

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey, Division Director
Oil Conservation Division



Administrative Order SWD-1482
June 10, 2014

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Pursuant to the provisions of Division Rule 19.15.26.8B, NMAC, BC & D Operating, Incorporated (the "operator") seeks an administrative order to re-enter and re-complete its West Jal B Deep Well No. 1 with a location of 1980 feet from the North line and 660 feet from the East line, Unit letter H of Section 17, Township 25 South, Range 36 East, NMPM, Lea County, New Mexico, for produced water, commercial disposal purposes. The subject well was previously approved for injection into the Silurian Fusselman formation under Administrative Order SWD-1328 approved April 20, 2012.

THE DIVISION DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of 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 have been received within the prescribed waiting period. 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 19.15.5.9 NMAC.

IT IS THEREFORE ORDERED THAT:

The applicant, BC & D Operating, Incorporated (OGRID 25670), is hereby authorized to utilize its West Jal B Deep Well No. 1 (API 30-025-25046) with a location of 1980 feet from the North line and 660 feet from the East line, Unit letter H of Section 17, Township 25 South, Range 36 East, NMPM, Lea County, for commercial disposal of oil field produced water (UIC Class II only) through perforations into an interval consisting of the Strawn, Atoka, Mississippian, Devonian, and Fusselman formations from 11708 feet to 16439 feet. Injection will occur through internally-coated, 4 1/2-inch or smaller tubing and a packer set within 100 feet of the permitted interval.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the disposed water enters only the approved disposal interval and is not permitted to escape to other formations or onto the surface. This includes the well construction proposed and described in the application with the following stipulations.

The operator shall squeeze cement the open perforations located from 11379 feet to

1220 South St. Francis Drive • Santa Fe, New Mexico 87505
Phone (505) 476-3440 • Fax (505) 476-3462 • email: www.emnrd.state.nm.us/ocd

OCD Case No. 16504

BC & D OPERATING

Exhibit #1

11399 feet that are located in the Wolfcamp formation. Accordingly, the packer set and tubing shall be lowered to be within 100 feet of the upper perforation 11708 feet.

The operator shall run a cement bond log following the cement squeeze of the perforations showing the cement placement for the 7 3/4-inch and 5-inch liners. The operator shall supply the Division's district I office with a copy prior to commencing injection.

The operator of this well shall run an injection survey (tracer/temperature or equivalent) of the injection interval within two (2) years after commencing disposal into this well. The operator will supply both the Division district I office and Santa Fe Bureau office with a copy of each survey log. If the Division does not receive of the log within the prescribed time period, then this disposal permit shall be terminated ipso facto.

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 disposal and prior to resuming disposal each time the disposal packer is unseated. All MIT procedures and schedules shall follow the requirements in Division Rule 19.15.26.11A. 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 the well shall be limited to **no more than 2342 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 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 disposed fluid from the target formation. 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 disposal equipment and of any MIT so that the same may be inspected and witnessed. The operator shall provide written notice of the date of commencement of disposal to the Division's district office. The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Division Rules 19.15.26.13 and 19.15.7.24 NMAC.

Without limitation on the duties of the operator as provided in Division Rules 19.15.29 and 19.15.30 NMAC, or otherwise, the operator shall immediately notify the Division's district I office of any failure of the tubing, casing or packer in the 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 19.15.5.9 NMAC.

The disposal authority granted herein shall terminate two (2) years after the effective date of this order if the operator has not commenced injection operations into the subject well. One year after the last date of reported disposal into this well, the Division shall consider the well abandoned, and the authority to dispose will terminate *ipso facto*. The Division, upon written request mailed by the operator prior to the termination date, may grant an extension thereof for good cause.

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.

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.


JAMI BAILEY
Director

JB/prg

cc: Oil Conservation Division – Hobbs District Office

Submit 1 Copy To Appropriate District
Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-25046
1. Type of Well: Oil Well ☐ Gas Well ☐ Other SWD HOBBS OCD		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator BC & D Operating, Inc.		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 302, Hobbs, NM 88241		7. Lease Name or Unit Agreement Name West Jal "B" Deep
4. Well Location Unit Letter <u>H</u> : <u>1980 feet</u> from the <u>North</u> line and <u>660'</u> feet from the <u>East</u> line Section <u>17</u> Township <u>25S</u> Range <u>36E</u> NMPM Lea County		8. Well Number <u>1</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>3150' RKB</u>		9. OGRID Number 025670
		10. Pool name or Wildcat <u>98119</u> SWD; Strawn/Atoka/Miss/Dev./Fuss

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐ Drill out CIBP @ 14,200', Add Perfs in Dev./Fuss.		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Propose to Drill out CIBP @ 14,200', Add Perfs in Dev./Fuss., Perfs will be determined by running CCL/GR/DIL log. Return well to active SWD Per SWD-1482 Administrative Order. This work is necessary to increase SWD capacity.

OCD Case No. 16504

BC & D OPERATING
Exhibit #2

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Donnie Hill

TITLE:

President

DATE: 10/31/2018

Type or print name: Donnie Hill E-mail address: dhill@wellconsultant.com PHONE: 575-390-7626

For State Use Only

APPROVED BY:

Mary Brown

TITLE

AO/I

DATE

11/1/2018

Conditions of Approval (if any):

Well No.: West Jai B Deep
Legals: Sec 17, T2S, R3E
SFL: 1,580' FHL 650' FEL
BML: 1,580' FHL 650' FEL
MRL: 18,945'
TVD: 18,945'

Operator: New Mexico, Inc.
State: New Mexico
County: Lea
APl: 30-025-25046
GU: 2,123'
KR: 2,151'
Date: 2/11/2014

Spud Date: 6/12/1975
Comp: 12/18/1975

Casing Details:

ID.	Weight	Grade	Depth
20"			757'
18-3/8"			5,159'
10-3/4"			11,259'
7-9/4"			10,917' - 14,685'
5"			14,932' - 18,930'

Perf Detail:

Pack	Perf
Hendburger (dry)	18,444' - 18,858'
Jay Fusselman, West (gas)	18,411' - 18,489'
Jay Alaka, West (gas)	12,435' - 12,702'
Jay Strawn, West (associated)	11,765' - 11,999'
Jay Wolfcamp, West	11,415' - 11,425' 602'
	11,275' - 11,599' 502'

Well Log Data:

- 20" Hole
- 18-3/8" Hole
- 10-3/4" Hole
- 7-9/4" Hole
- 5" Hole

Well Log Description:

11-6" 11.6 PPK IPE Top.

1% Baker Tacker Fluid

DV Tool at 7,564'

10-3/4" at 11,259', TOC 2,107'

Perfs 11,775' - 11,125' SQZ

Perfs 11,415' - 11,425' 602'

Howco PKR @ 11,621'

Perfs 11,705' - 12,625'

Perfs 12,415' - 12,702'

CSP 14,200' w/ 15' Cement

7-9/4" liner at 14,685', TOC 12,517'

Perfs 14,411' - 10,415'

CDP at 17,100' w/ 1 m cement

Perfs 18,444' - 18,815'

5" liner at 18,810', TOC 18,815'

TD at 18,945'

Well Log Data:

- Shiller 1,520'
- V/Sch 1,450'
- G/Sch 1,350'
- Vates 1,330'
- Oelkner 6,222'
- Donesprings
- Wolfcamp 11,045'
- Strawn 11,705'
- Alaka 12,702'
- Mia Line 14,546'
- Gordon 18,810'
- Fusselman 18,606'
- Eisenburger 18,444'
- Grassie 18,910'

Handwritten Notes:

1/7/2015

4 1/2" 11.6 #1/PK

IPE LT & C Inj & E

PKR @ 11,621'

PKR fluid circ

Following Drilout & Add Perfs

