

**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:

06/13/2017

Submitted Date:

06/17/2017

Document Number:

685303323**FIELD INSPECTION FORM**

Loc ID 333085 Inspector Name: St John, William (Cal) On-Site Inspection ☐ 2A Doc Num: _____

Operator Information:OGCC Operator Number: 100264Name of Operator: XTO ENERGY INCAddress: PO BOX 6501City: ENGLEWOOD State: CO Zip: 80155**Status Summary:**

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

Findings:25 Number of Comments1 Number of Corrective Actions☒ Corrective Action Response Requested**Contact Information:**

| Contact Name | Phone | Email | Comment |
|------------------|--------------|-------------------------------|---------------------------------------|
| Trobaugh, Robert | 505-333-3185 | robert_trobaugh@xtoenergy.com | SW Inspection Reports |
| Woolley, Jeff | 505-333-3222 | Jeff_Woolley@xtoenergy.com | SW Inspection Reports |
| Hixon, Logan | 505-386-8018 | logan_hixon@xtoenergy.com | SW EHS Tech |

Inspected Facilities:

| Facility ID | Type | Status | Status Date | Well Class | API Num | Facility Name | Insp Status |
|-------------|------|--------|-------------|------------|-----------|-----------------|-------------|
| 214340 | WELL | PR | 04/01/1998 | GW | 067-05735 | MCDONALD 1 | PR |
| 216434 | WELL | PR | 01/13/1997 | GW | 067-08040 | REININGHAUS 1-7 | PR |
| 295406 | WELL | PR | 09/10/2008 | GW | 067-09527 | REININGHAUS 2-7 | 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. | | |
| 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?

| | | | |
|--------------------|---|-------|-----------------|
| Equipment: | | | corrective date |
| Type: Flow Line | # 1 | | |
| Comment: | In use - 2" steel line from wellhead to separator inlet. All points on location. 37.02751/-107.54599 from scout card. | | |
| Corrective Action: | | Date: | |
| Type: Flow Line | # 1 | | |
| Comment: | In use - 2" steel line from separator outlet to gas meter inlet and 2" stub up for low point water blow out. All points on location. 37.02751/-107.54599 from scout card. | | |
| Corrective Action: | | Date: | |
| Type: Flow Line | # 1 | | |
| Comment: | In use - 3" steel line from separator outlet to gas meter inlet. All points on location. 37.02793/-107.54566 from scout card. | | |
| Corrective Action: | | Date: | |
| Type: Flow Line | # 1 | | |
| Comment: | In use - 3" steel line from separator outlet to gas meter inlet. All points on location. 37.02775/-107.54588 from scout card. | | |
| Corrective Action: | | Date: | |
| Type: Flow Line | # 1 | | |
| Comment: | Not in use - 1" steel supply gas line from separator outlet to wellhead. Pressure tested. All points on location. 37.02775/-107.54588 from scout card. | | |
| Corrective Action: | | Date: | |
| Type: Flow Line | # 1 | | |
| Comment: | In use - 3" steel line from wellhead casing to separator inlet. All points on location. 37.02793/-107.54566 from scout card. | | |

| | | | |
|--------------------|--|-------|--|
| Corrective Action: | | Date: | |
| Type: Flow Line | # 1 | | |
| Comment: | Not in use - 3" steel line from wellhead tubing to separator inlet. Pressure tested. All points on location. 37.02775/-107.54588 from scout card. | | |
| Corrective Action: | | Date: | |
| Type: Flow Line | # 1 | | |
| Comment: | In use - 3" steel line from wellhead to separator inlet. All points on location. 37.02775/-107.54588 from scout card. | | |
| Corrective Action: | | Date: | |
| Type: Flow Line | # 1 | | |
| Comment: | Not in use - 1" steel supply gas line from separator outlet to stub ups at wellhead, pump jack motor and E side of separator. Painted and tagged for abandonment. All points on location. 37.02793/-107.54566 from scout card. | | |
| Corrective Action: | | Date: | |

Venting:

| | | | |
|--------------------|----|-------|--|
| Yes/No | NO | | |
| Comment: | | | |
| Corrective Action: | | Date: | |

Flaring:

| | | |
|--------------------|--|-------|
| Type | | |
| Comment: | | |
| Corrective Action: | | Date: |

Inspected Facilities

Facility ID: 214340 Type: WELL API Number: 067-05735 Status: PR Insp. Status: PR

Flowline

| | | | |
|----|-----------------|------------|--|
| #1 | Type: Well Site | 1 of Lines | |
|----|-----------------|------------|--|

Flowline Description

Flowline Type: Well Site Size: 2" Material: Carbon Steel
 Variance: Age: Contents: Natural Gas

Integrity Summary

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

Pressure Testing

Witnessed: Yes Test Result: Fail 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 steel gas line from wellhead to separator inlet. All points are on location. 37.02751/-107.54599 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 59.6 psi and ending pressure was 66.7 psi. Test duration was 15 minutes. Test resulted in a fail with pressure increase of more than 10%. Well shut in.

Corrective Action: Document and retain records of root cause of failure evaluation, measures taken to prevent the problem from reoccurring and a description of all flowline repairs and/ or replacements completed; perform flowline pressure testing to verify integrity of repairs completed (Must be deemed passing per COGCC rule 1101e) prior to returning flowline to service.

Contact COGCC field inspector regarding scheduling of field repairs and follow up pressure testing.

This well must remain shut in until one of two corrective actions are met: 1) All failure points on the flowline are identified and adequate repair(s) are completed and integrity verified via follow up pressure testing (witnessed by COGCC staff); 2) A new well site flowline is constructed to service the well from wellhead to horizontal separator; Pressure test flowline prior to adding to service

Date: 06/30/2017

| | | | |
|----|-----------------|------------|--|
| #2 | Type: Well Site | 1 of Lines | |
|----|-----------------|------------|--|

Flowline Description

Flowline Type: Well Site Size: 2" 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

| | | | | |
|--|-----------------|--|-------------------------------|-------|
| | <u>Comment:</u> | Witnessed flow line pressure test on steel gas line from separator outlet to low point stub and gas meter inlet. All points are on location. 37.02751/-107.54599 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 14.9 psi and ending pressure was 14.8 psi. Test duration was 15 minutes. | | |
| Corrective Action: | | | | Date: |
| #3 | Type: Well Site | 1 of Lines | | |
| <u>Flowline Description</u> | | | | |
| Flowline Type: <u>Well Site</u> | | Size: <u>3"</u> | 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 steel gas line from wellhead to separator inlet. All points are on location. 37.02793/-107.54566 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 108.8 psi and ending pressure was 108.7 psi. Test duration was 15 minutes. | | |
| Corrective Action: | | | | Date: |
| #4 | Type: Well Site | 1 of Lines | | |
| <u>Flowline Description</u> | | | | |
| Flowline Type: <u>Well Site</u> | | Size: <u>3"</u> | 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 steel gas line from separator outlet to gas meter inlet. All points are on location. 37.02793/-107.54566 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 94.8 psi and ending pressure was 92.5 psi. Test duration was 15 minutes. | | |
| Corrective Action: | | | | Date: |
| #5 | Type: Well Site | 1 of Lines | | |
| <u>Flowline Description</u> | | | | |
| Flowline Type: <u>Well Site</u> | | Size: <u>3"</u> | 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>No</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 steel gas line from wellhead casing to separator inlet. All points are on location. 37.02775/-107.54588 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 103.6 psi and ending pressure was 104.2 psi. Test duration was 15 minutes. | | | |
| <u>Corrective Action:</u> | | Date: | | | |
| #6 | Type:Well Site | 1 of Lines | | | |
| <u>Flowline Description</u> | | | | | |
| Flowline Type: <u>Well Site</u> | | Size: <u>3"</u> | | 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 steel gas line from wellhead tubing to separator inlet. All points are on location. 37.02775/-107.54588 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 101.5 psi and ending pressure was 99.2 psi. Test duration was 15 minutes. | | | |
| <u>Corrective Action:</u> | | Date: | | | |
| #7 | Type:Well Site | 1 of Lines | | | |
| <u>Flowline Description</u> | | | | | |
| Flowline Type: <u>Well Site</u> | | Size: <u>3"</u> | | 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 steel gas line from separator outlet to gas meter inlet. All points are on location. 37.02775/-107.54588 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 89.6 psi and ending pressure was 90.8 psi. Test duration was 15 minutes. | | | |
| <u>Corrective Action:</u> | | Date: | | | |
| #8 | Type:Process Piping | 1 of Lines | | | |

Flowline DescriptionFlowline Type: Process PipingSize: OtherMaterial: Carbon Steel

Variance:

Age:

Contents: Natural GasIntegrity Summary

Failures:

Spills:

Repairs Made:

Coatings:

H2S:

Cathodic Protection:

Pressure TestingWitnessed: YesTest Result: PassCharted: YesCOGCC Rules(check all that apply)☐ 1101. Installation and Reclamation☒ 1102. Operations, Maintenance, and Repair☐ 1103. AbandonmentComment:

Witnessed flow line pressure test on steel 1" supply gas line from separator outlet to wellhead. Currently not in use. All points are on location. 37.02775/-107.54588 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 62.2 psi and ending pressure was 62.1 psi. Test duration was 15 minutes.

Corrective Action:

Date:

| | | | | |
|----------------------------|-------------------|------------------------------|-------------------|-------------------------|
| Facility ID: <u>216434</u> | Type: <u>WELL</u> | API Number: <u>067-08040</u> | Status: <u>PR</u> | Insp. Status: <u>PR</u> |
|----------------------------|-------------------|------------------------------|-------------------|-------------------------|

| | | | | |
|----------------------------|-------------------|------------------------------|-------------------|-------------------------|
| Facility ID: <u>295406</u> | Type: <u>WELL</u> | API Number: <u>067-09527</u> | Status: <u>PR</u> | Insp. Status: <u>PR</u> |
|----------------------------|-------------------|------------------------------|-------------------|-------------------------|

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

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

Land Use: _____

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: _____

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 |
| Gravel | Pass | Gravel | Pass | | | |
| Compaction | Pass | Compaction | Pass | | | |

Comment:

Stormwater BMPs appear to be functioning at time of inspection.

Corrective Action:

Date:

Pits: ☒ NO SURFACE INDICATION OF PIT