

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240DISTRICT II
P.O. Drawer DD, Artesia, NM 88210DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

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

WELL API NO.	30-025-30614
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	B-2317
7. Lease Name or Unit Agreement Name	M. E. Hale
8. Well No.	20
9. Pool name or Wildcat	Vacuum Grayburg/San Andres

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	2. Name of Operator Phillips Petroleum Company
3. Address of Operator 4001 Penbrook Street, Odessa, Texas 79762	4. Well Location Unit Letter <u>N</u> : <u>1225</u> Feet From The <u>South</u> Line and <u>2000</u> Feet From The <u>West</u> Line Section <u>35</u> Township <u>17-S</u> Range <u>34-E</u> NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 4018' GR 4027' RKB	

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: Perforate; acidize ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

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.

1. MI and RU DDU. Make certain well is dead before installing BOP. COOH with tubing. Have any scale noted on downhole equipment checked for acid solubility.
2. RIH with 5-1/2" gauge ring on sand line to check for casing collapse. If unable to reach PBTD, swedge casing to drift diameter (4.887")
3. Install lubricator and gate valve. MI to run Casing Inspection Log from PBTD to 2800'. Use Schlumberger's CNL/LDT/GR run on August 2, 1989 for GR correlation. RD HLS.

-over-

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

SIGNATURE L. M. Sanders TITLE Regulation & Proration Supervisor DATE 02-22-91
TYPE OR PRINT NAME L. M. SandersTELEPHONE NO. 915/368-1488

(This space for State Use)

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

4. GIH with 5-1/2" packer-type RBP, RTTS-type packer on tubing. Test to 3500 psi as going in hole. Set RBP at 4650'; PU and set packer at $\pm 4500'$. Swab well dry prior to acidizing.
5. MI and RU _____ to acidize San Andres perforations in 2 stages using a total of 6500 gallons 28% NEFE HCl with LST and fines suspension agent.

Acidize lower San Andres perforations 4587'-4632' (total 36 shots) with 2500 gallons 28% NEFE HCl acid containing LST and fines suspension agent. Test all surface lines to 3500 psi prior to pumping the job. Attempt to load annulus; monitor backside pressure during treatment.

6. Release packer and retrieve RBP. Reset RBP at 4470' and test to 1000 psi. PU and set packer at $\pm 4300'$. Open packer bypass to begin acid job on upper San Andres perforations 4387'-4438' (total 68 shots) with 4000 gallons 28% NEFE HCl acid with LST and fines suspension agent.
7. Flow and swab test well (total treatment volume = 185 bbls). Report swab volumes on DDR. Decision to proceed with written procedure pending swab results
8. Lower RBP to bottom and spot 10 bbls 10% acetic acid at 4590'. COOH with packer and tubing.
9. MI and RU _____ to perforate lowest San Andres interval. Install lubricator and pressure test to 2000 psi. GIH with 4" OD centralized casing gun loaded with premium deep penetrating DML charges at 2 SPF and spiral phasing.

Perforate the following interval:

4670' - 4680' 10 feet 20 shots

Casing collars at 4376.0', 4414.5', 4451.0', 4489.0', 4538.0', 4567.0', 4606.0', 4643.0', 4683.0', 4721.5' (from HLS CBL dated 8/11/89)

10. COOH with perforating gun, make certain well is dead and remove lubricator.
11. GIH with RTTS-type packer and tubing (with retrieving tool) testing to 3000 psi as going in hole. Set packer at 4650'.
12. Swab well to clean up lowest San Andres perforations. Report swab results on DDR. Decision to proceed with written procedure pending swab results.
13. Swab well dry prior to acidizing. MI and RU _____ to acidize lowest San Andres perforations (4670'-4680') with 1000 gallons 20% NEFE HCL acid containing LST and fines suspension agents. Test all surface lines to 3000 psi. Treat at 1 bpm rate (or less) monitoring backside pressure and maintaining pressure below 1000 psi as follows:
 - a. pump 1000 gallons acid
 - b. flush to perforations with 27 bbls fresh water
14. Swab test well and recover load (total = 51 bbls). Report swab results on DDR. Retrieve RBP and COOH with RBP, packer and tubing. Decision will be made for CIBP pending swab results
15. GIH with 4700' of 2-7/8", 6.5#, J-55 tubing. Set SN at $\pm 4700'$ and TAC at $\pm 4270'$ in 10,000# tension.
16. RIH with (bottom to top):
 - a. 1.5" insert pump
 - b. shear tool
 - c. 3100' 3/4" Grade KD rods
 - d. 1550' 7/8" Grade KD rods
17. Report production on DDR until production has stabilized. Drop from report. Job complete.
18. Test well at 2, 4 and 8 weeks after dropped from report. Well will revert to monthly well testing frequency.