

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:

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	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 ActionL			Date:
Overall Good: <input type="checkbox"/>			
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: <input type="checkbox"/>			
Spills:			
Type	Area	Volume	
In Containment: No			
Comment:			
<input type="checkbox"/> Multiple Spills and Releases?			
Equipment:			
Type: Flow Line	# 1		corrective date
Comment:	IGE 140 From wellhead to separator inlet. Both points are on location. 37.09995/-107.74651 from Scout Card.		
Corrective Action:			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 110 Wellhead to separator intlet. Both points are on location. 37.10004/-107.74667 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:	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 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:	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 - 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 MV - Wellhead to separator 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:	

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
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