

# NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

## FACT SHEET

(Pursuant to NAC 445A.874)

Permittee Name: **Cyrq Energy Inc. (NGP Blue Mountain I, LLC)**  
Project Name: **Blue Mountain Geothermal Project**  
Address/Location: **Jungo Road | 25 miles WNW of Winnemucca | Humboldt Co.**  
Permit Action: **UIC temporary permit issuance**  
Type of Project: **Geothermal Power Production**  
UIC Temp Permit ID: **UNEV2007202T2023-1**  
Injection Wells (x1): **34A(14-23)-22**  
NDOM Well Permit #: **1505**  
NDOM Well API (NDOM): **27-013-90146**  
BLM District: **Winnemucca**  
BLM Unit: **Blue Mountain Geothermal Unit**  
BLM Lease: **NVN-077668**  
Location (PLSS): **(MDB&M) T36N | R34E | Section 22 (SE/4 of NW/4)**  
Location (geo) Top: **(WGS84) 40° 58' 55.5708" N | 118° 09' 16" W**  
Location (geo) Bottom: **(WGS84) 40° 58' 51" N | 118° 08' 25" W**  
Well Depth (TVD): **~7,700 ft bgs**  
Well Depth (MD): **~10,950 ft bgs**  
Perforated Zone (TVD): **7,300 - 8,000 ft (TVD)**  
Perforated Zone (MD): **7,983 – 10,880 ft (MD)**  
Injection flow limit: **2,000 gpm**  
Injection pressure limit: **2,280 psig**

**SYNOPSIS:** 30-day authorization to re-inject fluid produced from the Blue Mountain geothermal reservoir, in production well (PW) 34(14-23)-22, into coupled injection well (IW) 34A(14-23)-22, for cross-flow testing of the conjoining engineered geothermal system (EGS) reservoir.

### **A. WELL HISTORY**

**10/19/2023:** NDEP-UIC issued UIC temporary permit UNEV2007202T2023-1 for 30-day reinjection of brine produced from PW 34(14-23)-22 into IW 34A(14-23)-22

**10/10/2023:** NDEP-UIC received revised application for temporary permit UNEV2007202T2023-1

**8/11/2023:** BLM sundry approval of 7-day reinjection of brine produced from PW 34(14-23)-22 into IW 34A(14-23)-22

**8/11/2023:** NDOM sundry approval of 7-day reinjection of brine produced from PW 34(14-23)-22 into IW 34A(14-23)-22

**6/7/2023:** BLM sundry approval of casing-pull workover plan for PW 34(14-23)-22

**6/1/2023:** NDEP-UIC received UIC Completion Report form U120 for IW 34A(14-23)-22

**5/12/2023:** NDEP-UIC received revised application for temporary permit UNEV2007202T2023-1

**4/14/2023:** NDOM sundry approval for 30-day reinjection of brine produced from PW 34(14-23)-22 containing tracer compound into IW 34A(14-23)-22

**4/13/2023:** BLM sundry approval of 30-day reinjection of brine produced from PW 34(14-23)-22 containing tracer compound into IW 34A(14-23)-22

**4/6/2023:** NDEP-UIC received initial application for temporary permit UNEV2007202T2023-1

**3/30/2023:** BLM sundry approval of 7-day reinjection of brine produced from PW 34(14-23)-22 into IW 34A(14-23)-22

**1/26/2023:** NDOM sundry approval for 7-day reinjection of brine produced from PW 34(14-23)-22 into IW 34A(14-23)-22

**1/25/2023:** BLM sundry approval for 7-day injection test in IW 34A(14-23)-22

**9/3/2022:** NDOM sundry approval for cleanout & short-term injection test plan for IW 34A(14-23)-22

**7/15/2022:** NDOM sundry filed re: constituent additives in fluid used for hydraulic fracturing of engineered geothermal reservoir adjoining IW 34A(14-23)-22 and PW 34(14-23)-22

**6/4/2022:** drilling completion date for IW 34A(14-23)-22

**4/6/2022:** NDOM sundry approval of change to approved well design/construction & drilling plans with corresponding change in Kettleman well ID for IW 34A(14-23)-22

**3/16/2022:** drilling spud date for IW 34A(14-23)-22

**2022:** start of Fervo Energy Inc. EGS drilling campaign including IW 34A(14-23)-22, PW 34(14-23)-22, and Observation Well 73-22

## **B. WATER QUALITY/CHEMISTRY RESULTS SUBMITTED**

- 1. Receiving ground water sampled from well 34A(14-23)-22**
- 2. Injection fluid**