

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
30-045-27801

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name
Atlantic Fruitland 24 Com

1. Type of Well:
OIL WELL ☐ GAS WELL ☒ OTHER

2. Name of Operator
ARCO OIL AND GAS COMPANY

8. Well No.
2

3. Address of Operator
P. O. Box 1610, Midland, Texas 79702

9. Pool name or Wildcat
Basin-Fruitland Coal
Gas Pool

4. Well Location
Unit Letter L : 1750 Feet From The South Line and 790 Feet From The West Line
Section 24 Township 31N Range 10W NMPM San Juan County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
6737 GR

11. 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 ☐
OTHER: Change casing program ☒

SUBSEQUENT REPORT OF:
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT ☐
OTHER: DIST. 3 ☐

12. 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.

Propose to change the casing program from a cased hole completion to a open hole completion as follows:

Hole	Csg	Weight	Depth	Cmt
12 1/4	9 5/8	36	265	200 sx "B" cmt w/2%cc + 1/4 CF
8 3/4	7	23	3140	450 sx 65/35/6 B/POZ/Gel w/ 1/4 CF followed by 100 sx B neat.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Ken W. Gosnell TITLE Engr. Tech. DATE 7/6/90
TYPE OR PRINT NAME Ken W. Gosnell 915/688-5672 TELEPHONE NO.

(This space for State Use)

Original Signed by FRANK T. CHAVEZ

RECEIVED DISTRICT III

APPROVED BY _____ TITLE _____ DATE JUL 13 1990

CONDITIONS OF APPROVAL, IF ANY:

Drilling Discussion

Atlantic Fruitland Well: Generic Open Hole Completion

The planned casing program will be as follows:

- 9-5/8" @ 265' cemented to surface w/ 200 sx Cl "B" + 2% CaCl₂
- 7" @ 3140' cemented to surface w/ 500 sx 35/65 Cl "B" pozmix + 6% gel followed by 200 sx Cl "B" neat.

The well will be spudded with a 12-1/4" bit and drilled to 300' using a fresh water spud mud. After setting surface casing, the shoe will be drilled out with a 8-3/4" bit and the hole will be continued to the top of the Fruitland. A low solids, fresh water gel/polymer mud system will be utilized consisting of reserve pit make-up water. No hole problems or drilling difficulties are anticipated if the mud is properly maintained. A water loss of less than 20 cc is recommended to minimize hole heave from reactive shales. After setting 7" casing the drilling rig will be moved off the location and a specially equipped completion unit moved in prior to penetrating the Fruitland.

The 7" float shoe will be drilled out with a 6-1/4" bit and 4-3/4" DC's on 3-1/2" drill pipe circulating with FW and air. The well will be drilled to TD using air/mist as the circulating medium under a "controlled blowout" environment. A stripper head, two(2) blind rams and two(2) pipe rams will be utilized for well control and to divert the gas flow to a 7" blooie line where the gas will be flared. Due to "caving-in" and "fill-up" of coal and shale in the wellbore while flowing the Fruitland under balance stuck pipe can be a significant problem. The well will be flowed until a minimal amount of hole caving and fill-up is observed. After clean up, a snubbing unit will be rigged up and the 3-1/2" drill string snubbed out of the hole. A 2-7/8", 4.7#, J-55, EUE OE tbg string will then be snubbed into the well and the tree nipped-up to the wellhead.

It is anticipated that 5 days will be required to drill the well and an additional 10 days for completion operations.