

**FORM  
INSP**Rev  
X/15**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:

07/25/2017

Submitted Date:

07/31/2017

Document Number:

681700672**FIELD INSPECTION FORM**Loc ID 451505 Inspector Name: Arauza, Steven On-Site Inspection ☐ 2A Doc Num: \_\_\_\_\_**Operator Information:**OGCC Operator Number: 52530Name of Operator: MAGPIE OPERATING, INCAddress: 2707 SOUTH COUNTY RD 11City: LOVELAND State: CO Zip: 80537**Status Summary:**☐ THIS IS A FOLLOW UP INSPECTION☒ FOLLOW UP INSPECTION REQUIRED☐ NO FOLLOW UP INSPECTION REQUIRED**Findings:**41 Number of Comments30 Number of Corrective Actions☒ Corrective Action Response Requested**Contact Information:**

Contact Name	Phone	Email	Comment
Warner, Ryan and James	(970) 669-6308	magpieoil@yahoo.com	
Young, Rob		rob.young@state.co.us	
		dnr_cogccengineering@state.co.us	
Leonard, Mike		mike.leonard@state.co.us	
Burn, Diana		diana.burn@state.co.us	
Sherman, Susan		susan.sherman@state.co.us	

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
451504	TANK BATTERY	AC	07/01/2000		-	Little Beaver Unit Tank Battery	AC

**General Comment:**

COGCC environmental inspection of Injection Plant and Tank Battery. Facility IDs #451505 and #451504 have been administratively created for Injection Plant and Tank Battery, respectively. See field inspection reports #673713633, #673713319, #673706779, and #673701019 under associated Little Beaver Unit #52 well (API #121-06183) for previous documented conditions at these facilities.

Conditions and corrective actions from 6/13/2016 Field Inspection Report (doc #673713319) remained unresolved as of the date of this inspection.

**Location**Overall Good: ☐

<b>Signs/Marker:</b>			
Type	TANK LABELS/PLACARDS		
Comment:	Adequate labels and placards at crude oil ASTs at SW corner of location and at produced water ASTs on north side of location.		
Corrective Action:		Date:	
Type	BATTERY		
Comment:	Battery sign reads 'LBDSU.' Emergency contact number OK. No sign to indicate which wells are producing to tank battery.		
Corrective Action:	Install sign to comply with Rule 210.b.	Date:	10/01/2017
Type	TANK LABELS/PLACARDS		
Comment:	Crude oil AST NW of VHT sheds lacks contents and volume labels. NFPA label needs to be replaced. See photos.		
Corrective Action:	Install sign to comply with Rule 210.d.	Date:	10/01/2017
Type	OTHER		
Comment:	Operator information is illegible at sign on south side of main injection building. See photos.		
Corrective Action:	Repair or replace sign.	Date:	10/01/2017

Emergency Contact Number:

Comment:

Corrective Action:

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

**Good Housekeeping:**

Type	STORAGE OF SUPL		
Comment:	Unused equipment: excavator, cement mixing tank, coil tubing, assorted vehicles stored on location.		
Corrective Action:	Comply with Rule 603.f using the Rule 603.f guidance document for further details.	Date:	11/01/2017
Type	UNUSED EQUIPMENT		
Comment:	Wooden poles, debris, well sign, gravel stockpile, and junk wire at south side of facility. See photos.		
Corrective Action:	Comply with Rule 603.f using the Rule 603.f guidance document for further details.	Date:	11/01/2017
Type	OTHER		
Comment:	Broken window on west side of main building allows wildlife access. One bird observed trapped inside of main building. See photos.		
Corrective Action:		Date:	
Type	DEBRIS		
Comment:	Assorted wooden debris and trash at SW crude oil tank battery, inside of VHT sheds, and south of diesel tank. See photos.		
Corrective Action:	Comply with Rule 603.f using the Rule 603.f guidance document for further details.	Date:	08/10/2017

Overall Good: ☐

<b>Spills:</b>			
Type	Area	Volume	
Crude Oil	Tank	<= 1 bbl	
Comment:	Localized, oil stained soil beneath produced water ASTs and associated valves on north side of location.		
Corrective Action:	Remove and properly dispose of oily waste, per Rule 907.e.		Date: 08/03/2017

Crude Oil	Truck Loadout	<= 1 bbl		
Comment: Accumulation of oily waste outside of containment at crude oil tank loadout (at SW side of facility). See photos.				
Corrective Action: Remove and properly dispose of oily waste, per Rule 907.e.			Date: 08/03/2017	
Crude Oil	Tank	<= 1 bbl		
Comment: Historical accumulation of oily waste on east side of horizontal crude oil AST (located NW of VHT sheds).				
Corrective Action: Remove and properly dispose of oily waste, per Rule 907.e.			Date: 08/03/2017	
Crude Oil	Flow Line	<= 1 bbl		
Comment: Localized oily waste behind injection facility sign on south side of main building (see photos).				
Corrective Action: Remove and properly dispose of oily waste, per Rule 907.e.			Date: 08/03/2017	
Produced Water	Truck Loadout	>= 5 bbls		
Comment: Vacuum truck located at NE corner of injection plant was dripping water on date of inspection. Operator was contacted to report leaking equipment. Impacted soil stretching from double doors on east side of injection plant to vacuum truck measured ~30'x10' on date of inspection and was previously documented in 6/13/2016 FIR #673713319. See photos.				
Corrective Action: Remove free fluids and contact COGCC EPS staff per Rule 906.b.			Date: 08/03/2017	
Crude Oil	Tank	<= 1 bbl		
Comment: Historical accumulations of oily waste beneath flowline risers and valves associated with crude oil ASTs. See photos.				
Corrective Action: Remove and properly dispose of oily waste, per Rule 907.e.			Date: 08/03/2017	
Crude Oil	Flow Line	<= 1 bbl		
Comment: Localized, oil-stained soil underlying flowline riser and 55-gallon drum south of vacuum truck. Operator had been previously instructed in 6/13/2016 FIR #673713319 to provide secondary containment device for 55-gallon drum. See photos.				
Corrective Action: Remove and properly dispose of oily waste, per Rule 907.e. Immediately install secondary containment device for 55-gallon drum.			Date: 08/03/2017	
PW/CO	Treater	<= 1 bbl		
Comment: Localized, oil-stained soil, water-saturated soil, and hydrocarbon odor located inside of both VHT sheds.				
Corrective Action: Remove and properly dispose of oily waste, per Rule 907.e.			Date: 08/03/2017	

In Containment: No

Comment: Additional localized oily-waste impacts at SW corner and on west side of main injection plant building. See photos. Remove and properly dispose of oily waste, per Rule 907.e. by 8/3/2017.

☒ Multiple Spills and Releases?

<b>Equipment:</b>			corrective date
Type: Flow Line	# 2		
Comment: NOT IN USE: Uncapped steel pipe risers at south VHT shed (one 2" inside of NW entrance, one 1" at SW corner). See photos.			
Corrective Action: Contact the Engineering Integrity section to discuss flowline abandonment requirements per Rule 1103. Along with the rule, the COGCC Operator Guidance, Rules 1101, 1102, and 1103: Flowline Guidance 1101 and 1102 guidance document can provide further details. Contact dnr_cogccengineering@state.co.us with resolution plan.		Date: 08/10/2017	
Type: Ancillary equipment	# 1		
Comment: Diesel storage container on east side of facility has adequate secondary containment.			
Corrective Action:		Date:	
Type: Flow Line	# 2		

Comment:	NOT IN USE: Two, 2" steel risers north of crude oil ASTs (one uncapped, one bullplugged). See photos.		
Corrective Action:	Contact the Engineering Integrity section to discuss flowline abandonment requirements per Rule 1103. Along with the rule, the COGCC Operator Guidance, Rules 1101, 1102, and 1103: Flowline Guidance 1101 and 1102 guidance document can provide further details. Contact dnr_cogccengineering@state.co.us with resolution plan.	Date:	08/10/2017
Type: Ancillary equipment	# 1		
Comment:	Chemical storage container at NE corner of injection plant plumbed to produced water ASTs with adequate secondary containment.		
Corrective Action:		Date:	
Type: Ancillary equipment	# 1		
Comment:	Flowline manifold south of VHT sheds with: one 2" flowline riser, one 1" flowline riser, one 2" flowline with valve daylights on south side of manifold. See photos.		
Corrective Action:	Contact the Engineering Integrity section to discuss flowline abandonment requirements per Rule 1103. Along with the rule, the COGCC Operator Guidance, Rules 1101, 1102, and 1103: Flowline Guidance 1101 and 1102 guidance document can provide further details. Contact dnr_cogccengineering@state.co.us with resolution plan.	Date:	08/10/2017
Type: Ancillary equipment	# 1		
Comment:	55 gallon drum inside of earthen VHT berms on E side of sheds.		
Corrective Action:		Date:	
Type: Flow Line	# 5		
Comment:	NOT IN USE: Five, uncapped steel pipes/flowline risers (two 2", one 1", one 4" loadout) and one 1" hose on east side of VHT sheds. Corroded 2" flowline section with 90-degree turn daylights inside of earthen berm just E of northern VHT shed.		
Corrective Action:	Contact the Engineering Integrity section to discuss flowline abandonment requirements per Rule 1103. Along with the rule, the COGCC Operator Guidance, Rules 1101, 1102, and 1103: Flowline Guidance 1101 and 1102 guidance document can provide further details. Contact dnr_cogccengineering@state.co.us with resolution plan.	Date:	08/10/2017
Type: Flow Line	# 3		
Comment:	NOT IN USE: Steel flowline risers (two 4", one 1") located on E and W sides of concrete pad, south of horizontal crude oil AST. See photos.		
Corrective Action:	Contact the Engineering Integrity section to discuss flowline abandonment requirements per Rule 1103. Along with the rule, the COGCC Operator Guidance, Rules 1101, 1102, and 1103: Flowline Guidance 1101 and 1102 guidance document can provide further details. Contact dnr_cogccengineering@state.co.us with resolution plan.	Date:	08/10/2017
Type: Bird Protectors	# 2		
Comment:	Bird protectors on VHTs.		
Corrective Action:		Date:	
Type: Flow Line	# 5		
Comment:	NOT IN USE: Five (5) capped, steel flowlines east of crude oil ASTs (two 2", two 1", one 0.5"). See photos.		
Corrective Action:	Contact the Engineering Integrity section to discuss flowline abandonment requirements per Rule 1103. Along with the rule, the COGCC Operator Guidance, Rules 1101, 1102, and 1103: Flowline Guidance 1101 and 1102 guidance document can provide further details. Contact dnr_cogccengineering@state.co.us with resolution plan.	Date:	08/10/2017
Type: Flow Line	# 2		
Comment:	NOT IN USE: 2" uncapped flowline riser and 4" uncapped pipe riser at NE corner of injection plant. See photos.		

Corrective Action:	Contact the Engineering Integrity section to discuss flowline abandonment requirements per Rule 1103. Along with the rule, the COGCC Operator Guidance, Rules 1101, 1102, and 1103: Flowline Guidance 1101 and 1102 guidance document can provide further details. Contact dnr_cogccengineering@state.co.us with resolution plan.		Date:	08/10/2017
Type: Flow Line	# 1			
Comment:	NOT IN USE: Steel, ~8-12" capped flowline riser south of crude oil ASTs. See photos.			
Corrective Action:			Date:	
Type: Vertical Heater Treater	# 2			
Comment:	Stained soil and HC odor observed at both treater sheds.			
Corrective Action:	Securely fasten all valves, pipes, and fittings to ensure good mechanical condition, inspect at regular intervals and maintain in good mechanical condition per Rule 605.d.		Date:	09/01/2017
Type: Flow Line	# 1			
Comment:	NOT IN USE: Steel, 90-degree flowline riser and valves daylight south of crude oil ASTs. See photos.			
Corrective Action:	Contact the Engineering Integrity section to discuss flowline abandonment requirements per Rule 1103. Along with the rule, the COGCC Operator Guidance, Rules 1101, 1102, and 1103: Flowline Guidance 1101 and 1102 guidance document can provide further details. Contact dnr_cogccengineering@state.co.us with resolution plan.		Date:	08/10/2017
Type: Flow Line	# 1			
Comment:	NOT IN USE: Destroyed 4" flowline valve plumbed to exposed flowline on south side of main building, behind sign. See photos.			
Corrective Action:	Contact the Engineering Integrity section to discuss flowline abandonment requirements per Rule 1103. Along with the rule, the COGCC Operator Guidance, Rules 1101, 1102, and 1103: Flowline Guidance 1101 and 1102 guidance document can provide further details. Contact dnr_cogccengineering@state.co.us with resolution plan.		Date:	08/10/2017

**Tanks and Berms:**

Contents	#	Capacity	Type	Tank ID	SE GPS
CRUDE OIL	1	OTHER	STEEL AST		39.911912,-103.686032
Comment:	Horizontal, steel AST NW of vertical VHT sheds.				
Corrective Action:					Date:

**Paint**

Condition	
Other (Content)	
Other (Capacity)	unknown
Other (Type)	

**Berms**

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Earth	Adequate	Walls Sufficient			
Comment:	Earthen berms shared with VHT sheds.				
Corrective Action:				Date:	
Contents	#	Capacity	Type	Tank ID	SE GPS
CRUDE OIL	2	400 BBLS	STEEL AST		39.911784,-103.686464
Comment:	Operator was contacted on 7/25/2017 regarding fluid drip observed from red valve at southern crude oil AST.				
Corrective Action:	Securely fasten all valves, pipes, and fittings to ensure good mechanical condition, inspect at regular intervals and maintain in good mechanical condition per Rule 605.d.				Date:
					09/01/2017

Paint

Condition	Adequate	
Other (Content)		
Other (Capacity)		
Other (Type)		

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Earth	Adequate	Walls Sufficient		Inadequate	
Comment:	Berm eroded and burrows observed in berm walls. See photos.				
Corrective Action:	Repair or install berms or other secondary containment devices per Rule 605.a.(4).			Date: 09/01/2017	
Contents	#	Capacity	Type	Tank ID	SE GPS
PRODUCED WATER	3	400 BBLs	STEEL AST		39.912127,-103.686173
Comment:	Pool of water at NE corner of earthen berm with hose leading outside of containment.				
Corrective Action:	Contact EPS to verify whether or not this was a reportable release.			Date: 08/10/2017	

Paint

Condition		
Other (Content)		
Other (Capacity)		
Other (Type)		

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth	Adequate	Walls Insufficient		Inadequate
Comment:	Earthen berms around produced water ASTs eroded and damaged by burrows. See photos. Maintenance required.			
Corrective Action:	Repair or install berms or other secondary containment devices per Rule 605.a.(4).			Date: 09/01/2017

Venting:

Yes/No		
Comment:		
Corrective Action:		Date:

Flaring:

Type	
Comment:	
Corrective Action:	Date:



**Environmental****Spills/Releases:**

Type of Spill: OTHER E&amp;P WASTE

Estimated Spill Volume: \_\_\_\_\_

Comment: Historical accumulation of E&amp;P waste and unused equipment, junk, trash, &amp; debris inside of building on east side of location (north of VHT sheds). See photos.

Corrective Action: Submit an eForm 27 Site Investigation and Remediation workplan for remediation of environmental impacts.

Date: 08/31/2017

Reportable: \_\_\_\_\_

GPS: Lat 39.911996

Long -103.685980

Proximity to Surface Water: \_\_\_\_\_

Depth to Ground Water: \_\_\_\_\_

**Water Well Complaint:**

Lat \_\_\_\_\_ Long \_\_\_\_\_

DWR Receipt Num: \_\_\_\_\_

Owner Name: \_\_\_\_\_

GPS : \_\_\_\_\_

**Field Parameters:**

Sample Location: \_\_\_\_\_

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

**Spill/Remediation:**

Comment: Active spill record from 2014 (Spill Facility ID #439500) in COGCC database. Initial Spill Report (doc #400718996) approved with COA to provide soil disposal manifests, topo map, and spill closure request with Supplemental Spill Report. No record that supplemental report was received.

Corrective Action: Immediately contact COGCC Area EPS Rob Young with spill update.

Date: 08/10/2017

Emission Control Burner (ECB): \_\_\_\_\_

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

Pilot: \_\_\_\_\_ Wildlife Protection Devices (fired vessels): \_\_\_\_\_

**COGCC Comments**

Comment	User	Date
<p>Main Injection Building: Localized oil stains and large produced water puddle in center of building likely caused by leaking equipment. This condition had been previously documented in field photos attached to 6/13/2016 Field Inspection Report #673713319.</p> <p>Recover free liquids and properly dispose in accordance with 907.c. by 8/3/2017.</p> <p>Contact COGCC Engineering unit to discuss integrity concerns no later than 8/10/2017.</p> <p>Securely fasten all valves, pipes, and fittings to ensure good mechanical condition, inspect at regular intervals and maintain in good mechanical condition per Rule 605.d. no later than 9/1/2017</p>	arauzas	07/31/2017

**Attached Documents**You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
681700673	Field Photos	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4212511">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4212511</a>