



Public Health and Environment, Health and Human Services
Oil and Gas Inspection Program
2015 Baseline Assessment

From February through December 2015, the oil and gas inspector conducted two site visits at active oil and gas sites that are associated with wells operating within the City and County of Broomfield. The site visits allowed the City and County of Broomfield to gather data for a baseline assessment and evaluate current conditions in the field. This spreadsheet shows data collected from the checklist utilized at site visits. The checklist provides yes, no, or not applicable (N/A) responses for compliance items.

OPERATOR	SITE NAME	ACCESS	DATE	WELLS	INVENTORY	THIEF CLOSED	AEROMETRIC INFORMATION RETRIEVAL SYSTEM IDENTIFICATION (AIRS ID)	EMISSION CONTROL DEVICE (ECD)	TYPE	VISIBLE EMISSIONS	INFRARED (IR) CAMERA	NOTIFICATION	RESPONSE	REPAIR	CONFIRM	AUTO-IGNITER	PLUNGER LIFT	BASELINE WATER SAMPLING	WATERWAYS	CONTAINMENT	PROPER SIGNS	DEBRIS	ACCESS ROAD	SPILLS/LEAKS	RESIDENTIAL/SCHOOLS/ETC.	PRODUCED WATER	HYDROGEN SULFIDE WARNING	ANCHORING	HISTORICAL RELEASE	NOISE IMPACTS	VISUAL IMPACTS	BRADENHEAD EXPOSED				
Encana	Alaux/Sears Battery	Unlocked-fencing around equipment is locked-equipment is visible	2/20/2015	11/4/2015	Alaux 26-5, 0-4-26, 26-3, 4-0-26, F-Unit 1, Sears 22-26, 2-4-26, 4-4-26, 0-4-26	3 Condensate Tanks- 330 BBL, 1 Produced Water Tank- 150 BBL, 2 Combustors, 3 Separators, 1 Meter House, 1 Well on Site- F Unit 1 Well, Load Out Buckets	Yes	123-1388-001 (Weird)	Yes-2	Combustor	Yes- leak at well head Alaux F unit 1 wellhead - 6-19-15 rig crew replaced tubing packing - 10-12-15 release coming from the connection for the grounding wire on PW tank- applied sealant 11-2-15	Yes	2/20/2015	10/13/2015	2/24/2015	10/13/2015	6/19/2015	11/2/2015	10/12/2015	Yes	Yes-automated	No	No	Good- Steel	Yes- Weld AIRS	No	Good	Yes- Leak at wellhead detected with IR / ground connection on PW tank release detected with IR camera	No	Fiberglass	Yes	Yes- PW Tank	No	No	No- tan fencing	Yes
Encana	Bury Crandell C 1 Battery/ Bury Crandell 31-23 Battery	Unlocked-fencing around equipment is locked-equipment is visible	2/20/2015	11/20/2015	Bury Crandell C Unit 1, 6-0-23, 8-2-23, 42-23, 31-23, 32-23, 8-4-23, 8-0-23	4 Condensate tanks- 330 BBL, 1 Produced Water Tank- 230 BBL, Scrub Pot, 2 Combustors, 4 Separators, 1 Meter House, 8 Wells on Site, 1 Load Out Bucket	Yes	014-1360-001	Yes	Combustor-2	No					Yes	Yes-automated	No	Yes- wetlands	Good- Steel	Yes	No	Good	No	No	Fiberglass	Yes	No	Yes	2/10/2012	No	No	No- tan fencing	Yes		
Encana	Helen F1 Battery	Unlocked-fencing around equipment is locked-equipment is visible	2/20/2015	11/9/2015	Helen "E" Unit 1, 4-4-23, 34-23, 43-23, 33-23, 8-8-23	2 Condensate Tanks- 330 BBL, 1 Produced Water Tank- 150 BBL, 2 Meter House, 1 Combustor, 1 Separator, 1 Well on Site- Helen E Unit 1 Well, 2 Load Out Buckets, 1 Scrubber	Yes	014-1337-001	Yes	Combustor	No					Yes	Yes-automated	No	Yes- wetlands	Good- earth and steel	Yes	No	Good	No- some piping from old set up	No	Fiberglass	Yes	No	Yes	3/27/2014	No	No	No- tan fencing	Yes		
Encana	Baker/Stipanovich Battery	Unlocked-fencing around equipment is locked-equipment is visible	2/20/2015	11/4/2015	Baker C Unit 1 Well, 31-27, 6-4-27, 4-2-27, 22-27, Stipanovich 8-0-27, 41-27, 8-2-27	4 Condensate Tanks- 330 BBL, 1 Produced Water Tank- 150 BBL, 1 Meter House, 4 Separators, 1 Combustor, 1 Well on Site- Baker Unit 1, 2 Load Out Buckets	Yes	014-1328-001	Yes	Combustor	Yes- Stipanovich 8-2-27 well release from base of well (bradenhead piping) and a release coming from bottom of plunger automation box- repaired 10-23-15- blew down surface casing and re-taped bull plug and threads for 2" piping to check surface casing pressure- re-taped stainless fitting going into solenoid	Yes	10/13/2015	10/13/2015	10/22/2015		Yes	Yes-automated	No	No	Good- earth and steel	Yes	No	Good	Yes- Stipanovich 8-2-27 well release from base of well (bradenhead piping) and a release coming from bottom of plunger automation box- detected with IR- repaired 10-23-15	Yes- homes	Fiberglass	Yes	No	Yes	10/24/2012	No	No	No- tan fencing	Yes	
Encana	Helen F2 Battery	Unlocked-fencing around equipment is locked-equipment is visible	2/19/2015	5/15/2015	Helen "E" Unit 2 Well, 14-23, 23-23, 0-4-23, Bury Crandell 12-23	2 Condensate Tanks- 330 BBL, 1 Produced Water Tank- 150 BBL, 2 Separators, 1 Combustor, 1 Meter House, 4 wells on Site- E Unit 2, 14-23, Bury Crandell 12-23, 0-4-23, Load Out Buckets	Yes	014-1337-002	Yes	Combustor	Yes- valve cap on bradenhead access point- valve was replaced and tightened new cap installed	Yes	5/28/2015	5/29/2015	6/22/2015		Yes	Yes	No	Yes- ditch	Good- Steel	Yes	No	Good	No	No	Fiberglass	Yes	No	No	No	No	No	No- tan fencing		
Extraction	Livingston 43-07	Locked - equipment locked and fenced	2/19/2015	4/27/2015	Livingston 43-07	1 Crude Tank- 300 BBL, 1 Produced Water Vault- 60 BBL, 1 Combustor, 1 Separator, 1 Meter House- 1 Well (across street) Livingston 43-07	Yes	014-1352-001	Yes	Combustor	No					Yes	Yes	No	Yes- reservoir	Good- steel, earth, lined	No- road sign missing	No- dry weeds	Good	No	No	Concrete	Yes	No	No	No	No	No	No	No- tan fencing		
Extraction	Brozovich MA 8-10, 15, 16J	Unlocked-equipment is locked and fenced	2/18/2015	11/10/2015	Brozovich MA 8-10, 15, 16J	2 Crude Tanks - 260 BBL, 1 Produced Water Vault- 48 BBL, 1 Separator, 1 ECD, 1 Meter House, 1 Well on site (MA 8-16J), 1 Scrubber, 1 Load Out Bucket	Yes	014-1324-001	Yes	Combustor	Yes- release observed at both thief hatches and on flash gas line at elbow where the line heads toward the ground #15 was shut in and the ECD lost supply gas- # 15 was turned on and returned to normal operations	Yes	11/10/2015	11/10/2015	11/25/2015		Yes	Yes	No	No	Good- earth- some erosion	Yes	No	Good	Yes- IR camera- flash gas line elbow and both thief hatches	Yes-residential	Concrete	Yes	No	No	No	No	No	No- Fencing around site	Yes	
Encana	Crandell 0-6-26 Battery, Crandell E 1 Battery	Unlocked-fencing around equipment is locked-equipment is visible	2/17/2015	11/13/2015	Crandell 0-6-26, E Unit 1 Well, 4-6-26, 14-26, 23-26, 0-6-26, 24-26, 2-8-26	4 Condensate Tanks- 330 BBL, 1 Produced Water Tank- 230 BBL, 4 Separators, 1 Meter House, 2 Combustors, 8 Wells on Site, 2 Load Out Buckets, 1 Scrubber	Yes	014-1353-001	Yes-2	Combustor	Yes- PSI gauge on E Unit 1 well, bubbling water at base of 0-6-26 well- PSI gauge tightened transducer on 2-19- wellhead union tightened 5-6	Yes	2/17/2015	2/18/2015	2-19-15&6-15	11/13/2015	Yes	Yes-automated	No	No	Good- steel	Yes	No	Good	Yes- Leak at 2 wellheads detected with IR	No	Fiberglass	Yes	No	Yes	7/5/2011	2/22/2012	No	No	No- tan fencing	Yes
Encana	Bickler Battery	Unlocked-fencing around equipment is locked-equipment is visible	2/17/2015	11/4/2015	Unit 1 Well, 24-34, 4-4-34, 4-6-34, 23-34	3 Condensate Tanks- 330 BBL, 1 Produced Water Tank- 150 BBL, 3 Separators, 1 Meter House, 2 Combustors, 4 Wells on Site 24-34, 4-6-34, 4-4-34, 23-34, 2 Load Out Buckets	Yes	014-1338-001	Yes-2	Combustor	No					Yes	Yes-automated	No	Yes- surface	Good- steel	Yes	No	Good	No	Yes- residential	Fiberglass	Yes	No	No	No	No	No	No	No- tan fencing	Yes	
Extraction	PEPI Purchase 3, Parhandle Eastern, Pipe Line- Drip Station- not under COGCC jurisdiction	Unlocked-equipment is locked and fenced	4/2/2015	11/9/2015	no wells	1 Crude Tank 300 BBL, Compressor Station, 1 Produced Water Vault 48 BBL, 1 Load Out Bucket	Yes	014-1364-001	No	Uncontrolled	No- uncontrolled	Yes				N/A	N/A	N/A	Yes- spillway	Good- earth	Yes	No	Good	No	Yes- residential	Concrete	Yes	No	No	No	Yes- generator	No	N/A	N/A		
Extraction	Nordstrom 1-9	Unlocked	4/1/2015	6/16/2015	Nordstrom 1-9	1 Crude Tank 300 BBL, 1 Produced Water Vault 48 BBL, 1 Separator, 1 Meter House, 1 Well on Site	Yes	No AIRS	No	Uncontrolled	No	Yes				N/A	Yes	No	No	Good- earth - some burrowing	Yes- check AIRS	No	Good	No	Yes- homes	Concrete	Yes	No	No	No	No	No	No	No		
Extraction	Beyer MA 10-5	Unlocked	4/1/2015	4/28/2015	Beyer MA 10-5	2 Crude Tanks 160 BBL, 1 Produced Water Vault 48 BBL, 1 Separator, 1 Meter House, 1 ECD, 1 Well on Site, 1 Scrubber	Yes	014-1325-001	Yes	Combustor	Yes- thief hatches had release coming off of them- resealed and tightened- 4-30-15- secondary pressure relief valve on western tank had a release coming off- 11-9-15- PRV was cleaned	Yes	4/29/2015	11/9/2015	4/29/2015	11/10/2015	4/30/2015	11/25/2015		Yes	Yes	No	No	Good	Yes- thief hatches had release coming off of them- resealed and tightened- 4-30-15- secondary pressure relief valve on western tank had a release coming off- 11-9-15- IR camera	Yes- homes	Concrete	Yes	No	No	No	No	No	Yes		
Extraction	Mathena 1-15	Unlocked	4/1/2015	6/15/2015	Mathena 1-15	1 Crude Tank- 300 BBL, 1 Produced Water Vault- 48 BBL, 1 Separator, 1 Meter House, 1 Well on Site	Yes	014-1344-001	No	Uncontrolled	No	Yes				N/A	Yes	No	No	Good- earth	Yes	No- some weeds inside contain	Good	No- some staining at well	Yes- residential	Concrete	Yes	No	No	No	No	No	No	No	No	
Extraction	Green MA 17, 9, 15, 16J	Unlocked-equipment is fenced and locked	4/14/2015	6/16/2015	Green MA 17-9, 15 & 16J	1 Crude Tank - 300 BBL, 1 Produced Water Vault- 48 BBL, 1 Combustor, 1 Separator, 1 Meter House, 1 Well on Site 17 16J	Yes	014-1322-001	Yes	Combustor	No	Yes	4/14/2015	4/14/2015	4/17/2015		Yes	Yes	No	No	Good- earth	Yes	No- some weeds inside contain	Good	Yes- drip and staining coming of the water valve at the rear of the storage tank- also an audible release at wellhead fittings- repaired 4-17	Yes - residential	Concrete	Yes	Yes- below the separator	Yes	5/11/2004	No	No	No		



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Extraction	Green MA 17-1, 2, 8J	Unlocked - equipment is fenced and locked	4/14/2015	6/19/2015	Green MA 17-1, 2, 8J	1 250 BBL storage tank, 1 Produced Water Vault - 48-BBL, 1 Combustor, 1 Separator, 1 Meter House, Scrubber, 1 Well on Site 17-8J	Yes	014-1323-001	Yes	Combustor	Yes- hi/lo controller on separator-tightened connection 6-30	Yes	6/22/2015	6/22/2015	6/30/2015	Yes	Yes	No	Yes- ditch	Good- earth/plastic	Yes- contents of tank unknown	No- some weeds inside contain	Good	No- some soil staining at wellhead	Yes- residential	Concrete	Yes	No	Yes	12/23/2012	No	No- fencing				
Extraction	Fedorowicz 2-17	Unlocked- equipment is fenced and locked	4/15/2015	6/16/2015	Fedorowicz 2-17	2 Crude Tanks -160 BBL, 1 Produced Water Tank - 48 BBL, 1 Separator, 1 Meter House, 1 Well on Site- Fedorowicz 2-17	Yes	014-1341-001	No	Uncontrolled	No	Yes				N/A	Yes	No	No	Good- earth/wood	Yes	No- some weeds inside contain	Good	No- stained soil at wellhead	Yes- residential	Concrete- above ground	Yes	No	No		No	No				
Extraction	Fedorowicz 1-17	Locked	4/15/2015	6/15/2015	Fedorowicz 1-17	2 Crude Tanks- 200 BBL, 1 Produced water Vault- 48-BBL, 1 Separator, 1 Meter House, 1 Well on Site- Fedorowicz 1-17	Yes	014-1317-001	No	Uncontrolled	No	Yes				N/A	Yes	No	No	Good- earth	Yes	No- some weeds inside contain and at well	Good	No- some staining at tank load out	Yes- residential	Concrete	Yes	No	No		No	No				
Extraction	Hulstrom G Unit	Unlocked	4/28/2015	11/9/2015	Hulstrom G Unit 1	1 Crude Tank- 268 BBL, 1 Produced Water Tank 80 BBL, 1 Separator, 1 Meter House, 1 Combustor, 1 Load Out Bucket, 1 Scrubber 1 Well on Site- Hulstrom G Unit #1	Yes	014-1358-001	Yes	Combustor	Yes- thief hatch ,valve on horizontal line on separator, and plunger lift open/close valve- all tightened and resealed	Yes	6/19/2015	6/19/2015	6/30/2015	11/9/2015	Yes	Yes	No	No	Good- earth- some burrowing/ erosion- notified Extraction 11-9-15	Yes	No	Good	Yes- thief and separator detected with IR- some soil staining at wellhead/ by separator inside contain	No	Fiberglass	Yes	No	No		No	No- tanks need to be painted	Yes		
Extraction	Nordstrom 2-4	Unlocked	4/28/2015	11/9/2015	Nordstrom 2-4	1 Crude Tank- 300 BBL, 1 Produced Water Vault- 80 BBL, 1 Separator, 1 Meter House, 1 Separator, 1 Separator, 1 Well on Site- Nordstrom 2-4	Yes	014-1355-001	Yes	Combustor	Yes- thief hatch , Belgas regulator at wellhead, kimray valve on to of separator - belgas isolated 4-29-15- thief and Kimray repaired by Extraction 6-30-15	Yes	Follow up inspection after change of ownership to clarify for Extraction	4/29/2015	6/19/2015	4/29/2015	6/30/2015	11/9/2015	Yes	Yes	No	Yes- wetlands	Good- earth- some erosion- notified Extraction 11-9-15	Yes	No- weeds on berm	Good	Yes- thief and regulator at well detected with IR camera/ soil staining at well	No	Fiberglass	Yes	Yes	No		No	No	Yes
Extraction	Brozovich MA 8-2	Unlocked	4/27/2015	11/9/2015	Brozovich MA 8-2	1 Crude Tank- 300 BBL, 1 Produced Water Tank 80 BBL, 1 Separator, 1 Meter House, 1 Well on Site - Brozovich MA 8-2	Yes	014-1363-001	No	Uncontrolled	Yes- release from thief hatch on crude tank - cleaned hatch and internals, regasketed base and installed bolts with washers- replaced pressure seal	Yes	11/9/2015	11/10/2015	11/25/2015		N/A	Yes	No	Yes- spillway	Good - earth	Yes	No	Good	Yes- thief hatch release detected with IR	Yes- residential	Fiberglass	Yes	No	No		No	No- tank needs to be painted	Yes		
Extraction	Hellerstein 2-18	Unlocked- equipment is fenced and locked	4/27/2015	11/20/2015	Hellerstein 2-18	2 Crude Tanks -160 BBL, 1 Produced Water Tank- 48 BBL, 1 Separator, 1 Meter House, 1 Well on Site- Hellerstein 2-18	Yes	014-1316-001	No	Uncontrolled	No	Yes				N/A	Yes	No	Yes- irrigation ditch	Good- earth and wood- some buckling	Yes	No- empty containers	Good	No	No	Concrete	Yes	No	No		No	No- fencing around battery- wood fence around well	Yes			
Extraction	Webber H Unit #1	Unlocked	4/29/2015	11/13/2015	Webber H Unit #1	3 Crude Tanks- 100 BBL, 1 Produced Water Tank- 80 BBL, 1 Separator, 1 Meter House, 1 Combustor, 1 Scrubber, 1 Well on Site- Webber H Unit 1	Yes	014-1357-001	Yes	Combustor	Yes- thief hatches from tanks to the north and Fisher pressure regulator on combustor- hatches resealed and regulator sealed and tightened- 6-30-15	Yes	6/22/2015	6/22/2015	6/30/2015	11/13/2015	Yes	Yes	No	No	Good - earth- some erosion	Yes	No	Good	Yes- thief hatches and regulator on combustor detected with IR camera	Yes- homes	Fiberglass	Yes	No	No		No	No- tanks need to be painted	Yes		
Extraction	Nordstrom 5-4	Unlocked	4/29/2015	11/18/2015	Nordstrom 5-4	1 Crude Tank- 300 BBL, 1 Produced Water Tank - 80 BBL, 1 Separator, 1 Meter House, 1 Combustor, 1 Scrubber, 1 Load Out Bucket, 1 Well on Site- Nordstrom 5-4	Yes	014-1356-001	Yes	Combustor	Yes- release coming from Enardo stack valve on tank (secondary pressure relief)- new stack valve installed 5-24-15- none observed 11-18-15	Yes	4/30/2015	4/30/2015	5/24/2015	Yes	Yes	No	No	Good- earth	Yes	No	Good	Yes- stain soil at well- stack valve on tank detected with IR camera- repaired	No	Fiberglass	Yes	No	No		No	No- tanks need to be painted	Yes			
Extraction	Varra MD 21-1	Unlocked	4/30/2015	11/20/2015	Varra 1-21	2 Crude Tanks -160 BBL, 1 Produced Water Tank - 48 BBL, 1 Separator, 1 Meter House, 1 Well on Site- Varra 1-21	Yes	014-1345-001	No	Uncontrolled	No	Yes				N/A	Yes	No	Yes- irrigation ditch	Good- earth	Yes	No- some weeds at well	Good	No	No	Concrete	Yes	No	No		No	No	Yes			
Extraction	Brozovich MA 8-14J	PLUGGED	4/30/2015	PLUGGED	Brozovich 8-14J, 8-13, 8-11 PLUGGED	1 Crude Tank -300 BBL, 1 Produced Water Tank- 80 BBL, 1 Separator, 1 Combustor, 1 Meter House, 1 Well on Site- Brozovich 8-14J	Yes	014-1363-001	Yes	Combustor	Yes- Plugged and abandoned June 2015					Yes	Yes	No	No	Good- earth	Yes- no h2s	No- weeds inside contain- empty bucket	Good- ruttled	No- produced water tank is floating/ anchored down but has been pulled from ground exposed dump lines	Yes- residential	Fiberglass	No	Yes- PW tank is anchored down- floating in water		No	No- no guard at well					
Extraction	Nordstrom 3-9	Unlocked- gate at entrance	5/15/2015	12/1/2015	Nordstrom 3-9	1 Crude Tank- 300 BBL, 1 Produced Water Vault- 60 BBL, 1 Separator, 1 Meter House, 1 Well on Site- Nordstrom 3-9	Yes	014-1343-001	No	Uncontrolled	No	Yes				N/A	Yes	No	No	Good- earth	Yes	No- weeds at wellhead have been controlled	Good	No	Yes- residential	Concrete	Yes	No	No		No	No	Yes			
Extraction	Brozovich 8-8J	Locked	5/1/2015	11/10/2015	Bozovich MA 8-8J	2 Crude Tanks - 300 BBL, 1 Produced Water Vault- 80 BBL, 1 Separator, 1 Meter House, 1 Well on Site- Brozovich 8-8J	Yes	014-1363-001	No	Uncontrolled	Yes- regulator behind production pressure gauge at well, fisher controller and uppermost Kimray valve on separator (normal operations) feral nut tightened on regulator at well feral nut tightened 5-6-15- 11-10-15 Kimray valve coming off upper vessel, fisher controller on south side near dump- replaced 67R fisher regulator- Kimray release not observed	Yes	5/5/2015	11/10/2015	5/5/2015	11/10/2015	5/6/2015	11/25/2015	N/A	Yes	No	No	Good- earth	Yes	No	Good	Yes- IR camera - fisher controller and kimray valve on separator	Yes- homes	Fiberglass	Yes	No	No		No	No- tanks need painting	Yes
Encana	Kats B2 Battery	Unlocked- fencing around equipment is locked- equipment is visible	5/1/2015	11/4/2015	Kats B Unit 2 Well, 41-34, 21-34, 8-2-34, 6-4-34, 42-34	3 Condensate Tanks- 330 BBL, 1 Produced Water Tank- 150 BBL, 2 Combustors, 1 Separator, 1 Meter House, 5 Wells on Site, 2 Load Out Buckets	Yes	014-1330-001	Yes- 2	Combustors	Yes- connecting line at the bottom of plunger lift automation box on well 41-34- tightened latch valve 5-6-15	Yes	5/5/2015	5/5/2015	5/6/2015	Yes	Yes- automated	No	No	Good- steel	Yes	No	Good	Yes- connecting line at the bottom of plunger lift automation box on well 41-34- tightened latch valve 5-6-15	No	Fiberglass	Yes	No	No		No	No- tan fencing/ bar b wire	Yes			



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Extraction	Mapz MD 13-1J and 2 (one well in Broomfield, one well in Boulder)	Unlocked	5/15/2015	12/2/2015	Mapz MD 13-1J, 13-2	2 Crude Tanks- 140 BBL, 1 Produced Water Vault- 48 BBL, 1 Separator, 1 Meter House, 1 well on Site - Mapz MD 13-1J	Yes	013-1268-001	No	Uncontrolled	No					N/A	Yes	No	Yes- surface	Good- earth	Yes	No- weeds have been controlled	Good	No	Yes- residential	Concrete	Yes	No	No	No	No	Yes
Encana	Bury Crandell C2 Battery	Unlocked- fencing around equipment is locked- equipment is visible	5/28/2015	6/19/2015	Bury Crandell C Unit 2 Well, 23, 0-0-23, 21-23	2 Condensate Tanks- 330 BBL, 1 Produced Water Tank- 150 BBL, 1 Combustor, 2 Separators, 1 Meter House, 4 Wells on Site, Load Out Buckets	Yes	014-1346-001	Yes	Combustor	Yes	6/22/2015	6/22/2015	6/25/2015	Yes	Yes	No	Yes- ditch	Good- steel and earth	Yes	No	Good	No	No	Fiberglass	Yes	No	No	No	No	No	No-tan fencing
Encana	Crandell E2 Battery	Locked	6/18/2015	12/8/2015	Crandell E Unit 2 Well	1 Condensate Tank- 300 BBL, 1 Produced Water Tank - 110 BBL, 1 Meter House, 1 Separator, 1 Well on Site- Crandell E Unit 2 Well	Yes	014-1347-001	No	Uncontrolled	Yes	6/19/2015	6/19/2015	6-19-15 & 7-17-15	N/A	Yes	No	No	Good- earth and steel	Yes	No	Good	No	Yes- homes	Fiberglass	No	No	No	No	No	No-tan fencing	Yes
Blue Chip Oil	Shannon Roberts #2	Unlocked	6/18/2015	12/18/2015	Shannon Roberts 26-5, Roberts #2	2 Crude Tanks- 300 BBL, 1 Produced Water Tank - 100 BBL, 1 Separator, 2 Meter Houses, Load Out Buckets, VRU	Yes	001-1608-001	Yes	VRU	No				N/A- VRU is automated	Yes	No	Yes- ditch	Good- earth	Yes	No	Good	No	No	Fiberglass	No	Yes	No	No	No	No	yes
Extraction	Sharpe 2-10	Unlocked- equipment is locked and fenced	6/18/2015		Sharpe 2-10	1 Crude Tank- 300 BBL, 1 Produced Water Vault- 48 BBL, 1 Separator, 1 Meter House, 1 Well on Site- Sharpe 2-10	Yes	014-1340-001	No	Uncontrolled	No				N/A	Yes	No	No	Good- earth	Yes	No-weeds inside contain	Good- some deep ruts	No	No	Concrete	Yes	No	No	No	No	No	No-fenced- tanks need paint
Extraction	Carlson 1-24	Locked- equipment is fenced and locked	6/18/2015	12/2/2015	Carlson 1-24	2 Crude Tanks- 140 BBL, 1 Produced Water Vault- 48 BBL, 1 Separator, 1 Meter House, Methanol System, 1 Well on Site- Carlson 1-24	Yes	014-1348-001	No	Uncontrolled	Yes	12/4/2015	12/7/2015		N/A	Yes	No	Yes- surface	Good- earth	Yes	No- weeds have been controlled	Good	No	Yes- residential/ school	Concrete	Yes	No	No	No	No	No-tan fencing	Yes
Kerr McGee	Priest USX UU 35-1	Locked -sensitive property	7/15/2015		Priest USX UU 35-1	1 Crude Tank - 268 BBL, 1 Produced water Vault- 55 BBL, 1 Separator, 1 Meter House, Load Out Bucket	Yes	No AIRS	No	Uncontrolled	Yes	7/15/2015	7/15/2015	7/22/2015	N/A	Yes	No	Yes- ditch	Steel- lined and earth- good	Yes	No	Good	No	Yes- homes	Concrete	Yes	No	No	No	No	No	
Natural Resource Group	Shannon-Roberts #1	Unlocked	7/29/2015	9/29/2015	Shannon-Roberts #1	1 Crude Tank- 210 BBL, 1 Produced Water Tank- 80 BBL, 1 Separator, 1 Meter House, 1 Well on Site- Shannon-Roberts #1	Yes	538253160	No	Uncontrolled	Yes	9/30/2015	10/5/2015	10/5/2015	N/A	Yes	No	Yes-wetlands	Good- earth- burrowing into separator contain	Yes	No	Good	yes- release from thief hatch with IR camera	No	Steel	Yes	Yes	No	No	No	No	No
Natural Resource Group	Shannon- Roberts, 2, 3, 4	Unlocked	7/29/2015	9/29/2015	Shannon Roberts 2, 3, 4	1 Crude Tank- 300 BBL, 1 Produced Water Tank 81 BBL, 1 Separator, 1 Meter House, 1 Well on Site- Shannon-Roberts #3	Yes	1541925458	No	Uncontrolled	Yes	9/30/2015	10/5/2015	10/5/2015	N/A	Yes	No	Yes- ditch	Good-earth (erosion at west side of base of crude tank)	Yes	No- stain soil at well/ weeds inside contain- soil removed - gasket replaced	Good	yes- release from thief hatch with IR camera	No	Steel	Yes	No	No	No	No	No	No
Extraction	Shirk MD 21-4D	Locked	9/16/2015	12/18/2015	Shirk MD 21-4D	2 Crude Tanks - 1 53 BBL Produced Water Tank, 1 Separator, 1 Meter House, 1 Well on Site- Shirk MD 21-4D	Yes	No AIRS	No	Uncontrolled	No- could hear a gas release behind master valve on well- IR visit confirmed release behind master valve-need work over rig to repair- well is on P&A list	Yes	9/16/2015	12/18/2015	9/16/2015	N/A	Yes	No	Yes- irrigation ditch	Good- earth- some erosion	No AIRS/ contents unknown	No	Good	Yes- release behind master valve on well	No	Concrete	Yes	No	No	No	No-tan need to be painted	Yes



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Encana	Baker/Stipanovich Battery	Unlocked-fencing around equipment is locked- equipment is visible	2/12/2016	Baker C Unit 1 Well, 31-27, 6-4-27, 4-2-27, 32-27, Stipanovich 8-0-27, 41-27, 8-2-27	4 Condensate Tanks- 330 BBL, 1 Produced Water Tank- 150 BBL, 1 Meter House, 4 Separators, 1 Combustor, 1 Well on Site- Baker Unit 1, 2 Load Out Buckets	Yes	014-1328-001	Yes	Combustor	Yes- observed a release coming from the supply gas line feeding into the combustor around fisher regulator on 2-12-16 with IR camera- operator tightened compression fitting feeding supply gas line into regulator on 2-22-16	Yes	2/12/2016	2/16/2016	2/22/2016		Yes	Yes-automated	No	No	Good- earth and steel	Yes	No	Good	Yes- compression fitting feeding supply gas line into regulator on combustor- with IR camera	Yes- homes	Fiberglass	Yes	No	Yes	10/24/2012	No	No- tan fencing	Yes
Extraction	Beyer MA 10-5	Unlocked	4/22/2016	Beyer MA 10-5	2 Crude Tanks 160 BBL, 1 Produced Water Vault 48- BBL, 1 Separator, 1 Meter House, 1 ECD, 1 Well on Site- Beyer 10-5, 1 Scrubber	Yes	014-1325-001	Yes	Combustor	No	No					Yes- out of service	Yes	No	No	Good- earth	Yes	No	Good	No	Yes-homes	Concrete	Yes	No	No		No	No	Yes
Encana	Helen E1 Battery	Unlocked-fencing around equipment is locked- equipment is visible	4/22/2016	Helen "E" Unit 1, 4-4-23, 34-23, 43-23, 33-23, 8-8-23	2 Condensate Tanks- 330 BBL, 1 Produced Water Tank- 150 BBL, 2 Meter House, 1 Separator, 1 Well on Site- Helen E Unit 1 Well, 2 Load Out Buckets, 1 Scrubber	Yes	014-1337-001	Yes	Combustor	Yes- observed that the blow down valve on condensate tank to the east was left open with IR camera notified operator from site- field staff was sent to the site to close the valve	Yes	4/22/2016	4/22/2016	4/22/2016	Yes	Yes-automated	No	Yes- wetlands	Good- earth and steel	Yes	No	Good	No- site is in remediation	No	Fiberglass	Yes	No	Yes	3/27/2014	No	No- tan fencing	Yes	
Encana	Bickler Battery	Unlocked-fencing around equipment is locked- equipment is visible	4/22/2016	Bickler 24-34, 4-4-34, 4-6-34, 23-34	3 Condensate Tanks- 330 BBL, 1 Produced Water Tank- 150 BBL, 3 Separators, 1 Meter House, 2 Combustors, 4 Wells on Site 24-34, 4-6-34, 4-4-34, 23-34, 2 Load Out Buckets	Yes	014-1338-001	Yes- 2- 1 is tagged out of service	Combustor	No	Yes				Yes	Yes-automated	No	Yes- surface	Good- steel	Yes	No	Good	No	Yes- residential	Fiberglass	Yes	No	No		No	No- tan fencing	Yes	
Extraction	Mathena 1-15	Unlocked- equipment is open	5/5/2016	Mathena 1-15	1 Crude Tank- 300 BBL, 1 Produced Water Vault- 48 BBL, 1 Separator, 1 Meter House, 1 Well on Site	Yes	014-1344-001	No	N/A	Yes- thief hatch release with IR camera (site is not under STEM plan- release does not need to be addressed)	Yes	5/6/2016	5/6/2016		N/A	Yes	No	No	Good- earth	Yes	No	Good	Yes- IR release detected from thief hatch on crude oil tank- site not covered under STEM plan	Yes	Concrete	Yes	No	No		No	No	Yes	
Extraction	Hulstrom G Unit 1	Unlocked- equipment is open	5/3/2016	Hulstrom G Unit 1 well	1 Crude Tank- 268 BBL, 1 Produced Water Tank 80 BBL, 1 Separator, 1 Meter House, 1 Combustor, 1 Load Out Bucket, 1 Scrubber 1 Well on Site- Hulstrom G Unit #1	Yes	014-1358-001	Yes	Combustor	Yes- IR Camera leak detected from hi/low controller on west side of separator and from thief hatch on crude oil tank. The following was completed at the Hulstrom G. Hulstrom G unit, tightened all fittings on Hi-Lo and sprayed with Simple Green and no leaks were detected. Hulstrom G unit, tightened all bolts on thief hatch.	Yes	5/5/2016	5/5/2016	5/12/2016	Yes	Yes	No	No	Good- earth	Yes	Yes- unused trailer on site	Good	Yes- IR release detected from hi/low controller on separator and from thief hatch on crude oil tank	No	Fiberglass	Yes	No	No		No	No	Yes	
Extraction	Brozovich MA 8-2	Unlocked- equipment is open	5/2/2016	Brozovich MA 8-2	1 Crude Tank- 300 BBL, 1 Produced Water Tank 80 BBL, 1 Separator, 1 Meter House, 1 Well on Site -- Brozovich MA 8-2	Yes	014-1363-001	No	N/A	No	No				N/A	Yes	No	Yes- spillway	Good- earth	Yes	No	Good	No	Yes	Fiberglass	Yes	No	No		No	No	Yes	
Extraction	PEPL Purchase 3- Panhandle Eastern Pipe Line- Drip Station- not under COGCC jurisdiction	Unlocked- equipment is locked and fenced	5/2/2016	No wells associated with this site- drip for compressor station	1 Crude Tank 300 BBL, Compressor Station, 1 Produced Water Vault 48 BBL, 1 Load Out Bucket	Yes	014-1364-001	No	N/A	No	No				N/A	N/A	No	Yes- spillway	Good- earth	Yes	No	Good	No	Yes	Concrete	Yes	No	No		Yes	No	N/A	
Extraction	Nordstrom 2-4	Unlocked- equipment is open	5/3/2016	Nordstrom 2-4	1 Crude Tank- 300 BBL, 1 Produced Water Vault- 80 BBL, 1 Combustor, 1 Meter House, 1 Separator, 1 Separator, 1 Well on Site- Nordstrom 2-4	Yes	014-1355-001	Yes	Combustor	No	Yes				Yes	Yes	No	Yes	Good- earth	Yes	No	Good	No	No	Fiberglass	Yes	No	No		No	No	Yes	



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Encana	Bury Crandell C 1 Battery/ Bury Crandell 31-23 Battery	Unlocked-fencing around equipment is locked- equipment is visible	5/5/2016	Bury Crandell C Unit 1, 6-0-23, 8-23, 32-23, 8-4-23, 0-23	4 Condensate tanks- 330 BBL, 1 Produced Water Tank- 230 BBL, Scrub Pot, 2 Combustors, 4 Separators, 1 Meter House, 8 Wells on Site, 1 Load Out Bucket	Yes	014-1360-001	Yes- 2	Combustors	Yes- IR camera release detected from hi/low controller on northeast side of southern most separator. The repair was finished on 5/13. The control switch was adjusted and the 90 was replaced. The component was snooped and viewed with the FLIR camera to confirm the repair.	Yes	5/6/2016	5/6/2016	5/13/2016	Yes	Yes-automated	No	Yes	Good- steel	Yes	No	Good	Yes- IR camera release detected from hi/low controller on northeast side of southern most separator	No	Fiberglass	Yes	No	Yes	2/10/2012	No	No-tan fencing	Yes		
Encana	Helen E2 Battery	Unlocked-fencing around equipment is locked- equipment is visible	5/10/2016	Helen "E" Unit 2 Well, 14-23, 23-23, 0-4-23, Bury Crandell 12-23	2 Condensate Tanks- 330 BBL, 1 Produced water Tank- 150 BBL, 2 Separators, 1 Combustor, 1 Meter House, 4 wells on Site- E Unit 2, 14-23, Bury Crandell 12-23, 0-4-23, Load Out Buckets	Yes	014-1337-002	Yes	Combustor	Yes- bubbling water at hammer union on Helen E Unit 2 well- first attempt made to repair did not fix the issue- will need further work	No	5/10/2016	5/18/2016		Yes	Yes-automated	No	Yes- ditch	Good-Steel	Yes	No	Good	No	No	Fiberglass	Yes	No	No	No	No	No-tan fencing	Yes		
Encana	Alaux/Sears Battery	Unlocked-fencing around equipment is locked- equipment is visible	5/11/2016	Alaux 26-5, 0-4-26, 26-3, 4-0-26, E Unit 1 Well, 4-6-26, 2-4-26, 4-4-26, 0-4-26	3 Condensate Tanks- 330 BBL, 1 Produced Water Tank- 150 BBL, 2 Combustors, 3 Separators, 1 Meter House, 1 Well on Site- F Unit 1 Well, Load Out Buckets	Yes	123-1388-001 (Weld)	Yes- 2	Combustor	No	No				Yes	Yes-automated	No	No	Good-Steel	Yes- Weld AIRS	No	Good	No	No	Fiberglass	Yes	Yes- PW tank	No	No	No	No-tan fencing	Yes		
Encana	Crandell 0-4-26 Battery, Crandell E 1 Battery	Unlocked-fencing around equipment is locked- equipment is visible	5/11/2016	Crandell 0-8-26, E Unit 1 Well, 4-6-26, 14-26, 23-26, 0-6-26, 24-26, 2-8-26	4 Condensate Tanks- 330 BBL, 1 Produced Water Tank- 230 BBL, 4 Separators, 1 Meter House, 2 Combustors, 8 Wells on Site, 2 Load Out Buckets, 1 Scrubber	Yes	014-1353-001	Yes- 2	Combustor	No	No				Yes	Yes-automated	No	No	Good- steel	Yes- no H2S hazard warning	No	Good	No	No	Fiberglass	No	No	Yes	7/5/2011	2/22/2012	No	No-tan fencing	Yes	
Extraction	Webber H Unit #1	Unlocked	5/10/2016	Webber H Unit #1	3 Crude Tanks- 100 BBL, 1 Produced Water Tank- 80 BBL, 1 Separator, 1 Meter House, 1 Combustor, 1 Scrubber, 1 Well on Site- Webber H Unit 1	Yes	014-1357-001	Yes	Combustor	No	No				Yes	Yes	No	No	Good- earth-some erosion	Yes	No	Good	No	Yes- homes	Fiberglass	Yes	No	No	No	No	No- tanks need to be painted	Yes		
Extraction	Brozovich MA 8-10, 15, 16J	Unlocked- equipment is locked and fenced	5/18/2016	Brozovich MA 8-10, 15, 16J	2 Crude Tanks - 260 BBL, 1 Produced Water Vault- 48 BBL, 1 Separator, 1 ECD, 1 Meter House, 1 Well on site (MA 8-16J), 1 Scrubber, 1 Load out Bucket	Yes	014-1324-001	Yes	Combustor	Yes- release identified at hi/low controller on separator, pressure gauges between vessels on separator, and union on flash gas line where line turns down towards combustor. On 5-201- tightened all bolts on the upper bonnet of the motor valve, sprayed with Simple Green and found no leaks. 2- tightened the jam nut on bottom of Miser, sprayed with Simple Green and found no leaks. 3- tightened the union on the line leading to ECD, sprayed with Simple Green and found no leaks	Yes	5/18/2016	5/19/2016	5/20/2016	Yes	Yes	No	No	Good- earth-some erosion	Yes	No	Good	Yes- IR camera- from hi/low controller on separator, pressure gauges between vessels on separator, and union on flash gas line.	Yes-residential	Concrete	Yes	No	No	No	No	No	No	No- Fencing around site	Yes
Extraction	Green MA 17-1, 2, 8J	Unlocked - equipment is fenced and locked	5/10/2016	Green MA 17-1, 2, 8J	1 250 BBL storage tank, 1 Produced Water Vault- 48 BBL, 1 Combustor, 1 Separator, 1 Meter House, Scrubber, 1 Well on Site 17-8J	Yes	014-1323-001	Yes	Combustor	No	No				Yes	Yes	No	Yes- ditch	Good- earth/plastic	Yes	No	Good	No- some soil staining at wellhead	Yes- residential	Concrete	Yes	No	Yes	12/23/2012	No	No-fencing	Yes		
Extraction	Green MA 17-9, 15, 16J	Unlocked- equipment is fenced and locked	5/10/2016	Green MA 17-9, 15 & 16J	1 Crude Tank - 300 BBL, 1 Produced Water Vault- 48 BBL, 1 Combustor, 1 Separator, 1 Meter House, 1 Well on Site 17-16J	Yes	014-1322-001	Yes	Combustor	No	No				Yes	Yes	No	No	Good- earth	Yes	No	Good	No- some stained soil below separator- notified Extraction on 5-11-16	Yes- residential	Concrete	Yes	No	Yes	5/11/2004	No	No	Yes		
Extraction	Fedorowicz 2-17	Unlocked- equipment is fenced and locked	5/18/2016	Fedorowicz 2-17	2 Crude Tanks -160 BBL, 1 Produced Water- 48 BBL, 1 Separator, 1 Meter House, 1 Well on Site- Fedorowicz 2-17	Yes	014-1341-001	No	Uncontrolled	No	Yes				N/A	Yes	No	Yes- ditch	Good- earth/wood	Yes	No	Good	No	Yes- residential	Concrete- above ground	Yes	No	No	No	No	No	Yes		



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Extraction	Livingston 43-07	Locked - equipment locked and fenced	5/13/2016	Livingston 43-07	1 crude Tank- 300 BBL, 1 Produced Water Vault- 60 BBL, 1 Combustor, 1 Separator, 1 Meter House-1 Well (across street) Livingston 43-07	Yes	014-1352-001	Yes	Combustor	No	No					Yes	Yes	No	Yes- reservoir	Good- steel, earth, lined	Yes	No	Good	No- some soil staining and oil build up below master valve and on wellhead	No	Concrete	Yes	No	No		No	No- tan fencing	Yes
Encana	Kats B2 Battery	Unlocked- fencing around equipment is locked- equipment is visible	6/8/2016	Kats B Unit 2 Well, 41-34, 31-34, 8-2-34, 6-4-34, 42-34	3 Condensate Tanks- 330 BBL, 1 Produced Water Tank- 150 BBL, 2 Combustors, 1 Separator, 1 Meter House, 5 Wells on Site, 2 Load Out Buckets	Yes	014-1330-001	Yes- 2	Combustors	No	No				Yes	Yes- automated	No	No	Good- steel	Yes	No	Good	No	No	Fiberglass	Yes	No	No		No	No- tan fencing/arb wire	Yes	
Encana	Bury Crandell C2 Battery	Unlocked- fencing around equipment is locked- equipment is visible	6/8/2016	Bury Crandell C Unit 2 Well, 22-23, 0-0-23, 21-23	2 Condensate Tanks- 330 BBL, 1 Produced Water Tank- 150 BBL, 1 Combustor, 2 Separators, 1 Meter House, 4 Wells on Site, Load Out Buckets	Yes	014-1346-001	Yes	Combustor	No	No				Yes	Yes	No	Yes- ditch	Good- steel and earth	Yes	No	Good	No	No	Fiberglass	Yes	No	No		No	No- tan fencing	Yes	
Extraction	Fedorowicz 1-17	Locked	6/10/2016	Fedorowicz 1-17	2 Crude Tanks- 200 BBL, 1 Produced Water Vault- 48 BBL, 1 Separator, 1 Meter House, 1 Well on Site- Fedorowicz 1-17	Yes	014-1317-001	No	Uncontrolled	No	No				N/A	Yes	No	No	Good- earth	Yes	No	Good	No- drip from union of tank and load out line on southern tank, from bull plug on northern tank, and below master valve at wellhead- notified Extraction on 6-13-16	Yes- residential	Concrete	Yes	No	No		No	No	Yes	
Extraction	Carlson 1-24	Locked- equipment is fenced and locked	6/10/2016	Carlson 1-24	2 Crude Tanks- 160 BBL, 1 Produced Water Vault- 48 BBL, 1 Separator, 1 Meter House, Methanol System, 1 Well on Site- Carlson 1-24	Yes	014-1348-001	No	Uncontrolled	No	No				N/A	Yes	No	Yes- surface	Good- earth- some erosion evident	Yes	No	Good	No	Yes- residential/ school	Concrete	Yes	No	No		No	No- tan fencing	Yes	