

HOLLAND & HART LLP



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February 19, 2013

VIA HAND DELIVERY

Jami Bailey, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

RECEIVED OGD
2013 FEB 19 P 4:14

Case 14973

Re: Application of BTA Oil Producers, LLC, for authorization to inject produced water into the Delaware (upper Brushy Canyon) Formation underlying SE/4 of Section 2, Township 20 South, Range 33 East, Lea County.

Dear Ms. Bailey:

Enclosed please find the cover pages for a C-108 Application filed with the Division for administrative approval and reviewed by Will Jones. I understand a determination has been made by the Division that the nature of this application requires an Examiner hearing for approval. Accordingly, BTA respectfully requests that this matter be placed on the docket for the March 21, 2013, Examiner hearing. A proposed legal advertisement is included with this letter.

Sincerely,

Michael H. Feldewert

MHF

cc: William Jones

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CASE 14973

Application of BTA Oil Producers, LLC for authorization to inject produced water into the Delaware (upper Brushy Canyon) Formation underlying SE/4 of Section 2, Township 20 South, Range 33 East, Lea County. Applicant seeks an order approving the injection of produced water into the Delaware (upper Brushy Canyon) Formation at a depth of 6618 feet to 6648 feet, with a maximum surface pressure of 1320 psi and an average rate of 500 BWPD. Applicant seeks to utilize its existing 8705 JV-P Gem No. 3 well (API No. 30-025-30977) located 660 feet from the South line and 1980 feet from the East line of Section 2, T-20-S, R-33-E, NMPM. This area is located approximately 30 miles West of Hobbs, New Mexico.

APPLICATION FOR AUTHORIZATION TO INJECT

Case 14973

- I. PURPOSE: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ Yes ☐ No
- II. OPERATOR: BTA OIL PRODUCERS LLC
ADDRESS: 104 S Pecos, Midland, TX 79701
CONTACT PARTY: Pam Inskeep PHONE: 432-682-3753
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ Yes ☒ No
If yes, give the Division order number authorizing the project: _____
Note: This location is in a potash area
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
Well will be acidized with 1500 gal 15% HC NeFe.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
Well logs were filed with the Division with the original completion.
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Pam Inskeep TITLE: Regulatory Administrator
SIGNATURE: _____ DATE: 10/11/2012
E-MAIL ADDRESS: pinskeep@btaoil.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

OPERATOR: BTA OIL PRODUCERS LLCWELL NAME & NUMBER: 8705 JV-P Gem No. 3 WIWWELL LOCATION: 660' FSL & 1980' FEL, UL O, Sec. 2, T20S, R33E, Lea County, NM

FOOTAGE LOCATION

UNIT LETTER

SECTION

TOWNSHIP

RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 26" Casing Size: 20"Cemented with: 2100 sx. **or** ft³Top of Cement: surface Method Determined: circIntermediate CasingHole Size: 17-1/2" Casing Size: 13-3/8"Cemented with: 2200 sx. **or** ft³Top of Cement: surface Method Determined: circProduction CasingHole Size: 12-1/4" Casing Size: 9-5/8"Cemented with: 1600 sx. **or** ft³Top of Cement: surface Method Determined: circTotal Depth: 13700'Injection IntervalPropose 6618 feet to 6648 Perf

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEETTubing Size: 2-7/8" Lining Material: internally plastic-coatedType of Packer: Arrowset IIPacker Setting Depth: 6568'Other Type of Tubing/Casing Seal (if applicable): CIBP @ ±7700, cap w/40' cmt**Additional Data**

1. Is this a new well drilled for injection? _____ Yes X No

If no, for what purpose was the well originally drilled? Oil Producer, 1991; convert to disposal 2003

2. Name of the Injection Formation: Delaware (upper Brushy Canyon)

3. Name of Field or Pool (if applicable): SWD; Delaware

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. Yes, see Item 4 on

Attachment A

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

Yates 3300'; Bone Spring 9300'