

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED  
MAY 15 1981  
(Other instructions on reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR  
 BOX 1400  
 WYVERTON, WYOMING 82501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
 660.0' FNL, 611.7' FEL NE/4 NE/4 Section 19  
 At proposed prod. zone  
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 3.5 miles south from Powder Wash, Colorado

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 611.7'

16. NO. OF ACRES IN LEASE 640

17. NO. OF ACRES ASSIGNED TO THIS WELL ~~40~~ 160

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2400'

19. PROPOSED DEPTH 8200'

20. ROTARY OR CABLE TOOLS  
 Rotary to TD

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 ungraded ground 7100'

22. APPROX. DATE WORK WILL START\*  
 When approved

5. LEASE DESIGNATION AND SERIAL NO.  
 C-13234

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Powder Wash Amoco Federal

9. WELL NO.  
 1-19

10. FIELD AND POOL, OR WILDCAT  
 South Powder Wash-Ft. Union

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec 19-T11N-R97W

12. COUNTY OR PARISH Moffat  13. STATE  
 Colorado

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3#	500'	500 sx CL-G to surface
8-3/4"	5-1/2"	20#	8200'	1000 sx CL-G 250' above Ft. Union

Propose to develop Ft. Union reserves on the south end of the field.

- Schedules and Exhibits Attached
- Exhibit I - Location and Elevations
  - Schedule A-10 Point Compliance Program
  - Exhibit BOP-3000 Preventor Program
  - Casinghead Diagram
  - Schedule B-Multi-Point Reg. Program
  - Exhibit II-Road Map to Location
  - Exhibit III-Radius of Road & Access Road
  - Exhibit IV-Production Facility
  - Exhibit V-Cross Section
  - Exhibit VI-Drilling Rig Layout
  - Exhibit VII-Frac Facility Layout

IN ACCORDANCE WITH NTLM REGULATIONS ACCEPTANCE OR APPROVAL HEREBY GRANTS THE AUTHORITY TO FLARE AND OR VENT GAS AS REQUIRED DURING DRILLING AND COMPLETION OPERATIONS.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Original Signed By K. A. HUFF TITLE Dist. Adm. Supvr. DATE May 4, 1981

(This space for Federal or State office use)

PERMIT NO. 81 828 APPROVAL DATE Exp. DIRECTOR O & G Cons. Comm. DATE SEP 16 1981

APPROVED BY [Signature] TITLE O & G Cons. Comm. DATE MAY 19 1981

CONDITIONS OF APPROVAL, IF ANY:



\*See Instructions On Reverse Side

A.P.I. NUMBER  
 05 081 6464

RECEIVED  
SUBMIT IN TRIPPLICATE\*  
(Other instructions on reverse side)  
AUG 14 1981

Form approved.  
Budget Bureau No. 42-R1425.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
OIL & GAS CONS. COMM.



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DVR
FJP
HHM
JAM
JJD
RLB
CEM

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PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY Original Signed - Scott L. Ellis TITLE for JOHN L. PRICE DATE 8/12/81  
District Supervisor

State O x G

\*See Instructions On Reverse Side