

**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:

01/26/2018

Submitted Date:

01/29/2018

Document Number:

688301111

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:

- 21 Number of Comments
- 3 Number of Corrective Actions
- Corrective Action Response Requested

Contact Information:

Contact Name	Phone	Email	Comment
Rickard, Jeff	720-557-08310	jrickard@extractionog.com	
Extraction		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	PR

General Comment:

[First Production/Equipment Inspection](#)

Location

Overall Good:

Signs/Marker:		
Type	OTHER	
Comment:	location sign on Manila Rd, no AIRS numbers on applicable equipment	
Corrective Action:		Date:
Type	CONTAINERS	
Comment:	Chemical container at wellhead and concrete vaults at tank battery are not labeled.	
Corrective Action:	Install sign to comply with Rule 210.d.	Date: 02/02/2018
Type	TANK LABELS/PLACARDS	
Comment:	Inspector contacted operator and requested that NFPA tank placards be verified for crude oil. Also check produced water.	
Corrective Action:	Install sign to comply with Rule 210.d.	Date: 03/02/2018

Emergency Contact Number:

Comment:

Corrective Action: Date: _____

Overall Good:

Spills:				
Type	Area	Volume		

In Containment: No

Comment:

Multiple Spills and Releases?

Equipment:			corrective date
Type: Other	# 1		
Comment:	generator		
Corrective Action:			Date:
Type: Compressor	# 1		
Comment:	in process		
Corrective Action:			Date:
Type: VRT	# 1		
Comment:			
Corrective Action:			Date:
Type: Emission Control Device	# 5		
Comment:			
Corrective Action:			Date:
Type: FWKO	# 1		
Comment:			
Corrective Action:			Date:
Type: Horizontal Heated Separator	# 1		

Comment: inside metal berms with FWKO and separators at GPS 39.69101, -104.53028		Date:
Corrective Action:		Date:
Type: Ancillary equipment	# 1	
Comment: flameless heater		
Corrective Action:		Date:
Type: Vertical Separator	# 2	
Comment:		
Corrective Action:		Date:
Type: Flow Line	# 1	
Comment: excavation/trench at GPS 39.69084, -104.53065		
Corrective Action:		Date:
Type: Gas Meter Run	# 1	
Comment: shed at GPS 39.69127, -104.53048		
Corrective Action:		Date:

Tanks and Berms:

Contents	#	Capacity	Type	Tank ID	SE GPS
CRUDE OIL	1	400 BBLs	STEEL AST		39.690670,-104.531750
Comment:					
Corrective Action:					Date:

Paint

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

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate	Walls Sufficient	Base Insufficient	Adequate
Comment: No liner under maintenance tank. Gravel is present.				
Corrective Action: Repair or install berms or other secondary containment devices per Rule 906.d.(1).				Date: 03/02/2018

Contents	#	Capacity	Type	Tank ID	SE GPS
PRODUCED WATER	2	400 BBLs	HEATED STEEL AST		
Comment: 2 Enardos					
Corrective Action:					Date:

Paint

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

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Comment: same berms as the 8 crude oil tanks					
Corrective Action:					Date:
Contents	#	Capacity	Type	Tank ID	SE GPS
CONDENSATE	3	OTHER	BV CONCRETE		,
Comment:					
Corrective Action:					Date:
Paint					
Condition					
Other (Content)					
Other (Capacity)					
Other (Type)					
Berms					
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Comment: Two vaults are in same berms as produced water and crude oil tanks. One vault is to the north of the tank battery.					
Corrective Action:					Date:
Contents	#	Capacity	Type	Tank ID	SE GPS
CRUDE OIL	8	400 BBLs	STEEL AST		39.691090,-104.531030
Comment: solar panel for cathodic protection, 8 Enardos					
Corrective Action:					Date:
Paint					
Condition	Adequate				
Other (Content)					
Other (Capacity)					
Other (Type)					
Berms					
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate	
Comment: fiberglass liner, gravel					
Corrective Action:					Date:
Venting:					
Yes/No	YES				
Comment: all 5 ECDs were venting					
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:

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: PR

Producing Well

Comment: PR. Well at GPS 39.69043, -104.53123. Circuit Trucking transport truck with 1297 label.

Corrective Action:

Date:

BradenHead

Comment: Bradenhead not plumbed to surface.

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 Pass

Comment

Corrective Action

Date _____

1002c. PROTECTION OF SOILS Pass

Comment

Corrective Action

Date _____

1002E. SURFACE DISTURBANCE MINIMIZATION _____

Comment

Corrective Action

Date _____

1003a. Waste and Debris removed? In

Comment

Corrective Action

Date _____

Unused or unneeded equipment onsite? _____

Comment

Corrective Action

Date _____

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

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
Gravel	Pass	Gravel	Pass			
Retention Ponds	Pass					
Mulching	Pass					
Ditches	Pass	Ditches	Pass			
Compaction	Pass	Compaction	Pass			
Silt Fences	Pass	Rip Rap	Pass			
Berms	Pass					
Seeding	Pass					

Comment:

Corrective Action:

Date: _____

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
401529522	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4364054
688301115	Extraction Houlihan 4-64 22A 21-1	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4364052