

Results of Directional Survey

API number:	30-025-40670		
OGRID:		Operator:	REGENERATE ENERGY, CORPORATION
		Property:	SHEARN STATE COM # 1H

surface	ULSTR:	M	32	T	23S	R	35E
				330	FSL	380	FWL

BH Loc	ULSTR:	D	32	T	23S	R	35E
13061	MD	8723.5	TVD	310	FNL	302	FWL
				4970	FSL		

Top Perf/OH	ULSTR:	M	32	T	23S	R	35E
8996	MD	8653.7	TVD	911	FSL	455	FWL

Bot Perf/OH	ULSTR:	D	32	T	23S	R	35E
12925	MD	8723.2	TVD	446	FNL	309	FWL
				4834	FSL		

	MD	N/S	E/W	VD
	8985	569.36	74.97	8654.2
TOP PERFS/OH	8996	581.48	74.52	8653.69
	9014	601.31	73.79	8652.86
	12879	4458.33	-68.70	8723.51
BOT PERFS/OH	12925	4504.26	-71.11	8723.23
	12974	4553.19	-73.67	8722.93

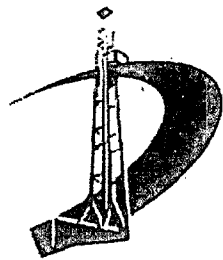
NEXT TO LAST	13009	4588.14	-75.53	8723.26
LAST READING	13061	4640.06	-78.43	8723.54
TD	13061	4640.06	-78.43	8723.54

Surface Location	330	FS	380	FW
Projected BHL	4970	FS	302	FW
Location of				
Top Perfs/OH	911	FS	455	FW
Bottom Perfs/OH	4834	FS	309	FW

SUMMARY of Subsurface Locations

Surface Location	M-32-23S-35E	330	FS	380	FW	Vert. Depth
Top Perfs/OH	M-32-23S-35E	911	FS	455	FW	8653.69
Bottom Perfs/OH	D-32-23S-35E	4834	FS	309	FW	8723.23
Projected TD	D-32-23S-35E	4970	FS	302	FW	8723.54

HOBBS OCD
DEC 04 2012
RECEIVED



PRODIRECTIONAL

P.O. Box 750, Conroe, TX 77305 Phone: 936-441-7266

Regeneration Energy Group

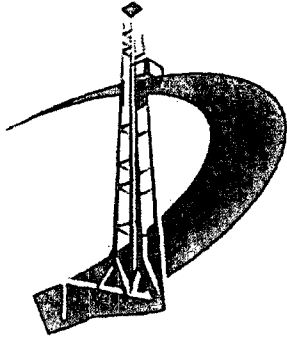
Shearn State Com No. 1H(ST1)
Lea County, NM

November 14, 2012

Job Number LNM 5100612

Survey Completion Report

SUR: M-32-23s-35e, 330/S & 380/W
BHL: D-32-23s-35e, 4970/S & 302/W
API # 30-025-40670



PRODIRECTIONAL

P.O. Box 750, Conroe, TX 77305 Phone: 936-441-7266 Fax: 936-441-7268

November 14, 2012

Regeneration Energy Group

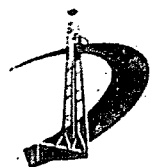
Shearn State Com No. 1H(ST1)
Lea County, NM

This is to certify surveys from 8,456' MD to a depth of 13,061' MD are true and correct MWD surveys. These surveys were taken from 09/17/2012 through 09/29/2012.

Sincerely,

Mike Coats

Well Planning



PRODIRECTIONAL

ReGeneration Energy Group LLC

Lea County, New Mexico

Shearn State Com

No.1H

Sidetrack 1

SUR: M-32-23s-35e, 330/S & 380/W
BHL: D-32-23s-35e, 4970/S & 302/W
API # 30-025-40670

Survey: Professional Directional LTD

Survey Completion Report

14 November, 2012



Completion Report

Company:	ReGeneration Energy Group LLC	Local Co-ordinate Reference:	Well Shearn State Com #1H
Project:	Lea County, New Mexico	TVD Reference:	RKB @ 3463.00usft (Original Well Elev)
Site:	Shearn State Com	MD Reference:	RKB @ 3463.00usft (Original Well Elev)
Well:	Shearn State Com #1H	North Reference:	Grid
Wellbore:	Sidetrack 1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack 1	Database:	EDM 5000.1 Single User Db

Project:	Lea County, New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		Using geodetic scale factor

Site:		Shearn State Com				
Site Position:		Northing:	457,606.40	usft	Latitude:	32° 15' 16.569768 N
From:	Map	Easting:	789,630.30	usft	Longitude:	103° 23' 47.205767 W
Position Uncertainty:	0.00	Slot Radius:	13-3/16	"	Grid Convergence:	0.50 °

Well:	Shearn State Com #1H					
Well Position	+N/-S	0.00 usft	Northing:	457,606.40 usft	Latitude:	32° 15' 16.569768 N
	+E/-W	0.00 usft	Easting:	789,630.30 usft	Longitude:	103° 23' 47.205767 W
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	Ground Level:	3,445.00 usft

Wellbore	Sidetrack 1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/15/2012	7.35	60.21	48,528

Design:		Sidetrack 1			
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	8,444.00
Vertical Section	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.00	0.00	0.00	358.830	



Completion Report

Company:	ReGeneration Energy Group LLC	Local Co-ordinate Reference:	Well Shearn State Com #1H
Project:	Lea County, New Mexico	TVD Reference:	RKB @ 3463.00usft (Original Well Elev)
Site:	Shearn State Com	MD Reference:	RKB @ 3463.00usft (Original Well Elev)
Well:	Shearn State Com #1H	North Reference:	Grid
Wellbore:	Sidetrack 1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack 1	Database:	EDM 5000.1 Single User Db

Survey Program		Date 11/6/2012		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.00	1,052.00	Shearn State Com #1H gyro (Original Hole	NS-GYRO-MS	North sensing gyrocompassing m/s
1,238.00	8,444.00	Shearn State Com #1H OH MWD (Origina	MWD	MWD - Standard
8,456.00	13,061.00	MWD (Sidetrack 1)	MWD	MWD - Standard

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Eastings (usft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.000	457,606.40	789,630.30
100.00	0.30	154.050	100.00	-0.24	-0.24	0.11	0.26	154.050	457,606.16	789,630.41
200.00	0.34	154.430	200.00	-0.75	-0.74	0.36	0.82	154.187	457,605.66	789,630.66
300.00	0.54	179.880	300.00	-1.49	-1.48	0.49	1.56	161.782	457,604.92	789,630.79
400.00	0.53	171.980	399.99	-2.42	-2.41	0.55	2.47	167.087	457,603.99	789,630.85
500.00	0.66	172.860	499.99	-3.45	-3.44	0.69	3.50	168.680	457,602.96	789,630.99
600.00	0.88	166.910	599.98	-4.77	-4.76	0.93	4.85	168.896	457,601.64	789,631.23
700.00	1.21	155.780	699.96	-6.50	-6.47	1.54	6.65	166.600	457,599.93	789,631.84
800.00	1.40	154.990	799.93	-8.59	-8.54	2.49	8.89	163.738	457,597.86	789,632.79
900.00	1.55	159.050	899.90	-10.98	-10.91	3.49	11.45	162.255	457,595.49	789,633.79
1,000.00	1.44	142.480	999.87	-13.26	-13.17	4.74	13.99	160.204	457,593.23	789,635.04
1,052.00	1.70	141.930	1,051.85	-14.40	-14.29	5.61	15.35	158.559	457,592.11	789,635.91
1,238.00	2.70	134.900	1,237.71	-19.76	-19.56	10.42	22.16	151.957	457,586.84	789,640.72
1,364.00	3.00	128.400	1,363.55	-24.00	-23.70	15.10	28.10	147.491	457,582.70	789,645.40
1,554.00	1.30	80.200	1,553.42	-26.85	-26.42	21.12	33.83	141.356	457,579.98	789,651.42
1,744.00	1.90	75.600	1,743.35	-25.80	-25.27	26.30	36.47	133.858	457,581.13	789,656.60
1,934.00	2.50	60.600	1,933.21	-23.12	-22.45	32.96	39.88	124.263	457,583.95	789,663.26
2,123.00	2.10	24.800	2,122.07	-18.06	-17.29	38.00	41.75	114.458	457,589.11	789,668.30
2,314.00	1.80	0.900	2,312.96	-11.91	-11.11	39.52	41.05	105.702	457,595.29	789,669.82
2,503.00	1.30	308.700	2,501.90	-7.57	-6.80	37.89	38.50	100.175	457,599.60	789,668.19



Completion Report

Company:	ReGeneration Energy Group LLC	Local Co-ordinate Reference:	Well Shearn State Com #1H
Project:	Lea County, New Mexico	TVD Reference:	RKB @ 3463.00usft (Original Well Elev)
Site:	Shearn State Com	MD Reference:	RKB @ 3463.00usft (Original Well Elev)
Well:	Shearn State Com #1H	North Reference:	Grid
Wellbore:	Sidetrack 1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack 1	Database:	EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
2,694.00	2.40	310.300	2,692.80	-3.54	-2.86	33.15	33.27	94.930	457,603.54	789,663.45
2,884.00	0.80	348.200	2,882.72	0.40	1.01	29.85	29.86	88.057	457,607.41	789,660.15
3,074.00	1.60	28.000	3,072.68	4.02	4.65	30.82	31.17	81.415	457,611.05	789,661.12
3,264.00	1.50	16.400	3,262.61	8.71	9.38	32.77	34.08	74.025	457,615.78	789,663.07
3,455.00	2.40	324.700	3,453.51	14.40	15.04	31.16	34.60	64.232	457,621.44	789,661.46
3,644.00	3.40	331.400	3,642.27	22.65	23.19	26.19	34.99	48.475	457,629.59	789,656.49
3,834.00	2.20	340.700	3,832.04	31.12	31.58	22.29	38.66	35.213	457,637.98	789,652.59
4,023.00	0.90	252.500	4,020.98	34.15	34.56	19.67	39.77	29.652	457,640.96	789,649.97
4,214.00	1.40	242.000	4,211.94	32.68	33.01	16.18	36.77	26.115	457,639.41	789,646.48
4,405.00	2.20	241.400	4,402.85	29.93	30.16	10.91	32.07	19.877	457,636.56	789,641.21
4,594.00	2.70	87.500	4,591.76	28.37	28.62	12.17	31.10	23.033	457,635.02	789,642.47
4,784.00	3.30	58.800	4,781.53	31.21	31.65	21.32	38.16	33.963	457,638.05	789,651.62
4,974.00	2.20	67.000	4,971.31	35.30	35.91	29.35	46.38	39.265	457,642.31	789,659.65
5,129.00	2.00	69.300	5,126.21	37.31	38.03	34.62	51.42	42.317	457,644.43	789,664.92
5,320.00	1.80	83.600	5,317.10	38.70	39.54	40.72	56.76	45.844	457,645.94	789,671.02
5,509.00	0.50	86.900	5,506.06	39.00	39.91	44.49	59.77	48.106	457,646.31	789,674.79
5,700.00	0.30	100.200	5,697.06	38.93	39.87	45.82	60.74	48.971	457,646.27	789,676.12
5,890.00	2.30	227.600	5,887.01	36.31	37.21	43.49	57.24	49.450	457,643.61	789,673.79
6,081.00	2.20	230.400	6,077.86	31.51	32.29	37.84	49.74	49.523	457,638.69	789,668.14
6,270.00	1.90	223.000	6,266.74	27.01	27.69	32.90	43.00	49.923	457,634.09	789,663.20
6,460.00	1.90	231.600	6,456.64	22.84	23.43	28.29	36.73	50.372	457,629.83	789,658.59
6,650.00	1.80	225.500	6,646.54	18.89	19.38	23.69	30.61	50.719	457,625.78	789,653.99
6,840.00	2.00	225.900	6,836.43	14.58	14.98	19.18	24.34	52.014	457,621.38	789,649.48
7,015.00	1.70	228.800	7,011.34	10.83	11.14	15.04	18.71	53.456	457,617.54	789,645.34
7,204.00	1.10	245.400	7,200.28	8.31	8.54	11.28	14.15	52.857	457,614.94	789,641.58
7,394.00	0.30	108.000	7,390.27	7.42	7.63	10.09	12.65	52.912	457,614.03	789,640.39
7,584.00	0.50	122.100	7,580.27	6.80	7.03	11.27	13.28	58.021	457,613.43	789,641.57



Completion Report

Company:	ReGeneration Energy Group LLC	Local Co-ordinate Reference:	Well Shearn State Com #1H
Project:	Lea County, New Mexico	TVD Reference:	RKB @ 3463.00usft (Original Well Elev)
Site:	Shearn State Com	MD Reference:	RKB @ 3463.00usft (Original Well Elev)
Well:	Shearn State Com #1H	North Reference:	Grid
Wellbore:	Sidetrack 1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack 1	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V (Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
7,773.00	0.50	114.200	7,769.26	6.00	6.26	12.72	14.17	63.798	457,612.66	789,643.02
7,963.00	0.50	139.600	7,959.26	5.00	5.29	14.01	14.98	69.326	457,611.69	789,644.31
8,064.00	0.40	130.900	8,060.25	4.42	4.72	14.56	15.31	72.040	457,611.12	789,644.86
8,096.00	0.60	115.700	8,092.25	4.27	4.57	14.80	15.49	72.822	457,610.97	789,645.10
8,127.00	2.80	16.900	8,123.24	4.92	5.23	15.16	16.04	70.975	457,611.63	789,645.46
8,159.00	8.30	16.200	8,155.08	7.87	8.20	16.04	18.01	62.927	457,614.60	789,646.34
8,190.00	11.40	14.100	8,185.62	12.96	13.32	17.41	21.92	52.581	457,619.72	789,647.71
8,222.00	14.00	12.700	8,216.83	19.77	20.16	19.03	27.73	43.344	457,626.56	789,649.33
8,254.00	18.00	10.400	8,247.58	28.38	28.81	20.77	35.52	35.798	457,635.21	789,651.07
8,285.00	22.00	8.400	8,276.71	38.80	39.27	22.49	45.25	29.800	457,645.67	789,652.79
8,317.00	25.70	7.300	8,305.97	51.58	52.08	24.25	57.45	24.963	457,658.48	789,654.55
8,349.00	28.60	6.300	8,334.44	66.04	66.58	25.97	71.46	21.307	457,672.98	789,656.27
8,381.00	29.10	5.900	8,362.47	81.35	81.93	27.61	86.46	18.622	457,688.33	789,657.91
8,412.00	31.90	5.300	8,389.18	96.97	97.59	29.14	101.85	16.625	457,703.99	789,659.44
8,444.00	36.00	4.900	8,415.72	114.74	115.39	30.72	119.41	14.911	457,721.79	789,661.03
Tie Into Original hole										
8,456.00	37.10	4.800	8,425.36	121.84	122.51	31.33	126.45	14.345	457,728.91	789,661.63
8,478.00	39.70	2.800	8,442.60	135.45	136.14	32.23	139.90	13.318	457,742.54	789,662.53
8,510.00	40.70	3.700	8,467.04	156.05	156.76	33.40	160.28	12.028	457,763.16	789,663.70
8,541.00	41.80	5.700	8,490.35	176.38	177.13	35.08	180.57	11.202	457,783.53	789,665.38
8,573.00	44.50	5.300	8,513.69	198.11	198.91	37.17	202.36	10.586	457,805.31	789,667.47
8,605.00	48.00	5.300	8,535.82	221.08	221.92	39.31	225.38	10.045	457,828.33	789,669.61
8,637.00	51.70	6.000	8,556.45	245.36	246.26	41.72	249.77	9.616	457,852.66	789,672.02
8,668.00	55.70	7.300	8,574.80	270.10	271.07	44.62	274.72	9.348	457,877.47	789,674.92
8,700.00	59.10	7.700	8,592.03	296.75	297.79	48.14	301.66	9.183	457,904.19	789,678.44
8,731.00	62.80	7.600	8,607.08	323.52	324.65	51.75	328.75	9.056	457,931.05	789,682.05
8,763.00	66.60	7.100	8,620.76	352.13	353.33	55.45	357.66	8.918	457,959.74	789,685.75



Completion Report

Company:	ReGeneration Energy Group LLC	Local Co-ordinate Reference:	Well Shearn State Com #1H
Project:	Lea County, New Mexico	TVD Reference:	RKB @ 3463.00usft (Original Well Elev)
Site:	Shearn State Com	MD Reference:	RKB @ 3463.00usft (Original Well Elev)
Well:	Shearn State Com #1H	North Reference:	Grid
Wellbore:	Sidetrack 1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack 1	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
8,795.00	71.20	8.100	8,632.27	381.63	382.92	59.40	387.50	8.817	457,989.32	789,689.70	
8,827.00	75.70	9.000	8,641.39	411.85	413.24	63.96	418.16	8.798	458,019.65	789,694.26	
8,858.00	79.60	7.900	8,648.02	441.70	443.19	68.41	448.44	8.774	458,049.59	789,698.71	
8,890.00	83.30	5.500	8,652.77	473.04	474.61	72.09	480.06	8.637	458,081.01	789,702.39	
8,921.00	87.60	3.100	8,655.23	503.79	505.42	74.41	510.87	8.375	458,111.82	789,704.71	
8,953.00	91.40	0.300	8,655.51	535.74	537.39	75.36	542.65	7.982	458,143.80	789,705.66	
8,985.00	93.30	358.300	8,654.20	567.71	569.36	74.97	574.28	7.501	458,175.76	789,705.27	
9,017.00	91.50	357.500	8,652.86	599.68	601.31	73.79	605.82	6.997	458,207.71	789,704.10	
9,049.00	90.10	357.000	8,652.41	631.66	633.27	72.26	637.38	6.510	458,239.67	789,702.56	
9,081.00	88.20	356.600	8,652.89	663.64	665.21	70.47	668.94	6.047	458,271.62	789,700.77	
9,113.00	88.40	356.300	8,653.84	695.59	697.14	68.49	700.50	5.611	458,303.54	789,698.79	
9,144.00	89.00	356.800	8,654.54	726.56	728.07	66.63	731.12	5.229	458,334.48	789,696.93	
9,176.00	89.60	356.900	8,654.93	758.54	760.02	64.87	762.79	4.879	458,366.43	789,695.17	
9,207.00	88.00	356.700	8,655.58	789.51	790.97	63.14	793.48	4.564	458,397.37	789,693.44	
9,239.00	85.80	356.500	8,657.31	821.44	822.86	61.25	825.14	4.257	458,429.27	789,691.55	
9,335.00	87.00	356.600	8,663.34	917.17	918.50	55.48	920.17	3.457	458,524.90	789,685.78	
9,430.00	88.30	356.200	8,667.23	1,012.01	1,013.23	49.52	1,014.44	2.798	458,619.63	789,679.82	
9,525.00	88.60	355.600	8,669.80	1,106.85	1,107.95	42.73	1,108.77	2.209	458,714.36	789,673.03	
9,620.00	88.40	354.800	8,672.29	1,201.62	1,202.58	34.78	1,203.09	1.657	458,808.99	789,665.08	
9,714.00	89.60	355.400	8,673.93	1,295.41	1,296.22	26.76	1,296.50	1.182	458,902.63	789,657.06	
9,809.00	88.20	355.600	8,675.76	1,390.23	1,390.91	19.30	1,391.04	0.795	458,997.32	789,649.80	
9,904.00	89.30	355.900	8,677.83	1,485.06	1,485.63	12.27	1,485.68	0.473	459,092.03	789,642.57	
9,999.00	87.30	356.300	8,680.65	1,579.91	1,580.36	5.81	1,580.37	0.211	459,186.77	789,636.11	
10,094.00	88.40	357.800	8,684.21	1,674.79	1,675.16	0.92	1,675.16	0.032	459,281.57	789,631.22	
10,189.00	89.40	359.100	8,686.03	1,769.77	1,770.11	-1.65	1,770.11	359.947	459,376.52	789,628.65	
10,284.00	90.30	358.900	8,686.28	1,864.77	1,865.09	-3.31	1,865.09	359.898	459,471.50	789,626.99	
10,379.00	88.30	358.800	8,687.44	1,959.76	1,960.06	-5.21	1,960.07	359.848	459,566.47	789,625.09	



Completion Report

Company:	ReGeneration Energy Group LLC	Local Co-ordinate Reference:	Well Shearn State Com #1H
Project:	Lea County, New Mexico	TVD Reference:	RKB @ 3463.00usft (Original Well Elev)
Site:	Shearn State Com	MD Reference:	RKB @ 3463.00usft (Original Well Elev)
Well:	Shearn State Com #1H	North Reference:	Grid
Wellbore:	Sidelrack 1	Survey Calculation Method:	Minimum Curvature
Design:	Sidelrack 1	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V (Sec) (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
10.474.00	89.50	359.100	8,689.27	2,054.74	2,055.02	-6.95	2,055.04	359.806	459,661.43	789,623.35	
10.569.00	89.70	358.700	8,689.93	2,149.73	2,150.00	-8.78	2,150.02	359.766	459,756.41	789,621.52	
10.664.00	89.20	359.000	8,690.84	2,244.73	2,244.98	-10.68	2,245.01	359.727	459,851.39	789,619.62	
10.759.00	87.30	359.100	8,693.74	2,339.68	2,339.92	-12.26	2,339.95	359.700	459,946.33	789,618.04	
10.854.00	88.60	358.900	8,697.14	2,434.62	2,434.84	-13.91	2,434.88	359.673	460,041.25	789,616.39	
10.949.00	89.80	358.900	8,698.47	2,529.61	2,529.81	-15.74	2,529.86	359.644	460,136.23	789,614.56	
11.044.00	90.50	357.900	8,698.22	2,624.60	2,624.77	-18.39	2,624.84	359.599	460,231.19	789,611.91	
11.139.00	91.20	357.800	8,696.81	2,719.58	2,719.70	-21.95	2,719.78	359.538	460,326.11	789,608.35	
11.233.00	87.90	356.500	8,697.55	2,813.52	2,813.56	-26.63	2,813.69	359.458	460,419.98	789,603.67	
11.327.00	88.00	357.900	8,700.91	2,907.42	2,907.39	-31.21	2,907.55	359.385	460,513.80	789,599.09	
11.422.00	90.90	359.000	8,701.82	3,002.40	3,002.34	-33.78	3,002.53	359.355	460,608.75	789,596.52	
11.518.00	90.50	359.000	8,700.65	3,098.39	3,098.31	-35.46	3,098.52	359.344	460,704.73	789,594.84	
11.559.00	88.30	359.300	8,701.08	3,139.39	3,139.30	-36.07	3,139.51	359.342	460,745.72	789,594.23	
11.644.00	88.30	359.000	8,703.60	3,224.35	3,224.26	-37.33	3,224.47	359.337	460,830.67	789,592.97	
11.740.00	89.60	359.300	8,705.36	3,320.33	3,320.23	-38.75	3,320.45	359.331	460,926.65	789,591.55	
11.835.00	87.70	358.800	8,707.60	3,415.30	3,415.18	-40.33	3,415.42	359.323	461,021.60	789,589.97	
11.931.00	87.80	358.800	8,711.37	3,511.22	3,511.09	-42.33	3,511.34	359.309	461,117.51	789,587.96	
12.025.00	88.50	359.000	8,714.40	3,605.17	3,605.02	-44.14	3,605.29	359.299	461,211.44	789,586.16	
12.119.00	89.30	358.300	8,716.21	3,699.15	3,698.98	-46.35	3,699.27	359.282	461,305.40	789,583.95	
12.214.00	89.20	359.200	8,717.45	3,794.14	3,793.95	-48.42	3,794.26	359.269	461,400.37	789,581.87	
12.310.00	90.00	359.700	8,718.12	3,890.13	3,889.94	-49.35	3,890.25	359.273	461,496.36	789,580.95	
12.404.00	90.30	359.600	8,717.87	3,984.12	3,983.94	-49.92	3,984.25	359.282	461,590.36	789,580.38	
12.500.00	87.10	358.300	8,720.05	4,080.09	4,079.88	-51.68	4,080.21	359.274	461,686.30	789,578.62	
12.595.00	87.70	357.500	8,724.36	4,174.97	4,174.72	-55.16	4,175.08	359.243	461,781.14	789,575.14	
12.689.00	89.60	357.100	8,726.58	4,268.91	4,268.58	-59.58	4,269.00	359.200	461,875.01	789,570.72	
12.784.00	91.30	357.500	8,725.83	4,363.87	4,363.47	-64.06	4,363.94	359.159	461,969.89	789,566.24	
12.879.00	91.50	356.900	8,723.51	4,458.80	4,458.33	-68.70	4,458.86	359.117	462,064.75	789,561.60	



Completion Report

Company:	ReGeneration Energy Group LLC	Local Co-ordinate Reference:	Well Shearn State Com #1H
Project:	Lea County, New Mexico	TVD Reference:	RKB @ 3463.00usft (Original Well Elev)
Site:	Shearn State Com	MD Reference:	RKB @ 3463.00usft (Original Well Elev)
Well:	Shearn State Com #1H	North Reference:	Grid
Wellbore:	Sidetrack 1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack 1	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc. (°)	Azi (azimuth) (°)	TVD (usft)	V Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
12,974.00	89.20	357.100	8,722.93	4,553.75	4,553.19	-73.67	4,553.79	359.073	462,159.61	789,556.63
13,009.00	89.70	356.800	8,723.26	4,588.72	4,588.14	-75.53	4,588.76	359.057	462,194.56	789,554.77
13,061.00	89.70	356.800	8,723.54	4,640.69	4,640.06	-78.43	4,640.72	359.032	462,246.48	789,551.87
Survey projected ST										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,444.00	8,415.72	115.39	30.72	Tie into Original hole
13,061.00	8,723.54	4,640.06	-78.43	Survey projected ST

Checked By: Mike Coats Approved By: [Signature] Date: 11-14-12