

State of New Mexico
Energy, Minerals and Natural Resources Department

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Administrative Order WFX-1055

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Division Order No. R-9596 and consideration of Division Rule 19.15.26.8(F)(5) NMAC, Apache Corporation (OGRID 873) has made application to the Oil Conservation Division (OCD) for permission to add (API: 30- 025-05737) as injection well to its North Monument Grayburg-San Andres Unit Waterflood Project located within the Eunice Monument Grayburg-San Andres Pool (23000) in Lea County, New Mexico. The well is being proposed for injection of produced water within the project.

THE OCD DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of Division Rule 19.15.26.8B NMAC and satisfactory information has been provided that affected parties as defined in said rule have been notified and no objections remain outstanding. The proposed wells are eligible for conversion to injection under the terms of that rule. The applicant has presented satisfactory evidence that all requirements prescribed in 19.15.26.8 NMAC have been met and the operator is in compliance with Rule 19.15.5.9 NMAC.

The proposed addition of an injection well into the above-referenced secondary recovery project, will prevent waste, is in the best interests of conservation, will not impair correlative rights, and should be approved.

IT IS THEREFORE ORDERED THAT:

Apache Corporation as operator, is hereby authorized to inject water into the following well for the purpose of secondary recovery through internally plastic-lined, 2.875-inch diameter tubing set into a packer.

API No.	Well	Footage N/S	Footage E/W	Approved Injection Interval (in ft): type ¹	Maximum Surface Injection Pressures
30-025-05737	North Monument G/SA Unit 008	1980 FNL	660 FEL	3830-3960 OH	766 psi

¹Type: perf indicated injection through perforated casing; OH is injection through open-hole.

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The above listed well is hereby approved for injection into the entire Statutorily Unitized interval as defined in Ordering Division Order R-9596; however, all future changes to the top or bottom of the above listed injection intervals shall be approved on Sundry forms only after verification by the Division's geologist that injection remains within the equivalent Unitized interval.

The operator shall set the injection packer no more than 100 feet above the shallowest perforation or the open hole for the permitted injection interval for this well. The operator shall be required to submit a written request for an exception if the distance between the packer and the uppermost perforation exceeds 100 feet.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected fluid enters only the approved injection interval and is not permitted to escape to other formations or onto the surface.

After installing tubing, the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge or an approved leak detection device in order to determine leakage in the casing, tubing, or packer. The casing shall be pressure tested from the surface to the packer setting depth to assure casing integrity.

The well shall pass an initial mechanical integrity test ("MIT") prior to initially commencing injection and prior to resuming injection each time any injection packer is unseated. All MIT testing procedures and schedules shall follow the requirements in Rule 19.15.26.11(A) NMAC. The OCD Director retains the right to require at any time wireline verification of completion and packer setting depths in this well.

The wellhead injection pressure on this well shall be limited as listed above. In addition, the injection well or header system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface tubing pressures to the maximum allowable pressures for this well.

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Subject to the limitations within the hearing order permitting this project, the OCD Director may authorize an increase in tubing pressure upon a proper showing by the operator that such higher pressure will not result in migration of the injected fluids from the approved injection interval. Such proper showing shall be demonstrated by sufficient evidence including but not limited to an acceptable Step-Rate Test.

The operator shall notify the appropriate Inspections Supervisor of the date and time of the installation of injection equipment and of any MIT test so that the same may be inspected and witnessed. The operator shall provide written notice of the date of commencement of injection on OCD Form C-103, submitted electronically through OCD E-Permitting and notice provided to the OCD Engineering email. The operator shall submit monthly reports of the injection operations on OCD Form C-115, in accordance with Rules 19.15.26.13 and 19.15.7.24 NMAC.

Without limitation on the duties of the operator as provided in Rules 19.15.29 and 19.15.30 NMAC, or otherwise, the operator shall immediately notify the appropriate Inspections Supervisor and OCD Engineering Bureau, by email, of any failure of the tubing, casing, or packer in the approved injection well, or of any leakage or release of water, oil or gas from around any produced or plugged and abandoned well in the area, and shall take such measures as may be timely and necessary to correct such failure or leakage.

The injection authority granted under this order is not transferable except upon OCD approval. The OCD may require the operator to demonstrate mechanical integrity of any injection well that will be transferred prior to approving transfer of authority to inject.


The OCD may revoke this injection permit after notice and hearing if the operator is in violation of Rule 19.15.5.9 NMAC.

PROVIDED FURTHER THAT, jurisdiction is retained by the OCD for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh or protectable waters or (2) consistent with the requirements in this order, whereupon the OCD may, with or without notice and hearing, terminate the disposal authority granted herein. The well shall be governed by all provisions of OCD Orders No. R-9596 and associated administrative orders.

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The injection authority granted herein shall terminate one (1) year after the effective date of this order if the operator has not commenced injection operations into the well, provided however, the OCD, upon written request by the operator received prior to the one-year deadline, may grant an extension thereof for good cause shown. Additionally, the injection authority granted in this order is subject to Rule 19.15.26.12 NMAC with regards to commencement, discontinuance, and abandonment of operations.

Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.



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Date: 2/7/2023

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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CONDITIONS

Action 197564

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 197564
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	3/15/2023