

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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"/> OTHER <input type="checkbox"/> SINGLE BORE <input checked="" type="checkbox"/> MULTIPLE BORE <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Tenneco Oil Company				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 3249, Englewood, CO 80155				8. FARM OR LEASE NAME Kernaghan	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface SE/4, Sec. 30, 1510' FSL, 865' FEL At proposed prod. zone Same				9. WELL NO. 5	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 4 1/2 miles N of Archuleta				10. FIELD AND POOL, OR WILDCAT Blanco Fruitland coal	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 865'		16. NO. OF ACRES IN LEASE 1280		17. NO. OF ACRES ASSIGNED TO THIS WELL 320 160	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 400'		19. PROPOSED DEPTH 3185'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DP, BT, GR, etc.) 6424' GR DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS" PROPOSED CASING AND CEMENTING PROGRAM				22. APPROX. DATE WORK WILL START* 10/15/88	
23. This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		
12 1/4"	9 5/8"	36#	± 200'	200 cu.ft. - Circ. to Surface	
8 3/4"	7"	23#	±2792'	650 cu.ft. - Circ. to Surface	
6 1/2"	5 1/2" - Liner	23#	±2692'-3183'	None	

See Attached Drilling Procedure.

See Item 1.B of the Surface Use Plan and Map 2 for the BLM ROW Application.

RECEIVED
OCT 05 1988
OIL CON. 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 Larry Bell TITLE Administrative Supervisor DATE 8/22/88
(This space for Federal or State office use)PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____

NMOCC

APPROVED
AS AMENDED
DATE 8/22/88
Larry Bell
AREA MANAGER

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-122
Supersedes C-128
Effective 1-4-55

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

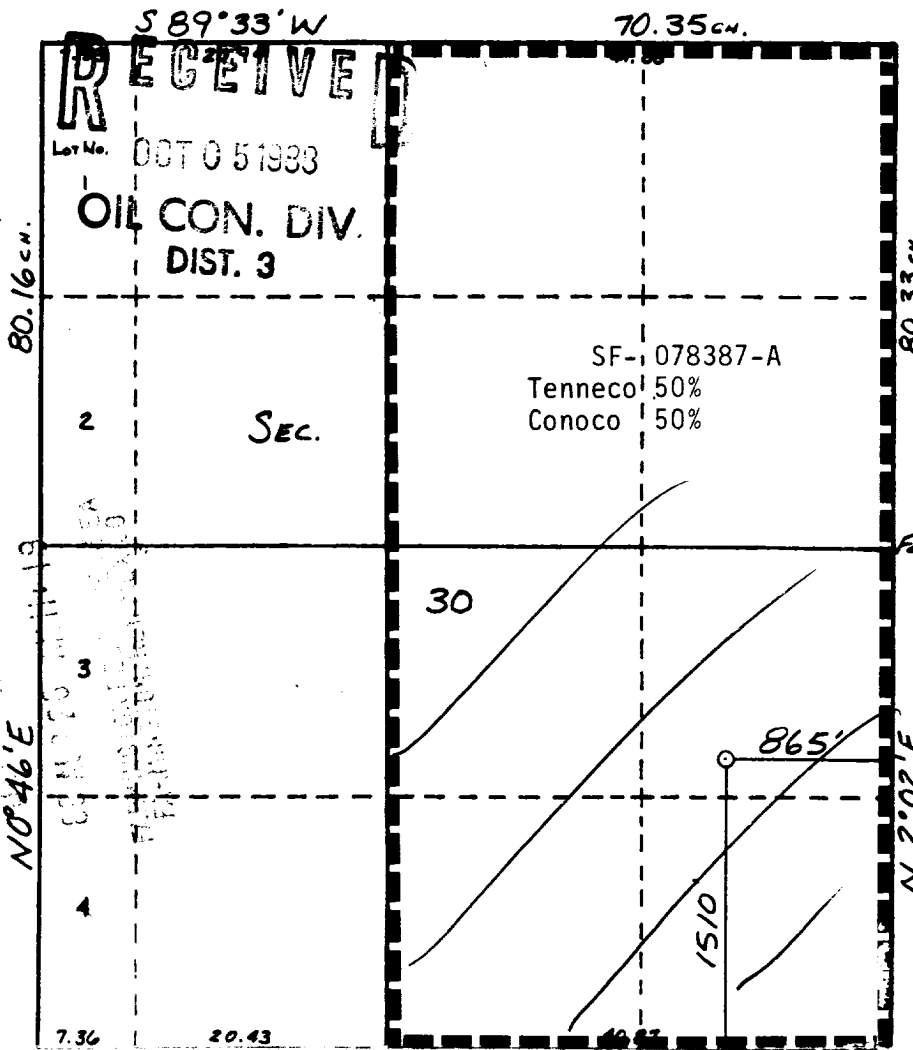
Operator TENNECO OIL COMPANY			Lease KERNAGHAN		Well No. 5
Unit Letter I	Section 30	Township 31 N	Range 8 W	County SAN JUAN	
Actual Footage Location of Well: 1510 feet from the South line and 865 feet from the East line					
Ground Level Elev. 6424	Producing Formation Fruitland Coal	Pool <i>Under</i> Blanco Fruitland		Dedicated Acreage: 320 160 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.



CERTIFICATION

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

Name
Larry Bell

Position
Administrative Supervisor

Company
Tenneco Oil Company

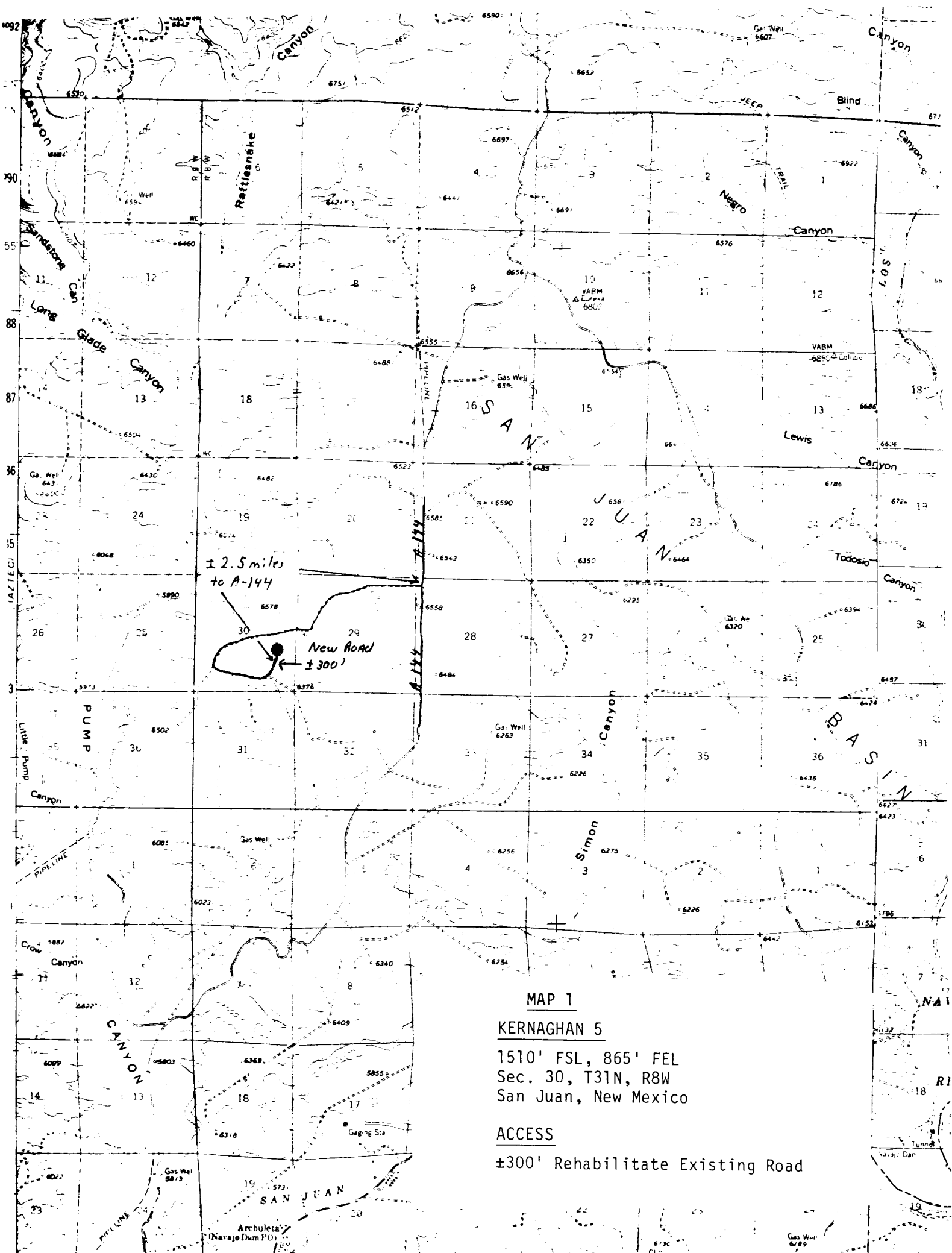
Date
8/22/88

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
8/22/88

Registered Professional Engineer and Land Surveyor
WILLIAM E. MAHKE II

Certificate No.
8466



MAP 1

KERNAGHAN 5

1510' FSL, 865' FEL
Sec. 30, T31N, R8W
San Juan, New Mexico

ACCESS

±300' Rehabilitate Existing Road