

**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

DE ET OE ES

Inspection Date:

09/11/2014

Document Number:

673900494

Overall Inspection:

SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	433296	433300	Rains, Bill	<input type="checkbox"/>	

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
Jones, Allen		jaj@bonanzacrk.com	send all Insp. to Allen

Compliance Summary:

QtrQtr: SESE Sec: 36 Twp: 5N Range: 63W

Inspector Comment:**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
433296	WELL	PR	11/15/2013		123-37577	State North Platte 34-31-36HNB	PR	<input checked="" type="checkbox"/>
433298	WELL	PR	10/14/2013		123-37578	State North Platte Y-U-36HC	PR	<input checked="" type="checkbox"/>
436246	WELL	DG	05/06/2014	LO	123-39006	State North Platte 44-41-36HNB	PR	<input checked="" type="checkbox"/>
436247	WELL	DG	04/29/2014	LO	123-39007	State North Platte T44-P41-36HNC	PR	<input checked="" type="checkbox"/>
436248	WELL	DG	07/07/2014	LO	123-39008	State North Platte T34-P31-36HNC	PR	<input checked="" type="checkbox"/>
436249	WELL	DG	04/19/2014	LO	123-39009	State North Platte T-P-36HNB	PR	<input checked="" type="checkbox"/>
436250	WELL	DG	05/18/2014	LO	123-39010	State North Platte Y44-U41-36HNC	PR	<input checked="" type="checkbox"/>

Equipment:Location Inventory

Special Purpose Pits: <u> </u>	Drilling Pits: <u> </u>	Wells: <u>7</u>	Production Pits: <u> </u>
Condensate Tanks: <u>28</u>	Water Tanks: <u>7</u>	Separators: <u>7</u>	Electric Motors: <u>7</u>
Gas or Diesel Mortors: <u>7</u>	Cavity Pumps: <u> </u>	LACT Unit: <u> </u>	Pump Jacks: <u>7</u>
Electric Generators: <u>4</u>	Gas Pipeline: <u>1</u>	Oil Pipeline: <u> </u>	Water Pipeline: <u> </u>
Gas Compressors: <u>6</u>	VOC Combustor: <u>7</u>	Oil Tanks: <u> </u>	Dehydrator Units: <u> </u>
Multi-Well Pits: <u> </u>	Pigging Station: <u>1</u>	Flare: <u> </u>	Fuel Tanks: <u> </u>

Location**Signs/Marker:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
TANK LABELS/PLACARDS	ACTION REQUIRED	NO SIGNS FOR CONCRETE PITS	Install sign to comply with rule 210.	09/25/2014
BATTERY	SATISFACTORY			
WELLHEAD	ACTION REQUIRED	WRONG SIGN FOR API# 05-123-37577	Install sign to comply with rule 210.	09/25/2014
CONTAINERS	SATISFACTORY			

Emergency Contact Number (S/A/V): SATISFACTORY

Corrective Date: _____

Comment: _____

Corrective Action: _____

Good Housekeeping:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
UNUSED EQUIPMENT	ACTION REQUIRED	UNUSED EQUIPMENT ON LOCATION	REMOVE UNUSED EQUIPMENT	09/25/2014

Spills:

Type	Area	Volume	Corrective action	CA Date
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☐ Multiple Spills and Releases?**Fencing/:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
LOCATION	SATISFACTORY	WIRE		

Equipment:

Type	#	Satisfactory/Action Required	Comment	Corrective Action	CA Date
Plunger Lift	7	SATISFACTORY			
Compressor	3	SATISFACTORY			
Bird Protectors	11	SATISFACTORY			
VRU	4	SATISFACTORY			
Vertical Separator	2	SATISFACTORY			
Ancillary equipment	8	SATISFACTORY	CHEM PUMPS AND SOLAR PANEL		
Emission Control Device	4	SATISFACTORY			
Gas Meter Run	7	SATISFACTORY			
Horizontal Heated Separator	7	SATISFACTORY			

Facilities: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
			CENTRALIZED PAD	,

S/A/V:		Comment:	
Corrective Action:		Corrective Date:	

Paint

Condition	
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Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance

Corrective Action		Corrective Date	
Comment			

Facilities: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	2		BV CONCRETE	,

S/A/V:	SATISFACTORY	Comment:	
Corrective Action:		Corrective Date:	

Paint

Condition	
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Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance

Corrective Action		Corrective Date	
Comment			

Inspector Name: Rains, Bill

Facilities:		<input type="checkbox"/> New Tank	Tank ID: _____	
Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	4	500 BBLS	STEEL AST	,
S/A/V:	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
Comment	

Facilities:		<input type="checkbox"/> New Tank	Tank ID: _____	
Contents	#	Capacity	Type	SE GPS
CRUDE OIL	16	500 BBLS	STEEL AST	40.350200,-104.380290
S/A/V:	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	Comment
NO	

Flaring:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

<u>Predrill</u>				
Location ID: 433296				
Site Preparation:				
Lease Road Adeq.: _____		Pads: _____		Soil Stockpile: _____

S/AV: _____

Corrective Action: _____ Date: _____ CDP Num.: _____

Form 2A COAs:

S/AV: _____ **Comment:**

CA: **Date:** _____

Wildlife BMPs:

BMP Type	Comment
Construction	<p>Construction, Maintenance and Surface Reclamation Plan State North Platte T-36 Pad; Sec 36 T5N, R63W, 6th PM, Weld County, CO Located On Colorado State Lands</p> <p>Bonanza Creek Energy, Inc. ("Bonanza") proposes the following procedures for Maintenance and Reclamation of surface disturbances caused by activities associated with drilling and production activities on land owned and managed by the State of Colorado.</p> <p>Construction Activities</p> <ul style="list-style-type: none"> • Construction of location and new access roads will account for existing topography in order to avoid excessive road cuts into existing sand dunes and related landforms. • Prior to construction of location and new road(s) vegetation will be stripped. • Intent is to construct road across the top of the existing topography leaving topsoil in place. If State requires topsoil to be stockpiled it will be rolled to the designated side of the road to segregate and stockpile. The resulting topsoil stockpile will be secured to prevent wind erosion and treated to prevent growth of noxious weeds. • Road construction in excessively sandy areas; disturbances will be covered with 2-4 inches of gravel or roadbase and compacted. Roadbase will be augmented as necessary for the life of the access road. • In order to construct a level drilling and operations location with a 500 ft x 500 ft working area, adjacent sand dunes and related landforms will be cut to a 1.5:1 slope. The cut slopes will be treated with an application of Tackifier containing grass seed and shredded cardboard mulch. • The cut slopes will be watered (and re-treated) as necessary until sufficient vegetation is established to protect the slope from soil loss due to wind and water erosion. • The leveled drilling and operations pad will be treated with Magnesium Chloride to prevent dust and erosion due to wind and water. Magnesium Chloride will be re-applied, as necessary until interim reclamation is initiated. <p>Maintenance</p> <ul style="list-style-type: none"> • During lease operation Bonanza will control noxious weeds on the location in conformance with Colorado Noxious Weed Act and local guidelines. • Appropriate BMPs will be instituted as necessary in order to mitigate loss of soil due to erosion. <p>Final Reclamation</p> <ul style="list-style-type: none"> • Land will be re-contoured and stabilized to support vegetation, reduce erosion, and establish "bowls" in the general shape and vicinity as those pre-existing, documented by survey and photographs. • In areas where topsoil was stockpiled the topsoil will be distributed evenly over the entire disturbed area. • The seedbed will be prepared by disking to a depth of four (4) to six (6) inches, where feasible, following the contour. If the surface is not overly compacted it will not be ripped to hold seed. If necessary, after the road area has been reshaped and after redistributing available topsoil, Bonanza will rip and scarify on the contour to a depth of twelve inches. • All disturbed areas will be seeded with a seed mixture representative of the surrounding vegetation, as detailed in the Attached NRCS Rangeland Productivity and Plant Composition Report (Valent Sand, Map Unit 70), or a mixture specified by the surface owner. • Seeds will be planted after September 15th and/or prior to ground frost or seed will be planted after the last frost in spring and before dry summer conditions. Seed will be planted to a depth of 0.5 inch. Stabilization using straw crimp or other approved method will be used to stabilize the seedbed to prevent soil loss. Certified seed will be used with a minimum germination rate of 80% and a purity of 90%. • Prior to final reclamation or abandonment of the well site and road, a joint inspection of the disturbed area will be held with the surface owner and operator.

Inspector Name: Rains, Bill

Construction	Bonanza Creek Energy Best Management Practices for Installation of Cement Water Vaults 1) The excavation will first be lined with 4" of clay or other low permeability soil. 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. 3) The tank battery / water vault liner will be keyed into a galvanized steel containment ring installed surrounding the tank battery. 4) Sand bedding will be installed to protect the synthetic liner prior to placing equipment in the containment area.
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S/A/V: _____ **Comment:** _____

CA: _____ **Date:** _____

Stormwater:

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:

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Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

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Facility

Facility ID: 433296 Type: WELL API Number: 123-37577 Status: PR Insp. Status: PR

Producing Well

Comment: PR

Facility ID: 433298 Type: WELL API Number: 123-37578 Status: PR Insp. Status: PR

Producing Well

Comment: PR

Facility ID: 436246 Type: WELL API Number: 123-39006 Status: DG Insp. Status: PR

Producing Well

Comment: PR

Facility ID: 436247 Type: WELL API Number: 123-39007 Status: DG Insp. Status: PR

Inspector Name: Rains, Bill

Producing Well

Comment: **PR**

Facility ID: 436248 Type: WELL API Number: 123-39008 Status: DG Insp. Status: PR

Producing Well

Comment: **PR**

Facility ID: 436249 Type: WELL API Number: 123-39009 Status: DG Insp. Status: PR

Producing Well

Comment: **PR**

Facility ID: 436250 Type: WELL API Number: 123-39010 Status: DG Insp. Status: PR

Producing Well

Comment: **PR**

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:

DWR Receipt Num: Owner Name: GPS : Lat Long

Field Parameters:

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. Debris removed? Pass CM

CA CA Date

Waste Material Onsite? Pass CM

CA CA Date

Unused or unneeded equipment onsite? In CM

Inspector Name: Rains, Bill

CA _____ CA Date _____
Pit, cellars, rat holes and other bores closed? Pass CM _____
CA _____ CA Date _____
Guy line anchors removed? Pass CM _____
CA _____ CA Date _____
Guy line anchors marked? _____ CM _____
CA _____ CA Date _____

1003b. Area no longer in use? Pass Production areas stabilized ? Pass
1003c. Compacted areas have been cross ripped? _____
1003d. Drilling pit closed? Pass Subsidence over on drill pit? _____
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? Pass Segregated soils have been replaced? Pass

RESTORATION AND REVEGETATION

Cropland

Top soil replaced _____ Recontoured _____ Perennial forage re-established _____

Non-Cropland

Top soil replaced Pass Recontoured In 80% Revegetation _____

1003 f. Weeds Noxious weeds? _____

Comment: _____

Overall Interim Reclamation In Process

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 ☐

Inspector Name: Rains, Bill

Storm Water:						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Gravel	Pass	Gravel	Pass	MHSP	Pass	
S/A/V: SATISFACTOR Y						
Corrective Date: _____						
Comment: _____						
CA: _____						
Pits: <input checked="" type="checkbox"/> NO SURFACE INDICATION OF PIT						