

**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: _____

Operator Information:OGCC Operator Number: 10646Name of Operator: BISON EXPLORATION LLCAddress: PO BOX 1168City: DENVER State: CO Zip: 80202**Status Summary:**☐ THIS IS A FOLLOW UP INSPECTION☒ FOLLOW UP INSPECTION REQUIRED☐ NO FOLLOW UP INSPECTION REQUIRED**Findings:**21 Number of Comments3 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

LocationOverall 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		Date:	
Corrective Action:				Date:	
Type: Vertical Separator	# 2				
Comment:				Date:	
Corrective Action:				Date:	
Type: Flow Line	# 1				
Comment:		excavation/trench at GPS 39.69084, -104.53065		Date:	
Corrective Action:				Date:	
Type: Gas Meter Run	# 1				
Comment:		shed at GPS 39.69127, -104.53048		Date:	
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:	
--------------------	--	-------	--

Location Construction

Location ID: 451382 CDP: _____

Comment: _____

Corrective Action: _____

Date: _____

Form 2A COAs:**Comment:** Sound walls removed.

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: winter wheat**1002 SITE PREPARATION AND STABILIZATION**

1002a. FENCING _____

Comment _____

Corrective Action _____

Date _____

1002b. SOIL REMOVAL AND
SEGREGATIONPass

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 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? _____

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