

Results of Directional Survey

API number:	30-025-25269		
OGRID:		Operator:	REGENERATION ENERGY CORP
		Property:	STATE R COM # 1H

surface	ULSTR:	N	25	T	23S	R	34E
				660	FSL	1980	FWL

BH Loc	ULSTR:	C	25	T	23S	R	34E
12910	MD	8845.5	TVD	333	FNL	1893	FWL
				4947	FSL		

Top Perf/OH	ULSTR:	N	25	T	23S	R	34E
9132	MD	8863.3	TVD	1175	FSL	1923	FWL

Bot Perf/OH	ULSTR:	C	25	T	23S	R	34E
12829	MD	8845.0	TVD	412	FNL	1896	FWL
				4868	FSL		

	MD	N/S	E/W	VD
	9089	471.96	-57.55	8857.18
TOP PERFS/OH	9132	514.52	-56.67	8863.26
	9138	520.46	-56.55	8864.11
	12769	4145.97	-81.36	8844.35
BOT PERFS/OH	12829	4208.47	-83.66	8845.04
	12865	4245.97	-85.04	8845.46

NEXT TO LAST	12867	4243.89	-85.12	8845.46
LAST READING	12910	4286.86	-86.87	8845.49
TD	12910	4286.86	-86.87	8845.49

Surface Location	660	FS	1980	FW
Projected BHL	4947	FS	1893	FW
Location of				
Top Perfs/OH	1175	FS	1923	FW
Bottom Perfs/OH	4868	FS	1896	FW

SUMMARY of Subsurface Locations

Surface Location	N-25-23S-34E	660	FS	1980	FW	Vert. Depth
Top Perfs/OH	N-25-23S-34E	1175	FS	1923	FW	8863.26
Bottom Perfs/OH	C-25-23S-34E	4868	FS	1896	FW	8845.04
Projected TD	C-25-23S-34E	4947	FS	1893	FW	8845.49

PathFinder Energy Services, Inc.

Survey Report

REGENERATION ENERGY CORPORATION

STATE R COM #1H

ANTELOPE RIDGE; BONE SPRING

Rig: Silver Oak 2

PathFinder Office Supervisor: Francisco Sinisterra

PathFinder Field Engineers: Mike Sakas

Cody Bundick

Survey Horiz. Reference: WELLHEAD

Ref Coordinates: LAT: 32.16.12.0598 N LON: 103.25.31.3536 W

GRID Reference: NAD27 new mexico east Transverse Mercator

Ref GRID Coord: X: 780639.1000 Y: 463136.9860

North Aligned To: GRID NORTH

Total Magnetic Correction: 6.99° EAST TO GRID

Vertical Section Plane: 359.47

Survey Vert. Reference: 17.00' Rotary Table To Ground

Altitude: 3387.30' Ground To MSL

Survey Calculations by RX5 V6.03E using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Subsea Depth (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)	TEMP (F)
THE FOLLOWING ARE SCIENTIFIC DRILLING GYRO SURVEYS.											
0.00	0.00	0.00	0.00	-17.00	-0.02	0.02 S	0.04 W	0.05@	243.48	0.00	0.00
100.00	0.14	243.33	100.00	83.00	-0.07	0.08 S	0.15 W	0.17@	243.37	0.14	0.00
200.00	0.12	304.23	200.00	183.00	-0.07	0.07 S	0.35 W	0.35@	258.37	0.13	0.00
300.00	0.15	288.00	300.00	283.00	0.03	0.03 N	0.56 W	0.56@	272.89	0.05	0.00
400.00	0.08	234.99	400.00	383.00	0.04	0.03 N	0.74 W	0.74@	272.21	0.12	0.00
500.00	0.32	213.31	500.00	483.00	-0.24	0.24 S	0.95 W	0.98@	255.53	0.25	0.00
600.00	0.97	172.56	600.00	583.00	-1.31	1.32 S	0.99 W	1.65@	217.00	0.76	0.00
700.00	0.98	176.95	699.98	682.98	-3.00	3.01 S	0.84 W	3.13@	195.55	0.08	0.00
800.00	0.98	199.41	799.97	782.97	-4.66	4.67 S	1.08 W	4.79@	192.98	0.38	0.00
900.00	1.00	218.00	899.95	882.95	-6.15	6.17 S	1.90 W	6.45@	197.11	0.32	0.00
1000.00	0.98	232.51	999.94	982.94	-7.34	7.37 S	3.11 W	8.00@	202.89	0.25	0.00
1100.00	1.05	243.19	1099.92	1082.92	-8.26	8.31 S	4.61 W	9.50@	209.03	0.20	0.00
1200.00	0.84	253.32	1199.91	1182.91	-8.87	8.93 S	6.13 W	10.83@	214.46	0.27	0.00
1300.00	0.85	263.45	1299.90	1282.90	-9.16	9.23 S	7.57 W	11.93@	219.36	0.15	0.00
1400.00	0.54	268.93	1399.89	1382.89	-9.24	9.32 S	8.78 W	12.80@	223.28	0.32	0.00
1500.00	0.48	274.18	1499.89	1482.89	-9.21	9.30 S	9.67 W	13.41@	226.11	0.08	0.00
1600.00	0.47	273.34	1599.88	1582.88	-9.15	9.24 S	10.49 W	13.98@	228.62	0.01	0.00
1700.00	0.12	280.80	1699.88	1682.88	-9.10	9.20 S	11.01 W	14.34@	230.11	0.35	0.00
1800.00	0.07	350.60	1799.88	1782.88	-9.02	9.12 S	11.12 W	14.38@	230.64	0.12	0.00
1900.00	0.21	94.18	1899.88	1882.88	-8.97	9.07 S	10.95 W	14.22@	230.34	0.24	0.00
2000.00	0.03	246.71	1999.88	1982.88	-9.00	9.10 S	10.79 W	14.11@	229.86	0.24	0.00
2100.00	0.21	82.09	2099.88	2082.88	-8.98	9.08 S	10.63 W	13.98@	229.49	0.24	0.00
2200.00	0.03	37.85	2199.88	2182.88	-8.94	9.04 S	10.43 W	13.80@	229.10	0.19	0.00
2300.00	0.19	11.89	2299.88	2282.88	-8.76	8.85 S	10.38 W	13.64@	229.54	0.16	0.00
2400.00	0.16	314.37	2399.88	2382.88	-8.50	8.59 S	10.45 W	13.53@	230.56	0.17	0.00

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HOBBS OGD

SUR: N-25-23s-34e, 660/S & 1980/W
 BHL: C-25-23s-34e, 4947/S & 1893/W
 API # 30-025-25269

PathFinder Energy Services, Inc.

Survey Report

REGENERATION ENERGY CORPORATION
STATE R COM #1H
ANTELOPE RIDGE; BONE SPRING
RIG: Silver Oak 2

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Subsea Depth (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Closure Dist Dir		DLS (dg/100ft)	TEMP (F)
						(ft)	(ft)	(ft)	(deg)		
2500.00	0.09	343.84	2499.88	2482.88	-8.32	8.42 S	10.57 W	13.51@	231.46	0.09	0.00
2600.00	0.05	159.43	2599.88	2582.88	-8.29	8.39 S	10.58 W	13.50@	231.59	0.14	0.00
2700.00	0.31	58.43	2699.88	2682.88	-8.19	8.28 S	10.33 W	13.24@	231.27	0.32	0.00
2800.00	0.43	68.07	2799.88	2782.88	-7.91	8.00 S	9.75 W	12.61@	230.62	0.13	0.00
2900.00	0.95	65.74	2899.87	2882.87	-7.44	7.52 S	8.65 W	11.46@	228.98	0.52	0.00
3000.00	1.59	64.87	2999.84	2982.84	-6.53	6.59 S	6.64 W	9.35@	225.19	0.64	0.00
3100.00	1.99	59.41	3099.79	3082.79	-5.08	5.12 S	3.88 W	6.43@	217.19	0.43	0.00
3200.00	2.36	58.26	3199.72	3182.72	-3.15	3.15 S	0.64 W	3.22@	191.45	0.37	0.00
3300.00	2.65	59.44	3299.63	3282.63	-0.92	0.89 S	3.10 E	3.23@	106.08	0.30	0.00
3400.00	2.65	59.01	3399.52	3382.52	1.41	1.47 N	7.08 E	7.23@	78.25	0.02	0.00
3500.00	2.23	57.13	3499.43	3482.43	3.62	3.72 N	10.69 E	11.32@	70.83	0.43	0.00
3600.00	1.84	63.05	3599.37	3582.37	5.37	5.50 N	13.76 E	14.82@	68.20	0.44	0.00
3700.00	1.92	74.60	3699.31	3682.31	6.52	6.67 N	16.80 E	18.08@	68.34	0.39	0.00
3800.00	2.18	74.99	3799.25	3782.25	7.42	7.61 N	20.25 E	21.64@	69.41	0.26	0.00
3900.00	2.21	65.52	3899.18	3882.18	8.68	8.90 N	23.85 E	25.45@	69.53	0.36	0.00
4000.00	2.07	55.22	3999.11	3982.11	10.48	10.73 N	27.08 E	29.13@	68.38	0.41	0.00
4100.00	2.39	52.93	4099.03	4082.03	12.74	13.02 N	30.23 E	32.92@	66.70	0.33	0.00
4200.00	3.12	53.86	4198.91	4181.91	15.56	15.88 N	34.09 E	37.61@	65.02	0.73	0.00
4300.00	2.43	52.88	4298.80	4281.80	18.41	18.76 N	37.98 E	42.36@	63.71	0.69	0.00
4400.00	2.61	48.92	4398.70	4381.70	21.16	21.54 N	41.39 E	46.66@	62.51	0.25	0.00
4500.00	2.60	44.13	4498.60	4481.60	24.25	24.66 N	44.68 E	51.04@	61.10	0.22	0.00
4600.00	2.81	46.15	4598.48	4581.48	27.55	27.99 N	48.03 E	55.59@	59.77	0.23	0.00
4700.00	3.03	46.90	4698.35	4681.35	31.01	31.49 N	51.73 E	60.56@	58.66	0.22	0.00
4800.00	2.48	54.05	4798.24	4781.24	34.06	34.57 N	55.41 E	65.31@	58.04	0.65	0.00
4900.00	1.87	62.50	4898.17	4881.17	36.05	36.59 N	58.61 E	69.09@	58.02	0.69	0.00
5000.00	1.43	66.36	4998.13	4981.13	37.28	37.85 N	61.20 E	71.96@	58.27	0.45	0.00
** TIED INTO SCIENTIFIC DRILLING GYRO SURVEY AT 5070'MD.											
5070.00	1.60	68.91	5068.10	5051.10	37.97	38.55 N	62.91 E	73.78@	58.50	0.26	0.00

PathFinder Energy Services, Inc.

Survey Report

REGENERATION ENERGY CORPORATION
STATE R COM #1H
ANTELOPE RIDGE; BONE SPRING
RIG: Silver Oak 2

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Subsea Depth (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)	TEMP (F)
5169.00	2.82	245.38	5167.07	5150.07	37.46	38.03 N	61.99 E	72.72@	58.47	4.46	0.00
5286.00	3.99	248.24	5283.86	5266.86	34.81	35.32 N	55.59 E	65.86@	57.57	1.01	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.											
5470.00	5.28	253.89	5467.26	5450.26	30.22	30.60 N	41.51 E	51.57@	53.60	0.74	93.80
5566.00	5.36	251.85	5562.84	5545.84	27.67	27.98 N	33.00 E	43.27@	49.71	0.21	93.80
5661.00	5.45	253.34	5657.42	5640.42	25.08	25.30 N	24.47 E	35.20@	44.03	0.17	93.80
5756.00	5.54	253.90	5751.98	5734.98	22.59	22.74 N	15.74 E	27.65@	34.69	0.11	97.41
5851.00	4.31	265.22	5846.63	5829.63	21.10	21.17 N	7.77 E	22.55@	20.16	1.64	97.41
5946.00	2.55	268.67	5941.46	5924.46	20.80	20.82 N	2.10 E	20.93@	5.77	1.87	97.41
6041.00	2.37	270.88	6036.37	6019.37	20.82	20.80 N	1.97 W	20.90@	354.58	0.21	101.02
6168.00	1.58	264.91	6163.30	6146.30	20.75	20.69 N	6.34 W	21.64@	342.95	0.64	101.02
6263.00	1.58	261.35	6258.26	6241.26	20.46	20.38 N	8.94 W	22.25@	336.30	0.10	101.02
6359.00	0.53	310.87	6354.24	6337.24	20.56	20.47 N	10.59 W	23.04@	332.65	1.35	101.02
6454.00	0.53	332.31	6449.24	6432.24	21.25	21.14 N	11.12 W	23.89@	332.25	0.21	101.02
6549.00	0.53	321.08	6544.24	6527.24	21.98	21.87 N	11.60 W	24.76@	332.06	0.11	101.02
6645.00	0.44	312.24	6640.23	6623.23	22.58	22.47 N	12.16 W	25.55@	331.59	0.12	104.64
6740.00	0.62	325.83	6735.23	6718.23	23.26	23.14 N	12.71 W	26.40@	331.21	0.23	104.64
6835.00	0.62	328.25	6830.22	6813.22	24.12	24.00 N	13.27 W	27.43@	331.06	0.03	104.64
6930.00	0.62	320.90	6925.22	6908.22	24.96	24.84 N	13.87 W	28.45@	330.82	0.08	104.64
7026.00	0.62	310.24	7021.21	7004.21	25.71	25.58 N	14.59 W	29.45@	330.29	0.12	108.25
7121.00	0.79	312.90	7116.21	7099.21	26.50	26.35 N	15.46 W	30.56@	329.60	0.18	108.25
7216.00	0.70	312.56	7211.20	7194.20	27.34	27.19 N	16.37 W	31.74@	328.95	0.09	104.64
7311.00	0.70	307.59	7306.19	7289.19	28.10	27.94 N	17.26 W	32.84@	328.29	0.06	104.64
7407.00	0.62	299.72	7402.18	7385.18	28.72	28.55 N	18.17 W	33.85@	327.52	0.13	108.25
7502.00	0.79	291.43	7497.18	7480.18	29.22	29.05 N	19.23 W	34.84@	326.49	0.21	108.25
7597.00	0.62	293.34	7592.17	7575.17	29.68	29.49 N	20.31 W	35.81@	325.44	0.18	108.25
7690.00	0.62	280.68	7685.16	7668.16	29.98	29.78 N	21.27 W	36.60@	324.47	0.15	104.64
7785.00	0.62	288.42	7780.16	7763.16	30.25	30.04 N	22.26 W	37.39@	323.46	0.09	104.64

PathFinder Energy Services, Inc.

Survey Report

REGENERATION ENERGY CORPORATION
STATE R COM #1H
ANTELOPE RIDGE; BONE SPRING
RIG: Silver Oak 2

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Subsea Depth (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Closure Dist Dir		DLS (dg/100ft)	TEMP (F)
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)		
7880.00	0.62	276.64	7875.15	7858.15	30.48	30.26 N	23.26 W	38.17@	322.45	0.13	108.25
7975.00	0.53	287.80	7970.15	7953.15	30.68	30.46 N	24.19 W	38.89@	321.54	0.15	108.25
8070.00	0.35	292.28	8065.15	8048.15	30.93	30.70 N	24.87 W	39.51@	320.98	0.19	108.25
8165.00	0.26	282.70	8160.14	8143.14	31.09	30.86 N	25.35 W	39.94@	320.59	0.11	111.87
8260.00	0.26	303.62	8255.14	8238.14	31.26	31.02 N	25.74 W	40.31@	320.32	0.10	111.87
8350.00	0.35	311.71	8345.14	8328.14	31.56	31.32 N	26.12 W	40.78@	320.17	0.11	111.87
8420.00	4.22	343.70	8415.07	8398.07	34.18	33.94 N	27.00 W	43.37@	321.49	5.61	111.87
8452.00	8.71	349.32	8446.86	8429.86	37.70	37.45 N	27.78 W	46.63@	323.43	14.15	108.25
8484.00	13.81	349.41	8478.24	8461.24	43.85	43.59 N	28.93 W	52.32@	326.42	15.94	111.87
8517.00	19.08	347.74	8509.87	8492.87	53.02	52.74 N	30.80 W	61.07@	329.71	16.03	111.87
8549.00	23.83	347.83	8539.65	8522.65	64.48	64.17 N	33.28 W	72.29@	332.59	14.84	111.87
8581.00	27.44	349.68	8568.49	8551.49	78.08	77.75 N	35.96 W	85.67@	335.18	11.55	111.87
8612.00	30.34	350.91	8595.63	8578.63	92.86	92.51 N	38.48 W	100.20@	337.42	9.55	111.87
8644.00	33.24	352.14	8622.83	8605.83	109.56	109.18 N	40.96 W	116.61@	339.44	9.29	111.87
8676.00	36.23	353.28	8649.13	8632.13	127.66	127.27 N	43.26 W	134.42@	341.23	9.56	111.87
8708.00	40.19	353.98	8674.27	8657.27	147.35	146.94 N	45.45 W	153.81@	342.81	12.45	111.87
8740.00	43.88	354.68	8698.03	8681.03	168.69	168.25 N	47.57 W	174.85@	344.21	11.62	115.48
8771.00	47.04	355.39	8719.77	8702.77	190.71	190.26 N	49.47 W	196.59@	345.42	10.32	115.48
8803.00	50.21	356.27	8740.92	8723.92	214.67	214.21 N	51.22 W	220.25@	346.55	10.12	111.87
8835.00	54.34	357.59	8760.49	8743.49	239.95	239.48 N	52.56 W	245.18@	347.62	13.31	115.48
8867.00	58.21	358.11	8778.26	8761.26	266.55	266.07 N	53.56 W	271.41@	348.62	12.17	115.48
8898.00	60.76	358.29	8794.00	8777.00	293.25	292.76 N	54.40 W	297.77@	349.47	8.24	115.48
8930.00	64.46	358.20	8808.72	8791.72	321.65	321.16 N	55.27 W	325.88@	350.24	11.56	115.48
8962.00	68.06	358.29	8821.60	8804.60	350.93	350.43 N	56.16 W	354.90@	350.89	11.25	115.48
8994.00	69.47	358.55	8833.19	8816.19	380.75	380.24 N	56.99 W	384.49@	351.48	4.47	115.48
9025.00	72.72	359.17	8843.23	8826.23	410.08	409.56 N	57.57 W	413.59@	352.00	10.65	115.48
9057.00	77.82	359.96	8851.36	8834.36	441.01	440.50 N	57.80 W	444.27@	352.52	16.12	115.48
9089.00	81.25	0.93	8857.18	8840.18	472.47	471.96 N	57.55 W	475.46@	353.05	11.13	115.48

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Survey Report

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STATE R COM #1H
ANTELOPE RIDGE; BONE SPRING
RIG: Silver Oak 2

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Subsea Depth (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)	TEMP (F)
9138.00	82.48	1.45	8864.11	8847.11	520.96	520.46 N	56.55 W	523.52@	353.80	2.72	115.48
9170.00	85.65	1.63	8867.42	8850.42	552.76	552.27 N	55.69 W	555.07@	354.24	9.92	115.48
9202.00	88.72	1.98	8868.99	8851.99	584.69	584.21 N	54.68 W	586.76@	354.65	9.66	115.48
9234.00	89.96	2.16	8869.36	8852.36	616.66	616.19 N	53.53 W	618.51@	355.04	3.92	115.48
9330.00	89.96	3.21	8869.42	8852.42	712.50	712.08 N	49.03 W	713.77@	356.06	1.09	115.48
9425.00	90.22	2.24	8869.28	8852.28	807.35	806.97 N	44.51 W	808.20@	356.84	1.06	115.48
9520.00	90.22	2.95	8868.91	8851.91	902.21	901.87 N	40.21 W	902.77@	357.45	0.75	119.09
9616.00	88.46	5.23	8870.02	8853.02	997.88	997.61 N	33.37 W	998.17@	358.08	3.00	119.09
9711.00	90.31	7.08	8871.04	8854.04	1092.22	1092.05 N	23.18 W	1092.30@	358.78	2.75	115.48
9807.00	91.71	4.71	8869.34	8852.34	1187.59	1187.52 N	13.33 W	1187.59@	359.36	2.87	111.87
9902.00	91.01	2.51	8867.09	8850.09	1282.31	1282.30 N	7.35 W	1282.32@	359.67	2.43	115.48
9998.00	92.24	1.19	8864.37	8847.37	1378.18	1378.20 N	4.25 W	1378.21@	359.82	1.88	115.48
10093.00	92.15	0.57	8860.73	8843.73	1473.09	1473.12 N	2.79 W	1473.13@	359.89	0.66	115.48
10188.00	92.24	0.66	8857.09	8840.09	1568.00	1568.05 N	1.77 W	1568.05@	359.94	0.13	119.09
10284.00	92.07	359.52	8853.48	8836.48	1663.92	1663.98 N	1.62 W	1663.98@	359.94	1.20	119.09
10380.00	92.51	359.34	8849.64	8832.64	1759.84	1759.90 N	2.57 W	1759.90@	359.92	0.50	119.09
10476.00	91.10	358.11	8846.62	8829.62	1855.78	1855.82 N	4.71 W	1855.83@	359.85	1.95	119.09
10570.00	87.93	357.06	8847.41	8830.41	1949.72	1949.72 N	8.67 W	1949.74@	359.75	3.55	119.09
10666.00	87.58	357.06	8851.18	8834.18	2045.56	2045.52 N	13.59 W	2045.57@	359.62	0.36	122.71
10762.00	88.81	356.71	8854.20	8837.20	2141.41	2141.33 N	18.80 W	2141.41@	359.50	1.33	122.71
10858.00	89.25	356.71	8855.82	8838.82	2237.29	2237.16 N	24.31 W	2237.29@	359.38	0.46	122.71
10954.00	90.04	357.41	8856.42	8839.42	2333.20	2333.03 N	29.24 W	2333.21@	359.28	1.10	122.71
11049.00	90.84	356.88	8855.69	8838.69	2428.12	2427.91 N	33.97 W	2428.14@	359.20	1.01	126.32
11145.00	91.80	356.09	8853.48	8836.48	2523.96	2523.70 N	39.85 W	2524.01@	359.10	1.29	122.71
11240.00	90.13	355.56	8851.88	8834.88	2618.75	2618.43 N	46.77 W	2618.85@	358.98	1.84	126.32
11335.00	91.19	355.39	8850.78	8833.78	2713.51	2713.12 N	54.26 W	2713.67@	358.85	1.13	126.32
11431.00	91.89	356.00	8848.20	8831.20	2809.27	2808.82 N	61.47 W	2809.49@	358.75	0.97	126.32
11526.00	90.92	356.71	8845.87	8828.87	2904.10	2903.60 N	67.50 W	2904.38@	358.67	1.26	126.32

PathFinder Energy Services, Inc.

Survey Report

REGENERATION ENERGY CORPORATION
STATE R COM #1H
ANTELOPE RIDGE; BONE SPRING
RIG: Silver Oak 2

Page 06/06

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Subsea Depth (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Closure Dist Dir		DLS (dg/100ft)	TEMP (F)
						(ft)	(ft)	(ft)	(deg)		
11622.00	91.28	357.23	8844.03	8827.03	2999.99	2999.44 N	72.58 W	3000.32@	358.61	0.66	129.94
11718.00	90.40	357.94	8842.62	8825.62	3095.92	3095.35 N	76.62 W	3096.29@	358.58	1.18	129.94
11812.00	90.48	357.76	8841.90	8824.90	3189.88	3189.28 N	80.15 W	3190.28@	358.56	0.21	129.94
11908.00	90.57	358.90	8841.02	8824.02	3285.86	3285.23 N	82.94 W	3286.28@	358.55	1.19	129.94
12004.00	89.16	1.72	8841.25	8824.25	3381.83	3381.22 N	82.43 W	3382.22@	358.60	3.28	129.94
12099.00	90.04	1.89	8841.91	8824.91	3476.75	3476.17 N	79.43 W	3477.07@	358.69	0.94	133.55
12195.00	90.66	1.45	8841.33	8824.33	3572.68	3572.12 N	76.64 W	3572.95@	358.77	0.79	133.55
12291.00	90.66	0.84	8840.22	8823.22	3668.63	3668.10 N	74.72 W	3668.86@	358.83	0.64	133.55
12387.00	89.16	359.61	8840.37	8823.37	3764.62	3764.09 N	74.34 W	3764.83@	358.87	2.02	129.94
12482.00	89.25	359.08	8841.69	8824.69	3859.61	3859.08 N	75.43 W	3859.81@	358.88	0.57	133.55
12577.00	90.57	359.70	8841.84	8824.84	3954.61	3954.07 N	76.44 W	3954.81@	358.89	1.54	137.17
12673.00	88.81	358.20	8842.36	8825.36	4050.59	4050.04 N	78.20 W	4050.80@	358.89	2.41	137.17
12769.00	88.81	358.02	8844.35	8827.35	4146.55	4145.97 N	81.36 W	4146.77@	358.88	0.19	137.17
12865.00	89.87	357.59	8845.46	8828.46	4242.50	4241.89 N	85.04 W	4242.74@	358.85	1.19	137.17
12867.00	89.96	357.67	8845.46	8828.46	4244.50	4243.89 N	85.12 W	4244.74@	358.85	6.02	137.17
STRAIGHT LINE PROJECTION TO BIT @ 12,910' MD.											
12910.00	89.96	357.67	8845.49	8828.49	4287.48	4286.86 N	86.87 W	4287.74@	358.84	0.00	0.00

** The survey data at tie-in point was furnished by a recognized survey company and entered as submitted. Survey stations above the tie-in point represent recalculated data by PathFinder Energy Services, Inc. and may reflect minor changes due to rounding differences between survey programs. Only survey stations taken by qualified PathFinder personnel are subject to certification.

Surf: 660' FSL, 1780' FWL
EOL: 333' FNL, 1893' FWL



PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

December 14, 2011

Regeneration Energy Corp.
PO Box 210
Artesia, NM 88211-0210

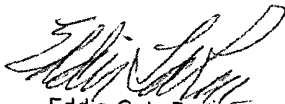
SUR: N-25-23s-34e, 660/S & 1980/W
BHL: C-25-23s-34e, 4947/S & 1893/W
API # 30-025-25269

RE: State "R" Com #1H
660' FSL & 1980' FWL
Sec. 25, T23S, R34E
Lea County, New Mexico

Dear Sir,

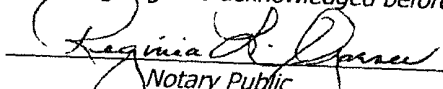
The attached is the Deviation Survey for the above captioned well.

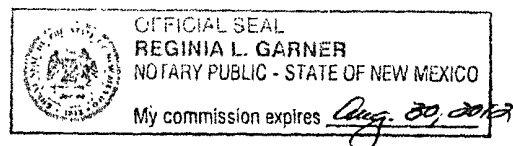
Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 14th day of December, 2011.


Regina L. Garner
Notary Public



State R Com #1H

Date	Depth	Deviation	Direction	TVD	Horiz
11/10/2011	5169	2.82	245.38		
11/10/2011	5216	3.08	292.50		
11/10/2011	5470	5.28	253.89		
11/10/2011	5502	5.28	254.18		
11/11/2011	5661	5.45	253.34		
11/11/2011	5851	4.31	265.22		
11/11/2011	5946	2.55	268.67		
11/11/2011	6168	1.58	264.91		
11/11/2011	6263	1.58	261.35		
11/11/2011	6359	0.53	310.87		
11/11/2011	6454	0.53	332.31		
11/12/2011	6645	0.44	312.24		
11/12/2011	6930	0.62	320.90		
11/12/2011	7026	0.62	310.24		
11/12/2011	7216	0.70	312.56		
11/12/2011	7407	0.62	299.72		
11/12/2011	7502	0.79	291.43	7497.18	
11/12/2011	7597	0.62	293.34	7592.00	
11/13/2011	7690	0.62	280.68		
11/13/2011	7785	0.62	288.42	7780.55	
11/13/2011	7880	0.62	276.64	7875.55	
11/13/2011	7975	0.53	287.80	7970.54	
11/13/2011	8070	0.35	292.28	8065.54	
11/15/2011	8484	13.81	349.41		
11/15/2011	8517	19.08	347.74	8509.87	
11/15/2011	8549	23.83	347.83	8539.65	
11/15/2011	8581	27.44	349.68	8569.49	
11/16/2011	8676	36.23	353.28		
11/16/2011	8707	40.19	353.98		
11/16/2011	8771	47.04	355.39		
11/16/2011	8803	50.21	356.07	8740.92	
11/16/2011	8835	54.34	357.59	8760.49	
11/16/2011	8867	58.21	358.11	8778.26	
11/17/2011	8898	60.76	358.29		
11/17/2011	8930	64.46	358.20		
11/17/2011	8994	69.47	358.55		
11/17/2011	9025	72.72	359.17		
11/17/2011	9057	77.82	359.96		
11/21/2011	9170	85.65	1.63		
11/21/2011	9234	89.96	2.16	8869.36	
11/21/2011	9330	89.96	3.21	8869.42	
11/22/2011	9425	90.22	2.24	8869.28	
11/22/2011	9320	90.22	2.95	8868.91	
11/22/2011	9616	88.46	5.23		
11/22/2011	9711	90.31	7.08	8871.04	
11/23/2011	9807	91.71	4.71	8869.34	
11/23/2011	9902	91.02	2.51	8867.00	
11/23/2011	9998	92.24	1.19	8864.37	
11/24/2011	10093	92.15	0.57	8860.73	
11/24/2011	10188	92.24	0.66	8857.09	
11/24/2011	10284	92.07	359.52	8853.48	

Date	Depth	Deviation	Direction	TVD	Horiz
11/24/2011	10380	92.51	359.34	8849.64	
11/24/2011	10476	91.10	358.11	8846.42	
11/24/2011	10666	87.85	357.06		
11/24/2011	10762	88.81	356.71		
11/24/2011	10858	89.25	356.71		
11/25/2011	11049	90.84	356.88	8855.69	
11/25/2011	11145	91.80	356.09	8853.49	
11/25/2011	11240	90.13	355.56	8851.88	
11/25/2011	11335	91.19	355.39	8850.78	
11/25/2011	11526	90.92	356.71		
11/25/2011	11622	91.28	357.23		
11/26/2011	11718	90.40	357.94	8842.12	
11/26/2011	11812	90.48	357.76	8841.90	
11/26/2011	11908	90.57	358.90	8841.02	
11/26/2011	12004	89.16	1.72	8841.25	
11/26/2011	12099	90.04	1.89		
11/26/2011	12195	90.66	1.45		
11/27/2011	12291	90.66	0.84	8890.22	
11/27/2011	12387	89.16	359.61	8840.37	
11/27/2011	12482	89.25	359.08	8841.69	
11/27/2011	12673	88.81	358.20		
11/27/2011	12769	88.81	358.02		
11/28/2011	12865	89.87	357.59	8845.46	
11/28/2011	12867	89.96	357.67	8845.46	