PRINCIPLE ENVIRONMENTAL, LLC

Continuous Monitoring
Sound Level Survey

Fairview Pad

East Monitoring Location

Weld County, Colorado

5/28/2016

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)
5/28/16 12:00 AM	57.76	70.16	5/28/16 9:15 AM	54.85	70.50
5/28/16 12:15 AM	57.50	70.43	5/28/16 9:30 AM	55.56	69.27
5/28/16 12:30 AM	57.16	70.78	5/28/16 9:45 AM	55.97	69.97
5/28/16 12:45 AM	57.33	69.48	5/28/16 10:00 AM	55.56	70.14
5/28/16 1:00 AM	56.43	70.46	5/28/16 10:15 AM	55.45	68.97
5/28/16 1:15 AM	57.26	70.59	5/28/16 10:30 AM	55.40	70.67
5/28/16 1:30 AM	57.19	69.59	5/28/16 10:45 AM	55.68	69.26
5/28/16 1:45 AM	57.03	70.82	5/28/16 11:00 AM	55.85	70.43
5/28/16 2:00 AM	57.10	70.36	5/28/16 11:15 AM	58.41	71.20
5/28/16 2:15 AM	57.54	70.23	5/28/16 11:30 AM	55.15	69.59
5/28/16 2:30 AM	57.51	71.22	5/28/16 11:45 AM	54.98	70.36
5/28/16 2:45 AM	57.49	70.06	5/28/16 12:00 PM	54.76	68.23
5/28/16 3:00 AM	57.23	70.63	5/28/16 12:15 PM	54.28	69.97
5/28/16 3:15 AM	57.60	71.15	5/28/16 12:30 PM	54.36	69.52
5/28/16 3:30 AM	57.26	69.49	5/28/16 12:45 PM	53.87	68.71
5/28/16 3:45 AM	57.15	70.79	5/28/16 1:00 PM	54.39	69.88
5/28/16 4:00 AM	56.98	70.58	5/28/16 1:15 PM	54.49	68.24
5/28/16 4:15 AM	57.18	69.81	5/28/16 1:30 PM	54.23	69.35
5/28/16 4:30 AM	57.37	71.15	5/28/16 1:45 PM	54.63	69.38
5/28/16 4:45 AM	57.49	70.42	5/28/16 2:00 PM	54.00	68.66
5/28/16 5:00 AM	57.06	69.85	5/28/16 2:15 PM	54.08	69.98
5/28/16 5:15 AM	57.15	70.83	5/28/16 2:30 PM	53.27	68.32
5/28/16 5:30 AM	57.22	70.01	5/28/16 2:45 PM	53.73	69.36
5/28/16 5:45 AM	57.15	70.11	5/28/16 3:00 PM	53.73	69.54
5/28/16 6:00 AM	58.08	70.92	5/28/16 3:15 PM	53.65	68.20
5/28/16 6:15 AM	57.45	69.61	5/28/16 3:30 PM	53.95	69.52
5/28/16 6:30 AM	57.00	70.62	5/28/16 3:45 PM	53.97	68.70
5/28/16 6:45 AM	56.73	70.70	5/28/16 4:00 PM	53.65	69.42
5/28/16 7:00 AM	56.75	69.53	5/28/16 4:15 PM	54.14	69.07
5/28/16 7:15 AM	56.25	70.47	5/28/16 4:30 PM	54.30	67.47
5/28/16 7:30 AM	56.32	69.73	5/28/16 4:45 PM	54.45	70.17
5/28/16 7:45 AM	56.18	69.37	5/28/16 5:00 PM	54.05	68.97
5/28/16 8:00 AM	56.34	70.45	5/28/16 5:15 PM	54.58	69.39
5/28/16 8:15 AM	56.12	69.32	5/28/16 5:30 PM	54.48	70.01
5/28/16 8:30 AM	55.80	69.98	5/28/16 5:45 PM	54.21	68.24
5/28/16 8:45 AM	55.77	70.03	5/28/16 6:00 PM	54.34	69.02
5/28/16 9:00 AM	55.33	68.60	5/28/16 6:15 PM	54.36	69.26

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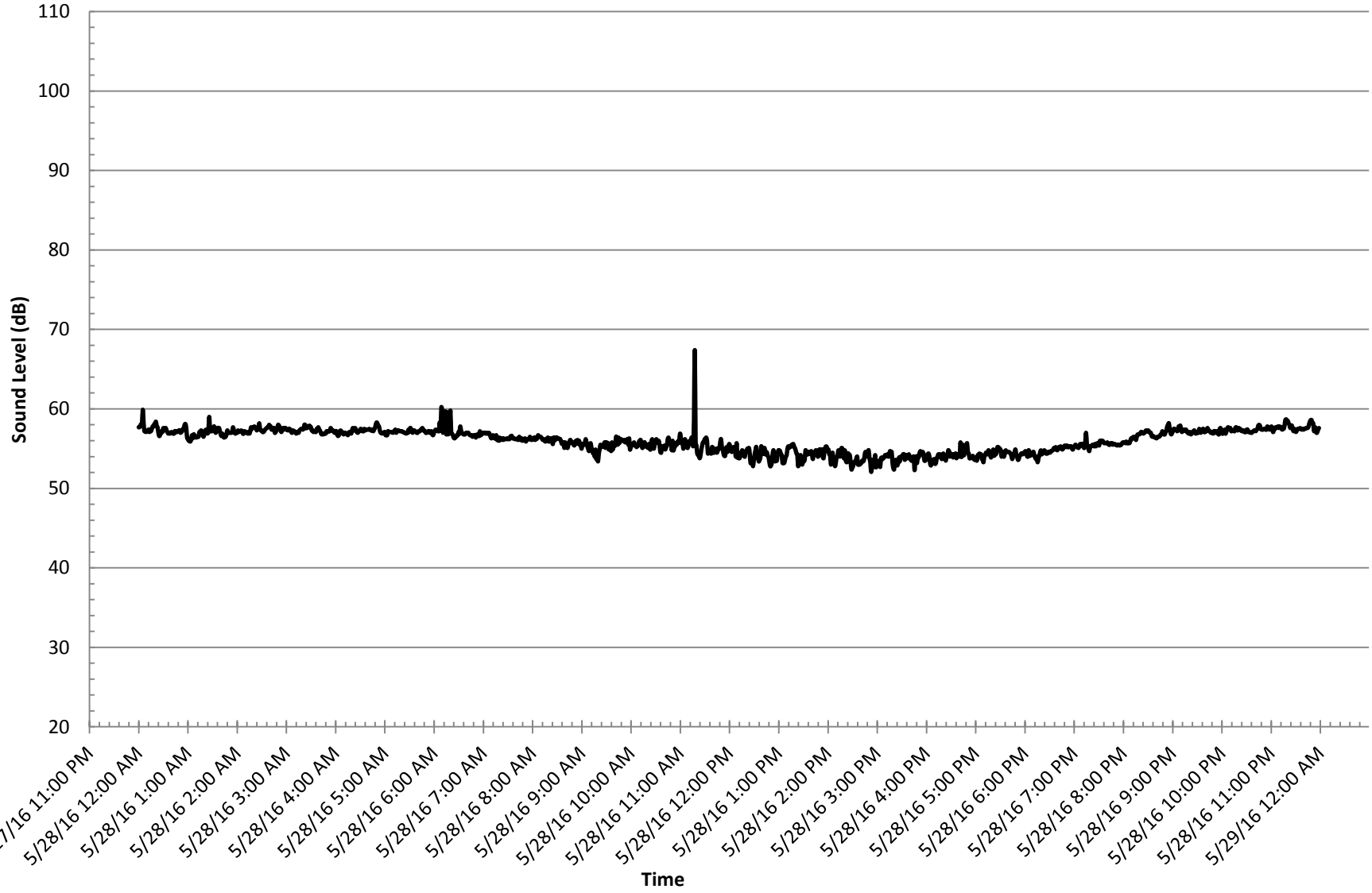
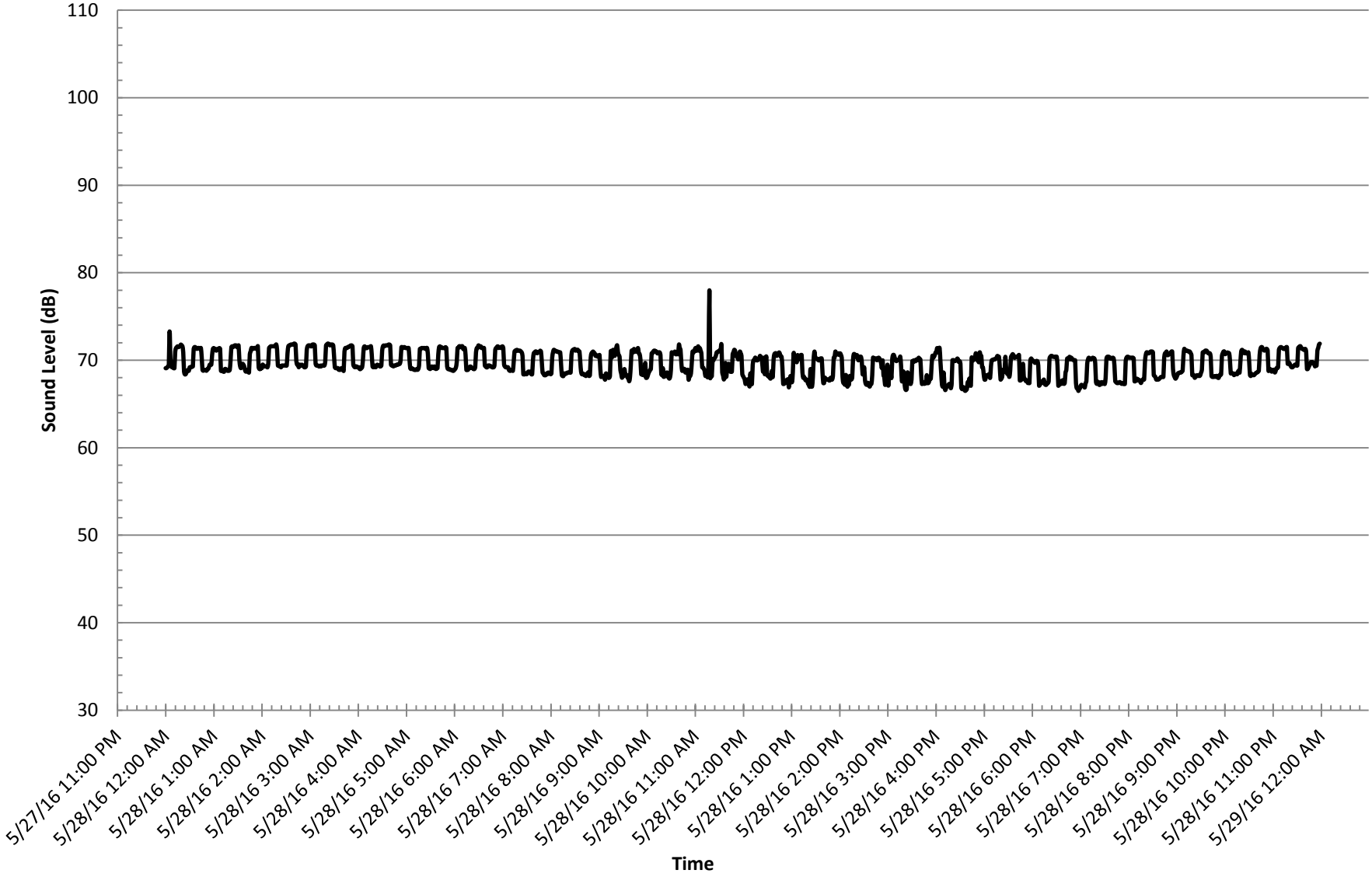
(Continued)

Timestamp	LAeq (dBA)	LCeq (dBC)	Timestamp	LAeq (dBA)	LCeq (dBC)
5/28/16 6:30 PM	54.93	68.46	5/28/16 9:15 PM	57.10	69.30
5/28/16 6:45 PM	55.18	69.31	5/28/16 9:30 PM	57.26	70.36
5/28/16 7:00 PM	55.36	68.56	5/28/16 9:45 PM	57.14	68.83
5/28/16 7:15 PM	55.49	68.50	5/28/16 10:00 PM	57.28	69.81
5/28/16 7:30 PM	55.74	69.65	5/28/16 10:15 PM	57.36	70.22
5/28/16 7:45 PM	55.55	68.12	5/28/16 10:30 PM	57.22	68.94
5/28/16 8:00 PM	55.99	69.28	5/28/16 10:45 PM	57.58	70.62
5/28/16 8:15 PM	56.88	69.77	5/28/16 11:00 PM	57.60	70.25
5/28/16 8:30 PM	56.71	68.54	5/28/16 11:15 PM	57.96	70.06
5/28/16 8:45 PM	57.21	70.24	5/28/16 11:30 PM	57.46	70.87
5/28/16 9:00 PM	57.41	69.71	5/28/16 11:45 PM	57.83	70.18

Principle Energy Services
Real-Time Continuous Monitoring

DataTime Series Plot - Real-Time Continuous Decibel Level (dBA)
Fairview Pad
East Monitoring Location Point
Saturday 5/28/2016 12:00 a.m. Through 11:59 p.m.



Principle Energy Services
Real-Time Continuous Monitoring

DataTime Series Plot - Real-Time Continuous Decibel Level (dBC)
Fairview Pad
East Monitoring Location Point
Saturday 5/28/2016 12:00 a.m. Through 11:59 p.m.