

FORM
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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: _____

Status Summary:

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

Operator Information:

OGCC Operator Number: 64650
 Name of Operator: NORTHWEST PIPELINE CORP
 Address: P O BOX 58900
 City: SALT LAKE CITY State: UT Zip: 84158-

Findings:

- 7 Number of Comments
0 Number of Corrective Actions
 Corrective Action Response Requested

Contact Information:

Contact Name	Phone	Email	Comment
Weems, Mark		mark.weems@state.co.us	
Pecor, John		jpecor@blm.gov	
Andrews, Dave		david.andrews@state.co.us	
Fischer, Alex		alex.fischer@state.co.us	
Spray, Karen		kspray@sudoe.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:	<input style="width: 100%;" type="text"/>		
Corrective Action:	<input style="width: 100%;" type="text"/>		Date: _____

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

Overall Good:

Spills:			
Type	Area	Volume	

In Containment: No

Comment:

Multiple Spills and Releases?

Venting:			
Yes/No			
Comment:	<input style="width: 100%;" type="text"/>		
Corrective Action:		Date:	

Flaring:			
Type			
Comment:	<input style="width: 100%;" type="text"/>		
Corrective Action:		Date:	

Inspected Facilities

Facility ID: 214285 Type: WELL API Number: 067-05620 Status: TA Insp. Status: EI

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:

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

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
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