

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. 30-045-23127
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-9707
7. Lease Name or Unit Agreement Name Bartlesville (007740)
8. Well Number 1
9. OGRID Number 014634
10. Pool name or Wildcat Basin Fruitland/WAW PC

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
Merrion Oil & Gas

3. Address of Operator
610 Reilly Ave, Farmington, NM 87401

4. Well Location

Unit Letter C : 790 feet from the north line and 1850 feet from the west line
Section 2 Township 26N Range 13W NMPM San Juan County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6046' 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: ☐

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.

Merrion Oil & Gas proposes to plug and abandon the subject wellbore according to the attached procedure.



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 _____ TITLE Production Engineer DATE 7/19/05

Type or print name Connie Dinning E-mail address: cdinning@merrion.bz Telephone No. 505.324.5326
For State Use Only

APPROVED BY: H. Villanueva TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 50 DATE JUL 21 2005
Conditions of Approval (if any):

PLUG AND ABANDONMENT PROCEDURE

May 26, 2005

Bartlesville #1

WAW Fruitland Pictured Cliffs
790' FNL & 1850' FEL Section 2, T26N, R13W
San Juan County, New Mexico, API #30-045-23127

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement is ASTM Type III, mixed at 14.8 ppg with a yield of 1.32 cf/sx.

1. Prepare blow pit. Comply with all NMOCD, BLM, and Merriam safety regulations. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and install cementing valve.
2. Open bradenhead valve. Establish rate down 2.875" casing with 20 bbls water, record pump rate and pressure. Monitor bradenhead for flow. If no flow or blow out the BH valve, then pump 10 - 7/8" RCN balls in additional water and monitor pressure and rate while pumping. Confirm that the perforations are taking water and there is not a casing leak. If the bradenhead flows water or there are other indications of a casing leak, then MO and RU pulling unit to use 1-1/4" IJ tubing workstring to plug the well.
3. **Plug #1 (Pictured Cliffs perforations, Fruitland and Kirtland tops, 1264' -115')**: Mix and pump 40 sxs Type III and bullhead the down 2.875" casing: first pump 10 sxs cement, then drop 5 RCN balls, then pump 30 sxs cement to fill the casing to the perforations, displace to 100' with water. Double valve the wellhead and shut in well. WOC. Tag cement with wireline.
4. **Plug #2 (7" Surface casing, 82' - Surface)**: Perforate 2 squeeze holes at 82'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 20 sxs Type III cement down the 2.875" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
5. ND cementing valves and cut off wellhead. Fill 2.875" casing with cement as necessary. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Bartlesville #1

Current

WAW Fruitland Pictured Cliffs / API #30-045-23127

790' FNL & 1850' FEL, Section 2, T-26-N, R-13-W, San Juan County, NM

Today's Date: 5/26/05

Spud: 8/30/78

Completed: 9/13/78

Elevation: 6046' Gt

8.75" hole

7", 23# Casing set @ 32'
Cement with 5 sxs (Circulated to Surface)

TOC @ 120' (CBL)

WELL HISTORY

Jun '96: Squeezed FIC perforations with 59 cf cement, DO and PT squeeze. Perforate PC zone. Frac'd well and CO w/N2O. Land tubing at 1249'.

Aug '96: Clean out well with N2O.

May '97: Change out pump.

May '02: Change out pump. Run coil tubing and tag at 1120'. clean out with soap. Suspect tubing problem, run rabbit to drift tubing. Change out tubing.

May '03: TOH and LD rods and tubing.

Fruitland Perforations:

1135' - 1144'

Squeeze perms with 59
cf cement (1996)

Pictured Cliffs Perforations:

1250' - 1264'

2.875" 6.4# Casing set @ 1348'
Cement with 150 sxs

Kirtland @ 165'

Fruitland @ 940'

Pictured Cliffs @ 1270'

5" Hole

TD 1350'
PBD 1288'

Bartlesville #1

Proposed P&A

WAW Fruitland Pictured Cliffs / API #30-045-23127

790' FNL & 1850' FEL, Section 2, T-26-N, R-13-W, San Juan County, NM

Today's Date: 5/26/05

Spud: 8/30/78

Completed: 9/13/78

Elevation: 6046' GI

8.75" hole

Kirtland @ 165'

Fruitland @ 940'

Pictured Cliffs @ 1270'

5" Hole

TD 1350'
PBTD 1288'

7", 23# Casing set @ 32'
Cement with 5 sxs (Circulated to Surface)

Plug #2: 82' - 0'
Type III cement, 20 sxs

Perforate @ 82'

TOC @ 120' (CBL)

Plug #1: 1264' - 115'
Type III cement, 40 sxs

Fruitland Perforations:
1138' - 1144'

Squeeze perms with 59
cf cement (1996)

Pictured Cliffs Perforations:
1250' - 1264'

2.875" 6.4# Casing set @ 1348'
Cement with 150 sxs