

**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:

05/08/2017

Submitted Date:

05/11/2017

Document Number:

685303001**FIELD INSPECTION FORM**Loc ID 325123 Inspector Name: St John, William (Cal) On-Site Inspection ☐ 2A Doc Num: _____**Operator Information:**OGCC Operator Number: 26625Name of Operator: ELM RIDGE EXPLORATION COMPANY LLCAddress: 12225 GREENVILLE AVE STE 950City: DALLAS State: TX Zip: 75243-**Status Summary:**☐ THIS IS A FOLLOW UP INSPECTION☒ FOLLOW UP INSPECTION REQUIRED☐ NO FOLLOW UP INSPECTION REQUIRED**Findings:**20 Number of Comments3 Number of Corrective Actions☒ Corrective Action Response Requested**Contact Information:**

Contact Name	Phone	Email	Comment
Lindeman, Terry	505-632-8048 EXT 210	tlindeman@elmridge.net	SW Inspection Reports
Redmond, Nolan	720-484-2347	Inspections@catamountep.com	All Inspections
Archuleta, Amy		aarchuleta@elmridge.net	SW Inspection Reports
Hughes, Jim		jimo.hughes@state.co.us	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
214065	WELL	PR	09/13/1959	GW	067-05362	MCELVAIN HARMON UNIT 1	PR

General Comment:

See link at end of report for path to downloadable pictures. Inspection report contains corrective actions and comments. See Signs/Marker, Stormwater, and Pit sections of report for additional details.

Location

Lease Road:			
Type	Access		
comment:	Dirt and gravel two track road.		
Corrective Action:		Date:	

Overall Good: ☐

Signs/Marker:			
Type	TANK LABELS/PLACARDS		
Comment:	Labels placed directly on tank. The produced water tank has the NFPA label installed on backside of tank and it needs to be moved. Current placement on backside of tank means the label not visible from the entry point on location and does not meet the intent of Rule 210.		
Corrective Action:		Date:	
Type	WELLHEAD		
Comment:	Free standing framed sign located at wellhead.		
Corrective Action:		Date:	

Emergency Contact Number:

Comment: Operator contact information posted on wellhead sign.

Corrective Action: Date: Overall Good: ☐

Spills:				
Type	Area	Volume		

In Containment: No

Comment: ☐ Multiple Spills and Releases?

Fencing/:			
Type	OTHER		
Comment:	Steel post and pole with hog wire fencing around possible pit or old removed tank containment.		
Corrective Action:		Date:	

Equipment:			corrective date
Type: Gas Meter Run	# 1		
Comment:			
Corrective Action:		Date:	
Type: Dehydrator	# 1		
Comment:			
Corrective Action:		Date:	
Type: Flow Line	# 1		
Comment:			
Corrective Action:		Date:	
Type: Plunger Lift	# 1		

Comment:			
Corrective Action:		Date:	
Type: Other	# 2		
Comment:	Riser and valve.		
Corrective Action:		Date:	
Type: Deadman # & Marked	# 4		
Comment:			
Corrective Action:		Date:	
Type: Horizontal Heated Separator	# 0		
Comment:			
Corrective Action:		Date:	
Type: Ancillary equipment	# 1		
Comment:	Wellhead.		
Corrective Action:		Date:	

Tanks and Berms:

Contents	#	Capacity	Type	Tank ID	SE GPS	
PRODUCED WATER	1	OTHER	Open Top		,	
Comment:	Open top tank with steel mesh top. Tank surrounded by earthen berms.					
Corrective Action:					Date:	

Paint

Condition	Adequate	
Other (Content)		
Other (Capacity)	25 BBLS	
Other (Type)		

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Earth	Inadequate	Walls Insufficient	Base Sufficient	Inadequate
Comment:	Berms are worn and weathered. Capacity not sufficient.			
Corrective Action:	Install or repair berms or other secondary containment to comply with Rule 605.a.(4).			Date: 06/11/2017

Venting:

Yes/No	NO	
Comment:		
Corrective Action:		Date:

Flaring:

Type		
Comment:		
Corrective Action:		Date:

Inspected Facilities									
Facility ID:	214065	Type:	WELL	API Number:	067-05362	Status:	PR	Insp. Status:	PR
Producing Well									
Comment:	PR - Review of electronic well file indicates last reported production as February 2017.								
Corrective Action:								Date:	

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

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

Land Use: _____

Comment: Location located on ridge with cut and fill slopes. Ridge has Sage, Juniper, and Pinion growing.**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 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
Berms	Pass	Gravel	Fail			
Compaction	Pass	Compaction	Fail			
Ditches	Pass	Ditches	Fail	Material Handling And Spill Prevention	Pass	Berms around produced water tank.

Comment: Access road to the Harmon #1 Gas meter house is deteriorated. The road appears to be used for access to and from McElvain Harmon Unit 1 and McElvain DKTA Unit 1. Upper access road is in good condition but this lower road is rutted, has exposed rock, and erosion channels. Similar issue was identified in previous inspection.

Corrective Action: Install or repair required BMPs to comply with Rule 1002.f. Refer to the 1002.f guidance document for further details.

Date: 06/11/2017

Pits: ☐ NO SURFACE INDICATION OF PIT

Type: Produced Water Lined: NO Pit ID: Lat: 37.055020 Long: -107.458390

Reference Point: SE Other: Length: 20 Width: 15

Lining:

Liner Type: Other

Liner Condition:

Comment: No liner. Pit may of served as tank containment in the past. Review of documents/inspections Inspector referenced unlined production pit. At the time of this inspection there is no lining or tank in containment/pit. Vegetation growing inside containment/pit and it appears abandoned. There are 2 risers and valves outside fencing.

Corrective Action: Contact COGCC EPS regarding pit closure per Rule 905.b.

Date: 05/22/2017c

Fencing:

Fencing Type: Other

Fencing Condition: Adequate

Comment: Steel post and pole with hog wire fencing. There are gaps at base of fencing but walls and top are tight and there are no contents in pit.

Corrective Action

Date:

Netting:

Netting Type:

Netting Condition:

Comment:

Corrective Action

Date:

Anchor Trench Present: NO

Oil Accumulation: NO

2+ feet Freeboard:

Comment: Pit is not lined and was dry at time of inspection. No evidence of staining visible.

Corrective Action

Date:

Attached Documents

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

Document Num	Description	URL
401281188	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4145189
685303049	NFPA label not visible from entry side of tank.	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4145174
685303050	Access road looking from meter run towards pad.	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4145175

685303051	View of fenced pit and risers.	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4145176
685303053	Vegetation inside containment/pit area.	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4145177
685303054	Lower access road looking back towards meter run.	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4145178