

**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: \_\_\_\_\_

**Status Summary:**

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

**Operator Information:**

OGCC Operator Number: 26625  
Name of Operator: ELM RIDGE EXPLORATION COMPANY LLC  
Address: 12225 GREENVILLE AVE STE 950  
City: DALLAS State: TX Zip: 75243-

**Findings:**

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

**Contact Information:**

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

**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**

<b>Lease Road:</b>			
	Type Access		
comment:	Dirt and gravel two track road.		
Corrective ActionL			Date:

Overall Good:

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

<b>Emergency Contact Number:</b>			
Comment:			
Corrective Action:			Date: _____

Overall Good:

<b>Spills:</b>			
Type	Area	Volume	

In Containment: No

Comment:

Multiple Spills and Releases?

<b>Equipment:</b>			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
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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 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.

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_

#2	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 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.

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_

#3	Type: Well Site	1 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:
<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:	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.	
Corrective Action:	Date:	

Facility ID: <u>288175</u>	Type: <u>WELL</u>	API Number: <u>067-09272</u>	Status: <u>PR</u>	Insp. Status: <u>PR</u>
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**Flowline**

#6	Type: Dump Line	1 of Lines	
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<u>Flowline Description</u>		
Flowline Type: <u>Dump Line</u>	Size:	Material: <u>Carbon Steel</u>
Variance:	Age:	Contents: <u>Produced Water</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:	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.	
Corrective Action:	Date:	

#7	Type: Well Site	2 of Lines	
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<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

<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.	
Corrective Action:		Date:

Facility ID: <u>433111</u>	Type: <u>WELL</u>	API Number: <u>067-09895</u>	Status: <u>PR</u>	Insp. Status: <u>PR</u>
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**Flowline**

#4	Type:Well Site	2 of Lines	
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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: Yes      Test Result: Pass      Charted: Yes

COGCC Rules(check all that apply)

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

<u>Comment:</u>	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: <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: Yes      Test Result: Pass      Charted: Yes

COGCC Rules(check all that apply)

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

<u>Comment:</u>	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 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: 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: [Stormwater BMPs appear to be functioning at time of inspection.](#)

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	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4169937">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4169937</a>
685303324	IGE 140 wellhead sign.	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4169928">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4169928</a>
685303325	IGE 110 wellhead sign.	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4169929">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4169929</a>
685303326	Harmon wellhead sign.	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4169930">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4169930</a>