

Case 14973

Jones, William V., EMNRD

From: Pam Inskip <Pinskeep@btaoil.com>
Sent: Thursday, February 28, 2013 3:03 PM
To: Jones, William V., EMNRD
Subject: Injection application from BTA Oil Producers, LLC: 8705 JV-P Gem #3 WIW 30-025-30977 Delaware proposed perms: 6618 to 6648
Attachments: BTA 8705 JV-P Gem #3 WIW Addl docs App to Inj Del.pdf

Will,

The referenced application is scheduled for hearing on March 21st. Michael Feldewert with Holland and Hart is our attorney.

Attached are 5 pages that are amendments and/or additions to our application, as submitted to you:

Pg 3 of the C108	Item 5, added additional tops
Pg 12 AOR Table	Updated with API #'s, amended well type for well #6
Pg 24 VIII Geologic Data	Item A, amended
Pg 27 Offset Operators	Added Nearburg, Endurance, updated certification
Pg 32 Notary Certification	Added for new notifications

Will these copies be sufficient to add/replace pages in the application, as submitted, or do I need to forward originals of each?

Also, one question you had regarding this application was:

Please ask your field people to look for any fresh water wells within 1 mile of this location – if they find one, get a sample of the water and send the analysis in with this application. If no wells are found let us know.

In the original submittal, we stated in Attachment XI that we are aware of no fresh water wells within one mile. Do I need to provide anything further, in reference to this.

Thank you, again, for your time and attention to this application.

INJECTION WELL DATA SHEET

Tubing Size: 2-7/8" Lining Material: internally plastic-coated

Type of Packer: Arrowset II

Packer 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 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'; Delaware Sand 5486'; Brushy Canyon 7743'; Bone Springs 7898'; Wolfcamp 11174'; Strawn 12234'

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 660' FSL & 1980' FEL
 Section 2, T20S, R33E
 Lea County, NM

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VI AOR Well Data

Well Name	Operator	Location	Type of Well	Spud Date	Comp Date	TD PBD	Comp Interval	Producing Formation	Casing Program			
									Casing	Depth	Amt Cmt	Circ
Gem 8705 JV-P #6H 30-025-31318	BTA Oil Producers LLC	1980' FSL & 1980' FWL 2039 FSL & 340' FEL BHL 2-20S-33E	Gas	8/5/1991	10/29/1991 Rec 12/26/2008	12908' MD 10178' TVD 12409' CIBP @ 12675'	10400 - 12392'	Bone Spring	20" 13-3/8" 8-5/8" 5-1/2"	1385 3116 5490 13640	2200 2200 1700 2600	Circ Circ 4090 Circ
Gem 8705 JV-P #6H 30-025-31318	BTA Oil Producers LLC	660' FSL & 810' FWL 2-20S-33E	Gas	6/5/1991	9/7/1991	10,340' 7,962'	6540 - 6560'	Delaware	20" 13-3/8" 8-5/8" 5-1/2"	1400 3100 5490 10340	2200 2100 1700 1500	Circ Circ 4130 5310
Gem 8705 JV-P #4 30-025-31209	BTA Oil Producers LLC	510' FSL & 1980' FWL 2-20S-33E	Oil	4/12/1991	6/1/1991	10,297' 10,205'	9367 - 9418' 6583 - 6591'	Delaware Bone Spring (commingled)	20" 13-3/8" 8-5/8" 5-1/2"	1370 3310 5550 10293	2100 2200 1700 1500	Circ Circ 4160 Circ
Gem 8705 JV-P #1 30-025-29916	BTA Oil Producers LLC	660' FNL & 1980' FEL 2-20S-33E	Oil	6/7/1987	1/1/1991	13,700' 10,230' RBP @ 6975'	6592 - 6599' 6312 - 6360'	Delaware Bone Spring (commingled)	20" 13-3/8" 8-5/8" 5-1/2"	1350 3085 4015 13700	2200 2150 640 3500	Circ Circ 4300 5800
Gem 8705 JV-P #5 30-025-31271	BTA Oil Producers LLC	660' FSL & 810' FWL 2-20S-33E	Oil	6/5/1991	8/27/1991 Rec 9/09/1999	10,340' 7,962'	6540 - 6550'	Delaware	20" 13-3/8" 8-5/8" 5-1/2"	1400 3100 5490 10340	2200 2100 1700 1500	Circ Circ 4130 5310
Smith Ranch Federal #2 30-025-31138	Three Rivers Op Co LLC	660' FNL & 1980' FWL 11-20S-33E	Oil	1/26/1991	11/8/1993 Rec 1/28/2008	9,746' 9,724'	6483 - 6590'	Delaware	13-3/8" 8-5/8" 5-1/2"	438 5279 9744	500 800 1350	Circ Circ 4500
State YS #1 30-025-23897	Aztec Oil & Gas	660' FSL & 1980' FWL 2-20S-33E	P&A	10/28/1971	11/12/1971	3,562'	3460-3562'	Seven Rivers	9-5/8" 7"	1396 3150	650 100	Surf* 2291*

* BTA Calculated

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VIII Geologic Data

Gem No. 3 WIW Geological Discussion Regarding Proposed Disposal Interval

A. Disposal Zone

Injection will be in the upper Brushy Canyon portion of the Delaware Mountain Group.

The Delaware Mountain Group has a total thickness in excess of 2,900 feet within this locality. It is comprised of alternating units of siltstone, sandstone, and limestone with minor units of shale. The proposed injection interval is a sandstone located in the upper portion of the Brushy Canyon member of the Delaware Mountain Group. This sandstone is the primary reservoir unit in the Teas Delaware Field which has produced 1.2 MMBO to date. However, in this wellbore, this zone is below the oil-water contact. The proposed injection should re-pressurize the reservoir and sweep additional oil to the existing producers.

The Delaware Mountain Group was deposited within a deep marine basin. The cleaner sandstone units represent submarine channel/fan sequences deposited down dip of the shelf margin under turbiditic conditions triggered by tectonic activity, gravity slumping or sea level changes. The siltstone, limestone and/or shale units represent the normal deposition that occurs within a marine basin between the catastrophic interruptions of turbiditic events.

B. Fresh Water Sources:

Ogallala Aquifer occurs between 200 and 300 feet from the surface.

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XIII Notice of Offset Operators Within ½ Mile

I hereby certify that BTA Oil Producers LLC holds 100% Working Interest in this well.

Surface Owner is the State of New Mexico

Offset Operator List

THREE RIVERS OPERATING COMPANY LLC
1122 S. Capital of Texas Hwy Suite 325
Austin, TX 78746

NEARBURG PRODUCING COMPANY
3300 N. A Street, Bldg 2, Suite 120
Midland, TX 79707

ENDURANCE RESOURCES LLC
15455 Dallas Parkway, Suite 600
Addison, TX 75234

I hereby certify that notification of BTA's application was mailed via certified mail to Three Rivers Operating on the 11th day of October, 2012.

In addition, I hereby certify that notification of BTA's application was mailed via certified mail to Nearburg Producing Co and Endurance Resources on the 28th day of February, 2013.



Pam Inskeep

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STATE OF TEXAS

COUNTY OF MIDLAND

BEFORE ME, the undersigned authority on this day personally appeared Pam Inskip, a Regulatory Administrator with BTA Oil Producers LLC, who being by me duly sworn, deposes and states that the persons listed on the foregoing attached list have been sent a copy on February 28, 2013, of the New Mexico Oil Conservation Division Form C-108 "Application for Authorization to Inject" for the 8705 JV-P Gem #3 WIW, located in Section 2, T20S, R33E, Lea County, New Mexico.

SUBSCRIBED AND SWORN TO before me on this 28th day of February, 2013, to certify which witness my hand and seal of office.



Lou S. Green
Notary Public, State of Texas

