Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☑ other

2. NAME OF OPERATOR
CONOCO INC.

3. ADDRESS OF OPERATOR
P. O. Box 460, Hobbs, N.M. 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 990' FSL & 1830' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
CONTRACT 36

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
JICARILLA APACHE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
NORTHEAST HAYNES

9. WELL NO.
1E

10. FIELD OR WILDCAT NAME
BASIN DAKOTA

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 9, T-24N, R-5W

12. COUNTY OR PARISH 13. STATE
RIO ARRIBA NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐		☐
FRACTURE TREAT	☑		☐
SHOOT OR ACIDIZE	☑		☐
REPAIR WELL	☐		☐
PULL OR ALTER CASING	☐		☐
MULTIPLE COMPLETE	☐		☐
CHANGE ZONES	☐		☐
ABANDON*	☐		☐
(other) DOWNHOLE COMMINGLE	☑		

RECEIVED
NOV 14 1983
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PLEASE SEE ATTACHED PROCEDURE. AN APPLICATION FOR APPROVAL TO DOWNHOLE COMMINGLE WILL BE SUBMITTED TO THE NMOCD AT A LATER DATE.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED _____ TITLE Administrative Supervisor DATE 11/9/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL IF ANY:

*See Instructions on Reverse Side

NMOCD

NORTHEAST HAYNES NO. 1E

GALLUP RECOMPLETION

WELL DATA:

TD: 6910' PBTD: 6899' ELEV: 6531' ZERO: 14.5' AGL

LOCATION: 990' FSL & 1830' FEL of Section 9, T24N-R5W, Rio Arriba County, NM

CASING: 8-5/8", 24#, H-40, ST&C @ +378' w/378 sxs Class "B" neat (circ)
5-1/2", 15.5#, K-55, ST&C @ +6910' w/1st stage: 560 sxs 50-50 Pozmix and 254 sxs Class 'B' neat. 2nd stage: 1117 sxs 50-50 Pozmix and 100 sxs Class "B" neat. (TOC @ ±3475')

PERFORATIONS: Dakota 'J' Zone: 6742', 44', 56', 59', 61', 68', 71', 74', 77', 80', 83', 86', 89', 92', 95', 98', 6801', 04', 07', 58', 60', 62', 65', 67', and 6870' w/1 JSPF (25 holes)

TUBING: 2-3/8", K-55, 4.7# 8rd @ ±6808' w/SN @ ±6808'

RECOMMENDED PROCEDURE:

1. Rig up pulling unit and kill well w/2% KCL TFW, N.D. wellhead, and N.U. BOP.
   A. Tag for fill w/2-3/8" tbg.
   B. POOH w/2-3/8" tubing and tally.
   C. If fill is above +6870':
      1. GIH w/wireline and sand pump
      2. Clean out to ±6899' (PBTD)

2. Rig up wireline unit.
   A. GIH w/wireline and 5-1/2" Baker Model 'C' retrievable bridge plug.
   B. Set Model 'C' retrievable bridge plug @ ±6200'.
   C. Pressure test plug to 4000 psi.
   D. Drop 5' sand on top of bridge plug.
   E. GIH w/GR-CBL-CCL and log from ±6000' to ±4000. (If bond is questionable, run w/1000 psi on wellhead). If cement bond is good from ±5500' to ±5950' go to step 3, otherwise wait on squeeze procedure.

3. GIH w/2-3/8" tubing.
   A. Spot 336 gals (8 bbls) 7-1/2% HCl-NE-FE (inhibit acid for 48 hours at 115°F) acid from +5875' to ±5540'.
   B. POOH w/2-3/8" tubing.

4. GIH w/4" decentralized perforating gun (Premium Charges, 0° phasing, 0.40" EHD, 1 JSPF) collar locator and wireline.
   A. Perforate at ±5607', 13', 24', 28', 35', 38', 62', 78', 82', 86', 5700', 02', 12', 14', 84', 87', 95', 98', 5815', 18' (20 holes).
   B. POOH w/wireline, collar locator and 4" perforating gun.

NOTE: Perforate from top to bottom.

5. Breakdown the Gallup formation from ±5607' to ±5818' down 5-1/2" casing.
   A. Establish frac rate w/2% KCL TFW.
   B. Pump 2520 gals (60 bbls) 7-1/2% HCl-NE-FE and 25 lbs/1000 gals citric acid and clay stabilizer (inhibit acid for 48 hours at 155°F) at 8-10 bbls/min.
      1. Drop 1 ballsealer after every 2 bbls acid pumped (Total: 30 - 7/8" ballsealers, S.G = 1.1).
      2. Surge balls off and finish pumping flush.
   C. Overflush w/6090 gals (145 bbls) 2% KCL TFW w/1gal Adomall/1000 gals.

6. GIH w/wireline and junk basket and retrieve balls. If less than 14 holes appear open, contact engineering.

7. Frac procedure will follow after an evaluation of the effectiveness of the foam frac on the Northeast Haynes No. 3E is evaluated.

8. Leave well shut in for 2 or 3 hours and open well through 3/8" choke and allow well to clean up through 5-1/2" casing until well loads up.
   A. GIH w/1 jt 2-3/8" tubing, seating nipple, 2-3/8" tubing and set at ±5850'. (If fill is over perfs, clean out w/nitrogen to ±6200'.
   B. Rig down pulling unit, N.D. BOP, N.U. wellhead and rig up swab unit.
   C. Swab well to flow through test unit.

9. Shut well in for 7 day pressure buildup.

10. Rig up pulling unit, kill well w/2% KCL TFW, R.D. wellhead, and N.U. pBOP.
    A. Tag for fill and clean out w/nitrogen to top of retrievable bridge plug @ +6200'.
    B. POOH w/2-3/8" tubing.
    C. GIH w/mill tooth guide, Model 'H' washover retrieving head, and 2-3/8" tubing.
    D. Release 5-1/2" retrievable bridge plug @ ±6200'.
    E. POOH w/2-3/8" tubing, retrieving tool, 5-1/2" retrievable bridge plug and mill tooth guide.

11. GIH w/ 1 jt 2-3/8" tubing, seating nipple, and 2-3/8" tubing set @ ±6808'.
    A. Place well on production.