	769.25	163.07	1.17	MWD
2038.00	43.44	1793.56	790.83	163.55	-757.06	230.22	791.29	163.09	0.68	MWD
2069.00	43.44	1816.07	812.13	163.90	-777.52	236.19	812.60	163.10	0.78	MWD
2100.00	43.70	1838.53	833.47	163.38	-798.02	242.21	833.97	163.12	1.43	MWD
2131.00	43.88	1860.91	854.91	162.50	-818.53	248.51	855.42	163.11	2.05	MWD
2162.00	43.88	1883.25	876.39	162.32	-839.01	255.00	876.91	163.09	0.40	MWD
2193.00	43.97	1905.58	897.90	161.62	-859.46	261.66	898.41	163.07	1.59	MWD
2225.00	44.23	1928.56	920.17	161.27	-880.57	268.74	920.67	163.03	1.11	MWD
2256.00	44.14	1950.79	941.77	160.74	-901.00	275.77	942.26	162.98	1.23	MWD
2287.00	44.41	1972.99	963.41	159.86	-921.38	283.07	963.88	162.92	2.16	MWD
2318.00	44.32	1995.15	985.08	159.68	-941.71	290.57	985.52	162.85	0.50	MWD
2349.00	44.49	2017.30	1006.77	159.86	-962.07	298.07	1007.18	162.79	0.68	MWD
2380.00	44.32	2039.44	1028.45	159.68	-982.42	305.57	1028.85	162.72	0.68	MWD
2409.00	43.70	2060.30	1048.59	160.04	-1001.34	312.50	1048.97	162.67	2.31	MWD
2441.00	43.79	2083.42	1070.72	159.68	-1022.11	320.12	1071.07	162.61	0.83	MWD
2472.00	43.00	2105.94	1092.00	159.16	-1042.05	327.61	1092.33	162.55	2.80	MWD
2502.00	42.38	2128.00	1112.33	158.45	-1061.01	334.96	1112.63	162.48	2.62	MWD

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Survey

MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	Clsr Dist. ft	Clsr Azi. deg	Dog Leg deg/100ft	Tool
2533.00	41.77	2151.01	1133.08	159.33	-1080.39	342.44	1133.37	162.41	2.74	MWD
2564.00	40.27	2174.39	1153.42	159.33	-1099.43	349.63	1153.68	162.36	4.84	MWD
2595.00	38.69	2198.32	1173.12	159.86	-1117.90	356.50	1173.37	162.31	5.21	MWD
2625.00	37.37	2221.95	1191.60	159.86	-1135.25	362.86	1191.83	162.27	4.40	MWD
2656.00	36.40	2246.75	1210.20	159.68	-1152.71	369.30	1210.42	162.24	3.15	MWD
2687.00	35.17	2271.89	1228.32	159.33	-1169.69	375.64	1228.53	162.20	4.02	MWD
2719.00	33.94	2298.25	1246.46	160.04	-1186.71	381.94	1246.66	162.16	4.04	MWD
2750.00	32.89	2324.12	1263.53	160.21	-1202.77	387.75	1263.72	162.13	3.40	MWD
2781.00	31.66	2350.33	1280.08	160.39	-1218.35	393.33	1280.27	162.11	3.98	MWD
2813.00	30.51	2377.74	1296.60	159.86	-1233.89	398.95	1296.78	162.08	3.69	MWD
2844.00	29.55	2404.58	1312.11	158.81	-1248.40	404.42	1312.27	162.05	3.53	MWD
2875.00	28.84	2431.64	1327.22	158.63	-1262.49	409.91	1327.37	162.01	2.31	MWD
2906.00	27.87	2458.92	1341.92	158.81	-1276.21	415.25	1342.07	161.98	3.14	MWD
2937.00	26.47	2486.50	1356.07	159.33	-1289.43	420.31	1356.21	161.95	4.58	MWD
2969.00	25.85	2515.22	1370.17	159.68	-1302.65	425.25	1370.30	161.92	2.00	MWD
3000.00	25.15	2543.20	1383.52	160.91	-1315.21	429.75	1383.64	161.91	2.83	MWD
3030.00	24.36	2570.44	1396.08	160.39	-1327.06	433.91	1396.20	161.89	2.73	MWD
3061.00	23.48	2598.78	1408.65	162.32	-1338.97	437.93	1408.77	161.89	3.80	MWD
3092.00	22.86	2627.28	1420.84	163.02	-1350.61	441.57	1420.96	161.90	2.19	MWD
3123.00	21.90	2655.94	1432.64	162.32	-1361.88	445.08	1432.76	161.90	3.21	MWD
3154.00	21.19	2684.78	1444.02	162.67	-1372.74	448.50	1444.15	161.91	2.33	MWD
3185.00	19.96	2713.80	1454.91	162.15	-1383.12	451.80	1455.04	161.91	4.01	MWD
3215.00	19.17	2742.07	1464.95	162.50	-1392.69	454.85	1465.09	161.91	2.66	MWD
3246.00	18.47	2771.41	1474.95	163.02	-1402.25	457.81	1475.09	161.92	2.32	MWD
3277.00	17.59	2800.89	1484.54	162.15	-1411.40	460.68	1484.68	161.92	2.97	MWD
3309.00	16.53	2831.48	1493.93	162.50	-1420.34	463.53	1494.07	161.93	3.33	MWD
3340.00	15.65	2861.26	1502.52	161.27	-1428.51	466.20	1502.66	161.93	3.04	MWD
3372.00	14.95	2892.13	1510.96	161.30	-1436.51	468.91	1511.10	161.92	2.19	MWD
3403.00	14.33	2922.12	1518.80	161.62	-1443.94	471.40	1518.94	161.92	2.02	MWD
3433.00	13.54	2951.24	1526.02	161.52	-1450.79	473.69	1526.16	161.92	2.63	MWD
3464.00	12.66	2981.43	1533.04	164.10	-1457.50	475.77	1533.19	161.92	3.41	MWD
3496.00	11.08	3012.75	1539.61	164.96	-1463.84	477.53	1539.76	161.93	4.97	MWD
3527.00	9.85	3043.23	1545.22	167.77	-1469.31	478.86	1545.37	161.95	4.29	MWD
3559.00	8.09	3074.84	1550.17	169.00	-1474.20	479.87	1550.33	161.97	5.53	MWD
3590.00	6.95	3105.57	1554.17	172.69	-1478.20	480.52	1554.34	161.99	3.99	MWD
3620.00	5.72	3135.39	1557.41	171.99	-1481.48	480.96	1557.60	162.01	4.11	MWD
3651.00	4.31	3166.27	1560.08	171.11	-1484.16	481.36	1560.27	162.03	4.56	MWD
3683.00	2.90	3198.20	1562.07	168.30	-1486.14	481.71	1562.26	162.04	4.44	MWD
3715.00	2.29	3230.17	1563.50	170.06	-1487.56	481.98	1563.70	162.05	1.92	MWD
3770.00	2.29	3285.13	1565.67	170.06	-1489.73	482.36	1565.87	162.06	0.00	PROJECTED