

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

PERMIT TO DRILL OR TO DEEPEN OR TO PLUG BACK TO A DIFFERENT RESERVOIR
(Other for jobs on re-
venue lands)

0.35 8-16-91 gsr

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—" for such proposals.)

OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injector - NMOCD Order R-7900		5. LEASE DESIGNATION AND SERIAL NO. LC-028784-A
2. NAME OF OPERATOR Phillips Petroleum Company ✓		6. IF INDIAN ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 4001 Penbrook Street, Odessa, Texas 79762		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface Unit, K, 1980' FSL & 1980' FWL		8. FARM OR LEASE NAME Keely "A" Federal
14. PERMIT NO. 30-015-03071		9. WELL NO. #7
15. ELEVATIONS (Show whether DF, ST, OR, etc.) 3599' GL		10. FIELD AND POOL, OR WILDCAT GB-J-SR-Q-GB-SA
		11. SEC., T., R., N., OR S.E. AND SURVEY OR AREA Sec. 24, 17-S, 29-E
		12. COUNTY OR PARISH Eddy
		13. STATE NM

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) Add Perfs, scale conversion x		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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.)

Acidize, and biocide Return to injection."

1. MI RU DDU.
2. Install BOP. COOH with 2269' of 2-3/8", J-55, injection tubing and 7" Brown Oil Tool Packer set at 2269'.
3. RIH with 6-1/4" bit and scraper on 2-3/8", 4.7#, N-80 workstring to +/- 2700'. COOH. RIH with 3-7/8" bit and scraper on 2-3/8" workstring. Clean out to +/- 3569'.
4. MI RU Halliburton to perforate the following zones through 7" and 4-1/2" csg. with 3-1/2" perforating gun and 1/2" GSC charges, 1 JSPF, at the following depths (Note: correlate perforating depths to McCullough's GR log dated 10-10-86):

Keely and Sub-Keely
3388', 3389', 3459', 3466', 3538', 3545'

(OVER)

18. I hereby certify that the foregoing is true and correct		DATE 8-16-91	
SIGNED <i>[Signature]</i>	TITLE Supervisor Reg. Proration		
(This space for Federal or State office use)			
APPROVED BY <i>[Signature]</i>	TITLE	DATE 9/16/91	
CONDITIONS OF APPROVAL, IF ANY:			

Subject to
Like Approval
by State

*See Instructions on Reverse Side

San Andres

3263', 3265', 3284', 3285'

Jackson

2841', 2844', 2847', 2876'-80' (5 shots), 2888-2904 (17 shots) 2930', 2931'

Metex

2470'-76' (7 shots)

Total Shots = 44

5. GIH with 4-1/2" RTTS type packer on 2-3/8" workstring. Test to 5000 psi while GIH.
6. Hot water San Andres (3068'-3285'), Keely and Sub-Keely (3312'-3545') zones with 400 gals hot 2% KCl water with 4 gals Tretolite PD-77 paraffin dispersant.
7. Pump 300 gals of SP-398 (Tretolite calcium sulfate scale converter) mixed with 100 gals fresh H2O. Spot mixture over pay intervals.
8. Set packer @ +/- 3000.
9. Swab Back Load.
10. Unseat packer. Move downhole. Set packer @ +/- 3300.
11. RU Acid Engineering to acidize the Keely and Sub-Keely (3312'-3545') using 2000 gals gelled Pentol 200 (20% HCl) with 480 lbs rock salt in 480 gals of 9# brine.
13. GIH to TD (3569'). Spot 10 gals Tretolite's XC-320 mixed with 200 gals produced water across interval from 3569" to 3312'. SI for 4 hours.
15. COOH with 2-3/8" workstring and packer. RIH with 4-1/2" RBP, and 4-1/2" RTTS type packer on 2-3/8" workstring.
16. Set RBP @ +/- 3305'. Set packer @ +/- 3295'. Pressure up to 500 psi. Release packer pull uphole and reset packer @ +/- 3000.
17. RU Acid Engineering to acidize the Lower San Sandres (3068'-3285') using 1800 gals gelled Pentol 200 (20% HCl) with 420 lbs rock salt in 420 gals of 9# brine.
18. GIH to +/- 3285. Spot 10 gals Tretolit's XC-320 mixed with 150 gals produced water across interval from 3285' to 3068'. SI for 4 hours. Swab back load.
19. Retrieve RBP. Pull up hole. Set RBP @ +/- 3000'. Set packer @ +/- 2990. Pressure up to 500 psi. Release packer.
20. Hot water Lovington (2647'-2732') and Jackson (2818'-2960') zones with 300 gals Hot 2% KCl water with 3 gals Tretolite PD-77 paraffin dispersant. Spot over pay intervals.
21. Pump 225 gals of SP-398 (Tretolite calcium sulfate scale converter) mixed with 75 gals fresh H2O. Spot mixture over pay intervals.

22. COOH with 2-3/8" workstring and 4-1/2" packer.
23. GIH with 7" RTTS type packer on 2-3/8" workstring.
24. Set packer @ +/- 2630'.
25. RU Acid Engineering to acidize the Lovington (2647'-2732') and Jackson (2818'-2960') zones using 4000 gals gelled Pentol 200 (15% HCl) with 1200 lbs rock salt in 1200 gals of 9# brine. Swab back load.
26. COOH with 2-3/8" workstring and 7" packer.
27. GIH with retrieving tool on 2-3/8" workstring.
28. GIH +/- 2990. Spot 10 gals Tretolite's XC-320 mixed with 290 gals produced water across interval from 2990' to 2647'. SI for 4 Hours. Swab back load plus 50 Bbls.
29. Move downhole and retrieve 4-1/2" RBP @ 3000'. COOH with 2-3/8" workstring and RBP.
30. RIH with 7" RBP and 7" RTTS type packer on 2-3/8" workstring. Set RBP @ +/- 2620'. Set packer @ +/- 2610' and pressure up to 500 psi. Release packer.
31. Hot water Loco Hills (2316'-2350'), Metex (2389'-2517'), and Premier (2566'-2597') zones with 500 gals hot 2% KCl water with 5 gals Tretolite PD-77 paraffin dispersant. Spot mixture over pay intervals. Let mixture soak for 1 hr. Swab back load plus 50 Bbls.
32. Pump 375 gals of SP-398 (Tretolite calcium sulfate scale converter) mixed with 125 gals fresh H2O. Spot mixture over pay intervals. SI for 24 hrs. Swab back Load.
33. Set packer @ +/- 2300.
34. RU Acid Engineering to acidize the Loco Hills (2316'-2350'), Metex (2389'-2517'), and Premier (2566'-2597') using 4000 gals gelled Pentol 200 (15% HCl) with 1200 rock salt in 1200 gals of 9# brine.
35. GIH to +/- 2597'. Spot 10 gals Tretolite's XC-320 mixed with 480 gals produced water across interval from 2597' to 2316'. SI for 4 hours. Swab back load plus 50 Bbls.
36. Unseat packer. Move downhole and retrieve RBP set @ 2620'.
37. COOH with 2-3/8" workstring, 7" packer, and 7" RBP.
38. GIH with 7" Baker Loc-Set Packer (or equivalent) and 2-3/8", EUE, 4.7#, J-55 injection tubing. Set packer @ +/- 2280'. Install Injection Filter on lead line to injection well.
39. Return well to injection.

