

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
LG-2020	

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 ☐ GAS WELL ☐ OTHER- Carbon Dioxide & Hydrocarbons		7. Unit Agreement Name
2. Name of Operator HNG FOSSIL FUELS COMPANY		8. Farm or Lease Name EXCEL
3. Address of Operator P. O. Box 1188, Houston, Texas - 77001		9. Well No. 1
4. Location of Well UNIT LETTER <u>F</u> , <u>1939</u> FEET FROM THE <u>North</u> LINE AND <u>3300</u> FEET FROM THE <u>East</u> LINE, SECTION <u>1</u> TOWNSHIP <u>31N</u> RANGE <u>32E</u> N.M.P.M.		10. Field and Pool, or Wildcat Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) 5125'GR, 5135'RKB		12. County Union

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 ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐	ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOBS ☒	OTHER <u>Perforate & Acidize - Test for CO₂</u> ☒

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 1103.

5/24/80 - TD 2475: M1 & R/U Standard Well Service - Ran SONAN Log and Temperature Survey Logs. SONAN Log indicated CO₂ entry was at 700' and 420', behind the 7" O.D. Casing. Temperature Survey confirmed entry from 420'.

5/27/80 - PBD 950': R/U "GO" & ran Gamma Ray correlation and Collar Log. Perforated from 1000' to 998' (GR) to cement behind 7" O.D. Casing. Cemented behind 7" O.D. casing with 300 sacks-Halliburton lite cement w/2% CaCl₂. Cement circulated to surface. Displaced cement to 950'.

5/28/80 - PBD 950': Perforated 7" O.D. Casing from 720'-688' (GR) 2 Jet shots per foot. WIH w/Halliburton's "RTTS" & set @ 677'.

5/29/80 - PBD 950': Spotted acid across perforation 688'-720' (GR). Broke down perforations w/500 psi. Acidized perms. w/2000 gals. of 15% NE HCl acid, Max. press. 1400 psi, Avg. press 800 psi, Avg rate 3 Bbls/min., swabbed well dry - Slight blow of CO₂

5/31/80 - PBD 950': Perforated 7" O.D. Csg. from 746' to 770' 2 Jet shots/ft. Acidized well w/2000 gals. of 15% NE HCl acid. Breakdown press. 750 psi but then tightened up

(over)

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

SIGNED Richard H. Finch TITLE Production Analyst DATE June 12, 1980

APPROVED BY Carl Ulvay TITLE SENIOR PETROLEUM GEOLOGIST DATE 6/18/80

CONDITIONS OF APPROVAL, IF ANY:

until rate was 1/4 BPM@ 1250 psi could not get last 250 gals. of acid into formation. Upper & lower zones had communication. Tied on to Csg. to push acid into upper zone, but could not get any rate-Holding 1250 psi. Reversed acid to pits.

6/03/80 -- PRTD 950': Well begin flowing CO₂ - Approximately 85 MCF/D (SIWHP=13psi.) Continue to flow well to pit to determine if it will produce commercial quantity of CO₂.