

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. 30-045-32907 |
| 5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No. |
| 7. Lease Name or Unit Agreement Name Bonnie |
| 8. Well Number #1 |
| 9. OGRID Number 13931 |
| 10. Pool name or Wildcat Basin Fruitland Coal |

| | | | |
|---|----------------------|--|-------------------------------------|
| 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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other | | | |
| 2. Name of Operator Manana Gas Inc. | | | |
| 3. Address of Operator c/o Walsh Engineering 7415 East Main Street, Farmington, NM 87402 | | | |
| 4. Well Location Unit Letter I : 1884' feet from the South line and 761' feet from the East line Section 7 Township 30N Range 11W NMPM County San Juan | | | |
| | | 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5610' GR | |
| Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/> | | | |
| 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: ☒ FRAC Report

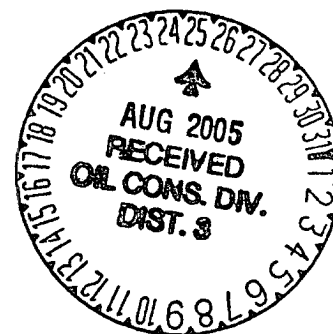
SUBSEQUENT REPORT OF:

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.

On 05/13/05 the above well was Fraced per 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 AGENT DATE 08/17/05

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: Chal R TITLE SUPERVISOR DISTRICT # 3 DATE AUG 25 2005
Conditions of Approval (if any):

FRACTURE TREATMENT REPORT

Operator: Manana Gas, Inc. Well Name: Bonnie #1
Date: 13-May-05
Field: Basin Fruitland Coal Location: 7/30N/11W County: San Juan State: NM
Stimulation Company: Halliburton Supervisor: Paul Thompson

Stage #: 1/1 Fruitland Coal

Sand on location: Design: 75,000# Weight ticket: 76,220# Size/type: 20/40 Brady

Fluid on location : No. of Tanks: 3 Strap: 20 Amount: 1200 Usable: 1080

Perforations:
Depth: 1950-60, 1940-46, 1813, 1804 Total Holes: 54 PBTD: 2132' KB
Shots per foot: 3 spf EHD: 0.34" Loggers

Breakdown:
Acid: None
Balls: None
Pressure: Rate:

Stimulation:
ATP: 2000 psi AIR: 20 BPM
MTP: 3500 psi MIR: 20.2 BPM

| | Sand Stage | Pressure | Rate | BHTP |
|------------------|------------|----------|------|------|
| ISIP: Screen Out | pad | 1657 | 20 | 2308 |
| 5 min: | 0.5 ppg | 1695 | 19.8 | 2413 |
| 10 min: | 1 ppg | 2040 | 19.9 | 2744 |
| 15 min: | 2 ppg | 2295 | 19.8 | 3169 |
| | 3 ppg | | | |
| | 4 ppg | | | |

Job Complete at: 1825 hrs. Date: 5/13/2005 Start flow back:
Total Fluid Pumped: 575.8 bbls
Total Sand Pumped: 15,072 Total Sand on Formation: 14,950
Total Nitrogen Pumped: NA

Notes:

All frac fluid was Aztec City water with 2% KCl and biocide and contained 20#/1000 gal guar gel, crosslinker, surfactant, enzyme and encapsulated breakers. All sand was coated with Sand Wedge. Lost the crosslinker chemical pump during the 2 ppg stage. Treating pressures increased rapidly. Flushed the wellbore with linear gel. Could not re-establish a rate into the perfs at less than 3500 psi. Bled pressure down to zero and SI the well.

FRACTURE TREATMENT REPORT

Operator: Manana Gas, Inc. Well Name: Bonnie #1
Date: 14-May-05
Field: Basin Fruitland Coal Location: 7/30N/11W County: San Juan State: NM
Stimulation Company: Halliburton Supervisor: Paul Thompson

Stage #: 1/1 Fruitland Coal

Sand on location: Design: 75,000# Weight ticket: 70,000# Size/type: 20/40 Brady

Fluid on location : No. of Tanks: 3 Strap: 20 Amount: 1200 Usable: 1080

Perforations: Depth: 1950-60, 1940-46, 1813, 1804 Total Holes: 54 PBTD: 2132' KB
Re-perforated
Shots per foot 3 spf EHD: 0.34" Loggers

Breakdown: Acid: None
Balls: None
Pressure: Rate:

Stimulation: ATP: 2900 psi AIR: 19 BPM
MTP: 3600 psi MIR: 25 BPM

| | Sand Stage | Pressure | Rate | BHTP |
|--------------|------------|----------|------|------|
| ISIP: 2800 | pad | 2362 | 18.3 | 3020 |
| 5 min: 2150 | 0.5 ppg | 2345 | 18.3 | 3038 |
| 10 min: 1773 | 1 ppg | 2537 | 19.6 | 3259 |
| 15 min: 1483 | 2 ppg | 2750 | 20.1 | |
| | 3 ppg | | | |
| | 4 ppg | | | |

Job Complete at: 1840 hrs. Date: 5/14/2005 Start flow back:

Total Fluid Pumped: 789.6 bbls

Total Sand Pumped: 12,000 Total Sand on Formation: 11,200#

Total Nitrogen Pumped: NA

Notes:

All frac fluid was Aztec City water with 2% KCl and biocide and contained 20#/1000 gal guar gel, crosslinker, surfactant, enzyme and encapsulated breakers. Treating pressures increased to 3100 psi during the pad then dropped to 2350 psi. Started sand at 0.5 ppg. Treating pressures started to increase as soon as the sand got to the formation. Pressure increased to 3600 psi during the 1 ppg stage. Pumped a total of 7,000# of 20/40 into the formation. Flushed the wellbore with linear gel the pressure dropped to 2500 psi. Started sand again at 1 ppg and pumped an additional 5,000# of sand. The treating pressures steadily increased to 3,500 psi. Shut down without trying to flush the wellbore.