

**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:

06/08/2017

Submitted Date:

06/13/2017

Document Number:

685303271**FIELD INSPECTION FORM**Loc ID 312001 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:26 Number of Comments0 Number of Corrective Actions☐ Corrective Action Response Requested**Contact Information:**

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

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
216576	WELL	PR	02/16/2004	GW	067-08182	HARMON 1A	PR
288175	WELL	PR	12/01/2006	GW	067-09272	IGE 110	PR
433111	WELL	PR	10/01/2014	GW	067-09895	IGE 140	PR

General Comment:[2017 Flowline NTO Inspection 1000' Buffer](#)[Shadowing Operator Pressure Testing Team](#)

Location

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

Overall Good: ☐

Signs/Marker:			
Type	WELLHEAD		
Comment:	Free standing framed metal sign located at wellhead.		
Corrective Action:		Date:	

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: Flow Line	# 1		
Comment:	Harmon #1 MV - Separator outlet to gas meter run isolation valve. Both points on location. 37.099999/-107.746714 from Scout Card.		
Corrective Action:		Date:	
Type: Flow Line	# 1		
Comment:	IGE 140 From separator outlet to gas meter run isolation valve. Both points are on location. 37.09995/-107.74651 from Scout Card.		
Corrective Action:		Date:	
Type: Flow Line	# 1		
Comment:	Harmon #1 DK - Wellhead to domestic tap inlet. Both points on location. 37.099999/-107.746714 from Scout Card.		
Corrective Action:		Date:	
Type: Flow Line	# 1		
Comment:	Harmon #1 DK - Separator outlet to gas meter run isolation valve. Both points on location. 37.099999/-107.746714 from Scout Card.		
Corrective Action:		Date:	
Type: Flow Line	# 1		
Comment:	Harmon #1 MV - Wellhead to separator inlet. Both points on location. 37.099999/-107.746714 from Scout Card.		
Corrective Action:		Date:	
Type: Flow Line	# 1		
Comment:	IGE 140 Water dump line from separator outlet to produced water tank isolation valve. Both points are on location. 37.09995/-107.74651 from Scout Card.		

Corrective Action:		Date:	
Type: Flow Line	# 1		
Comment:	Harmon #1 DK - Wellhead to separator inlet. Both points on location. 37.099999/-107.746714 from Scout Card.		
Corrective Action:		Date:	
Type: Flow Line	# 1		
Comment:	IGE 110 Water dump line from separator outlet to produced water tank isolation valve. Both points are on location. 37.10004/-107.74667 from Scout Card.		
Corrective Action:		Date:	
Type: Flow Line	# 1		
Comment:	IGE 110 Separator outlet to gas meter run isolation valve. Both points are on location. 37.10004/-107.74667 from Scout Card.		
Corrective Action:		Date:	
Type: Flow Line	# 1		
Comment:	IGE 110 Wellhead to separator inlet. Both points are on location. 37.10004/-107.74667 from Scout Card.		
Corrective Action:		Date:	
Type: Flow Line	# 1		
Comment:	IGE 140 From wellhead to separator inlet. Both points are on location. 37.09995/-107.74651 from Scout Card.		
Corrective Action:		Date:	

Venting:

Yes/No			
Comment:			
Corrective Action:		Date:	

Flaring:

Type		
Comment:		
Corrective Action:		Date:

Inspected Facilities

Facility ID: 216576 Type: WELL API Number: 067-08182 Status: PR Insp. Status: PR

Flowline

#1	Type: Well Site	2 of Lines
<u>Flowline Description</u> Flowline Type: <u>Well Site</u> Size: _____ Material: <u>Carbon Steel</u> Variance: _____ Age: _____ Contents: <u>Natural Gas</u>		
<u>Integrity Summary</u> Failures: _____ Spills: _____ Repairs Made: _____ Coatings: _____ H2S: _____ Cathodic Protection: _____		
<u>Pressure Testing</u> Witnessed: <u>Yes</u> Test Result: <u>Pass</u> Charted: <u>Yes</u>		
<u>COGCC Rules(check all that apply)</u> <input type="checkbox"/> 1101. Installation and Reclamation <input checked="" type="checkbox"/> 1102. Operations, Maintenance, and Repair <input type="checkbox"/> 1103. Abandonment		
Comment: <u>Witnessed flow line pressure test on Harmon #A1 MV steel gas line from wellhead to separator inlet and from separator outlet to gas meter run isolation valve. All points are on location. 37.099999/-107.746714 from Scout Card. Testing was part of requirement of May 2, 2017 NTO. Test was conducted using Crystal gauge for pressure reading and charting. Starting pressure was 105.0 psi and ending pressure was 103.8 psi. Test duration was 15 minutes.</u>		Date: _____
Corrective Action:		
#2	Type: Well Site	2 of Lines
<u>Flowline Description</u> Flowline Type: <u>Well Site</u> Size: _____ Material: <u>Carbon Steel</u> Variance: _____ Age: _____ Contents: <u>Natural Gas</u>		
<u>Integrity Summary</u> Failures: _____ Spills: _____ Repairs Made: _____ Coatings: _____ H2S: _____ Cathodic Protection: _____		
<u>Pressure Testing</u> Witnessed: <u>Yes</u> Test Result: <u>Pass</u> Charted: <u>Yes</u>		
<u>COGCC Rules(check all that apply)</u> <input type="checkbox"/> 1101. Installation and Reclamation <input checked="" type="checkbox"/> 1102. Operations, Maintenance, and Repair <input type="checkbox"/> 1103. Abandonment		
Comment: <u>Witnessed flow line pressure test on Harmon #A1 DK steel gas line from wellhead to separator inlet and from separator outlet to gas meter run isolation valve. All points are on location. 37.099999/-107.746714 from Scout Card. Testing was part of requirement of May 2, 2017 NTO. Test was conducted using Crystal gauge for pressure reading and charting. Starting pressure was 90.1 psi and ending pressure was 88.1 psi. Test duration was 15 minutes.</u>		Date: _____
Corrective Action:		
#3	Type: Well Site	1 of Lines
<u>Flowline Description</u> Flowline Type: <u>Well Site</u> Size: _____ Material: <u>Carbon Steel</u> Variance: _____ Age: _____ Contents: <u>Natural Gas</u>		
<u>Integrity Summary</u>		

Failures:	Spills:	Repairs Made:
Coatings:	H2S:	Cathodic Protection:
Pressure Testing		
Witnessed: <u>Yes</u>	Test Result: <u>Pass</u>	Charted: <u>Yes</u>
COGCC Rules(check all that apply)		
<input type="checkbox"/> 1101. Installation and Reclamation	<input checked="" type="checkbox"/> 1102. Operations, Maintenance, and Repair	<input type="checkbox"/> 1103. Abandonment
Comment: <u>Witnessed flow line pressure test on Harmon #A1 DK steel gas line from wellhead to domestic gas tap inlet. All points are on location. 37.099999/-107.746714 from Scout Card. Testing was part of requirement of May 2, 2017 NTO. Test was conducted using Crystal gauge for pressure reading and charting. Starting pressure was 94.9 psi and ending pressure was 94.9 psi. Test duration was 15 minutes.</u>		Date:
Corrective Action:		
Facility ID: <u>288175</u>	Type: <u>WELL</u>	API Number: <u>067-09272</u>
Status: <u>PR</u>	Insp. Status: <u>PR</u>	
Flowline		
#6	Type: Dump Line	1 of Lines
Flowline Description		
Flowline Type: <u>Dump Line</u>	Size:	Material: <u>Carbon Steel</u>
Variance:	Age:	Contents: <u>Produced Water</u>
Integrity Summary		
Failures:	Spills:	Repairs Made:
Coatings:	H2S:	Cathodic Protection:
Pressure Testing		
Witnessed: <u>Yes</u>	Test Result: <u>Pass</u>	Charted: <u>Yes</u>
COGCC Rules(check all that apply)		
<input type="checkbox"/> 1101. Installation and Reclamation	<input checked="" type="checkbox"/> 1102. Operations, Maintenance, and Repair	<input type="checkbox"/> 1103. Abandonment
Comment: <u>Witnessed flow line pressure test on IGE 110 water dump line from separator outlet to produced water tank isolation valve. All points are on location. 37.10004/-107.74667 from Scout Card. Testing was part of requirement of May 2, 2017 NTO. Test was conducted using Crystal gauge for pressure reading and charting. Starting pressure was 101.4 psi and ending pressure was 101.8 psi. Test duration was 15 minutes.</u>		Date:
Corrective Action:		
#7	Type: Well Site	2 of Lines
Flowline Description		
Flowline Type: <u>Well Site</u>	Size:	Material: <u>Carbon Steel</u>
Variance:	Age:	Contents: <u>Natural Gas</u>
Integrity Summary		
Failures:	Spills:	Repairs Made:
Coatings:	H2S:	Cathodic Protection:
Pressure Testing		
Witnessed: <u>Yes</u>	Test Result: <u>Pass</u>	Charted: <u>Yes</u>
COGCC Rules(check all that apply)		
<input type="checkbox"/> 1101. Installation and Reclamation	<input checked="" type="checkbox"/> 1102. Operations, Maintenance, and Repair	<input type="checkbox"/> 1103. Abandonment

<u>Comment:</u> Witnessed flow line pressure test on IGE 110 steel gas line from wellhead to separator inlet, separator outlet to gas meter run isolation valve. All points are on location. 37.10004/-107.74667 from Scout Card. Testing was part of requirement of May 2, 2017 NTO. Test was conducted using Crystal gauge for pressure reading and charting. Starting pressure was 101.4 psi and ending pressure was 101.4 psi. Test duration was 15 minutes.	Date:
Corrective Action:	
Facility ID: <u>433111</u> Type: <u>WELL</u> API Number: <u>067-09895</u> Status: <u>PR</u> Insp. Status: <u>PR</u>	

Flowline

#4	Type: Well Site	2 of Lines
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Flowline Description

Flowline Type: Well Site Size: Material: Carbon Steel
Variance: Age: Contents: Natural Gas

Integrity Summary

Failures: Spills: Repairs Made:
Coatings: H2S: Cathodic Protection:

Pressure Testing

Witnessed: Yes Test Result: Pass Charted: Yes

COGCC Rules(check all that apply)

☐ 1101. Installation and Reclamation ☒ 1102. Operations, Maintenance, and Repair ☐ 1103. Abandonment

Comment: Witnessed flow line pressure test on IGE 140 steel gas line from wellhead to separator inlet, separator outlet to gas meter run isolation valve. All points are on location. 37.09995/-107.74651 from Scout Card. Testing was part of requirement of May 2, 2017 NTO. Test was conducted using Crystal gauge for pressure reading and charting. Starting pressure was 98.8 psi and ending pressure was 98.4 psi. Test duration was 15 minutes.

Corrective Action: Date:

#5	Type: Dump Line	1 of Lines
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Flowline Description

Flowline Type: Dump Line Size: Material: Carbon Steel
Variance: Age: Contents: Produced Water

Integrity Summary

Failures: Spills: Repairs Made:
Coatings: H2S: Cathodic Protection:

Pressure Testing

Witnessed: Yes Test Result: Pass Charted: Yes

COGCC Rules(check all that apply)

☐ 1101. Installation and Reclamation ☒ 1102. Operations, Maintenance, and Repair ☐ 1103. Abandonment

Comment: Witnessed flow line pressure test on IGE 140 water dump line from separator outlet to produced water tank isolation valve. All points are on location. 37.09995/-107.74651 from Scout Card. Testing was part of requirement of May 2, 2017 NTO. Test was conducted using Crystal gauge for pressure reading and charting. Starting pressure was 98.8 psi and ending pressure was 98.4 psi. Test duration was 15 minutes.

Corrective Action: Date:

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

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

Land Use: RANGELAND

Comment: _____

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? _____

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: RANGELAND

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	Berms around produced water tank.
Gravel	Pass	Gravel	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
401308024	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4169937
685303324	IGE 140 wellhead sign.	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4169928
685303325	IGE 110 wellhead sign.	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4169929
685303326	Harmon wellhead sign.	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4169930