

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. <b>30-039-21513</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <b>JENNEY</b>
8. Well Number <b>#1M</b>
9. OGRID Number <b>234550</b>
10. Pool name or Wildcat <b>BASIN DK/BLANCO MV/WILDHORSE GP</b>

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  
**NOBLE ENERGY, INC.**

3. Address of Operator  
**5802 US HIGHWAY 64, FARMINGTON, NM 87401**

4. Well Location  
Unit Letter **P** **990** feet from the **SOUTH** line and **790** feet from the **EAST** line  
Section **13** Township **26N** Range **4W** **NMPM** **RIO ARRIBA** County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**7085'GR**

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type reserve \_\_\_\_\_ Depth to Groundwater **>100'** Distance from nearest fresh water well **>1000'** Distance from nearest surface water **>1000'**

Pit Liner Thickness: **12** mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material **reinforced polyethylene plastic**

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: **TRI-MINGLE PRODUCTION** ☒

SUBSEQUENT REPORT OF:

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

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

**Noble Energy**  
**Palma-Sanduan Inc.** proposes the downhole tri-mingle of the Basin Dakota (pool #71599) and Blanco Mesa Verde (pool #72319) and the Wild Horse Gallup (pool # 87360) in this wellbore. There are commingle approvals on the Basin Dakota/Blanco Mesa Verde and the Basin Dakota/Wild Horse Gallup. All of these pools are pre-approved under NMOCD Order #11563. This well will be tri-mingled upon approval from the NMOCD in the Fall of 2010.

Attachments

*only Record concerning  
Tri-mingle requires Form C-107A to Santa Fe  
Please apply to oil  
Engineering Bureau*  
**RECD OCT 12 '10**  
**OIL CONS. DIV.**  
**DIST. 3**

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 *[Signature]* TITLE Regulatory Compliance DATE 09/1/2010

Type or print name  
For State Use O

E-mail address:

Telephone No.

**DENIED**

APPROVED BY  
Conditions of Ap

BY: *S. Haggard*  
DATE: 10-19-10 (505) 334-6178

TLE \_\_\_\_\_ DATE \_\_\_\_\_

*W. my form and office of NAA OCD.*



To: Billie Maez, Farmington

From: Melanie Peterson and Brittany Rothe, Denver

Date: August 11, 2010

**Subject: Workover to commingle the Mesa Verde and Dakota zones (currently isolated) with the Gallup.**

**Jenney 1M**

Sec 13 T26N R4W, NW SE SE  
Rio Arriba County, NM  
Jicarilla Field

API#: 30-039-21513  
Gallup WI/NRI: 100% / 80%  
MV & DK WI/NRI: 25% / 20%

Current Production: 13 MCFD (GP)  
Target Production: 23 MCFD (MV) & 14 MCFD (DK)  
Success Probability: 75%

**Well History**

Consolidated Oil & Gas drilled the Jenney 1M as a Basin Dakota and Mesa Verde (Point Lookout Formation) producer from April through May of 1978. Completions were performed in November and December of the same year. Post-frac, the Dakota was tested with an initial production of 0.558 MMCFPD in February 1979. Post-frac, the Mesa Verde showed an AOF potential of 4.269 MMCFD with an initial production of 2.236 MMCFPD in January 1979. Cumulative production from the Dakota and Mesa Verde, respectively, is 0.407 BCF and 0.501 BCF to date.

In August 2004, after producing from the MV & DK for roughly 26 years, Patina Oil and Gas completed the Menefee formation. A plug was set at 5910' to protect the MV & DK. The Menefee had 18 holes shot between 5648'-5886' and was frac'd using a N-80 frac string with slickwater, 75,000# of 20/40 Ottawa sand, and 9,000# resin coated sand. The Menefee was shown to contribute a lot of water production and was squeezed on 11-10-04. The CIBP was drilled out at 5910' and the lower zones were returned to production.

In December 2005 the Gallup formation was perf'd from 7470-7482' with 2 SPF totaling 24 holes and 7558-7562' with 3 SPF and 12 holes. The formation was also frac'd using N-80 frac string with 66,000# 20/40 CRC sand, 1,063,890 SCF Nitrogen, and 21,607 gal 2% Carlsbad KCL.

The Gallup has been producing (with the Mesa Verde and Dakota isolated) since February 2006 and has accumulated roughly 0.02 BCF. Its current production is approximately 13 MCFD. The well also appears to not be producing any water, indicating that the plunger system is probably not operating.

The current recommendation is to commingle the Gallup production with the Mesa Verde (behind packer) and the Dakota (under plug).