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JAN 4 2015  
HOBBS CO

State of New Mexico  
County of Lea

30-025-41924

I, Michael K. Baber, certify that: I am employed by Terra Directional Services LLC; that I did on the day(s) of 12/08/2014 through 12/16/2014 conduct or supervise the taking of a MWD survey from a depth of 9742 feet to a depth 14800 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Terra Directional Services LLC; that I am authorized and qualified to make this report; that this survey was conducted at the request of Regeneration Energy Corp for the E. Livingston Federal 31 #6H Well API 30-025-41926 in Lea County, New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Terra Directional Services LLC.

Michael K. Baber  
MWD Operations Manager

State of Texas  
County of Montgomery

Before me, a notary public, on this day personally appeared Michael K. Baber, known to me to be the person whose name is subscribed to the foregoing document and, being by me first duly sworn, declared that the statements therein contained are true and correct.

  
Notary Public's Signature

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Customer Name: Regeneration Energy  
 Well Name: E Livingston 31 Fed #6  
 API Number: 30-025-41926  
 County / Parish: Lea County, NM

M.W.D. Operator: Tyler Hill  
 Directional Driller: Chuck Adams  
 Total Magnetic Correction: 7.01  
 Job #: NM-494

Vertical Section: 0.00

Tie In Survey(s) Provided By:

|          | Meas. Depth | Inc.  | Azm.   | T.V.D.   | Ver. Sect. | +N / -S | +E / -W | Dist.   | Angle  | DLS   |
|----------|-------------|-------|--------|----------|------------|---------|---------|---------|--------|-------|
| Tie - In |             |       |        |          |            |         |         |         |        |       |
| 0        | 9697.00     | 0.84  | 328.22 | 9696.40  | -8.57      | -8.57   | 3.21    | 9.15    | 159.47 | 0.36  |
| 1        | 9742.00     | 1.10  | 302.00 | 9741.39  | -8.06      | -8.06   | 2.67    | 8.49    | 161.67 | 1.13  |
| 2        | 9773.00     | 0.70  | 293.20 | 9772.39  | -7.83      | -7.83   | 2.24    | 8.14    | 164.01 | 1.36  |
| 3        | 9805.00     | 2.50  | 13.70  | 9804.38  | -7.07      | -7.07   | 2.23    | 7.42    | 162.51 | 7.76  |
| 4        | 9837.00     | 6.30  | 21.80  | 9836.28  | -4.76      | -4.76   | 3.05    | 5.66    | 147.40 | 12.00 |
| 5        | 9869.00     | 10.00 | 20.00  | 9867.95  | -0.52      | -0.52   | 4.65    | 4.68    | 96.40  | 11.59 |
| 6        | 9900.00     | 14.10 | 16.90  | 9898.26  | 5.62       | 5.62    | 6.67    | 8.72    | 49.86  | 13.38 |
| 7        | 9932.00     | 17.60 | 14.00  | 9929.04  | 14.05      | 14.05   | 8.97    | 16.67   | 32.57  | 11.21 |
| 8        | 9964.00     | 20.80 | 10.90  | 9959.26  | 24.33      | 24.33   | 11.22   | 26.79   | 24.76  | 10.49 |
| 9        | 9996.00     | 25.20 | 9.10   | 9988.71  | 36.64      | 36.64   | 13.37   | 39.00   | 20.05  | 13.92 |
| 10       | 10027.00    | 29.40 | 9.10   | 10016.25 | 50.67      | 50.67   | 15.62   | 53.03   | 17.13  | 13.55 |
| 11       | 10059.00    | 32.20 | 9.50   | 10043.73 | 66.84      | 66.84   | 18.27   | 69.29   | 15.29  | 8.77  |
| 12       | 10091.00    | 36.40 | 9.80   | 10070.16 | 84.62      | 84.62   | 21.29   | 87.25   | 14.13  | 13.14 |
| 13       | 10123.00    | 39.80 | 9.10   | 10095.34 | 104.09     | 104.09  | 24.53   | 106.94  | 13.26  | 10.71 |
| 14       | 10154.00    | 43.80 | 8.10   | 10118.44 | 124.52     | 124.52  | 27.61   | 127.54  | 12.50  | 13.08 |
| 15       | 10186.00    | 48.60 | 7.00   | 10140.59 | 147.41     | 147.41  | 30.64   | 150.56  | 11.74  | 15.20 |
| 16       | 10218.00    | 53.50 | 6.30   | 10160.70 | 172.12     | 172.12  | 33.51   | 175.35  | 11.02  | 15.41 |
| 17       | 10249.00    | 58.80 | 5.60   | 10177.96 | 197.72     | 197.72  | 36.18   | 201.00  | 10.37  | 17.20 |
| 18       | 10281.00    | 62.80 | 5.30   | 10193.57 | 225.52     | 225.52  | 38.83   | 228.84  | 9.77   | 12.53 |
| 19       | 10313.00    | 65.50 | 4.50   | 10207.52 | 254.21     | 254.21  | 41.29   | 257.54  | 9.22   | 8.73  |
| 20       | 10344.00    | 68.30 | 4.50   | 10219.68 | 282.63     | 282.63  | 43.52   | 285.96  | 8.75   | 9.03  |
| 21       | 10376.00    | 71.10 | 4.20   | 10230.78 | 312.55     | 312.55  | 45.80   | 315.89  | 8.34   | 8.79  |
| 22       | 10408.00    | 73.50 | 3.50   | 10240.51 | 342.97     | 342.97  | 47.84   | 346.29  | 7.94   | 7.78  |
| 23       | 10439.00    | 75.80 | 2.80   | 10248.71 | 372.82     | 372.82  | 49.48   | 376.09  | 7.56   | 7.73  |
| 24       | 10472.00    | 77.60 | 3.50   | 10256.31 | 404.88     | 404.88  | 51.25   | 408.11  | 7.21   | 5.83  |
| 25       | 10503.00    | 80.20 | 4.20   | 10262.27 | 435.23     | 435.23  | 53.29   | 438.48  | 6.98   | 8.67  |
| 26       | 10535.00    | 82.50 | 3.10   | 10267.09 | 466.80     | 466.80  | 55.31   | 470.06  | 6.76   | 7.95  |
| 27       | 10567.00    | 84.30 | 2.10   | 10270.76 | 498.55     | 498.55  | 56.75   | 501.77  | 6.49   | 6.42  |
| 28       | 10630.00    | 87.60 | 2.40   | 10275.21 | 561.34     | 561.34  | 59.21   | 564.45  | 6.02   | 5.26  |
| 29       | 10725.00    | 89.00 | 2.80   | 10278.03 | 656.19     | 656.19  | 63.52   | 659.26  | 5.53   | 1.53  |
| 30       | 10820.00    | 91.00 | 2.40   | 10278.03 | 751.09     | 751.09  | 67.83   | 754.15  | 5.16   | 2.15  |
| 31       | 10916.00    | 92.60 | 2.40   | 10275.02 | 846.96     | 846.96  | 71.85   | 850.00  | 4.85   | 1.67  |
| 32       | 11011.00    | 92.90 | 0.30   | 10270.46 | 941.82     | 941.82  | 74.09   | 944.73  | 4.50   | 2.23  |
| 33       | 11106.00    | 91.80 | 359.30 | 10266.56 | 1036.73    | 1036.73 | 73.75   | 1039.35 | 4.07   | 1.56  |
| 34       | 11201.00    | 87.60 | 358.90 | 10267.06 | 1131.70    | 1131.70 | 72.26   | 1134.00 | 3.65   | 4.44  |
| 35       | 11296.00    | 88.00 | 357.90 | 10270.71 | 1226.59    | 1226.59 | 69.61   | 1228.56 | 3.25   | 1.13  |
| 36       | 11391.00    | 89.40 | 357.50 | 10272.86 | 1321.49    | 1321.49 | 65.80   | 1323.12 | 2.85   | 1.53  |
| 37       | 11486.00    | 89.20 | 357.50 | 10274.02 | 1416.39    | 1416.39 | 61.66   | 1417.73 | 2.49   | 0.21  |
| 38       | 11581.00    | 89.60 | 357.50 | 10275.02 | 1511.29    | 1511.29 | 57.51   | 1512.39 | 2.18   | 0.42  |
| 39       | 11676.00    | 91.00 | 357.20 | 10274.52 | 1606.19    | 1606.19 | 53.12   | 1607.07 | 1.89   | 1.51  |
| 40       | 11772.00    | 90.30 | 358.20 | 10273.43 | 1702.10    | 1702.10 | 49.27   | 1702.82 | 1.66   | 1.27  |
| 41       | 11867.00    | 89.20 | 357.50 | 10273.85 | 1797.03    | 1797.03 | 45.70   | 1797.61 | 1.46   | 1.37  |
| 42       | 11962.00    | 91.30 | 357.50 | 10273.43 | 1891.94    | 1891.94 | 41.56   | 1892.39 | 1.26   | 2.21  |
| 43       | 12057.00    | 90.60 | 357.90 | 10271.86 | 1986.85    | 1986.85 | 37.75   | 1987.20 | 1.09   | 0.85  |



*[Signature]*

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|     |          |       |        |          |         |         |       |         |      |      |
|-----|----------|-------|--------|----------|---------|---------|-------|---------|------|------|
| 44  | 12152.00 | 89.60 | 359.60 | 10271.69 | 2081.82 | 2081.82 | 35.68 | 2082.12 | 0.98 | 2.08 |
| 45  | 12247.00 | 87.80 | 1.00   | 10273.85 | 2176.79 | 2176.79 | 36.17 | 2177.09 | 0.95 | 2.40 |
| 46  | 12342.00 | 88.90 | 1.40   | 10276.58 | 2271.72 | 2271.72 | 38.16 | 2272.04 | 0.96 | 1.23 |
| 47  | 12437.00 | 87.60 | 1.00   | 10279.48 | 2366.66 | 2366.66 | 40.15 | 2367.00 | 0.97 | 1.43 |
| 48  | 12532.00 | 88.70 | 0.30   | 10282.55 | 2461.60 | 2461.60 | 41.23 | 2461.94 | 0.96 | 1.37 |
| 49  | 12627.00 | 88.50 | 0.70   | 10284.87 | 2556.57 | 2556.57 | 42.06 | 2556.91 | 0.94 | 0.47 |
| 50  | 12722.00 | 90.80 | 0.70   | 10285.45 | 2651.55 | 2651.55 | 43.22 | 2651.90 | 0.93 | 2.42 |
| 51  | 12817.00 | 90.10 | 1.00   | 10284.70 | 2746.54 | 2746.54 | 44.63 | 2746.90 | 0.93 | 0.80 |
| 52  | 12912.00 | 89.00 | 0.00   | 10285.45 | 2841.53 | 2841.53 | 45.46 | 2841.89 | 0.92 | 1.56 |
| 53  | 13007.00 | 89.20 | 358.90 | 10286.94 | 2936.51 | 2936.51 | 44.54 | 2936.85 | 0.87 | 1.18 |
| 54  | 13102.00 | 89.60 | 357.90 | 10287.94 | 3031.47 | 3031.47 | 41.89 | 3031.76 | 0.79 | 1.13 |
| 55  | 13197.00 | 90.30 | 356.80 | 10288.02 | 3126.36 | 3126.36 | 37.50 | 3126.59 | 0.69 | 1.37 |
| 56  | 13293.00 | 91.10 | 356.50 | 10286.85 | 3222.19 | 3222.19 | 31.89 | 3222.35 | 0.57 | 0.89 |
| 57  | 13388.00 | 92.00 | 357.90 | 10284.29 | 3317.04 | 3317.04 | 27.25 | 3317.15 | 0.47 | 1.75 |
| 58  | 13483.00 | 90.60 | 357.90 | 10282.12 | 3411.95 | 3411.95 | 23.77 | 3412.03 | 0.40 | 1.47 |
| 59  | 13578.00 | 91.00 | 357.90 | 10280.80 | 3506.88 | 3506.88 | 20.29 | 3506.93 | 0.33 | 0.42 |
| 60  | 13673.00 | 90.60 | 358.90 | 10279.47 | 3601.83 | 3601.83 | 17.64 | 3601.87 | 0.28 | 1.13 |
| 61  | 13768.00 | 91.30 | 358.90 | 10277.89 | 3696.80 | 3696.80 | 15.81 | 3696.83 | 0.25 | 0.74 |
| 62  | 13863.00 | 90.10 | 0.00   | 10276.73 | 3791.78 | 3791.78 | 14.90 | 3791.81 | 0.23 | 1.71 |
| 63  | 13959.00 | 91.50 | 0.00   | 10275.39 | 3887.77 | 3887.77 | 14.90 | 3887.80 | 0.22 | 1.46 |
| 64  | 14054.00 | 90.30 | 0.00   | 10273.90 | 3982.76 | 3982.76 | 14.90 | 3982.79 | 0.21 | 1.26 |
| 65  | 14149.00 | 92.40 | 0.30   | 10271.66 | 4077.73 | 4077.73 | 15.15 | 4077.75 | 0.21 | 2.23 |
| 66  | 14244.00 | 93.40 | 359.60 | 10266.86 | 4172.60 | 4172.60 | 15.07 | 4172.63 | 0.21 | 1.28 |
| 67  | 14339.00 | 93.40 | 0.70   | 10261.22 | 4267.43 | 4267.43 | 15.32 | 4267.46 | 0.21 | 1.16 |
| 68  | 14434.00 | 94.10 | 1.00   | 10255.01 | 4362.22 | 4362.22 | 16.72 | 4362.25 | 0.22 | 0.80 |
| 69  | 14529.00 | 94.00 | 0.30   | 10248.30 | 4456.97 | 4456.97 | 17.80 | 4457.01 | 0.23 | 0.74 |
| 70  | 14624.00 | 93.60 | 0.70   | 10242.00 | 4551.76 | 4551.76 | 18.62 | 4551.80 | 0.23 | 0.59 |
| 71  | 14720.00 | 95.00 | 0.70   | 10234.81 | 4647.48 | 4647.48 | 19.79 | 4647.52 | 0.24 | 1.46 |
| 72  | 14749.00 | 95.50 | 0.30   | 10232.15 | 4676.36 | 4676.36 | 20.05 | 4676.40 | 0.25 | 2.20 |
| PTB | 14800.00 | 95.50 | 0.31   | 10227.26 | 4727.12 | 4727.12 | 20.32 | 4727.17 | 0.25 | 0.02 |

