

UNITED STATES  
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

Form approved.  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>SF-078194</b>	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Amoco Production Company <i>778</i> Attention: <b>Patty Haefele</b>		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 800, Denver, Colorado 80201 (303) 830-4988		8. FARM OR LEASE NAME, WELL NO. <i>811</i> <b>Ludwick LS</b> <i>13A</i>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface <b>1025 FNL</b> <b>1190 FWL</b> At proposed prod. zone		9. API WELL NO. <i>30-045-29315</i>	
10. FIELD AND POOL, OR WILDCAT <i>72319</i> <b>Blanco Mesaverde</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 5 Township <b>29N</b> Range <b>10W</b>	
12. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>10.03 miles from Aztec, New Mexico</b>		13. COUNTY OR PARISH <b>San Juan</b>	
14. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)		15. NO. OF ACRES IN LEASE <b>2450.28</b>	
16. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		17. NO. OF ACRES ASSIGNED TO THIS WELL <i>N</i> <b>297.66</b>	
18. ELEVATIONS (Show whether DF, RT, GR., etc.) <b>5859' GR</b>		19. PROPOSED DEPTH <b>5014</b>	
20. ROTARY OR CABLE TOOLS <b>Rotary</b>		21. APPROX. DATE WORK WILL START* <b>01-01-96</b>	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8.625"	24#	120'	106 cu.ft. Class B, circ to surface
7.875"	5.500"	14#	2594'	590 cu.ft CI B, tail w/ 129 cu.ft. circ to surf
4.75"	2.875"	6.5#	5014'	275cu.ft. CI B

Notice of Staking submitted on 10/9/95 as the Ludwick LS 13A.

LEASE DESCRIPTION:

T29N-R10W: Sec. 5 Lots 5-12  
Sec. 6 Lots 8-15  
T30N-R10W: Sec. 19 Lots 5-20  
Sec. 20 Lots 1-16  
Sec. 31 Lots 5-20

This action is subject to technical and procedural review pursuant to 43 CFR 3166.3 and appeal pursuant to 43 CFR 3166.4.

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

RECEIVED  
DEC - 1 1995  
OIL CON. DIV.  
DIST. 3

RECEIVED  
BLM MAIL ROOM  
55 OCT 16 PM 3:19  
C/O FARMINGTON, NM

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 <u>Patty Haefele</u>		TITLE <u>Staff Assistant</u>	DATE <u>10-13-1995</u>
(This space for Federal or State office use)			

PERMIT NO. _____	APPROVAL DATE _____
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	
CONDITIONS OF APPROVAL, IF ANY:	

APPROVED BY _____	TITLE _____	DATE _____
-------------------	-------------	------------

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*Handwritten signature*

NMOCD

APPROVED  
AS AMENDED  
NOV 13 1995  
DISTRICT MANAGER

District I  
PO Box 1780, Hobbs, NM 88241-1780  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

55 OCT 16 PM 3:18 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT, NM

API Number <b>30-045-29315</b>	Pool Code <b>72319</b>	Pool Name <b>Blanco Mesaverde</b>
Property Code <b>811</b>	Property Name <b>LUDWICK LS</b>	Well Number <b># 13A</b>
GRID No. <b>000778</b>	Operator Name <b>AMOCO PRODUCTION COMPANY</b>	Elevation <b>5859</b>

10 Surface Location

UL or lot no. <b>Lot 8</b>	Section <b>5</b>	Township <b>29 N</b>	Range <b>10 W</b>	Lot Idn	Feet from the <b>1025</b>	North/South line <b>NORTH</b>	Feet from the <b>1190</b>	East/West line <b>WEST</b>	County <b>SAN JUAN</b>
-------------------------------	---------------------	-------------------------	----------------------	---------	------------------------------	----------------------------------	------------------------------	-------------------------------	---------------------------

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres <b>297.66</b>		Joint or Infill		Consolidation Code		Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

BLM RECORD

1322.64'	1322.64'		
1246.08'	1025'		
1190'			
1223.58'		5	
<b>RECEIVED</b> DEC - 1995 <b>OIL CON. DIV.</b> <b>DIST. 3</b>			

17 OPERATOR CERTIFICATION

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

*Patty Haefele*  
Signature

Patty Haefele  
Printed Name  
Staff Assistant

Title  
Date  
**10/9/95**

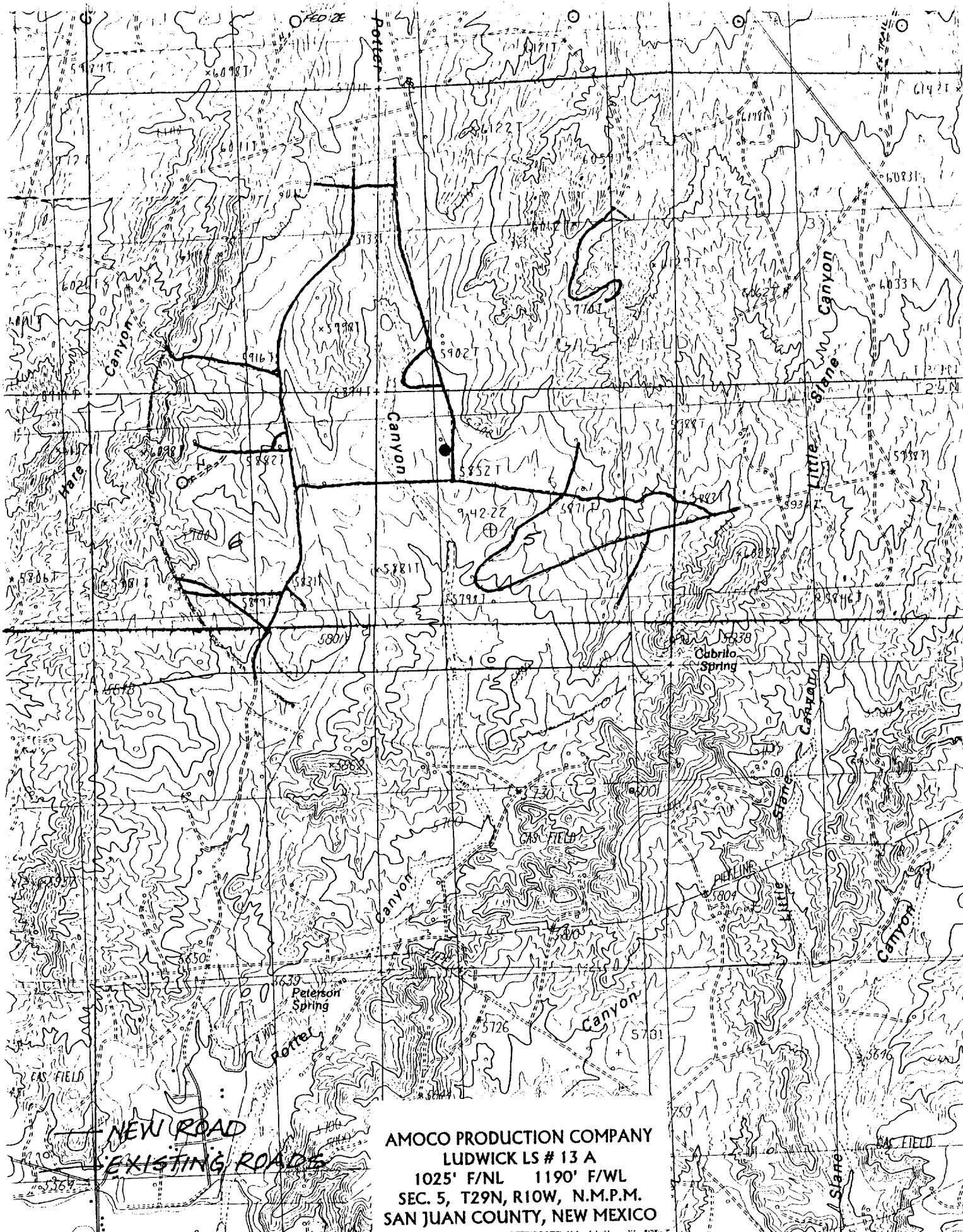
18 SURVEYOR CERTIFICATION

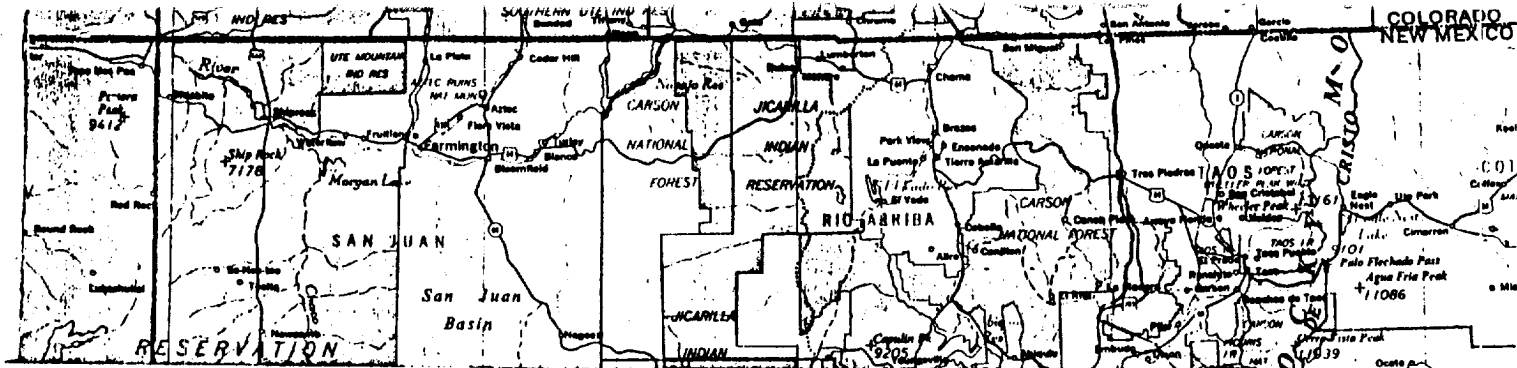
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

**May 23, 1995**

Date of Survey  
Signature and Seal of Professional Surveyor:

**GARY D. VANDERKAM**  
**NEW MEXICO**  
**REGISTERED PROFESSIONAL LAND SURVEYOR**  
**7016**  
Certificate Number





LUDWICK LS # 13 A  
 1025' F/NL 1190' F/WL  
 SEC. 5, T29N, R10W, N.M.P.M.  
 RAIL POINT:  
 MUD POINT:  
 CEMENT POINT:

