



PRINCIPLE ENVIRONMENTAL, LLC

Continuous Monitoring
Sound Level Survey
Fairview Pad
East Monitoring Location
Weld County, Colorado
5/26/2016

Prepared for:

Extraction Oil & Gas, LLC
2234 117 Avenue
Greeley, Colorado 80634

Prepared by:

Principle Environmental, LLC
201 West Ranch Court
Weatherford, Texas 76087

June 1, 2016

Description of attachments:

#1 – Table showing the 15 minute averages of LAeq and LCeq values for the recorded data. This table lists the LAeq and LCeq values for each 15 minute period.

#2 – Graph showing Minute LAeq values for the recorded data.

#3 – Graph showing Minute LCeq values for the recorded data.

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| Timestamp | LAeq (dBA) | LCeq (dBC) | Timestamp | LAeq (dBA) | LCeq (dBC) |
|------------------|------------|------------|------------------|------------|------------|
| 5/26/16 12:00 AM | 62.04 | 74.81 | 5/26/16 9:15 AM | 58.69 | 69.24 |
| 5/26/16 12:15 AM | 63.29 | 75.53 | 5/26/16 9:30 AM | 56.98 | 66.24 |
| 5/26/16 12:30 AM | 58.64 | 75.14 | 5/26/16 9:45 AM | 59.65 | 66.66 |
| 5/26/16 12:45 AM | 57.62 | 74.98 | 5/26/16 10:00 AM | 62.01 | 65.64 |
| 5/26/16 1:00 AM | 51.66 | 74.10 | 5/26/16 10:15 AM | 61.82 | 67.89 |
| 5/26/16 1:15 AM | 59.23 | 74.79 | 5/26/16 10:30 AM | 58.62 | 71.20 |
| 5/26/16 1:30 AM | 56.68 | 75.26 | 5/26/16 10:45 AM | 46.73 | 64.33 |
| 5/26/16 1:45 AM | 52.65 | 74.18 | 5/26/16 11:00 AM | 46.36 | 63.26 |
| 5/26/16 2:00 AM | 56.67 | 74.66 | 5/26/16 11:15 AM | 40.87 | 63.57 |
| 5/26/16 2:15 AM | 57.53 | 75.20 | 5/26/16 11:30 AM | 44.02 | 62.56 |
| 5/26/16 2:30 AM | 57.21 | 74.10 | 5/26/16 11:45 AM | 42.88 | 63.47 |
| 5/26/16 2:45 AM | 61.90 | 75.38 | 5/26/16 12:00 PM | 43.46 | 65.25 |
| 5/26/16 3:00 AM | 58.33 | 74.88 | 5/26/16 12:15 PM | 44.35 | 64.87 |
| 5/26/16 3:15 AM | 57.89 | 74.93 | 5/26/16 12:30 PM | 45.83 | 65.49 |
| 5/26/16 3:30 AM | 58.19 | 75.34 | 5/26/16 12:45 PM | 43.31 | 63.87 |
| 5/26/16 3:45 AM | 53.68 | 75.07 | 5/26/16 1:00 PM | 39.84 | 62.30 |
| 5/26/16 4:00 AM | 61.60 | 75.51 | 5/26/16 1:15 PM | 42.15 | 62.35 |
| 5/26/16 4:15 AM | 51.44 | 74.83 | 5/26/16 1:30 PM | 48.46 | 64.65 |
| 5/26/16 4:30 AM | 52.46 | 71.46 | 5/26/16 1:45 PM | 40.65 | 63.55 |
| 5/26/16 4:45 AM | 53.45 | 72.16 | 5/26/16 2:00 PM | 46.22 | 63.79 |
| 5/26/16 5:00 AM | 58.30 | 74.32 | 5/26/16 2:15 PM | 60.09 | 70.88 |
| 5/26/16 5:15 AM | 60.54 | 76.23 | 5/26/16 2:30 PM | 67.96 | 78.00 |
| 5/26/16 5:30 AM | 57.80 | 74.71 | 5/26/16 2:45 PM | 64.21 | 73.46 |
| 5/26/16 5:45 AM | 61.98 | 76.22 | 5/26/16 3:00 PM | 52.46 | 70.15 |
| 5/26/16 6:00 AM | 54.06 | 74.30 | 5/26/16 3:15 PM | 44.80 | 63.06 |
| 5/26/16 6:15 AM | 50.72 | 72.03 | 5/26/16 3:30 PM | 44.28 | 61.68 |
| 5/26/16 6:30 AM | 55.94 | 73.49 | 5/26/16 3:45 PM | 42.36 | 64.01 |
| 5/26/16 6:45 AM | 57.19 | 74.00 | 5/26/16 4:00 PM | 44.39 | 69.80 |
| 5/26/16 7:00 AM | 52.53 | 73.89 | 5/26/16 4:15 PM | 42.88 | 68.97 |
| 5/26/16 7:15 AM | 56.00 | 73.65 | 5/26/16 4:30 PM | 42.35 | 64.49 |
| 5/26/16 7:30 AM | 60.24 | 73.76 | 5/26/16 4:45 PM | 41.97 | 60.34 |
| 5/26/16 7:45 AM | 54.74 | 72.10 | 5/26/16 5:00 PM | 43.19 | 60.66 |
| 5/26/16 8:00 AM | 47.29 | 71.00 | 5/26/16 5:15 PM | 43.19 | 61.79 |
| 5/26/16 8:15 AM | 47.18 | 68.62 | 5/26/16 5:30 PM | 42.36 | 69.49 |
| 5/26/16 8:30 AM | 45.48 | 66.63 | 5/26/16 5:45 PM | 42.13 | 69.37 |
| 5/26/16 8:45 AM | 60.58 | 66.76 | 5/26/16 6:00 PM | 42.47 | 63.58 |
| 5/26/16 9:00 AM | 56.49 | 68.81 | 5/26/16 6:15 PM | 43.36 | 64.95 |

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| Timestamp | LAeq (dBA) | LCeq (dBC) | Timestamp | LAeq (dBA) | LCeq (dBC) |
|-----------------|------------|------------|------------------|------------|------------|
| 5/26/16 6:30 PM | 45.06 | 61.16 | 5/26/16 9:15 PM | 43.80 | 69.81 |
| 5/26/16 6:45 PM | 49.09 | 66.44 | 5/26/16 9:30 PM | 46.40 | 69.76 |
| 5/26/16 7:00 PM | 53.40 | 71.58 | 5/26/16 9:45 PM | 46.98 | 69.58 |
| 5/26/16 7:15 PM | 51.99 | 70.52 | 5/26/16 10:00 PM | 47.68 | 70.34 |
| 5/26/16 7:30 PM | 51.43 | 70.52 | 5/26/16 10:15 PM | 47.51 | 70.97 |
| 5/26/16 7:45 PM | 50.44 | 71.11 | 5/26/16 10:30 PM | 47.32 | 68.82 |
| 5/26/16 8:00 PM | 51.25 | 70.94 | 5/26/16 10:45 PM | 46.38 | 67.61 |
| 5/26/16 8:15 PM | 52.04 | 70.45 | 5/26/16 11:00 PM | 47.08 | 68.38 |
| 5/26/16 8:30 PM | 48.20 | 70.57 | 5/26/16 11:15 PM | 47.28 | 67.58 |
| 5/26/16 8:45 PM | 46.13 | 70.15 | 5/26/16 11:30 PM | 44.74 | 67.25 |
| 5/26/16 9:00 PM | 44.80 | 70.03 | 5/26/16 11:45 PM | 42.42 | 66.50 |



