NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
Underground Injection Control

FACT SHEET

(pursuant to NAC 445A.874)

Permit Number:	UNEV93212
Permittee Name:	Grant Canyon Oil and Gas, LLC
Facility Name:	Bacon Flat
Permit Type:	Underground Injection Control Individual Permit
Injection Well Type:	UIC Class II
Permittee Address:	5299 DTC BLVD, Suite 840, Greenwood Village, CO 80111
Property Owner:	Public Land- Lease N-9214, Bureau of Land Management
Legal Description	
***PLSS (T/R/S)*:**	Sec. 17; T7N, R57E (MDB&M)
***Lat, Long*:**	38° 27' 46" N, 115° 35' 37" W.
Proposed Action:	Renewal of existing Underground Injection Control permit
Reporting Frequency:	Quarterly

Description of Discharge

Approved Injection Wells:
Bacon Flat #1- Approved for water injection only
Bacon Flat #23-17- Approved for Air injection only

Characteristics:
All fluid injectate produced in conjunction with conventional oil production. The injectate fluid has a TDS concentration of approximately 4,380 ppm. Elevated levels of arsenic (.77 ppm), chloride (1277 ppm), fluoride (10.4 ppm), and pH (7.4) are present. The injectate may contain low concentrations of emulsifiers and/or anti-scalants.

Synopsis

2025 Update: Bacon Flat #1 continues to be used for water disposal and is operating at a rate of 0-300 barrels a day. Bacon Flat #23-17 is currently used for air injections and is operating at an injection rate of 900-1000 cfm.

2017 update: Bacon Flat 1 continues to be used to dispose of produced water. A second well was never injected into for enhanced recovery; however, the operator is still considering this as an option. Injected water flows have decreased to 5 bbls (210 gal per day).

2009 update: The new owner has requested reissuance of UIC permit #UNEV93212 to inject water for disposal purposes into one injection well, Bacon Flat #1, and to inject air into a second well for enhanced recovery purposes. The Bacon Flat field consists of a total of six (6) oil wells. The only wells known to exist within the area of review are associated with oil production. All of these wells are either producing, under Temporarily Abandoned status, or plugged, whereby no corrective action is required of these wells. Injectate fluids are produced in conjunction with conventional oil production activities from other wells in the area. The average monthly injection rate is 2000 barrels of water (1 barrel = 42 gals.) per day. The

maximum pressure allowed at the wellhead is 1400 psig. Typical operating pressures are around 500-600 psig. The injection well has been and will continue to be required to undergo testing to demonstrate mechanical integrity at least once every 2 ½ years. Air injection pressure limit, measured at the wellhead, for 23-17 is set at 2,750 psig at a maximum rate of 1,000 cubic feet per minute (CFM).

Timeline

2025- Renewal
2017 – Renewal
2013 – Transfer of permit from Breck Energy LL to Grant Canyon Oil & Gas LLC
Jan 2010 – Permit renewed
Sept 2009 – Permit Transfer to new owner, Breck Energy (Nevada), LLC
May 2007 – Application / Major Mod Rec'd
Dec 2003 – Application / Renewal Rec'd
August 2003 – Transferred to Double D Nevada, LLC
May 2003 – Transferred from Big West to Nance Petroleum Co.
Jun 1999 – Permit Renewed
Jan 1999 – Application / Renewal Rec'd
1998 – Big West acquired the lease, including the five (5) production wells and one (1) injection well from Equitable Resources Energy (EREC)
Dec 1993 - Original Permit Issued
Sep 1993 - Original Application Rec'd

Receiving Water

The injection zone is within the Devonian Guilmette Formation below 5000 feet, this formation is the same as the zone where the produced water originates. This zone has been characterized by water analysis and by other wells in the area to be high in total dissolved solids and to contain naturally occurring hydrocarbons. An impermeable clay zone (confining layer) has been identified between the valley fill and the lower Paleozoic Carbonates. A water quality analysis of the receiving zone is comparable to the injectate.

Procedures for Public Comment

Pursuant to NAC 445A.890.5 through NAC 445A.877, public notice of Underground Injection Control permit applications and proposed drafts is being posted on the NDEP website, and mailed to any interested persons on our mailing list, to (1) solicit written comments or objections to determinations of the Director regarding the application or permit and (2) provide the opportunity for a public hearing, if the Director determines that there is a significant level of interest from the applicant, any affected state, any affected interstate agency, the regional administrator, or any interested agency, person, or group of persons. A hearing request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted. Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238 and the final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Any person wishing to submit comments or request a hearing must do so by email/mail, which must be sent/postmarked or hand delivered within thirty (30) days to:

Nevada Division of Environmental Protection
Bureau of Water Pollution Control | Permits Branch
Attn: Underground Injection Control Permit Writer
901 S. Stewart Street, Suite 4001
Carson City, NV 89701

Proposed Determination

The Division has made a tentative decision to reissue the permit.

Rationale for Permit Requirements

Permit requirements will verify that the quality of fluid discharged to the injection well remains constant and will confirm that fluids disposal does not adversely affect the existing hydrologic regime.

Special Conditions and Monitoring Requirements

For special conditions, see Part I.A of the permit. For monitoring requirements, see Attachment 1 of the permit.

Revised by: Lisa Aleman, July 22, 2025