

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

WELL API NO.
30-045-33619

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
FEDERAL

8. Well Number 100B

9. OGRID Number
233083

10. Pool name or Wildcat
BASIN DAKOTA / BLANCO MESA VERDE

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.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
BASIN MINERALS OPERATING CO.

3. Address of Operator C/O Walsh Engineering & Prod. Corp
7415 East Main Street, Farmington, NM 87402

4. Well Location

Unit Letter E : 2505' feet from the NORTH line and 660' feet from the West line

Section 27 Township 31N Range 11W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
5769' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type Depth to Groundwater Distance from nearest fresh water well Distance from nearest surface water

Pit Liner Thickness: mil Below-Grade Tank: Volume bbls; Construction Material

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: FRAC REPORT ☒

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

RCVD OCT20'06
OIL CONS. DIV
DIST. 3

On 10/10/06 the above well was fraced per the attached treatment reports.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Paul C. Thompson TITLE Engineer/ Owner DATE 10/18/06

Type or print name Paul C. Thompson, P.E. E-mail address: paul@walsheng.net Telephone No. 505-327-4892

For State Use Only

APPROVED BY: H. Villanueva TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE OCT 20 2006

Conditions of Approval (if any):

W

FRACTURE TREATMENT REPORT

Operator: Basin Minerals Operating Co. Well Name: Federal #100B
Date: 10-Oct-06
Field: Basin Dakota - Blanco Mesa Verde Location: 27/31N/11W County: San Juan State: NM
Stimulation Company: Superior / Blue Jet Supervisor: Paul Thompson

Stage #: 2/2 Mesa Verde

Sand on location: Design: 125,000# Weight ticket: Size/type: 20/40 Brady

Fluid on location : No. of Tanks: 8 Strap: Amount: 3200 Usable: 2,880

Perforations: Depth: 4504 - 4892 Total Holes: 38 PBTD: 5000'
Shots per foot: 1 spf selectfire EHD: 0.34" CIBP

Breakdown: Acid: 1000 gal of 15% HCl Formation broke at 1326 psi @ 3.5 BPM
Balls: 80 1.3 sp.gr, 7/8" Good ball action to 3300# but did not get a complete ball off.
Pressure: Rate: Recovered 79 balls

Stimulation: ATP: 1100 psi AIR: 78.5 BPM
MTP: 1830 psi MIR: 78.6 PM

	Sand Stage	Pressure	Rate
ISIP: 400	pad	1238	78.6
5 min: 0	0.5 ppg	1184	78.6
10 min:	1.0 ppg	1079	78.7
15 min:	1.5 ppg	1111	78.5
	2.0 ppg	1292	77.6

Job Complete at: 1715 hrs. Date: 10/10/2006 Start flow back:
Total Fluid Pumped: 2530
Total Sand Pumped: 125,000# Total Sand on Formation: 125,000#
Total Nitrogen Pumped:

Notes:

All frac fluid was 1% KCl and Aztec City water with 0.5 gal/1000 gal friction reducer. Well was on a vacuum after 3.5 minutes. SI well.

FRACTURE TREATMENT REPORT

Operator: Basin Minerals Operating Co. **Well Name:** Federal #100B
Date: 10-Oct-06
Field: Basin Dakota - Blanco Mesa Verde **Location:** 27/31N/11W **County:** San Juan **State:** NM
Stimulation Company: Superior / Blue Jet **Supervisor:** Paul Thompson

Stage #: 1/2 **Dakota**

Sand on location: **Design:** 140,000# & 10,000# **Weight ticket:** 265,300&10,300 **Size/type:** 20/40 Brady and SLC

Fluid on location : **No. of Tanks:** 14 **Strap:** 20 **Amount:** 5600 **Usable:** 5040

Perforations:
Depth: 6851 - 6877' @ 2 spf (52 holes) **Total Holes:** 76 **PBTD:** 6903' KB
6774 - 6835 @ 1 spf (24 holes)
Shots per foot: **EHD:** 0.34"

Breakdown:
Acid: See Report #7
Balls: None
Pressure: **Rate:**

Stimulation:
ATP: 2400 psi **AIR:** 39.2 BPM
MTP: 2575 psi **MIR:** 40 BPM

	Sand Stage	Pressure	Rate	BHTP
ISIP: 1720	pad	2432	39.5	3400
5 min: 1378	1 ppg	2531	39.5	4639
10 min: 1253	2 ppg	2537	39.4	4793
15 min: 1142	3 ppg	2568	39.2	4946
	4 ppg	1937	39.2	4398
	4 ppg	2115	40.0	4352

Job Complete at: 1225 **SLC hrs.** **Date:** 10/10/2006 **Start flow back:**

Total Fluid Pumped: 2193 bbls

Total Sand Pumped: 140,000# & 10,000# **Total Sand on Formation:** 150,000#

Total Nitrogen Pumped: None

Notes:

All frac fluid was 1% KCl and Aztec City water with biocide and 20#/1000gal gel with, borate crosslinker, surfactant, and ammonium persulfate breaker. The frac gradient based on the ISIP was 0.67 psi/ft Treating pressures started to drop near the end of the 3 ppg stage.