

**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:

12/15/2017

Submitted Date:

12/16/2017

Document Number:

688300820

**FIELD INSPECTION FORM**

Loc ID 451389 Inspector Name: Sherman, Susan On-Site Inspection  2A Doc Num: \_\_\_\_\_

**Status Summary:**

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

**Operator Information:**

OGCC Operator Number: 10646  
Name of Operator: BISON EXPLORATION LLC  
Address: PO BOX 1168  
City: DENVER State: CO Zip: 80202

**Findings:**

- 20 Number of Comments
- 4 Number of Corrective Actions
- Corrective Action Response Requested

**Contact Information:**

Contact Name	Phone	Email	Comment
Extraction Oil & Gas		COGCCInspections@extracti onog.com	
Leonard, Mike		mike.leonard@state.co.us	COGCC QA
Rickard, Jeff	720-557-08310	jrickard@extractionog.com	

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
451382	WELL	DG	10/15/2017		005-07279	Houlihan 4-64 22A 21-1	WO

**General Comment:**

[Flowback Inspection/Tank battery construction](#)

<b>Location</b>						
Overall Good: <input checked="" type="checkbox"/>						
<b>Signs/Marker:</b>						
Type	TANK LABELS/PLACARDS					
Comment:	Flowback-1 of 2 produced water frac tanks is labeled (1/1/0), open top tank not labeled, and 2 crude oil frac tanks are not labeled. Tank battery-produced water ASTs and crude oil tanks are labeled the same (2/4/0).					
Corrective Action:	Install sign to comply with Rule 210.d.				Date:	01/19/2018
<b>Emergency Contact Number:</b>						
Comment:	720-370-5540					
Corrective Action:					Date:	
<b>Good Housekeeping:</b>						
Type	OTHER					
Comment:	Fire extinguisher/watch not in place during welding operations at tank battery construction for 4 separate crews. Inspector talked with onsite subcontractor who asked all crews to get extinguishers out right away. Check proximity of worker trailer to combustor.					
Corrective Action:	Implement actions to fully comply with Rule 606A regarding fire prevention and protection.				Date:	12/17/2017
Type	TRASH					
Comment:	Trash observed on location and off location to the south.					
Corrective Action:	Comply with Rule 603.f .				Date:	01/19/2018
Type	OTHER					
Comment:	Stained soil east of flowback tanks (see attached photo).					
Corrective Action:	Non E&P Waste not properly stored, handled, transported, treated, or disposed per Rule 907A. Contact COGCC EPS staff.				Date:	12/18/2017
Overall Good: <input type="checkbox"/>						
<b>Spills:</b>						
Type	Area	Volume				
In Containment: No						
Comment: <input style="width: 100%;" type="text"/>						
<input type="checkbox"/> Multiple Spills and Releases?						
<b>Equipment:</b>						
					corrective date	
Type: Emission Control Device	# 3					
Comment:	Large combustor is on. Two smaller combustors are not connected.					
Corrective Action:					Date:	
<b>Tanks and Berms:</b>						
Contents	#	Capacity	Type	Tank ID	SE GPS	
Comment:	tank battery construction is in process					
Corrective Action:					Date:	

**Paint**

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

**Berms**

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Comment:				
Corrective Action:				Date:

Contents	#	Capacity	Type	Tank ID	SE GPS
OTHER	1	500 BBLs	Open Top		,
Comment: mixed crude oil and produced water					
Corrective Action:					Date:

**Paint**

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

**Berms**

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Comment: in berms with produced water frac tanks				
Corrective Action:				Date:

Contents	#	Capacity	Type	Tank ID	SE GPS
PRODUCED WATER	2	500 BBLs	OTHER		,
Comment: frac tanks					
Corrective Action:					Date:

**Paint**

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

**Berms**

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Other	Adequate	Walls Sufficient	Base Sufficient	Adequate
Comment: plastic jersey barriers wrapped in plastic liner				
Corrective Action:				Date:

Contents	#	Capacity	Type	Tank ID	SE GPS
CRUDE OIL	2	500 BBLs	OTHER		,

Comment: frac tanks			
Corrective Action:		Date:	

**Paint**

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

**Berms**

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Other	Adequate	Walls Sufficent	Base Sufficent	Adequate
Comment: plastic jersey barriers wrapped in a plastic liner				
Corrective Action:		Date:		

**Venting:**

Yes/No	YES		
Comment:			
Corrective Action:		Date:	

**Flaring:**

Type		
Comment:		
Corrective Action:		Date:

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**Location Construction**

Location ID: 451382 CDP: \_\_\_\_\_

Comment:

Corrective Action:  Date: \_\_\_\_\_

**Form 2A COAs:**

**Comment:** 32' sound wall on south and east sides of location

Corrective Action:  Date: \_\_\_\_\_

**Wildlife BMPs:**

**Comment:**

Corrective Action:  Date: \_\_\_\_\_

**Comment:**

**Corrective Action:**  Date: \_\_\_\_\_

**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:

**Inspected Facilities**

Facility ID: 451382 Type: WELL API Number: 005-07279 Status: DG Insp. Status: WO

**BradenHead**

Comment: Bradenhead is not plumbed to surface.  
Casing 158 psi  
Tubing 400 psi  
Flowline 26 psi

Corrective Action:

Date:

**Completion**

Operation: Flowback

Date Flowback: 11/28/2017

Contractor: RPS

Comment:

Corrective Action:

Date:

**Reclamation - Storm Water - Pit**

**Interim Reclamation:**

Date Interim Reclamation Started: \_\_\_\_\_ Date Interim Reclamation Completed: \_\_\_\_\_

Land Use: DRY LAND

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? \_\_\_\_\_

Comment

Corrective Action

Date \_\_\_\_\_

Unused or unneeded equipment onsite? \_\_\_\_\_

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 REVEGETATION

Cropland

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? \_\_\_\_\_

Comment

Corrective Action

Date \_\_\_\_\_

Overall Interim Reclamation

**Final Reclamation/ Abandoned Location:**

Date Final Reclamation Started: \_\_\_\_\_ Date Final Reclamation Completed: \_\_\_\_\_

Final Land Use: DRY LAND \_\_\_\_\_

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  Multi-Well Location

<b>Storm Water:</b>						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
				Material Handling And Spill Prevention	Pass	
Comment: <input type="text" value="Flowback tanks are in containment."/>						Date: _____
Corrective Action: <input type="text"/>						
<b>Pits:</b> <input checked="" type="checkbox"/> NO SURFACE INDICATION OF PIT						

COGCC Comments		
Comment	User	Date
On 12/15/2017 discussed corrective actions with Extraction representative who was at the Bison/Bison well location.	ShermaSe	12/16/2017

**Attached Documents**

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

Document Num	Description	URL
688300838	Bison Houlihan Flowback/TB Construction	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4328175">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4328175</a>