

**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:

08/18/2017

Submitted Date:

08/18/2017

Document Number:

688300026**FIELD INSPECTION FORM**
 Loc ID 316934 Inspector Name: Sherman, Susan On-Site Inspection ☐ 2A Doc Num: _____
Operator Information:OGCC Operator Number: 10330Name of Operator: INVESTMENT EQUIPMENT LLCAddress: 412 W PLATTE AVECity: FT MORGAN State: CO Zip: 80701**Status Summary:**

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

Findings:18 Number of Comments3 Number of Corrective Actions☒ Corrective Action Response Requested**Contact Information:**

Contact Name	Phone	Email	Comment
Highberger, Kathryn	(970) 867-9007	dkama@kci.net	Designated Agent
Pagano, Ted	(970) 590-3944	theodorepagano@yahoo.com	Agent
Young, Rob		rob.young@state.co.us	COGCC EPS
Rebol, David	(970) 867-9007	daverebol@hotmail.com	Principal Agent

General Comment:

LocationOverall Good: ☒

Signs/Marker:			
Type	CONTAINERS		
Comment:			
Corrective Action:		Date:	
Type	TANK LABELS/PLACARDS		
Comment:			
Corrective Action:		Date:	
Type	BATTERY		
Comment:			
Corrective Action:		Date:	
Type	WELLHEAD		
Comment:			
Corrective Action:		Date:	

Emergency Contact Number:

Comment: 970-867-9007

Corrective Action:

Date: _____

Overall Good: ☐

Spills:			
Type	Area	Volume	
Produced Water	Tank	>= 5 bbls	
Comment:	Inspector arrived at tank battery to find 400 BBL produced water tank overflowing. Pumper was contacted immediately. A pumper arrived to SI wells and stop water flowing from tank. Immediately stop spill (completed), cleanup free fluids within 24 hours (vac truck was removing produced water on 8/18/2017), and 30-days to remove stained soil. Remove oil stained soils from area south of 400 bbl produced water tank and oil stained soil ring on west side of west pit (see attached photos). Clean oil off the outside of the tank that spilled over.		
Corrective Action:	Control and contain spills/releases and clean up per Rule 906.a. Contact COGCC EPS staff.		Date: 09/20/2017

In Containment: Yes

Comment:

☐ Multiple Spills and Releases?

Fencing/:			
Type	PUMP JACK		
Comment:	wire mesh		
Corrective Action:		Date:	

Equipment:			corrective date
Type: Pump Jack	# 1		
Comment:			
Corrective Action:		Date:	

Type: Prime Mover	# 1	
Comment:	electric motor, REA poles	
Corrective Action:		Date:
Type: Vertical Heater Treater	# 1	
Comment:	propane	
Corrective Action:		Date:
Type: Bird Protectors	# 1	
Comment:		
Corrective Action:		Date:
Type: Deadman # & Marked	# 4	
Comment:		
Corrective Action:		Date:

Tanks and Berms:

Contents	#	Capacity	Type	Tank ID	SE GPS
PRODUCED WATER	1	400 BBLs	STEEL AST		
Comment:	This tank overflowed.				
Corrective Action:					Date:

Paint

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

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Comment:	Same berms as fiberglass produced water tank.			
Corrective Action:				Date:

Contents	#	Capacity	Type	Tank ID	SE GPS
PRODUCED WATER	1	300 BBLs	FIBERGLASS AST		39.751270,-103.273280
Comment:					
Corrective Action:					Date:

Paint

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

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth	Inadequate	Walls Insufficient	Base Sufficient	Inadequate

Comment:		Berms around produced water tanks was not sufficient to hold the largest tank volume. North berm was breached and ran into crude oil tank containment.					
Corrective Action:		Repair or install berms or other secondary containment devices per Rule 906.d.(1).				Date: 09/20/2017	

Contents	#	Capacity	Type	Tank ID	SE GPS	
CRUDE OIL	2	500 BBLS	STEEL AST		39.751430,-103.273430	

Comment:		bolted tanks					
Corrective Action:						Date:	

Paint

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

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Earth	Adequate	Walls Sufficient	Base Sufficient	Adequate	

Comment:		Some produced water did seep into the ground inside the crude oil tank battery berm area. Stained soil will be removed.					
Corrective Action:						Date:	

Venting:

Yes/No						
Comment:						
Corrective Action:					Date:	

Flaring:

Type					
Comment:					
Corrective Action:					Date:

Location Construction

Location ID: 233291 CDP: _____

Comment: _____

Corrective Action: _____

Date: _____

Form 2A COAs:

Comment: No COAs.

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:

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

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

Land Use: _____

Comment: dryland**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 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: _____

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
Compaction	Pass	Compaction	Pass	Material Handling And Spill Prevention	Pass	
Gravel	Pass	Gravel	Pass			

Comment: _____

Corrective Action: _____

Date: _____

Pits: ☐ NO SURFACE INDICATION OF PITType: Produced WaterLined: NO

Pit ID: _____

Lat: 39.751250Long: -103.272930Reference Point: SE

Other: _____

Length: _____

Width: _____

Lining:

Liner Type: _____

Liner Condition: _____

Comment: _____

Corrective Action: _____

Date: c**Fencing:**Fencing Type: None

Fencing Condition: _____

Comment: _____

Corrective Action: _____

Date: _____

Netting:

Netting Type: _____

Netting Condition: _____

Comment: _____

Corrective Action: _____

Date: _____

Anchor Trench Present: _____

Oil Accumulation: YES2+ feet Freeboard: YESComment: See Spill section for corrective action.

Corrective Action: _____

Date: _____

Type: Produced WaterLined: NO

Pit ID: _____

Lat: 39.272390Long: -103.272450Reference Point: SE

Other: _____

Length: _____

Width: _____

Lining:

Liner Type: _____

Liner Condition: _____

Comment: _____

Corrective Action: _____

Date: c**Fencing:**Fencing Type: None

Fencing Condition: _____

Comment: _____

Corrective Action: _____

Date: _____

Netting:

Netting Type: _____

Netting Condition: _____

Comment:		Date:
Corrective Action		
Anchor Trench Present: Oil Accumulation: <u>NO</u> 2+ feet Freeboard: <u>YES</u>		
Comment:	East side of east pit is eroding where it was previously repaired, GPS 39.75129, -103.27239 (see attached photo). Badger holes on south side of east pit where berms previously failed (see attached photos).	
Corrective Action	Repair or install berms or other secondary containment devices per Rule 906.d.(1).	Date: <u>09/20/2017</u>

Attached Documents

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

Document Num	Description	URL
401381206	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4232308
688300035	Investment Equipment Colorado State 1 Spill	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4232304