

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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LAND OFFICE		
OPERATOR		

API No. 30-025-27295

5a. Indicate Type of Lease State ☒ Fee ☐	
5. State Oil & Gas Lease No. R-2862-3	
7. Unit Agreement Name East Vacuum Gb/SA Unit	
8. Farm or Lease Name East Vacuum Gb/SA Unit	
9. Well No. Tract 3373 001	
10. Field and Pool, or Wildcat Vacuum Gb/SA	
12. County Lea	

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.)

11. OIL WELL ☒ GAS WELL ☐ OTHER Injection

12. Name of Operator
Phillips Petroleum Company

13. Address of Operator
4001 Penbrook Street, Odessa, Texas 79762

14. Location of Well
UNIT LETTER K 1400 FEET FROM THE South LINE AND 2600 FEET FROM
THE West LINE, SECTION 33 TOWNSHIP 17-S RANGE 35 NMPM

15. Elevation (Show whether DF, RT, GR, etc.)
3943' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐ CHANGE PLANS ☐
OTHER ☐

SUBSEQUENT REPORT OF:

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

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.

Recommended procedure to cement squeeze lower San Andres interval to prevent loss of CO₂ injection:

MI & RU DDU. Remove wellhead equipment and install BOP's. Run SLM to determine PTD. Pull and lay down downhole equipment. If fill is above 4724', GIH with a bailer to clean out to that depth. RU Wireline to run a PIPE log from PTD to 4000'. GIH with 4" OD casing guns to perforate 2 JSPF on spiral phasing at the following depths:

4625'-4635' 10' 20 shots

GIH with a cement retainer on 2-7/8" workstring. Set retainer in good pipe between 4598' and 4620'. With retainer set, pump water down the tubing-casing annulus to catch the fluid level. Once the fluid level reaches surface, reduce rate to maintain a positive pressure at the surface.

See reverse side

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

SIGNED W. J. Mueller TITLE Engineering Supervisor, Resv. DATE 11/24/87

APPROVED BY ORIGINAL SIGNED BY JERRY SEXTON TITLE DISTRICT I SUPERVISOR DATE DEC 1 1987

CONDITIONS OF APPROVAL, IF ANY:

Pump water down the tubing to catch the fluid level and check communication. Once the fluid level reaches the surface, pump 50 sx of Thixset cement (or equivalent) at a pump pressure of 1500 psi or less, followed by 150 sx of Class C with 2% CaCl₂ and 1/2% fluid loss additive (100cc/30 min w/ thickening time of 2.5 hours; Dowell D-127 or equivalent). Hesitation squeeze the last 90 sx in three 30 sk squeezes.

Pull tubing out of the retainer and reverse circulate tubing clean. Cease pumping into the tubing-casing annulus once the tubing is clean. COOH with tubing. WOC overnight. Drill out GIH with 4-3/4" bit and drill collars on tubing. Drill out cement and retainer to 4724'. COOH w/ drill string. GIH with retrievable packer on tubing. Set packer at 4610'. Test squeeze to 1000 psi.

If test does not hold, repeat squeeze procedure. Acidize with 15% NEFe HCl containing a low temperature inhibitor as specified below.

GIH with packer and RBP on tubing. With packer and RBP set at the following depths, pump the recommended amount of acid.

Packer	Depth	RBP	Depth	Gallons of Acid
4495'	4533'	1900		
4450'	4485'	800		
		2700	Total	

Release packer and RBP. Reset RBP at 4700' and packer at 4430. Swab well back for one day.

COOH with packer and tubing. Lay down workstring. Pick up plastic lined tubing and injection packer. Rerun injection equipment as before. Fill tubing-casing annulus with inhibited brine and pressure test to 1000 psi. Notify NMOCD to witness. Once water injection has stabilized, the injection survey will be rerun.

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