

**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:

04/13/2016

Document Number:

684900907

Overall Inspection:

ACTION REQUIRED**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	437190	437190	Pesicka, Conor	<input type="checkbox"/>	

Operator Information:OGCC Operator Number: 10439Name of Operator: CARRIZO NIOBRARA LLCAddress: 500 DALLAS STREET #2300City: HOUSTON State: TX Zip: 77002☐ 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
		jeff.schneider@carrizo.com	
Lowery, Sheldon	713-358-6492	sheldon.lowery@crzo.net	

Compliance Summary:QtrQtr: SWSW Sec: 25 Twp: 8N Range: 60W**Inspector Comment:****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
437191	WELL	PR	01/05/2014	OW	123-39440	HEMBERGER 5-25-8-60	PR	<input checked="" type="checkbox"/>
437192	WELL	PR	08/14/2015	OW	123-39441	HEMBERGER 6-25-8-60	PR	<input checked="" type="checkbox"/>
437193	WELL	PR	09/12/2014	OW	123-39442	HEMBERGER 4-25-8-60	PR	<input checked="" type="checkbox"/>
437194	WELL	PR	08/14/2015	OW	123-39443	HEMBERGER 3-25-8-60	PR	<input checked="" type="checkbox"/>
437195	WELL	PR	09/12/2014	OW	123-39444	Hemberger 1-25-8-60	PR	<input checked="" type="checkbox"/>

Equipment:Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>5</u>	Production Pits: _____
Condensate Tanks: _____	Water Tanks: <u>5</u>	Separators: <u>7</u>	Electric Motors: _____
Gas or Diesel Motors: <u>5</u>	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: <u>5</u>
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: <u>1</u>	Oil Tanks: <u>15</u>	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: <u>1</u>	Fuel Tanks: _____

Location

Lease Road:				
Type	Satisfactory/Action Required	comment	Corrective Action	Date

Signs/Marker:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
TANK LABELS/PLACARDS	SATISFACTORY			
BATTERY	SATISFACTORY			
WELLHEAD	SATISFACTORY			
CONTAINERS	ACTION REQUIRED	engine oil, methanol, emulsion breaker, coolant, corrosion inhibitor, biocide; one emulsion breaker and coolant require safety placards	Install sign to comply with rule 210.	06/13/2016

Emergency Contact Number (S/AR): SATISFACTORY

Corrective Date: _____

Comment: _____

Corrective Action: _____

Good Housekeeping:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Spills:				
Type	Area	Volume	Corrective action	CA Date
Crude Oil	Truck Loadout	<= 1 bbl	Fix leaks if any, remove or remediate stained soil	05/13/2016

☐ Multiple Spills and Releases?

Fencing/:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
WELLHEAD	SATISFACTORY	agricultural		

Equipment:			
Type: Flare	# 1	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action			Date:
Type: Veritcal Heater Treater	# 5	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action			Date:
Type: Ancillary equipment	# 9	Satisfactory/Action Required:	SATISFACTORY
Comment	chemical pumps; 3 emulsion breaker, 3 biocide, 3 corrosion inhibitor		
Corrective Action			Date:

Inspector Name: Pesicka, Conor

Type: Vertical Separator	# 7	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action			Date:
Type: Ancillary equipment	# 3	Satisfactory/Action Required:	SATISFACTORY
Comment	chemical tanks; methanol, engine oil, coolant		
Corrective Action			Date:
Type: Plunger Lift	# 5	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action			Date:
Type: Emission Control Device	# 1	Satisfactory/Action Required:	ACTION REQUIRED
Comment	ECD off; stained soil at ECD		
Corrective Action	reignite; remove or remediate stained soil (CA date: 05/13/2016 for stained soil)		Date: 4/20/2016
Type: Horizontal Separator	# 1	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action			Date:
Type: Ancillary equipment	# 2	Satisfactory/Action Required:	SATISFACTORY
Comment	propane tanks		
Corrective Action			Date:
Type: Gas Meter Run	# 17	Satisfactory/Action Required:	SATISFACTORY
Comment	5 sales, 5 flare, 7 gas lift		
Corrective Action			Date:
Type: Bird Protectors	# 7	Satisfactory/Action Required:	SATISFACTORY
Comment			
Corrective Action			Date:
Type: Compressor	# 1	Satisfactory/Action Required:	SATISFACTORY
Comment	gas lift		
Corrective Action			Date:

Facilities:☐ New Tank

Tank ID: _____

Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	5	400 BBLS	FIBERGLASS AST	40.627070,-104.046940

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

Paint

Condition	Adequate
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Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Inspector Name: Pesicka, Conor

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Corrective Action					Corrective Date
Comment	Shared with crude oil				
Facilities: <input type="checkbox"/> New Tank Tank ID: _____					
Contents	#	Capacity	Type	SE GPS	
CRUDE OIL	19	400 BBLS	STEEL AST	40.627070,-104.046940	
S/AR	SATISFACTORY		Comment:		
Corrective Action:					Corrective Date:
<u>Paint</u>					
Condition	Adequate				
Other (Content) _____					
Other (Capacity) _____					
Other (Type) _____					
<u>Berms</u>					
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: 437190					
Site Preparation:					
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	The construction location will be fenced.				

Inspector Name: Pesicka, Conor

Drilling/Completion Operations	Freshwater for the existing Freshwater Storage Pit comes from water provider; water sources permitted for consumable industrial use. Freshwater Storage Pit shall contain freshwater only and signage prohibiting the use of the pit for any fluid that does not come from municipal, irrigation or surface water source. Operator will implement interim reclamation measure immediately after construction of the location to stabilize cut and fill slopes, stabilize the topsoil and spoil stockpiles, establish desirable vegetation and control weeds on the location. An Open Hole Resistivity log will be provided for one well on this pad, preferable the number 4 well.
Material Handling and Spill Prevention	Operator will ensure 110 percent secondary containment for any volume of fluids contained at the well site during drilling and completion. Operator will implement best management practices to contain any unintentional release of fluids. Operator shall not allow any fluids to flow back to the Freshwater Storage Pit/Pond.
Planning	Existing Freshwater storage pit will be used that was permitted for the Hemberger 25-34-8-60 PAD.
Storm Water/Erosion Control	Operator has designed the well pad with insloping and a storm water control ditch to prevent storm water run-on/run-off and the release of fluids from the location. See attached Construction Layout Drawing.

S/AR: _____ **Comment:** _____

CA: _____ **Date:** _____

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: 437191 Type: WELL API Number: 123-39440 Status: PR Insp. Status: PR

Producing Well

Comment: PR

BradenHead

Comment: Bradenhead plumbed to surface

CA: _____

CA Date: _____

Facility ID: 437192 Type: WELL API Number: 123-39441 Status: PR Insp. Status: PR

Producing WellComment: **PR****BradenHead**Comment: **Bradenhead plumbed to surface**

CA:

CA Date:

Facility ID: 437193 Type: WELL API Number: 123-39442 Status: PR Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **Bradenhead plumbed to surface**

CA:

CA Date:

Facility ID: 437194 Type: WELL API Number: 123-39443 Status: PR Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **Bradenhead plumbed to surface**

CA:

CA Date:

Facility ID: 437195 Type: WELL API Number: 123-39444 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:

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

Field Parameters:

Sample Location: _____

Inspector Name: Pesicka, Conor

Emission Control Burner (ECB): Y

Comment: See ECD under equipment for CA and date

Pilot: OFF

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: _____

Inspector Name: Pesicka, Conor

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
Ditches	Pass	Culverts	Pass			
Gravel	Pass	Gravel	Pass			
Mulching	Pass					
Berms	Pass					

S/A/V: SATISFACTOR

Corrective Date: _____

Y

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
684900908	stained soil at truck loadout	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3831889
684900909	stained soil at truck loadout	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3831890
684900910	stained soil at truck loadout	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3831891
684900911	stained soil at ECD	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3831892
684900912	No safety placarding on pump	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3831893
684900913	No safety placarding on coolant container	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3831894