

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		
2. NAME OF OPERATOR Amoco Production Company		
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, NM 87401		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1650' FNL x 990' FWL At proposed prod. zone same		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 2-1/2 miles east of Lindrith		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE 320	17. NO. OF ACRES ASSIGNED TO THIS WELL 40/40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None	19. PROPOSED DEPTH 8200	20. ROTARY OR CABLE TOOLS Rotary

5. LEASE DESIGNATION AND SERIAL NO. NM-40640
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Amoco Federal Oso Canyon
9. WELL NO. 1
10. FIELD AND POOL, OR WILDCAT Wildcat Gallup/Wildcat Dakota
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA E SW/NW Sect. 24, T24N, R2W
12. COUNTY OR PARISH Rio Arriba
13. STATE NM

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7445' GR	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "PROPOSED REQUIREMENTS AND CEMENTING PROGRAM"	22. APPROX. DATE WORK WILL START* as soon as permitted This action is subject to administrative appeal pursuant to 30 CFR 290.		
23. QUANTITY OF CEMENT				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#, K-40	300'	* 354 ft <sup>3</sup> Class B w/2% CaCl <sub>2</sub>
7-7/8"	5-1/2"	15.5#, K-55	8200'	* 1st stage: 616 ft <sup>3</sup> Class 8 50/50 poz w/6% gel; tail in w/177 ft <sup>3</sup> Class B Neat. 2nd stage: 1221 ft <sup>3</sup> Class B 65:35 poz w/6% gel; tail in w/118 ft <sup>3</sup> Class B Neat.

Amoco proposes to drill the above well to further develop the Gallup/Dakota formations. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids nondispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion the well site will be cleaned and the reserve pit filled and leveled. The gas from this well is not dedicated at this time.

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 prevention program, if any.

24. Original Signed By SIGNED <u>B. D. Shaw</u> TITLE <u>Administrative Supervisor</u> DATE <u>4-5-84</u>	
(This space for Federal or State office use)	
PERMIT NO. _____	APPROVAL DATE _____
APPROVED BY _____	TITLE _____
CONDITIONS OF APPROVAL: _____	
MAY 01 1984	
OIL CON. DIV. NMOCC	
DIST. 3 *See Instructions On Reverse Side	
APPROVED AS AMENDED	
M. MILLENBACH AREA MANAGER	

All distances must be from the outer boundaries of the Section.

Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>AMOCO-FEDERAL-OSO CANYON</b>		Well No. <b>1</b>
Unit Letter <b>E</b>	Section <b>24</b>	Township <b>24N</b>	Range <b>2W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>1650</b> feet from the <b>North</b> line and <b>990</b> feet from the <b>West</b> line					
Ground Level Elev: <b>7445</b>	Producing Formation <b>Dakota-Gallup</b>		Pool <b>Wildcat Dakota/Wildcat Gallup</b>		Dedicated Acreage: <b>40/40</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Section 24

990'

1650'

Sec. 24

RECEIVED  
APR 09 1984  
LAND SURVEYING  
DIVISION

RECEIVED  
MAY 01 1984  
OIL CON. DIV.  
DIST. 3

CERTIFICATION

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

Original Signed By

Name **B. D. Shaw**  
B. D. Shaw

Position  
Administrative Supervisor

Company  
Amoco Production Company

Date  
4-5-84

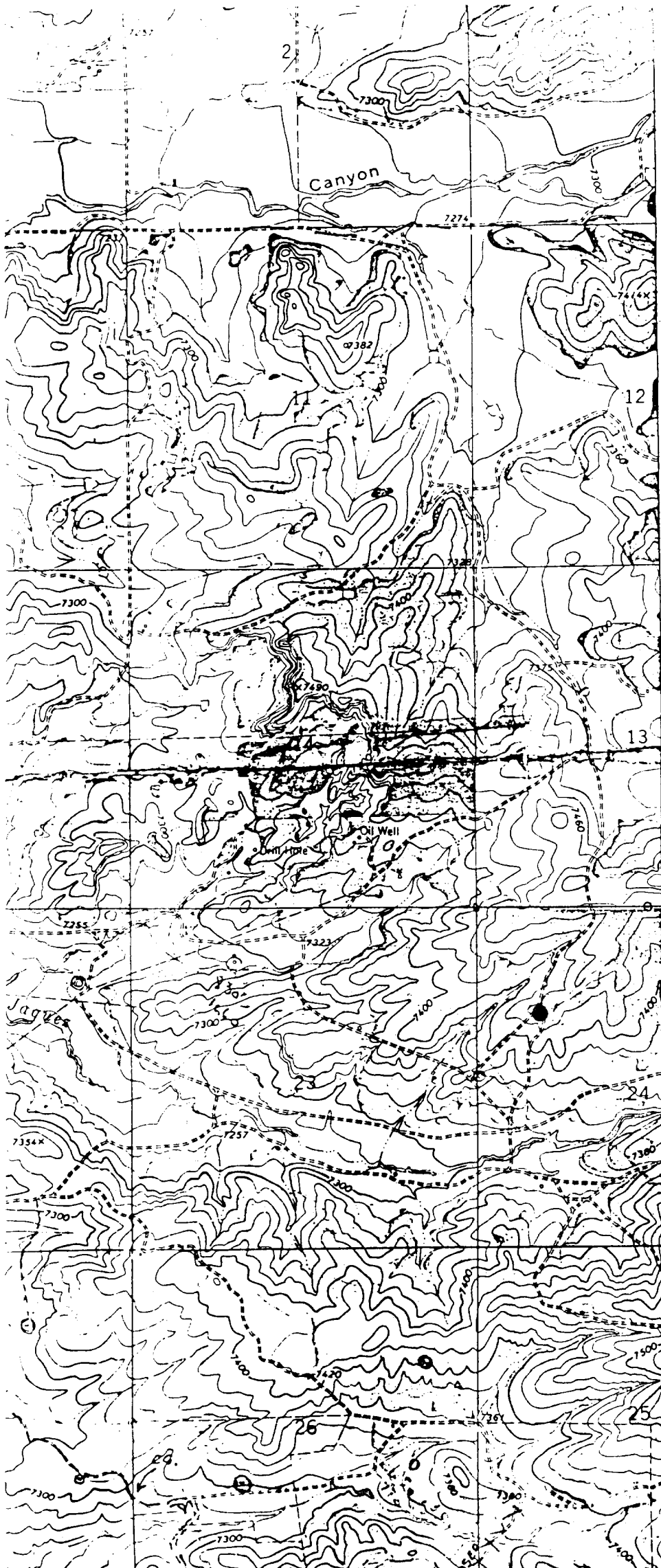
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
January 23, 1984

Registered Professional Engineer  
and Land Surveyor

**Fred B. Kerr Jr.**

Certificate No. 4111  
1950



Vicinity Map for  
AMOCO PRODUCTION CO. #1 AMOCO-FEDERAL-OSO CANYON  
1650'FNL 990'FWL Sec. 24-T24N-R2W  
RIO ARriba COUNTY, NEW MEXICO