

Ryal Energy Technologies US, Inc.

COMPLETION REPORT

Company: SOUTHWESTERN ENERGY PROD. CO.
 Field: Eddy County, New Mexico
 Site: Peregrine
 Well: No. 1
 Wellpath: Original Hole

Date: 7/2/2002

Time: 13:09:56

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Co-ordinate(N/E) Reference:

Site: Peregrine, Grid North

Vertical (TVD) Reference:

Est. RKB+2971'GL 2989.0

Section (VS) Reference:

Well (0.00N,0.00E,89.56Azi)

Survey Calculation Method:

Minimum Curvature

Db: Sybase

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
2100.00	0.51	2099.41	-38.82	115.74	-11.56	-38.73	40.42	253.39	0.56	GG
2200.00	1.42	2199.39	-37.19	94.15	-11.84	-37.10	38.94	252.30	0.96	GG
2300.00	2.08	2299.35	-34.14	92.51	-12.01	-34.05	36.11	250.57	0.66	GG
2400.00	2.56	2399.27	-30.10	87.92	-12.01	-30.00	32.32	248.19	0.51	GG
2500.00	2.45	2499.17	-25.75	80.54	-11.58	-25.66	28.15	245.72	0.34	GG
2600.00	1.94	2599.10	-22.00	75.22	-10.79	-21.92	24.43	243.79	0.55	GG
2700.00	1.82	2699.04	-18.82	75.37	-9.96	-18.75	21.23	242.02	0.12	GG
2800.00	1.58	2799.00	-16.00	68.19	-9.05	-15.93	18.32	240.41	0.32	GG
2900.00	1.57	2898.96	-13.48	63.90	-7.93	-13.42	15.59	239.42	0.12	GG
3000.00	1.50	2998.92	-11.09	61.78	-6.71	-11.04	12.92	238.70	0.09	GG
3100.00	1.50	3098.89	-8.81	57.98	-5.40	-8.77	10.30	238.40	0.10	GG
3200.00	1.45	3198.86	-6.61	59.05	-4.05	-6.58	7.73	238.37	0.06	GG
3300.00	1.40	3298.83	-4.46	59.61	-2.78	-4.44	5.24	237.91	0.05	GG
3400.00	1.15	3398.80	-2.55	57.55	-1.63	-2.54	3.02	237.34	0.25	GG
3500.00	0.98	3498.78	-1.03	51.57	-0.56	-1.02	1.16	241.40	0.20	GG
3600.00	0.98	3598.77	0.33	52.46	0.50	0.33	0.59	33.34	0.02	GG
3700.00	0.85	3698.76	1.56	46.93	1.52	1.55	2.17	45.43	0.16	GG
3800.00	0.89	3798.75	2.60	39.28	2.63	2.58	3.68	44.44	0.12	GG
3900.00	0.93	3898.73	3.51	30.30	3.93	3.48	5.25	41.51	0.15	GG
4000.00	0.85	3998.72	4.29	29.36	5.28	4.25	6.78	38.86	0.08	GG
4100.00	0.71	4098.71	4.97	29.23	6.47	4.92	8.13	37.26	0.14	GG
4200.00	0.81	4198.70	5.56	23.21	7.66	5.50	9.43	35.69	0.13	GG
4300.00	0.83	4298.69	6.06	17.06	9.00	5.99	10.81	33.66	0.09	GG
4400.00	0.82	4398.68	6.50	17.16	10.38	6.42	12.20	31.73	0.01	GG
4477.00	6.50	4475.51	10.84	106.50	9.66	10.76	14.46	48.08	8.50	LWD
4508.00	12.10	4506.10	15.75	95.10	8.88	15.68	18.02	60.50	18.93	LWD
4540.00	18.00	4536.99	24.04	89.60	8.61	23.98	25.48	70.24	18.95	LWD
4571.00	23.60	4565.96	35.04	86.10	9.07	34.97	36.12	75.46	18.50	LWD
4605.00	29.30	4596.39	50.11	82.90	10.56	50.03	51.13	78.08	17.28	LWD
4638.00	34.20	4624.44	67.30	80.70	13.06	67.20	68.46	79.00	15.26	LWD
4670.00	36.30	4650.57	85.57	81.70	15.88	85.45	86.92	79.47	6.81	LWD
4702.00	39.80	4675.77	105.14	83.10	18.48	105.00	106.61	80.02	11.26	LWD
4733.00	43.10	4699.00	125.55	84.20	20.74	125.39	127.10	80.61	10.90	LWD
4765.00	46.30	4721.74	147.96	84.70	22.91	147.79	149.56	81.19	10.06	LWD
4796.00	49.20	4742.58	170.83	85.20	24.93	170.65	172.46	81.69	9.43	LWD
4828.00	53.10	4762.65	195.69	85.80	26.88	195.49	197.33	82.17	12.27	LWD
4860.00	58.90	4780.54	222.15	86.10	28.75	221.94	223.79	82.62	18.14	LWD
4892.00	64.60	4795.68	250.30	87.50	30.32	250.07	251.90	83.09	18.22	LWD
4923.00	69.60	4807.74	278.84	90.00	30.93	278.61	280.32	83.67	17.76	LWD
4955.00	73.20	4817.95	309.14	92.80	30.18	308.92	310.39	84.42	13.98	LWD
4987.00	73.60	4827.09	339.75	93.70	28.44	339.54	340.73	85.21	2.97	LWD
5017.00	77.00	4834.70	368.68	93.80	26.54	368.49	369.44	85.88	11.34	LWD
5050.00	82.90	4840.46	401.08	93.20	24.56	400.91	401.66	86.49	17.97	LWD
5081.00	86.00	4843.46	431.90	91.40	23.33	431.73	432.36	86.91	11.55	LWD
5113.00	87.20	4845.35	463.82	92.30	22.29	463.66	464.19	87.25	4.68	LWD
5144.00	87.60	4846.76	494.76	91.00	21.40	494.61	495.08	87.52	4.38	LWD
5176.00	85.70	4848.63	526.69	91.60	20.68	526.55	526.95	87.75	6.23	LWD
5197.00	84.90	4850.35	547.61	90.30	20.33	547.47	547.85	87.87	7.25	LWD
5208.00	84.30	4851.39	558.56	90.30	20.27	558.43	558.79	87.92	5.45	LWD
5239.00	83.30	4854.73	589.37	91.60	19.76	589.24	589.57	88.08	5.27	LWD
5271.00	82.40	4858.72	621.10	91.70	18.85	620.98	621.26	88.26	2.83	LWD
5309.00	83.70	4863.32	658.79	92.10	17.60	658.68	658.91	88.47	3.58	LWD
5393.00	87.90	4869.47	742.52	89.30	16.58	742.42	742.60	88.72	6.00	LWD