

**UNITED STATES GEOLOGICAL SURVEY**  
**DEPARTMENT OF THE INTERIOR**  
**PERMIT IN TRIPLICATE\***  
(Other Instructions on Reverse Side)

Form approved.  
Budget Bureau No. 42-R1424  
LEASE DESIGNATION AND SERIAL NO.

**NM 0487738**

**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.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR <b>Yates Petroleum Corporation</b>		8. FARM OR LEASE NAME <b>Federal AB Com</b>
3. ADDRESS OF OPERATOR <b>207 S. 4th Street - Artesia, NM 88201</b>		9. WELL NO. <b>2</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <b>660/S 1980/E Sec 5-18S-25E</b>		10. FIELD AND POOL, OR WELLCAT <b>Eagle Creek Permo Penn</b>
14. PERMIT NO.		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA <b>Unit 0 Sec 5-18S-25E</b>
15. ELEVATIONS (Show whether DT, BG, GR, etc.) <b>3605KB</b>		12. COUNTY OR PARISH    13. STATE <b>Eddy                      NM</b>

**RECEIVED**  
**JAN 8 1979**  
**O. C. C.**  
**ARTESIA, OFFICE**

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) <b>Downhole Commingled</b> <input checked="" type="checkbox"/>	

(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.)\*

The Eagle Creek Permo Penn (pfs 6447-6632) is now commingled with the Richard Knob Atoka Morrow (pfs 8212-8390). There are three packers with standing valves at 8362, 8310 and 8179, and 2-3/8" tbg is set in a fourth packer @ 6398. Remaining reserves have been determined for each pool and we propose to allocate future production as follows:

Richard Knob Atoka-Morrow: gas - 74%, condensate - 43%.  
 Eagle Creek Permo-Penn: gas - 26%, condensate - 57%.

Attached are diagrammatic sketches of downhole completion, production history curves, reserves calculations, and Electric Logs.

Downhole commingling permit NMOCC order **R4566**.  
**5460**

18. I hereby certify that the foregoing is true and correct

SIGNED Eddie M. Mahfood TITLE Engineer DATE 1-4-79

(This space for Federal or State office use)

APPROVED BY Jac. J. Lara TITLE ACTING DISTRICT ENGINEER DATE JAN 4 1979

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side