

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

P047853682

FACILITY: RIVERSIDE - BIJOU C4-11 STATION REVISED		SRN / ID: P0478
LOCATION: PART OF E 1/2 OF SE 1/4...SEC 11 T 29N R6W, MANCELONA TWP		DISTRICT: Gaylord
CITY: MANCELONA TWP		COUNTY: ANTRIM
CONTACT: Natalie Schrader , Compliance Coordinator		ACTIVITY DATE: 05/22/2020
STAFF: Sharon LeBlanc	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: site visit for completion of FCE for 2020 fiscal year. sgl		
RESOLVED COMPLAINTS:		

On May 22, 2020, AQD District Staff conducted a site visit for the Riverside Energy Michigan (Riverside) Bijou C4-11 Booster (AKA Mancelona West Booster) (P0478), located at the E ½, of SE ¼ of Section 11, T28N R3W, Mancelona Township, Antrim County, Mancelona Michigan. The purpose of the site visit was to confirm equipment onsite with respect to Permit to Install (PTI) No. 169-13. A site visit was attempted on November 19, 2019; however, the site was not accessible at that time.

Records were previously requested, received electronically on September 30, 2019 and summarized in a report dated December 20, 2019. No compliance issues were noted during the records review.

The referenced site was previously inspected on April 2 and June 11, 2016. No compliance issues were identified as part of the 2015 compliance evaluations.

FACILITY

The referenced facility is an unmanned booster station operated by Riverside E-NE of Mancelona, Michigan. The station is reported to service Antrim and Niagaran Formation wells in the area. Activities onsite are limited to compression of NG, which pushes it through the pipeline to the Mancelona 8 Central Production Facility (CPF) (N7457). Depletion of associated wells requires the use of a booster to move NG down the line. Inlet gas samples collected on October 10, 2019, indicate that H2S concentrations are below 1 ppm and meet the AQD sweet gas definition.

To get to the site, District Staff travelled east on Scholl Road, from it's intersection with US 131. The gated entrance to the facility is the first trail/drive on the north side of the road, east of Flynn Road. The drive back is hilly, and poorly compacted resulting in multiple patches of loose sand, and uneven road. The booster station is located on the first drive to the left. Signs identifying the Facility are not present at the Scholl Road entrance. On the north side of the road, the nearest residence to the entrance is 4843 Scholl Road.

A review of readily available aerials appears to indicate that the compressor building was constructed between 2013 and 2016. A tank battery in a containment area is visible after 1998. The site was undeveloped in aerials dated 1998. Only one tank identified as production water presently exists onsite, and was located in a lined secondary containment. One pumpjack was present onsite, but was not operating at the time of the site visit.

The Facility since permitting has been operated by the following companies:

- LINN Operating, LLC (March 4, 2019, notification of name change)
- Riviera Operating LLC, (March 4, 2019 – August 1, 2019)
- Riverside Energy Michigan, LLC, (August 1, 2019 to Present)

At the time of the site inspection, the skies were partly cloudy, temps in the low 50s and little to no wind. No visible emissions were noted.

REGULATORY

Permitting -The referenced facility operates under PTI No. 169-13, which was issued to Linn Operating Inc. on March 13, 2014. The PTI was issued as an opt-out permit, and allows for replacement of the permitted engine with an equivalent or lower emitting engine with notification to the District Supervisor, and submittal of appropriate documentation of emissions (Special Condition (SC) VII.1).

EQUIPMENT

Review of District Files indicates that the following compressor engine is of record for the site.

ENGINE ID	ENGINE TYPE	INSTALLATION DATE	REMOVAL DATE	COMMENT
EUENGINE SN 6NB01686 Unit # 3596 #303596	Cat 3408 HC TA 400 Hp Rich Burn No Catalyst	3/12/2014	NA	Referred to as Unit 303596 in PM/MAP No swings or swap outs of record

At the time of the May 22, 2020, site visit a single engine was identified onsite. A Riverside operators log was present, verifying daily monitoring of the unit. Though no plate could be found on the engine, the markings on the operators logs as well as on the compressor skid identified the unit as "03596". No catalyst was present. Operational parameters noted at the time of the visit included:

- RPMs – 1162
- Engine pressure – 700
- Discharge temp – 180
- Compressor Oil pressure - 75
- Compressor Oil temp - 180

No recent contractor maintenance logs for the compressor engine were found onsite. The only logs found were for Correct Compression Inc. for a visit conducted August 28, 2019.

SUMMARY

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Equipment identified onsite were consistent with those associated with PTI 169-13, and appeared to be operating properly at the time of the visit.

Sharon LeBlanc Digitally signed by Sharon LeBlanc
Date: 2020.06.11 12:42:01 -0400

Shane Nixon Digitally signed by Shane
Nixon
Date: 2020.06.11 12:42:28
-0400

NAME _____

DATE _____

SUPERVISOR _____