

State of New Mexico
Energy, Minerals and Natural Resources Department

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Oil Conservation Division



Administrative Order WFX-988
March 15, 2019

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Division Order R-2914 (as amended), Seely Oil Company (OGRID No. 20497) has made application to the Division for approval to add one additional injection well to its E-K Queen Unit (EKQU) Waterflood Project in the E-K; Yates-Seven Rivers-Queen Pool (Pool code 19950) in Lea County, New Mexico. This well is being proposed as an injection well into the Unitized interval, within the Queen formation of the EKQU.

THE DIVISION DIRECTOR FINDS THAT:

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

The proposed expansion of the above-referenced waterflood 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:

Seely Oil Co., as operator, is hereby authorized to inject water into the following well for the purpose of secondary recovery through plastic-lined tubing set into a packer:

API No.	Well	Unit	Sec	Twp	Rng	Footage N/S	Footage E/W
30-025-36368	E-K Queen Unit No. 111	J	13	18 S	33 E	1650' FSL	2160' FEL

The approved injection interval for this well is into the Queen formation from an approximate perforated depth of 4360 feet to a maximum perforated depth of 4367 feet.

The approved injection interval (Unitized Formation) for the well is the Queen formation *“in the interval from the top of the Queen Sand or Artesia Red Sand member as is picked at 4,352 feet on the Gamma Ray-Neutron Log in the Carper Drilling Company’s Carper-Sivley Well No. 9*

(API No. 30-025-01634), now designated the E-K Queen Unit Well No. 19, located 1980 feet from the South line and 1650 feet from the East line (Unit J) of Section 24, Township 18 South, Range 33 East, NMPM, Lea County New Mexico, 200 feet downward. All depths are included in the Queen formation of the Guadalupian Series, a part of the Permian System, insofar as the same lies within the Unit Area." [Source: Case No. 3255; Commissioner of Public Lands, State of New Mexico correspondence dated January 10, 2003 and titled "Re: Amendment to Unit Agreement, EK Queen Unit, Lea County, NM".]

The wellhead injection pressure on the well shall be limited to **no more than 872 psi**. In addition, the disposal well or system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface tubing pressure to the maximum allowable pressure for this well. The operator shall set the injection packer no more than 100 feet above the shallowest perforation for the permitted injection interval for the well in the application.

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 Division 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.

Subject to the limitations within the hearing order permitting this project, the Director of the Division may authorize an increase in tubing pressure upon a proper showing by the operator of said well 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 supervisor of the Division's District I office 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 to the District I office. The operator shall submit monthly reports of the disposal operations on Division 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 District I office 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 division approval. The division 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 Division may revoke this injection permit after notice and hearing if the operator is in violation of Rule 19.15.5.9 NMAC.

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.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division 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 Division may, after notice and hearing, terminate the disposal authority granted herein. The subject well shall be governed by all provisions of Division Order No. R-2914, as amended, and associated administrative orders.

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 subject well, provided however, the Division, upon written request by the operator received prior to the one-year deadline, may grant an extension thereof for good cause shown.



GABRIEL WADE
Director

GW/mam

cc: New Mexico Oil Conservation Division – Hobbs
Bureau of Land Management – Carlsbad
Well File – 30-025-36368
Case File No. 4746