

**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

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Inspection Date:

04/07/2015

Document Number:

673900908

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: 8960Name of Operator: BONANZA CREEK ENERGY OPERATING COMPANYAddress: 410 17TH STREET SUITE #1400City: 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,		EHSRC@bonanzacrk.com	All Inspections

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

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
09/11/2014	673900494	PR	PR	SATISFACTORY	I		No

Inspector Comment:**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
433296	WELL	PR	03/03/2015	OW	123-37577	State North Platte 34-31-36HNB	PR	<input checked="" type="checkbox"/>
433298	WELL	PR	03/03/2015	OW	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	PR	10/22/2014	OW	123-39008	State North Platte T34-P31-36HNC	PR	<input checked="" type="checkbox"/>
436249	WELL	PR	10/22/2014	OW	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

Inspector Name: Rains, Bill

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>7</u>	Production Pits: _____
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: _____	LACT Unit: _____	Pump Jacks: <u>7</u>
Electric Generators: <u>4</u>	Gas Pipeline: <u>1</u>	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: <u>6</u>	VOC Combustor: <u>7</u>	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: <u>1</u>	Flare: _____	Fuel Tanks: _____

Location

Signs/Marker:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
TANK LABELS/PLACARDS	SATISFACTORY			
WELLHEAD	SATISFACTORY			
CONTAINERS	SATISFACTORY			
BATTERY	SATISFACTORY			

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

Corrective Date: _____

Comment: _____

Corrective Action: _____

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		
WELLHEAD	SATISFACTORY	PIPE		

Equipment:

Type	#	Satisfactory/Action Required	Comment	Corrective Action	CA Date
Bird Protectors	13	SATISFACTORY			
Other	1	SATISFACTORY	GAS LIFT SKID		
Vertical Separator	2	SATISFACTORY			
Ancillary equipment	10	SATISFACTORY	SOLAR PANELS, OIL AND CHEM TANKS		
Plunger Lift	7	SATISFACTORY			
VRU	4	SATISFACTORY			
Other	3	SATISFACTORY	GLYCOL HEATERS		
Emission Control Device	4	SATISFACTORY			
Gas Meter Run	14	SATISFACTORY			
Horizontal Heated Separator	7	SATISFACTORY			

Facilities:		<input type="checkbox"/> New Tank		Tank ID: _____	
Contents	#	Capacity	Type	SE GPS	
			CENTRALIZED PAD		
S/A/V:			Comment:		
Corrective Action:				Corrective Date:	
<u>Paint</u>					
Condition					
Other (Content) _____					
Other (Capacity) _____					
Other (Type) _____					
<u>Berms</u>					
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	
PRODUCED WATER	2	<100 BBLS	BV CONCRETE		
S/A/V:			Comment:		
Corrective Action:				Corrective Date:	
<u>Paint</u>					
Condition					
Other (Content) _____					
Other (Capacity) _____					
Other (Type) _____					
<u>Berms</u>					
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	
PRODUCED WATER	4	500 BBLS	STEEL AST		
S/A/V:	SATISFACTORY		Comment:		
Corrective Action:				Corrective Date:	
<u>Paint</u>					
Condition	Adequate				
Other (Content) _____					
Other (Capacity) _____					
Other (Type) _____					
<u>Berms</u>					

Inspector Name: Rains, Bill

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,-104.380220		
S/A/V:	SATISFACTORY		Comment:			
Corrective Action:					Corrective Date:	
Paint						
Condition	Adequate					
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	
Predrill						
Location ID: 433296						
Site Preparation:						
Lease Road Adeq.:		Pads:		Soil Stockpile:		
S/A/V: _____						
Corrective Action:		Date:		CDP Num.:		
Form 2A COAs:						
S/A/V: _____		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.

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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

BradenHead

Comment: BRADENHEAD EXPOSED TO SURFACE

CA: _____

CA Date: _____

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

Producing Well

Comment: PR

BradenHeadComment: **BRADENHEAD EXPOSED TO SURFACE**CA: CA Date: Facility ID: 436246 Type: WELL API Number: 123-39006 Status: DG Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **BRADENHEAD EXPOSED TO SURFACE**CA: CA Date: Facility ID: 436247 Type: WELL API Number: 123-39007 Status: DG Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **BRADENHEAD EXPOSED TO SURFACE**CA: CA Date: Facility ID: 436248 Type: WELL API Number: 123-39008 Status: PR Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **BRADENHEAD EXPOSED TO SURFACE**CA: CA Date: Facility ID: 436249 Type: WELL API Number: 123-39009 Status: PR Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **BRADENHEAD EXPOSED TO SURFACE**CA: CA Date: Facility ID: 436250 Type: WELL API Number: 123-39010 Status: DG Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **BRADENHEAD EXPOSED 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:

Lat _____ Long _____
 DWR Receipt Num: _____ Owner Name: _____ GPS : _____

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? Pass CM _____ 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? 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? _____

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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: SATISFACTOR Y Corrective Date: _____

Comment: _____

CA: _____

Pits: ☒ NO SURFACE INDICATION OF PIT