

FORM
INSPRev
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:

03/01/2018

Submitted Date:

03/12/2018

Document Number:

685304453

FIELD INSPECTION FORM

Loc ID: 334422 Inspector Name: St John, William (Cal) 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: 10663
 Name of Operator: ENDURING RESOURCES LLC
 Address: 511 16TH STREET #700
 City: DENVER State: CO Zip: 80202

Findings:

27 Number of Comments
 0 Number of Corrective Actions
 Corrective Action Response Requested

Contact Information:

Contact Name	Phone	Email	Comment
McDaniel, James	505-444-3004	jmcdaniel@enduringresources.com	SW Inspection Reports
Pohl, April	505-636-9722	apohl@enduringresources.com	SW Inspection Reports

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
259125	WELL	PR	05/27/2001	GW	067-08400	STATE 36-5	PR
293811	WELL	SI	12/01/2017	DSPW	067-09452	STATE 36-6	SI

General Comment:

Inspection completed as routine inspection with requested witness of well injection high pressure shut down test.
 Inspection on State 36-6 injection well is location and surface equipment only.
 This inspection does not alleviate requirement to complete any open corrective actions from previous inspections.
 See link at end of report for path to downloadable pictures.

Location			
Lease Road:			
Type	Access		
comment:	Dirt and gravel access road.		
Corrective Action:			Date:
Overall Good: <input type="checkbox"/>			
Signs/Marker:			
Type	CONTAINERS		
Comment:	Labels directly on container.		
Corrective Action:			Date:
Type	TANK LABELS/PLACARDS		
Comment:	Labels directly on tank.		
Corrective Action:			Date:
Type	WELLHEAD		
Comment:	Framed metal sign located at wellhead.		
Corrective Action:			Date:
Emergency Contact Number:			
Comment:	Operator contact information posted on wellhead sign.		
Corrective Action:			Date: _____
Overall Good: <input type="checkbox"/>			
Spills:			
Type	Area	Volume	
In Containment: No			
Comment:			
<input type="checkbox"/> Multiple Spills and Releases?			
Fencing/:			
Type	SEPARATOR		
Comment:	Stock panel fencing. Includes gas meter run.		
Corrective Action:			Date:
Type	PUMP JACK		
Comment:	Steel safety rails.		
Corrective Action:			Date:
Type	TANK BATTERY		
Comment:	Stock panel fencing.		
Corrective Action:			Date:
Equipment:			
Type: Ancillary equipment	# 1		corrective date
Comment:	Lube oil tank on spill prevention.		
Corrective Action:			Date:

Type: Pump Jack	# 1		
Comment:			
Corrective Action:			Date:
Type: Flow Line	# 4		
Comment:	<p>36-5 In use - 3" steel line from wellhead casing and tubing to separator inlet. All points co-located. In use - 2" steel line from wellhead casing and tubing to separator inlet. All points co-located. In use - 3" steel line from separator outlet to gas meter run inlet. All points co-located. In use - 1" steel supply gas line from separator outlet to wellhead. All points co-located.</p>		
Corrective Action:			Date:
Type: Other	# 1		
Comment:	Steel wellhead building at 36-6.		
Corrective Action:			Date:
Type: Ancillary equipment	# 2		
Comment:	Wellhead.		
Corrective Action:			Date:
Type: Flow Line	# 2		
Comment:	<p>36-6 In use - 3" steel line from injection pump to wellhead tubing. Off location line for water injection. In use - 1" steel supply gas line from separator outlet to wellhead. All points co-located.</p>		
Corrective Action:			Date:
Type: Ancillary equipment	# 2		
Comment:	Telemetry equipment.		
Corrective Action:			Date:
Type: Deadman # & Marked	# 4		
Comment:	Located (4) marked anchors.		
Corrective Action:			Date:
Type: Prime Mover	# 1		
Comment:	Natural gas motor.		
Corrective Action:			Date:
Type: Bird Protectors	# 1		
Comment:	Separator.		
Corrective Action:			Date:
Type: Gas Meter Run	# 1		
Comment:			
Corrective Action:			Date:
Type: Vertical Heated Separator	# 1		
Comment:			
Corrective Action:			Date:

Tanks and Berms:

Contents	#	Capacity	Type	Tank ID	SE GPS

PRODUCED WATER	1	OTHER	PBV STEEL		
Comment:		Partially buried steel tank with earthen berms.			
Corrective Action:					Date:
Paint					
Condition	Adequate				
Other (Content)					
Other (Capacity)	95 BBLS				
Other (Type)					
Berms					
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Earth	Adequate	Walls Sufficient	Base Sufficient	Adequate	
Comment:					
Corrective Action:					Date:
Venting:					
Yes/No	NO				
Comment:					
Corrective Action:					Date:
Flaring:					
Type					
Comment:					
Corrective Action:					Date:

Inspected Facilities

Facility ID: 259125 Type: WELL API Number: 067-08400 Status: PR Insp. Status: PR

Producing Well

Comment: PR - Review of electronic well file indicates last reported production as Dec 2107.

Corrective Action:

Date:

Facility ID: 293811 Type: WELL API Number: 067-09452 Status: SI Insp. Status: SI

Idle Well

Purpose: Shut In Temporarily Abandoned Reminder: _____

Comment: SI - Review of electronic well file indicates well reported as SI in Dec 2017.

Corrective Action:

Date: _____

Reclamation - Storm Water - Pit

Interim Reclamation:

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

Land Use: _____

Comment: Revegetation of interim reclamation area is progressing with established grasses.

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? Pass

Comment _____

Corrective Action _____

Date _____

Unused or unneeded equipment onsite? Pass

Comment _____

Corrective Action _____

Date _____

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

Comment _____

Corrective Action _____

Date _____

Guy line anchors marked? Pass

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: _____

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
Sediment Traps	Pass					
Retention Ponds	Pass					
Ditches	Pass					
Compaction	Pass	Gravel	Pass			
Berms	Pass	Compaction	Pass	Material Handling And Spill Prevention	Pass	Lube oil tnk on spill prevention.
Rip Rap	Pass					
Check Dams	Pass	Ditches	Pass			
Gravel	Pass					
Comment: <input type="text" value="Stormwater BMPs appear to be functioning at time of inspection."/>						
Corrective Action: <input type="text"/>					Date: _____	
Pits: <input checked="" type="checkbox"/> NO SURFACE INDICATION OF PIT						

COGCC Comments		
Comment	User	Date
Witnessed high pressure shut down test for the State 36-6 injection well. Test was to verify operation of automated shut down system when well hits shut down pressure of 640 psig. At start of test tubing pressure was 5.8 psig. Injection pump was started and water pumped to injection well. Tubing pressure was at 620 PSIG and master valve was closed to bring pressure up to initiate pump shut down. At 647 psig injection pump shut down. Automated system functioned as designed and test passed.	stjohnw	03/01/2018

Attached Documents

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

Document Num	Description	URL
401571555	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4399832
685304461	Inspection pictures.	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4399828