

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"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-078387-A
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> Coal Seam <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Amoco Production Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 2325 East 30th Street, Farmington NM 87401		8. FARM OR LEASE NAME Kernaghan B
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1140' FSL x 1700' FWL At proposed prod. zone Same		9. WELL NO. 8
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 21 miles northeast of Aztec NM		10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal Gas
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1140'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA N SESW Sec 33 T31N, R8W
16. NO. OF ACRES IN LEASE 1,280 ac.		12. COUNTY OR PARISH San Juan
17. NO. OF ACRES ASSIGNED TO THIS WELL 320 W/2		13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. See attached plan 3499'		19. ROTARY OR CABLE TOOLS Rotary
20. APPROX. DATE WORK WILL START* As soon as permitted		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6394' GR		

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"	36# K55	250'	200 cf Class B
8-3/4"	7"	20# K55	3055'	858 cf Class B
6-1/4"	5-1/2"	23# P110	3239'	

Notice of Staking submitted 04/06/89

This well was formerly named Kernaghan LS 1-4, 1A-4A #8

Lease description:

T31N-R8W, NMPM
Sec. 28: E/2
Sec. 29: E/2
Sec. 30: E/2
Sec. 33: W/2

RECEIVED
MAY 24 1989
OIL CON. DIV.
DIST. 3

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 <u>J. J. Hampton</u> TITLE <u>Admin. Supv.</u>		APPROVED AS AMENDED MAY 22 1989 <u>[Signature]</u> AREA MANAGER
(This space for Federal or State office use)		
PERMIT NO. _____	APPROVAL DATE _____	
APPROVED BY _____	TITLE _____	
CONDITIONS OF APPROVAL, IF ANY:		

HOLD C-104 FOR PHR OF KERNAGHAN LS #1A
MOCC
*See Instructions On Reverse Side

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

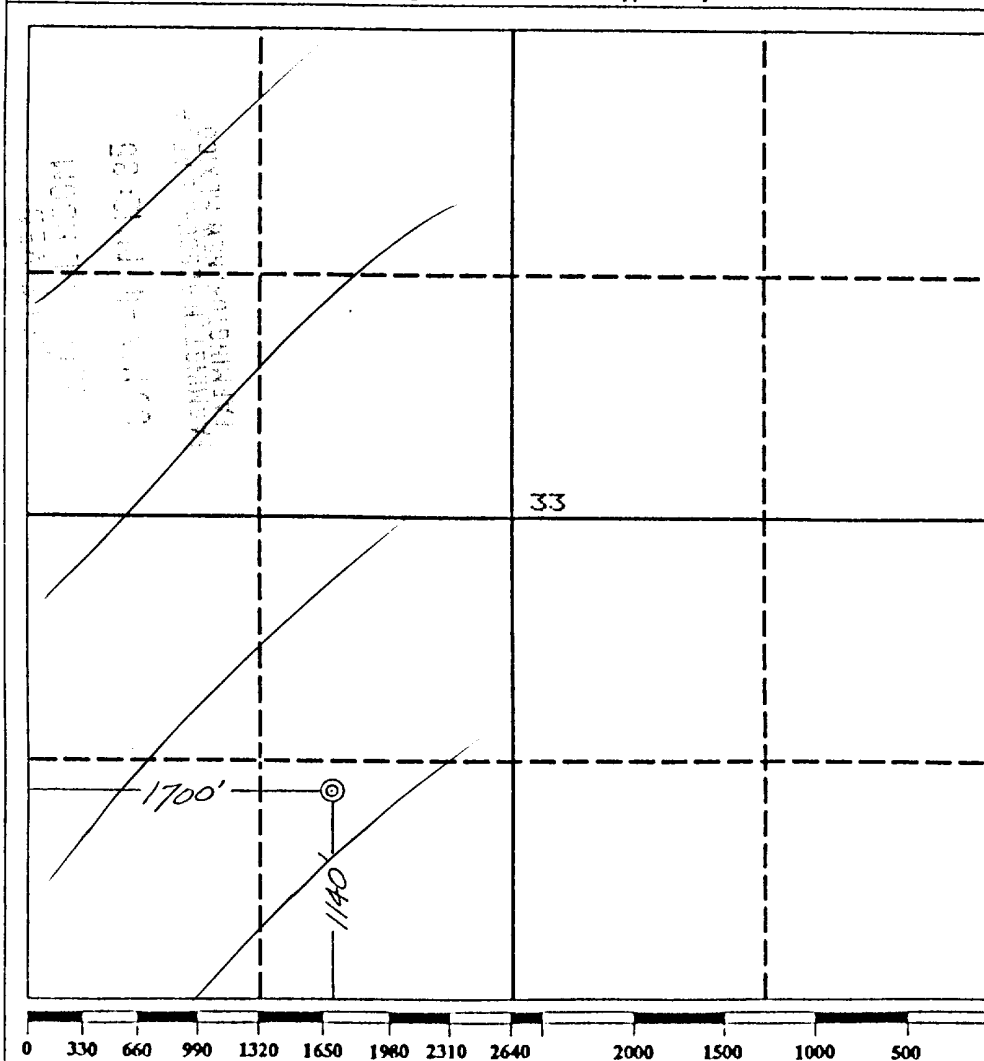
Operator AMOCO PRODUCTION COMPANY			Lease KERNAGHAN B		Well No. # 8
Unit Letter N	Section 33	Township 31 NORTH	Range 8 WEST	County SAN JUAN	

Actual Footage Location of Well:

1140 feet from the **SOUTH** line and **1700** feet from the **WEST** line

Ground level Elev. 4394	Producing Formation Fruitland	Pool Basin Fruitland Coal Gas	Dedicated Acreage: 320 W/2 Acres
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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 interest of all owners been consolidated by communization, 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 communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

C. B. Douglas
Signature

C. B. Douglas

Printed Name

Dist. Admin. Supv.

Position

Amoco Production

Company

April 6, 1989

Date

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 knowledge and belief.

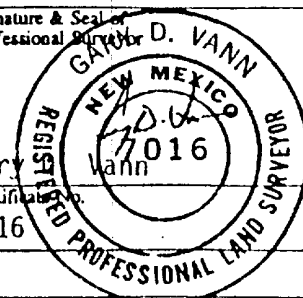
Date Surveyed

April 3, 1989

Signature & Seal of
Professional Surveyor

Gary D. Vann
7016
Vann

Certification No.
7016



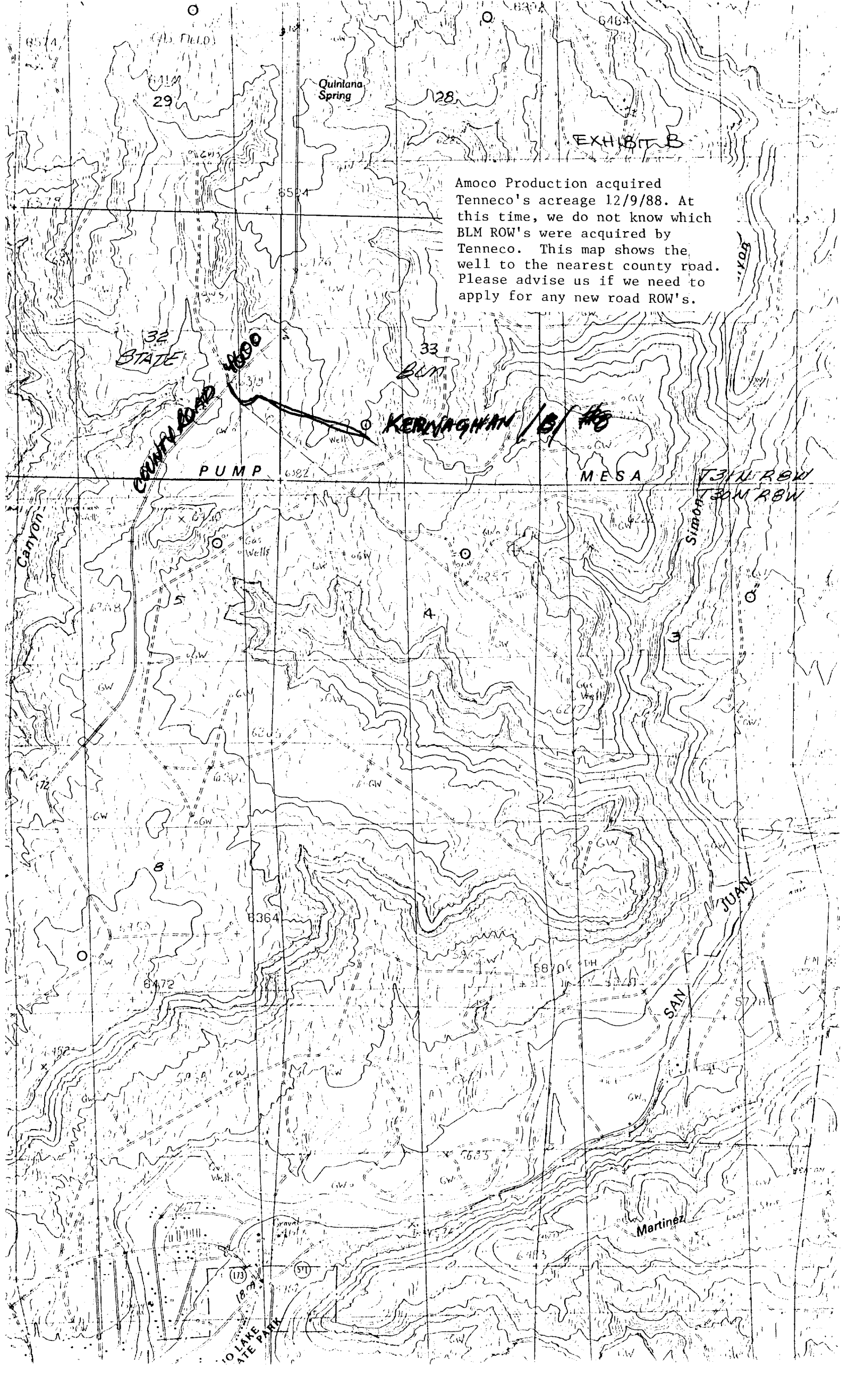


EXHIBIT B

Amoco Production acquired Tenneco's acreage 12/9/88. At this time, we do not know which BLM ROW's were acquired by Tenneco. This map shows the well to the nearest county road. Please advise us if we need to apply for any new road ROW's.

STATE 32

BLM 33

KERNAGHAN / B / #8

PUMP

MESA

BLM ROW
BLM ROW

SAN JUAN

Martinez

LAKE PARK