

**FORM  
INSP**Rev  
05/11**State of Colorado  
Oil and Gas Conservation Commission**1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109

Inspection Date:

08/19/2016

Document Number:

684902045

Overall Inspection:

SATISFACTORY w/ CMT  
or AR**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection
	437037	437037	Pesicka, Conor	<input type="checkbox"/> 2A Doc Num: _____

**Operator Information:**

OGCC Operator Number: 8960

Name of Operator: BONANZA CREEK ENERGY OPERATING COMPANY

Address: 410 17TH STREET SUITE #1400

City: DENVER State: CO Zip: 80202

- ☐ THIS IS A FOLLOW UP INSPECTION
- ☐ FOLLOW UP INSPECTION REQUIRED
- ☒ NO FOLLOW UP INSPECTION REQUIRED
- ☐ INSPECTOR REQUESTS FORM 42 WHEN CORRECTIVE ACTIONS ARE COMPLETED

**Contact Information:**

Contact Name	Phone	Email	Comment
,		EHSRC@bonanzacrk.com	All Inspections

**Compliance Summary:**

QtrQtr: SWNW Sec: 24 Twp: 5N Range: 61W

**Inspector Comment:****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
437036	WELL	PR	11/01/2014	OW	123-39389	Pronghorn 11-41-24HNC	PR	<input checked="" type="checkbox"/>
438544	WELL	PR	11/08/2014	OW	123-40034	Pronghorn C-W-24HNB	PR	<input checked="" type="checkbox"/>
439973	SPILL OR RELEASE	CL	11/19/2014		-	SPILL/RELEASE POINT	CL	<input type="checkbox"/>

**Equipment:****Location Inventory**

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>7</u>	Production Pits: _____
Condensate Tanks: <u>4</u>	Water Tanks: <u>7</u>	Separators: <u>7</u>	Electric Motors: <u>13</u>
Gas or Diesel Mortors: <u>7</u>	Cavity Pumps: _____	LACT Unit: <u>2</u>	Pump Jacks: <u>7</u>
Electric Generators: <u>4</u>	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: <u>10</u>	VOC Combustor: <u>8</u>	Oil Tanks: <u>28</u>	Dehydrator Units: <u>1</u>
Multi-Well Pits: _____	Pigging Station: <u>1</u>	Flare: <u>1</u>	Fuel Tanks: _____

**Location**

<b>Signs/Marker:</b>				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
BATTERY	SATISFACTORY			

TANK LABELS/PLACARDS	ACTION REQUIRED	No contents, capacities, placard labels on produced water vaults; no contents, placard on maintenance vault	Install sign to comply with rule 210.	10/19/2016
CONTAINERS	SATISFACTORY	methanol, engine oil, coolant		
WELLHEAD	SATISFACTORY			

Emergency Contact Number (S/AR): SATISFACTORY

Corrective Date: \_\_\_\_\_

Comment: \_\_\_\_\_

Corrective Action: \_\_\_\_\_

<b>Spills:</b>				
Type	Area	Volume	Corrective action	CA Date
<input type="checkbox"/> Multiple Spills and Releases?				

<b>Fencing/:</b>				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
WELLHEAD	SATISFACTORY	agricultural *2		
LOCATION	SATISFACTORY	reclamation area fenced off		

<b>Equipment:</b>			
Type: Horizontal Heated Separator	# 2	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action			Date:
Type: Gas Meter Run	# 4	Satisfactory/Action Required:	SATISFACTORY
Comment	1 sales, 1 buyback, 2 lift		
Corrective Action			Date:
Type: Pig Station	# 1	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action			Date:
Type: Emission Control Device	# 4	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action			Date:
Type: Ancillary equipment	# 2	Satisfactory/Action Required:	SATISFACTORY
Comment	containers - 1 engine oil, 1 coolant		
Corrective Action			Date:
Type: Compressor	# 1	Satisfactory/Action Required:	SATISFACTORY
Comment	gas lift, sales		
Corrective Action			Date:
Type: Ancillary equipment	# 1	Satisfactory/Action Required:	SATISFACTORY

Inspector Name: Pesicka, Conor

Comment	solar & telemetry		
Corrective Action			Date:
Type: Other	# 1	Satisfactory/Action Required:	SATISFACTORY
Comment	gas skid		
Corrective Action			Date:
Type: Plunger Lift	# 2	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action			Date:
Type: VRT	# 1	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action			Date:
Type: Ancillary equipment	# 3	Satisfactory/Action Required:	SATISFACTORY
Comment	pumps - 3 methanol		
Corrective Action			Date:
Type: Bird Protectors	# 6	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action			Date:

**Tanks and Berms:**☐ New Tank

Tank ID: \_\_\_\_\_

Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	1	500 BBLS	FIBERGLASS AST	40.389190,-104.164920

S/AR	SATISFACTORY	Comment:	
Corrective Action:		Corrective Date:	

Paint

Condition	Adequate
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Other (Content) \_\_\_\_\_

Other (Capacity) \_\_\_\_\_

Other (Type) \_\_\_\_\_

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance

Corrective Action		Corrective Date	
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Comment	Shared with crude oil
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**Tanks and Berms:**☐ New Tank

Tank ID: \_\_\_\_\_

Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	1	<100 BBLS	PBV CONCRETE	40.390370,-104.165350

S/AR	SATISFACTORY	Comment:	maintenance tank
Corrective Action:		Corrective Date:	

Paint

Condition	Adequate
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Other (Content) \_\_\_\_\_

Inspector Name: Pesicka, Conor

Other (Capacity) 80bbl

Other (Type)

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate

Corrective Action		Corrective Date	
Comment			

**Tanks and Berms:** ☐ New Tank Tank ID: \_\_\_\_\_

Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	2	<100 BBLS	PBV CONCRETE	40.389190,-104.164920

S/AR	SATISFACTORY	Comment:	
Corrective Action:		Corrective Date:	

Paint

Condition	Adequate
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Other (Content)

Other (Capacity) 80bbl

Other (Type)

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance

Corrective Action		Corrective Date	
Comment	Shared with crude oil		

**Tanks and Berms:** ☐ New Tank Tank ID: \_\_\_\_\_

Contents	#	Capacity	Type	SE GPS
CRUDE OIL	6	500 BBLS	STEEL AST	40.389190,-104.164920

S/AR	SATISFACTORY	Comment:	
Corrective Action:		Corrective Date:	

Paint

Condition	Adequate
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Other (Content)

Other (Capacity)

Other (Type)

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate

Corrective Action		Corrective Date	
Comment			

**Venting:**

Yes/No	NO
Comment	

**Flaring:**

Type	Satisfactory/Action Required	
Comment:		
Corrective Action:		Correct Action Date:

**Predrill**

Location ID: 437037

Lease Road Adeq.: \_\_\_\_\_ Pads: \_\_\_\_\_ Soil Stockpile: \_\_\_\_\_

**S/AR:** \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_ CDP Num.: \_\_\_\_\_

**Form 2A COAs:**

**S/AR:** \_\_\_\_\_ **Comment:** \_\_\_\_\_

**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Wildlife BMPs:**

BMP Type	Comment
Construction	<ul style="list-style-type: none"> <li>• COGCC Rules 604.a and 605.a (2,3,5,6,7, and 8), as applicable to tank setbacks at the time of installation shall apply to the siting of TVLSTs.</li> <li>• Signs shall be posted on each MLVT to indicate contents are freshwater and that no E&amp;P Waste fluids are allowed. Location and additional signage shall conform to Rule 210.</li> <li>• MLVTs may only be utilized for the storage of freshwater. E&amp;P wastes, including produced water, treated E&amp;P wastes, and flowback from hydraulic fracturing operations will not be allowed.</li> <li>• MLVTs shall not be located on non-engineered fill material. Subgrade preparation shall be verified by proof-rolling prior to MLVT installation.</li> <li>• All MLVT liners seams shall be welded at the liner manufacturer's facility. Field welded liners shall not be used. Liners shall not be reused.</li> <li>• Bonanza will develop a Contingency Plan specific to the location for any LVST leak or catastrophic failure of the tank integrity and resulting loss of fluid. The plan includes a notification process to the COGCC and local Emergency authority (municipality, county, or both) for any failure resulting in loss of fluid.</li> <li>• A minimum of 1 foot of freeboard will be maintained in all MLVTs.</li> <li>• Should a failure of MLVT integrity occur, Bonanza will notify COGCC upon discovery, report the incident to COGCC on a Form 22-Accident Report within 10 days of discovery, and conduct a root cause analysis. The results of the root cause analysis will be reported to COGCC on a Sundry-Form 4 within 30 days of discovery of the failure.</li> <li>• MLVTs will be constructed and operated in accordance with a design certified by a Colorado Licensed Professional Engineer.</li> <li>• Once in operation, MLVTs will be inspected daily and any deficiencies repaired as soon as practicable.</li> <li>• Access to the tanks shall be limited to operational personnel.</li> <li>• Bonanza will use only MLVTs supplied by Rockwater or other contractors that are knowingly complying with COGCC inspection, maintenance, and record keeping policies.</li> </ul>
Construction	<p>The following procedure describes BCEI standard construction practices for setting a partially buried pre-cast cement water vault and new tank battery construction.</p> <ol style="list-style-type: none"> <li>1) The excavation will first be lined with 4" of clay or other low permeability soil.</li> <li>2) A 30 mil liner will be installed on top of the low permeability soil. The 30 mil liner will be a contiguous liner which will underlay the entire tank battery.</li> <li>3) The tank battery / water vault liner will be keyed into a galvanized steel containment ring installed surrounding the tank battery.</li> <li>4) Sand bedding will be installed to protect the synthetic liner prior to placing equipment in the containment area.</li> </ol>

**S/AR:** \_\_\_\_\_ **Comment:** \_\_\_\_\_

**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Inspector Name: Pesicka, Conor

**Comment:** \_\_\_\_\_

**Staking:** \_\_\_\_\_

**On Site Inspection (305):**

**Surface Owner Contact Information:**

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

**Operator Rep. Contact Information:**

Landman Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Date Onsite Request Received: \_\_\_\_\_ Date of Rule 306 Consultation: \_\_\_\_\_

Request LGD Attendance: \_\_\_\_\_

**LGD Contact Information:**

Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_ Agreed to Attend: \_\_\_\_\_

**Summary of Landowner Issues:**

\_\_\_\_\_

**Summary of Operator Response to Landowner Issues:**

\_\_\_\_\_

**Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:**

\_\_\_\_\_

**Facility**

Facility ID: 437036 Type: WELL API Number: 123-39389 Status: PR Insp. Status: PR

**Producing Well**

Comment: **PR**

**BradenHead**

Comment: **Bradenhead plumbed to surface**

CA: \_\_\_\_\_

CA Date: \_\_\_\_\_

Facility ID: 438544 Type: WELL API Number: 123-40034 Status: PR Insp. Status: PR

**Producing Well**

Comment: **PR**

**BradenHead**

Comment: **Bradenhead plumbed to surface**

CA: \_\_\_\_\_

CA Date: \_\_\_\_\_

**Environmental**

**Spills/Releases:**

Type of Spill: \_\_\_\_\_ Description: \_\_\_\_\_ Estimated Spill Volume: \_\_\_\_\_

Comment: \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_

Reportable: \_\_\_\_\_ GPS: Lat \_\_\_\_\_ Long \_\_\_\_\_

Proximity to Surface Water: \_\_\_\_\_ Depth to Ground Water: \_\_\_\_\_

**Water Well:**

Inspector Name: Pesicka, Conor

DWR Receipt Num:	Owner Name:	GPS :	Lat _____ Long _____
<b>Field Parameters:</b>			
Sample Location: _____			
Emission Control Burner (ECB): Y _____			
Comment: _____			
Pilot: ON _____		Wildlife Protection Devices (fired vessels): YES _____	

### Reclamation - Storm Water - Pit

**Interim Reclamation:**

Date Interim Reclamation Started: \_\_\_\_\_ Date Interim Reclamation Completed: \_\_\_\_\_

Land Use: RANGELAND

Comment: \_\_\_\_\_

1003a. Waste and Debris removed? Pass

CM \_\_\_\_\_

CA \_\_\_\_\_ CA Date \_\_\_\_\_

Unused or unneeded equipment onsite? Pass

CM \_\_\_\_\_

CA \_\_\_\_\_ CA Date \_\_\_\_\_

Pit, cellars, rat holes and other bores closed? Pass

CM \_\_\_\_\_

CA \_\_\_\_\_ CA Date \_\_\_\_\_

Guy line anchors marked? \_\_\_\_\_

CM \_\_\_\_\_

CA \_\_\_\_\_ CA Date \_\_\_\_\_

1003b. Area no longer in use? In Production areas stabilized ? Pass

1003c. Compacted areas have been cross ripped? \_\_\_\_\_

1003d. Drilling pit closed? Pass Subsidence over on drill pit? Pass

Cuttings management: \_\_\_\_\_

1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? \_\_\_\_\_

Production areas have been stabilized? \_\_\_\_\_ Segregated soils have been replaced? \_\_\_\_\_

**RESTORATION AND REVEGETATION**

**Cropland**

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ Perennial forage re-established \_\_\_\_\_

**Non-Cropland**

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ 80% Revegetation \_\_\_\_\_

1003 f. Weeds Noxious weeds? \_\_\_\_\_

Comment: \_\_\_\_\_

Overall Interim Reclamation \_\_\_\_\_

**Final Reclamation/ Abandoned Location:**

Date Final Reclamation Started: \_\_\_\_\_

Date Final Reclamation Completed: \_\_\_\_\_

Final Land Use: RANGELAND

Reminder: \_\_\_\_\_

Comment: \_\_\_\_\_

Well plugged \_\_\_\_\_

Pit mouse/rat holes, cellars backfilled \_\_\_\_\_

Debris removed \_\_\_\_\_

No disturbance /Location never built \_\_\_\_\_

Access Roads Regraded \_\_\_\_\_

Contoured \_\_\_\_\_

Culverts removed \_\_\_\_\_

Gravel removed \_\_\_\_\_

Location and associated production facilities reclaimed \_\_\_\_\_

Locations, facilities, roads, recontoured \_\_\_\_\_

Compaction alleviation \_\_\_\_\_

Dust and erosion control \_\_\_\_\_

Non cropland: Revegetated 80% \_\_\_\_\_

Cropland: perennial forage \_\_\_\_\_

Weeds present \_\_\_\_\_

Subsidence \_\_\_\_\_

Comment: \_\_\_\_\_

Corrective Action: \_\_\_\_\_

Date \_\_\_\_\_

Overall Final Reclamation \_\_\_\_\_

Well Release on Active Location ☐Multi-Well Location ☐**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Gravel	Pass	Gravel	Pass			

S/A/V: SATISFACTORY

Corrective Date: \_\_\_\_\_

Comment: \_\_\_\_\_

CA: \_\_\_\_\_

**Pits:** ☒ NO SURFACE INDICATION OF PIT**Attached Documents**You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
684902045	INSPECTION APPROVED	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3933369">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3933369</a>
684902046	No contents, capacity, placard on H2O vaults	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3933316">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3933316</a>
684902047	No contents, placard on maintenance vault	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3933317">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3933317</a>