

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-85

5a. Indicate Type of Lease  
State ☐ Fee ☒

5. 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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <u>WATER INJECTION</u>	7. Unit Agreement Name <u>EUMONT HARDY UNIT</u>
2. Name of Operator <u>Conoco Inc.</u>	8. Farm or Lease Name <u>EUMONT HARDY UNIT</u>
3. Address of Operator <u>P. O. Box 460, Hobbs, New Mexico 88240</u>	9. Well No. <u>40</u>
4. Location of Well UNIT LETTER <u>K</u> <u>2970</u> FEET FROM THE <u>NORTH</u> LINE AND <u>1980</u> FEET FROM THE <u>WEST</u> LINE, SECTION <u>6</u> TOWNSHIP <u>21-S</u> RANGE <u>37-E</u> NMPM.	10. Field and Pool, or Wildcat <u>EUMONT YATES 7 Rvrs</u>
15. Elevation (Show whether DF, RT, GR, etc.)	12. County <u>LEA</u>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPER. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <u>SURFACE WATERFLOW REPAIR</u> <input checked="" type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1708.

RECOMMENDED PROCEDURE: (REPLACES PROCEDURE APPROVED BY NMOC

1. MIRU. SI well.
2. Install BOP, POOH w/tubing and packer.
3. RIH w/5-1/2" packer and pick up 2-7/8" workstring, set packer @ 2800', load the back side w/TFW, and pressure the tubing-casing annulus to 1000 psi. Try to pump into production/intermediate casing annulus at 1500 psi. If rate of 1 BPM or higher is attained, run tracer survey down the tubing while injecting down the casing/casing annulus. If slug continues down, follow slug of at least 10 MCI at least to 1386' to determine the depth of the waterflow.

If a rate of less than 1 BPM is obtained, continue to pump fresh water for approximately 1 hr, or until 70 bbls have been pumped. This will dissolve a salt bridge in the event there is one.

If water cannot be pumped down annulus, go to step 6.

(OVER)

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

SIGNED Wm A. Butcher TITLE Administrative Supervisor DATE 10/17/83

APPROVED BY [Signature] TITLE DISTRICT 1 SUPERVISOR DATE OCT 20 1983

CONDITIONS OF APPROVAL IF ANY:

4. If fluid pumped past the casing shoe of the intermediate, rig up cementers and cement between the casings w/20 sxs Class 'C' w/18% salt mixed w/6.3 gals fresh water/sack.

8661 61 100  
Tail in w/202 sxs Class 'C' cement w/2%  $\text{CaCl}_2$  mixed w/6.3 gals fresh water/sack. Pressure and rate should be recorded during cementing and sent to the division office. (1000)

5. Displace cement slurry w/fresh water through the wellhead. Do not displace cement in the casings annulus. Close the intermediate casing valve SION. POOH w/workstring & packer.
6. If the casing annulus will not take water at a rate sufficient (3/4 BPM) to pump cement, the following should be done:
- A. POOH w/packer and workstring.
  - B. GIH w/perforating gun 4" centralized 90° phasing w/.44 EHD hollow carrier.
  - C. Perforate the following w/2 JSPF - 1396' & 1395'.
  - D. POOH w/perforating gun.
  - E. Check for water flow.
  - F. RIH w/RBP and retainer & set RBP @ 2800', test to 1500 psi and spot 2x sand on top, set retainer @ 1200'.
  - G. Circulate 202 sx Class 'H' cement w/2%  $\text{CaCl}_2$  mixed @ 16.4 lbs/gal through perfs.
  - H. Displace cement below ~~packer~~ <sup>retainer</sup> w/9 bbls TFW. Close csg valve after pumping 20 bbls and squeeze away. Flush wellhead with fresh water to clear valve.
  - I. Shut in for 30 min.
  - J. Pull out of retainer. Pull up 100' and reverse out 20 bbls TFW. Shut in for 24 hrs.
  - K. Sting back into retainer and see if squeeze holds to 600 psi. POOH w/tubing. Resqueeze if necessary.
  - L. GIH w/4-3/4" bit & workstring. Drill out cement and pressure test squeeze to 600 psi. POOH w/ bit and workstring.
  - M. RIH and retrieve RBP. POOH w/RBP & workstring.
7. RIH w/tubing and 5-1/2", 14# Baker AD-1 tension packer.
8. Circulate packer fluid down annulus, set packer @ +3430' and top off casing. Rig down (65 bbls).
9. Place well on injection.

