

**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
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Inspection Date:
03/11/2015Document Number:
666800754Overall Inspection:
SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	281345	335153	Murray, Richard	<input type="checkbox"/>	

Operator Information:OGCC Operator Number: 10531Name of Operator: VANGUARD OPERATING LLCAddress: 5847 SAN FELIPE #3000City: HOUSTON State: TX Zip: 77057

- ☐ 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
Axelson, Aaron	970-230-0926	aaxelson@vnrlc.com	Sr. Production Foreman
Ghan, Scott		sghan@vnrlc.com	Sr. EH&S

Compliance Summary:QtrQtr: NWNE Sec: 36 Twp: 6S Range: 92W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
03/13/2009	200205751	PR	PR	SATISFACTORY			No
08/27/2008	200194456	CO	PR	SATISFACTORY			No
11/20/2006	200101033	PR	PR	SATISFACTORY	I	Pass	No
07/15/2006	200100508	CO	PR	SATISFACTORY		Pass	No
07/11/2006	200099144	PR	WO	SATISFACTORY		Pass	No

Inspector Comment:**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
261190	WELL	PR	12/27/2007	GW	045-07929	SCOTT 2-36	PR	<input checked="" type="checkbox"/>
261317	WELL	AL	06/24/2003	LO	045-07946	MILLER 7-36	AL	<input checked="" type="checkbox"/>
279978	WELL	PR	09/13/2005	GW	045-11126	SCOTT 31A-36-692	PR	<input checked="" type="checkbox"/>
279979	WELL	PR	02/11/2006	GW	045-11127	SCOTT 21B-36-692	PR	<input checked="" type="checkbox"/>
279980	WELL	PR	02/03/2006	GW	045-11128	SCOTT 21D-36-692	PR	<input checked="" type="checkbox"/>
279982	WELL	PR	02/03/2006	GW	045-11125	SCOTT 31C-36-692	PR	<input checked="" type="checkbox"/>
281345	WELL	PR	08/06/2006	GW	045-11434	SCOTT 22D-36-692	PR	<input checked="" type="checkbox"/>

Inspector Name: Murray, Richard

281346	WELL	PR	08/02/2006	GW	045-11435	SCOTT 32C-36-692	PR	<input checked="" type="checkbox"/>
281347	WELL	PR	08/05/2006	GW	045-11436	SCOTT 22B-36-692	SI	<input checked="" type="checkbox"/>
428537	WELL	XX	03/10/2014	LO	045-21466	SCOTT 22C-36-692	XX	<input type="checkbox"/>
428538	WELL	XX	03/10/2014	LO	045-21467	SCOTT 31D-36-692	XX	<input type="checkbox"/>
428539	WELL	XX	03/10/2014	LO	045-21468	SCOTT 31B-36-692	XX	<input type="checkbox"/>
428540	WELL	XX	03/10/2014	LO	045-21469	SCOTT 32D-36-692	XX	<input type="checkbox"/>
428541	WELL	XX	04/14/2012	LO	045-21470	Scott 21A-36-692	XX	<input type="checkbox"/>
428542	WELL	XX	03/10/2014	LO	045-21471	SCOTT 21C-36-692	XX	<input type="checkbox"/>

Equipment:

Location Inventory

Special Purpose Pits: _____	Drilling Pits: <u>1</u>	Wells: <u>14</u>	Production Pits: _____
Condensate Tanks: _____	Water Tanks: <u>3</u>	Separators: <u>14</u>	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: <u>1</u>	Oil Pipeline: _____	Water Pipeline: <u>2</u>
Gas Compressors: _____	VOC Combustor: <u>1</u>	Oil Tanks: <u>5</u>	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

Location

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?

Equipment:

Type	#	Satisfactory/Action Required	Comment	Corrective Action	CA Date
Vertical Separator	5	SATISFACTORY			
Gas Meter Run	1	SATISFACTORY			
Dehydrator	0	SATISFACTORY			
Horizontal Heated Separator	9	SATISFACTORY			
Plunger Lift	8	SATISFACTORY			

Venting:

Yes/No	Comment
YES	Bradenhead valves open

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

Predrill

Location ID: 281345

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
General Housekeeping	<p>BBC GENERAL PRACTICES NOTIFICATIONS</p> <p>? Proper notifications required by COGCC regulations or policy memos will be adhered to</p> <p>TRENCHES/PITS/TEMPORARY FRAC TANKS</p> <p>? Unlined pits will not be constructed on fill material.</p> <p>? Drill cuttings from the wellbore will be directed into a lined and bermed surface containments. Any free liquids accumulated in the containment would be removed as soon as practicable.</p> <p>? Drilling pits utilized for completion operations will be permitted (if applicable) and lined, operated in accordance with COGCC regulations, specifically Rule 903 and Rule 904. All permitted pits (Form 15) will be closed per Rule 905 and non-permitted drilling pits would be closed in accordance with Rule 1003.</p> <p>? Drilling pits used for completion will be fenced with appropriate wildlife mesh on the bottom portion. Appropriate netting will be installed within 30 days of the pit becoming inactive.</p> <p>? Flowback and stimulation fluids from the wells being completed will be sent to tanks and/or filters to allow the sand to settle out before the fluids are placed into the pit for reuse or disposal at a BBC SWD facility.</p> <p>? All flowback water will be confined to the lined completion pit or storage tanks for a period not to exceed ninety days and will be recycled for re-use, piped or trucked offsite to one of the approved disposal facilities below. Flowback sands stored on location will be remediated and buried on location or hauled to a state approved disposal facility.</p> <ul style="list-style-type: none"> o Circle B Land 33A-35-692SWD, API# 05-045-18493, UIC# 159277 o GGU Rodreick #21B-31-691 SWD, API# 05-045-13803, UIC# 159176 o Specialty #13A-28-692 SWD, API# 05-045-14054, UIC# 159212 o Scott 41D-36-692 SWD, API# 05-045-11169, UIC# 159159 <p>? Temporary frac tanks installed on location will have proper secondary containment according to SPCC regulations such as either putting a perimeter berm around location or around the frac tanks.</p>

Wildlife	<p>BBC WILDLIFE BEST MANAGEMENT PRACTICES</p> <p>GENERAL WILDLIFE AND ENVIRONMENTAL PROTECTION MEASURES</p> <p>? Establish policies to protect wildlife (e.g., no poaching, no firearms, no dogs on location, no feeding of wildlife, etc.)</p> <p>? Promptly report spills that affect wildlife to the Water Quality Control Division of CDPHE and CDOW</p> <p>? Avoid location staging, refueling, and storage areas within 300 feet, of any reservoir, lake, wetland, or natural perennial or seasonal flowing stream or river.</p> <p>INFRASTRUCTURE LAYOUT WILDLIFE PROTECTION MEASURES</p> <p>? Implementing fugitive dust control measures</p> <p>? Limit parking to disturbed areas as much as possible</p> <p>DRILLING AND PRODUCTION OPERATION WILDLIFE PROTECTION MEASURES</p> <p>? Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multifunction contractors, where practicable.</p> <p>? Install exclusionary device to prevent bird and other wildlife access to equipment stacks, vents and openings.</p> <p>? Establish company guidelines to minimize wildlife mortality from vehicle collision on roads.</p> <p>FLUID PIT/POND WILDLIFE PROTECTION MEASURES</p> <p>? Install and maintain adequate measures to exclude all types of wildlife (e.g., big game and birds) from all fluid pits/ponds with fencing, flagging and other appropriate exclusion measures). BBC currently installs 6' wildlife proof fences on all pits and freshwater ponds with free liquids. In addition, BBC will install bird netting over "inactive" pits with free liquids after 30 days of inactivity.</p> <p>INVASIVE/NON-NATIVE VEGETATION CONTROL</p> <p>? Educate employees and contractors about noxious and invasive weed issues.</p> <p>RESTORATION, RECLAMATION AND ABANDONMENT</p> <p>? Avoid aggressive non-native grasses and shrubs in mule deer and elk habitat restorations.</p> <p>? Revegetate with seed mixtures that are of the surface owner's preference that are compatible with both livestock and wildlife.</p>
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Storm Water/Erosion
Control

BBC STORM WATER AND SPILL CONTROL PRACTICES

GENERAL

- ? Utilize diking and other forms of containment and diversions around tanks, drums, chemicals, liquids, pits, impoundments, or well pads
- ? Use drip pans, sumps, or liners where appropriate
- ? Limit the amount of land disturbed during construction of pad, access road, and facilities
- ? Employ spill response plan (SPCC) for all facilities
- ? Dispose properly offsite any wastes fluids and other materials

MATERIAL HANDLING, ACTIVITIES, PRACTICES AND STORM WATER DIVERSION

- ? Secondary containment of tanks, drums, and storage areas is mandatory to prohibit discharges to surface waters. A minimum of 110% capacity required of largest storage tank within a containment area
- ? Material handling and spill prevention procedures and practices will be followed to help prohibit discharges to surface waters

- ? Proper loading, and transportation procedures to be followed for all materials to and from locations

EROSION CONTROL

- ? Pad and access road to be designed to minimize erosion
- ? Pad and access road to implement appropriate erosion control devices where necessary to minimize erosion
- ? Routine inspections of sites and controls to be implemented with additions, repairs, and optimization to occur as necessary to minimize erosion

SELF INSPECTION, MAINTENANCE, AND HOUSEKEEPING

- ? All employees are trained in spill response, good housekeeping, material management practices, and procedures for equipment and container washing annually
- ? Conduct internal storm water inspections per applicable stormwater regulations
- ? Conduct routine informal inspections of all tanks and storage facilities at least weekly
- ? All containment areas are to be inspected weekly or following a heavy rain event.
- ? Any excessive precipitation accumulation within containment should be removed as appropriate and disposed of properly
- ? All structural berms, dikes, and containment will be inspected periodically to ensure they are operating correctly

SPILL RESPONSE

- ? Spill response procedures as per the BBC field SPCC Plan

VEHICLE & LOCATION PROCEDURES

- ? Vehicles entering location are to be free of chemical, oil, mud, weeds, trash, and debris
- ? Location to be treated to kill weeds and bladed when necessary

Bill Barrett Corp. – CDPHE Stormwater Permit Number: COR-039752

S/A/V: SATISFACTORY**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:

Inspector Name: Murray, Richard

Summary of Operator Response to Landowner Issues:

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

Facility

Facility ID: 261190 Type: WELL API Number: 045-07929 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 261317 Type: WELL API Number: 045-07946 Status: AL Insp. Status: AL

Idle Well

Purpose: ☐ Shut In ☐ Temporarily Abandoned Reminder: _____

S/A/V: _____ CA Date: _____

CA: _____

Comment: No visal sign of well

Facility ID: 279978 Type: WELL API Number: 045-11126 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 279979 Type: WELL API Number: 045-11127 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 279980 Type: WELL API Number: 045-11128 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 279982 Type: WELL API Number: 045-11125 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 281345 Type: WELL API Number: 045-11434 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 281346 Type: WELL API Number: 045-11435 Status: PR Insp. Status: PR

Producing Well

Comment: Plunger lift

Facility ID: 281347 Type: WELL API Number: 045-11436 Status: PR Insp. Status: SI

Idle Well

Purpose: ☒ Shut In ☐ Temporarily Abandoned Reminder: _____
 S/A/V: SATISFACTORY CA Date: _____
 CA: _____
 Comment: Last posted production numbers Jul 2014

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: _____

Complaint:

Tracking Num	Category	Assigned To	Description	Incident Date
1260569	ODOR	Graham, Dave	ONI STATED THAT SHE HAS ODOR COMING FROM A NEARBY PAD AT 4:00 P.M. I TOLD HER I WOULD BE THERE SOON TO INVESTIGATE THE AREA.	07/08/2006

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: IMPROVED PASTURE

Comment: _____

1003a. Debris removed? Pass CM _____

CA _____ CA Date _____

Waste Material Onsite? In CM Sand _____

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? _____ CM _____

CA _____ CA Date _____

Guy line anchors marked? Pass CM _____

CA _____ CA Date _____

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

1003c. Compacted areas have been cross ripped? Pass

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? _____ 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 _____

Date Final Reclamation Started: _____	Date Final Reclamation Completed: _____
Final Land Use: IMPROVED PASTURE	
Reminder: _____	
Comment: _____	
Well plugged _____	Pit mouse/rat holes, cellars backfilled _____
Debris removed _____	No disturbance /Location never built _____
Access Roads _____	Regraded _____
Gravel removed _____	Contoured _____
	Culverts 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 <input type="checkbox"/> Multi-Well Location <input type="checkbox"/>

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Berms	Pass					
		Culverts	Pass			
Seeding	Pass					
Ditches	Pass					

Inspector Name: Murray, Richard

		Check Dams	Pass			
		Ditches	Pass			

S/A/V: SATISFACTOR
Y _____

Corrective Date: _____

Comment: _____

CA: _____

Pits: ☒ NO SURFACE INDICATION OF PIT