

**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:

07/27/2017

Submitted Date:

07/28/2017

Document Number:

674901823**FIELD INSPECTION FORM**Loc ID 325208 Inspector Name: Hughes, Jim On-Site Inspection ☐ 2A Doc Num: _____**Operator Information:**OGCC Operator Number: 64650Name of Operator: NORTHWEST PIPELINE CORPAddress: P O BOX 58900City: SALT LAKE CITY State: UT Zip: 84158-**Status Summary:**☐ THIS IS A FOLLOW UP INSPECTION☒ FOLLOW UP INSPECTION REQUIRED☐ NO FOLLOW UP INSPECTION REQUIRED**Findings:**7 Number of Comments0 Number of Corrective Actions☐ Corrective Action Response Requested**Contact Information:**

Contact Name	Phone	Email	Comment
Pecor, John		jpecor@blm.gov	
Spray, Karen		kspray@sudoe.us	
Fischer, Alex		alex.fischer@state.co.us	
Andrews, Dave		david.andrews@state.co.us	
Weems, Mark		mark.weems@state.co.us	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
214285	WELL	TA	08/03/1959		067-05620	MCCULLOCH 4	EI

General Comment:

On July 27, 2017 COGCC SW EPS Jim Hughes conducted an environmental field inspection of the Northwest Pipeline Corp. McCulloch #4. For the most recent field inspection report for this facility, please refer to document #674901370. The purpose of this site visit was to collect gas samples from the surface, intermediate, and production casing strings. Cottonwood Consulting representatives were on site to collect the samples for gas composition and isotopic analysis.

Location**Lease Road:**

Type	Access		
comment:	Currently hike in access only. Historic access road is overgrown and has washed out at several creek crossings.		
Corrective ActionL		Date:	

Overall Good: ☐**Emergency Contact Number:**

Comment:		Date: _____
Corrective Action:		

Good Housekeeping:

Type	UNUSED EQUIPMENT		
Comment:	Valves, fittings, and wood debris remain on location.		
Corrective Action:		Date:	

Overall Good: ☐**Spills:**

Type	Area	Volume		
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In Containment: No

Comment:

☐ Multiple Spills and Releases?**Venting:**

Yes/No			
Comment:			
Corrective Action:		Date:	

Flaring:

Type		
Comment:		
Corrective Action:		Date:

Environmental**Spills/Releases:**

Type of Spill: _____ Estimated Spill Volume: _____

Comment: _____

Corrective Action: _____ Date: _____

Reportable: _____ GPS: Lat _____ Long _____

Proximity to Surface Water: _____ Depth to Ground Water: _____

Water Well Complaint:

Lat _____ Long _____

DWR Receipt Num: _____ Owner Name: _____ GPS : _____

Field Parameters:

Sample Location: Well _____ Comment: _____

Sample Sample Type: GAS

Time: 07/27/17 10:35 (MM/dd/yyyy hh:mm) GPS: Lat 37.152190 Long -107.906430

BTEX: _____ TPH: _____ Anion: _____ Captions: _____ General Chemistry: _____

Dissolved Methane: _____ Composition: YES Stable Isotopes: YES 8260: _____

8270: _____ RCRA Metals: _____ 910-Metals: _____ PAH: _____

Other: _____

Comment: [Production casing.](#)

Sample Sample Type: GAS

Time: 07/27/17 10:20 (MM/dd/yyyy hh:mm) GPS: Lat 37.152190 Long -107.906430

BTEX: _____ TPH: _____ Anion: _____ Captions: _____ General Chemistry: _____

Dissolved Methane: _____ Composition: YES Stable Isotopes: YES 8260: _____

8270: _____ RCRA Metals: _____ 910-Metals: _____ PAH: _____

Other: _____

Comment: [Intermediate casing.](#)

Sample Sample Type: BRADENHEAD

Time: 07/27/17 10:10 (MM/dd/yyyy hh:mm) GPS: Lat 37.152190 Long -107.906430

BTEX: _____ TPH: _____ Anion: _____ Captions: _____ General Chemistry: _____

Dissolved Methane: _____ Composition: YES Stable Isotopes: YES 8260: _____

8270: _____ RCRA Metals: _____ 910-Metals: _____ PAH: _____

Other: _____

Comment: [Surface casing.](#)

Lab:

Lab Name _____

DIG _____

COGCC Comments

Comment	User	Date
<p>On July 27, 2017 COGCC SW EPS Jim Hughes conducted an environmental field inspection of the Northwest Pipeline Corp. McCulloch #4. For the most recent field inspection report for this facility, please refer to document #674901370. The purpose of this site visit was to collect gas samples from the surface, intermediate, and production casing strings. Cottonwood Consulting representatives were on site to collect the samples for gas composition and isotopic analysis.</p> <p>The surface casing read 22.3 psi prior to sample collection. An Isotube was used to collect a sample of the gas within the surface casing. The sample container was purged 10 times with the supplied regulator prior to sample collection.</p> <p>The intermediate casing read 8.9 psi prior to sample collection. An Isotube was used to collect a sample of the gas within the intermediate casing string. The sample container was purged 10 times with the supplied regulator prior to sample collection.</p> <p>The production casing also had a reading of 8.9 psi prior to sample collection. An Isotube was used to collect a sample of the gas within the production casing string. The sample container was purged 10 times with the supplied regulator prior to sample collection. The production casing pressure reading was 7.6 psi after sample collection.</p> <p>After three gas samples were collected, the pressure gauge was attached to the production casing valve. The intermediate casing valve was then opened. The pressure on the production casing dropped to 0.0 psi after 4 minutes 8 seconds. After 6 minutes the intermediate casing flow was down to a whisper and the pressure gauge on the production casing valve read -1.2. The intermediate casing was bled off after 6 minutes 55 seconds. The Bradenhead valve was opened and after twenty seconds the sound had ceased. After 10+ minutes, only a vapor was flowing from the valve.</p>	hughesj	07/28/2017

Attached Documents

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

Document Num	Description	URL
401358115	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4210142
674901824	McCulloch #4 well head.	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4210133
674901825	Pressure reading on surface casing.	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4210134
674901826	Collecting surface casing gas sample.	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4210135
674901827	Pressure reading on production casing.	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4210136