

**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:

08/20/2020

Submitted Date:

08/21/2020

Document Number:

693902167**FIELD INSPECTION FORM**Loc ID 312068 Inspector Name: ROY, CATHERINE On-Site Inspection ☐ 2A Doc Num: _____**Operator Information:**OGCC Operator Number: 10679Name of Operator: LOGOS OPERATING LLCAddress: 2010 AFTON PLACECity: FARMINGTON State: NM Zip: 87415**Status Summary:**

- ☒ THIS IS A FOLLOW UP INSPECTION
- ☒ FOLLOW UP INSPECTION REQUIRED
- ☐ NO FOLLOW UP INSPECTION REQUIRED

Findings:5 Number of Comments2 Number of Corrective Actions☒ Corrective Action Response Requested**ANY CORRECTIVE ACTION(S) FROM
PREVIOUS INSPECTIONS THAT HAVE NOT
BEEN ADDRESSED ARE STILL APPLICABLE****Contact Information:**

Contact Name	Phone	Email	Comment
Sessions, Tamra		tsessions@logosresourcesllc.com	All Inspections
Rowley, Darren		drowley@logosresourcesllc.com	All inspections

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
216555	WELL	PR	07/01/2019	GW	067-08161	BONDAD 33-9 13A	RI

General Comment:

This is an interim reclamation and stormwater inspection. Location is shared between BP America and Logos Operating. It is the responsibility of both operators to coordinate and ensure compliance with reclamation regulations. Operator submitted FIR Resolution Form documents operator's response to corrective actions identified during a 2018 reclamation inspection. During this inspection the following compliance issues were observed:

-Long-term stormwater and erosion controls need to be installed to stabilize the well pad cut and fill-slopes, and reduce sedimentation, by 9/30/2020.

-Weeds need to be controlled by 9/30/2020. Subsequent treatments are needed.

See below, and attached photos for additional detail.

Reclamation - Storm Water - Pit**Interim Reclamation:**

Date Interim Reclamation Started: _____ Date Interim Reclamation Completed: _____

Land Use: _____

Comment: _____

1002 SITE PREPARATION AND STABILIZATION

1002a. FENCING _____

Comment _____

Corrective Action _____

Date _____

1002b. SOIL REMOVAL AND
SEGREGATION _____

Comment _____

Corrective Action _____

Date _____

1002c. PROTECTION OF SOILS _____

Comment _____

Corrective Action _____

Date _____

1002E. SURFACE DISTURBANCE MINIMIZATION _____

Comment _____

Corrective Action _____

Date _____

1003a. Waste and Debris removed? Pass

Comment _____

Corrective Action _____

Date _____

Unused or unneeded equipment onsite? Pass

Comment _____

Corrective Action _____

Date _____

Pit, cellars, rat holes and other bores closed? _____

Comment _____

Corrective Action _____

Date _____

Guy line anchors marked? _____

Comment _____

Corrective Action _____

Date _____

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

1003c. Compacted areas have been cross ripped? _____

1003d. Drilling pit closed? _____ 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 REVEGETATIONCropland

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

Non-Cropland

Top soil replaced _____ Recontoured _____ 80% Revegetation _____

1003e. INTERIM VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% _____

TRANSECT RESULTS OF REFERENCE AREA% _____

TOTAL % OF DESIRABLE VEGETATION COVER _____

VEGETATIVE COVER _____

1003 f. Weeds Noxious weeds? _____ F _____

Comment

Approximately 2000 Russian knapweeds, 300 Canada and Scotch thistles, and tamarisk observed within the project area. Poor revegetation on the well pad cut and fill slopes. See Corrective action under "Stormwater" for erosion controls.

Corrective Action

Weeds need to be controlled. Continued and subsequent monitoring and treatment are needed until weed infestations are controlled. This is the second corrective action for weeds at this location.

Date **09/30/2020**Overall Interim Reclamation **Fail****Final Reclamation/ Abandoned Location:**

Date Final Reclamation Started: _____ Date Final Reclamation Completed: _____

Final Land Use: _____

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 _____

1004.d. FINAL VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% _____

TRANSECT RESULTS OF REFERENCE AREA% _____

TOTAL % OF DESIRABLE VEGETATION COVER _____

VEGETATIVE COVER _____

Comment: _____

Corrective Action:						Date	
Overall Final Reclamation		Well Release on Active Location <input type="checkbox"/>		Multi-Well Location <input type="checkbox"/>			
Storm Water:							
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment	
Comment:		<div style="border: 1px solid black; padding: 5px;"> <p>Diversion ditch along the western fill and eastern cut-slopes are full of sediment. Stormwater flows are tunneling through the western berm resulting in erosional gulying on the slope. Little desirable vegetation is present on the slopes.</p> </div>					Date: 09/30/2020
Corrective Action:		<div style="border: 1px solid black; padding: 5px;"> <p>Stormwater and erosion controls installed in response to 2018 reclamation inspection are not adequate. Long-term stormwater controls and erosion controls including slope stabilization measures, need to be installed to stabilize erosion within the project area. Stormwater and erosion controls need to be selected, sized, installed, and maintained according to good engineering practices. Erosion controls need to be maintained in place until bare soils on slopes are stabilized with desirable perennial vegetation. As response to 2018 corrective action is noted, a new corrective action date is assigned. This is the second corrective action for stormwater erosion at this location.</p> </div>					
Pits: <input checked="" type="checkbox"/> 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
693902168	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5230196