

**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
Rickard, Jeff	720-557-08310	jrickard@extractionog.com	
Leonard, Mike		mike.leonard@state.co.us	COGCC QA
Extraction Oil & Gas		COGCCInspections@extracti onog.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](#)

Location

Overall Good:

Signs/Marker:

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

Emergency Contact Number:

Comment:	720-370-5540	Date:	
Corrective Action:		Date:	

Good Housekeeping:

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	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
Type	TRASH		
Comment:	Trash observed on location and off location to the south.		
Corrective Action:	Comply with Rule 603.f .	Date:	01/19/2018

Overall Good:

Spills:

Type	Area	Volume		

In Containment: No

Comment:

Multiple Spills and Releases?

Equipment:

Type: Emission Control Device	# 3		corrective date
Comment:	Large combustor is on. Two smaller combustors are not connected.		
Corrective Action:		Date:	

Tanks and Berms:

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 Sufficient	Base Sufficient	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

Storm Water:						
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."/>						
Corrective Action: <input type="text"/>					Date: _____	
Pits: <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
401488651	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4328179
688300838	Bison Houlihan Flowback/TB Construction	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4328175