Ethan Blackwood

Gas Plant Operator

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SUMMARY

Gas plant operator with 4 years at cryogenic gas processing plants, running amine treating, glycol dehydration, compressors and the cryo unit from the DCS. Handles process troubleshooting, sampling and daily production reporting on 12-hour rotating shifts. Trained in H2S safety and lockout/tagout, with no recordable incidents in 4 years of plant and field work.

SKILLS

- **Cryogenic Gas Processing**
- **Amine Treating**
- **Glycol Dehydration**
- **Compressors**
- **DCS**
- **Process Troubleshooting**
- **Sampling**
- **Production Reporting**
- **H2S Safety**
- **Lockout/Tagout**

EXPERIENCE

Gas Plant Operator 04/2024 - Present
Powder River Gas Processing Casper, WY
Cryogenic gas processing plant with 200 MMcf/d of inlet capacity.

- Operate the DCS for a **200** MMcf/d cryogenic plant, including inlet, amine treating and residue compression.
- Lead process troubleshooting on amine foaming and expander upsets, raising NGL recovery by 2 points in 2025.
- Collect gas and liquid sampling for H2S, CO2 and dew point, and adjust glycol dehydration to hold pipeline spec.
- Compile daily production reporting on inlet, residue and NGL volumes for the plant superintendent.

Compressor Operator 09/2022 - 03/2024
Bighorn Midstream Gillette, WY
Field compression for a gas gathering system.

- Ran 14 reciprocating compressors across 5 stations and kept unit availability above 97%.
- Changed oil, filters and valves on compressors under the preventive maintenance schedule.
- Responded to 40+ callouts a year for shutdowns and restarted units within 2 hours on average.
- Prepared lockout/tagout and confined space permits for mechanics and contractors.

Roustabout 05/2021 - 08/2022
Natrona Oilfield Services Casper, WY
Field service crew for oil and gas facilities.

- Built and repaired piping at 20+ well pads and compressor sites.
- Followed H2S safety and PPE rules on every sour gas location.
- Operated a skid steer and backhoe to set 15 tanks and separators on new pads.

EDUCATION

Associate of Applied Science 05/2021
Casper College Casper, WY
Industrial Technology

CERTIFICATES

H2S Clear
Energy Safety Training Center
03/2026

OSHA 10-Hour General Industry
Casper College
02/2021