C15F Dpt

Submit 3 Copies to Appropriate District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

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

RECEIVED
APR - 6 1992
O. C. D.
ARTESIA, OFFICE

WELL API NO.
30-015-26732

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No.
E-10083

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.)

7. Lease Name or Unit Agreement Name
Royal A

1. Type of Well:
OIL WELL [ ] GAS WELL [X] OTHER

2. Name of Operator
Phillips Petroleum Company

8. Well No.
2

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

9. Pool name or Wildcat
Undesignated (Morrow)

4. Well Location
Unit Letter H : 1980 Feet From The N Line and 660 Feet From The E Line

Section 16 Township 20-S Range 25-E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3451' GL; 3463' KB

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[ ]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[ ]
PULL OR ALTER CASING	[ ]			CASING TEST AND CEMENT JOB	[ ]		
OTHER: Complete as a gas well in Morrow	[X]			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 & RU DDU.
2. Load 2-7/8" production tubing with 2% KCl water to kill well.
3. ND wellhead assembly to the 7-1/16" 5000 psi tubing head flange.
4. Install 7-1/16" 5000 psi annular preventer on top of BOP. Close pipe rams and pressure test annular preventer/BOP connection to 3500 psi for 15 minutes.
5. COOH laying down the 2-7/8" production tubing.

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

SIGNATURE [signature] TITLE Supervisor Reg/Proration DATE 3/31/92

TYPE OR PRINT NAME L. M. Sanders TELEPHONE NO. 368-1488

(This space for State Use) ORIGINAL SIGNED BY MIKE WILLIAMS SUPERVISOR, DISTRICT II

APPROVED BY _____ TITLE _____ DATE APR 2 7 1992

CONDITIONS OF APPROVAL, IF ANY:

6. PU and GIH with EZ Drill SV Squeeze Packer and EZ Drill LTD Setting Tool on 2-7/8" workstring. Circulate 60 bbls of 2% KCl water containing 1 gal/1000 gal NE agent to ensure tubing and retainer are free of any obstructions. Set retainer at ±9400'. PU tubing to slide sliding sleeve into blank of retainer and test tubing to 3000 psi. Attempt to load backside. Monitor backside during squeeze procedure. Prior to squeeze, perform the following injection rate surveys:

   a. Sting into retainer at ±9400' and establish an injection rate profile for the Morrow by pumping 2% KCl containing 1 gal/1000 gals NE agent at 1/8, 1/4, 3/8, 1/2 BPM, etc.

   b. PU tubing out of retainer and land EOT at ±8900'. Repeat injection rate profile for Atoka by pumping 2% KCl containing 1 gal/1000 gals NE agent at 1/8, 1/4, 3/8, 1/2 BPM, etc. Record the associated pressures.

   c. RBIH with tubing to retainer at ±9400'. Squeeze injection rate for each reservoir will be determined from injection rate profiles.

7. Squeeze Morrow (9458'-9490') and Atoka (8992'-9000') perfs down 2-7/8" workstring with Micro Matrix Cement as follows:

   a. Test all surface lines to 3000 psi.
   b. Squeeze 1: Mix and pump 200 sxs of micromatrix cement (7689' of cement inside tubing) at 3 BPM to within 5 bbls (1009') of retainer.
   c. Sting into retainer and pump at the established rate from step 6 (a).
   d. After 16 bbls of slurry (84 sxs) has been pumped, close backside and attempt to squeeze 7 bbls slurry (37 sxs) into channel with surface pressure not to exceed 1350 psi.
   e. Pull out of retainer and leave 10' (approx. 1 sk) on top of EZ Drill SV. PU tubing to ±8975' and reverse cement back into tubing.
   f. Squeeze 2: Lower tubing to ±9100' and spot a balanced plug with the remaining 79 sxs of micromatrix containing 1% CFR-3, 1% Halad-344 and 0.05 gals of FDP-C475 from ±9100' up to ±8467'. PU to 7000' and reverse tubing clean. Close off backside and squeeze cement into Atoka perfs (8992'-9000') by pumping down tubing at the established rate of step 6 (b). Leave 50' (1.2 bbls) of cement above perfs.
   g. Leave pressure on tubing and shut well in for a minimum of 48 hours before drilling out.

8. COOH with WS and EZ Drill LTD Setting tool. GIH with 4-1/2" bit, drill collars on 2-7/8" workstring and drill through cement around the Atoka perfs. Close pipe rams and pressure test Atoka perfs to 1000 psi for 30 minutes. Drill out retainer and tag PBTD @ ±9585'.

9. Close pipe rams and pressure test casing to 800 psi for 30 minutes to ensure Morrow perfs are squeezed off.

10. COOH laying down 2-7/8" workstring and drill assembly. PU and GIH with retrievable production packer and 2-7/8" production string. Test tubing to 5000 psi while GIH. Circulate tubing-casing annulus with 147 bbls of 2% KCl water mixed with one drum of Tretolite's KW-170 packer fluid. Set packer at ±9400' and place packer in 14,000 lbs compression.

11. Monitor 500 psi on backside. Swab down fluid level in 2-7/8" tubing to ±6500'. ND BOP and install 2-7/8" 5000 psi tree.

12. Install a flare line from the wellhead to the flare pit.

13. GIH with 2-1/8" Dyna Strip with gamma gun. Strip charges to be loaded 4 JSPF.

14. Perforate the Morrow through the 5-1/2" casing at the following depths:

9458'-9460'	9 shots
9464'-9468'	17 shots
9470'-9483'	53 shots
9486'-9490'	17 shots
TOTAL	96 shots

15. Flow well to clean up with an adjustable choke.

16. Treat the Morrow through perforations 9458'-9490' down 2-7/8" tubing with 2500 gallons 7-1/2% NEFe HCl.

17. Flow well to the flare pit to clean up. Shut-in well.

18. Conduct 4-Point Test.