

**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"/> 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"/>				5. LEASE DESIGNATION AND SERIAL NO. SF-078580A																					
2. NAME OF OPERATOR Tenneco Oil Company				6. IF INDIAN, ALLOTTEE OR TRIBE NAME 																					
3. ADDRESS OF OPERATOR P.O. Box 3249, Englewood, CO 80155				7. UNIT AGREEMENT NAME 																					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface NW/4, Sec. 8, 1850' FNL, 790' FWL At proposed prod. zone Same				8. FARM OR LEASE NAME Moore																					
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 3 miles NE of Archuleta, NM				9. WELL NO. 13																					
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790'		16. NO. OF ACRES IN LEASE 1201.16		17. NO. OF ACRES ASSIGNED TO THIS WELL 220 160																					
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 500'		19. PROPOSED DEPTH 3095'		20. ROTARY OR CABLE TOOLS Rotary																					
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6311' GR		DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS" PROPOSED CASING AND CEMENTING PROGRAM		22. APPROX. DATE WORK WILL START* 8/25/88																					
23. PROPOSED CASING AND CEMENTING PROGRAM <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SIZE OF HOLE</th> <th>SIZE OF CASING</th> <th>WEIGHT PER FOOT</th> <th>SETTING DEPTH</th> <th></th> </tr> </thead> <tbody> <tr> <td>12 1/4"</td> <td>9 5/8"</td> <td>36#</td> <td>± 200'</td> <td>200 cu.ft. - Circ. to Surface</td> </tr> <tr> <td>8 3/4"</td> <td>7"</td> <td>23#</td> <td>±2610'</td> <td>650 cu.ft. - Circ. to Surface</td> </tr> <tr> <td>6 1/2"</td> <td>5 1/2" - Liner</td> <td>23#</td> <td>±2510'-3092'</td> <td>None</td> </tr> </tbody> </table>						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#	±2610'	650 cu.ft. - Circ. to Surface	6 1/2"	5 1/2" - Liner	23#	±2510'-3092'	None
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This action is subject to technical and procedural review pursuant to 43 CFR 3166.3 and appeal pursuant to 43 CFR 3166.4.

See Attached Drilling Procedure.

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

RECEIVED
SULFUR MAIL ROOM

66 JUL 15 PM 2:36

RECEIVED
OIL CON. DIV.
WASHINGTON, D.C.

RECEIVED
AUG 13 1988
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 Larry Bell TITLE Admin. Supervisor DATE 7/12/88
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY:

**APPROVED
AS AMENDED**
AUG 15 1988
[Signature]
AREA MANAGER

OK
SAB

NR000

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

Form C-102
Supersedes C-120
Effective 1-4-85

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

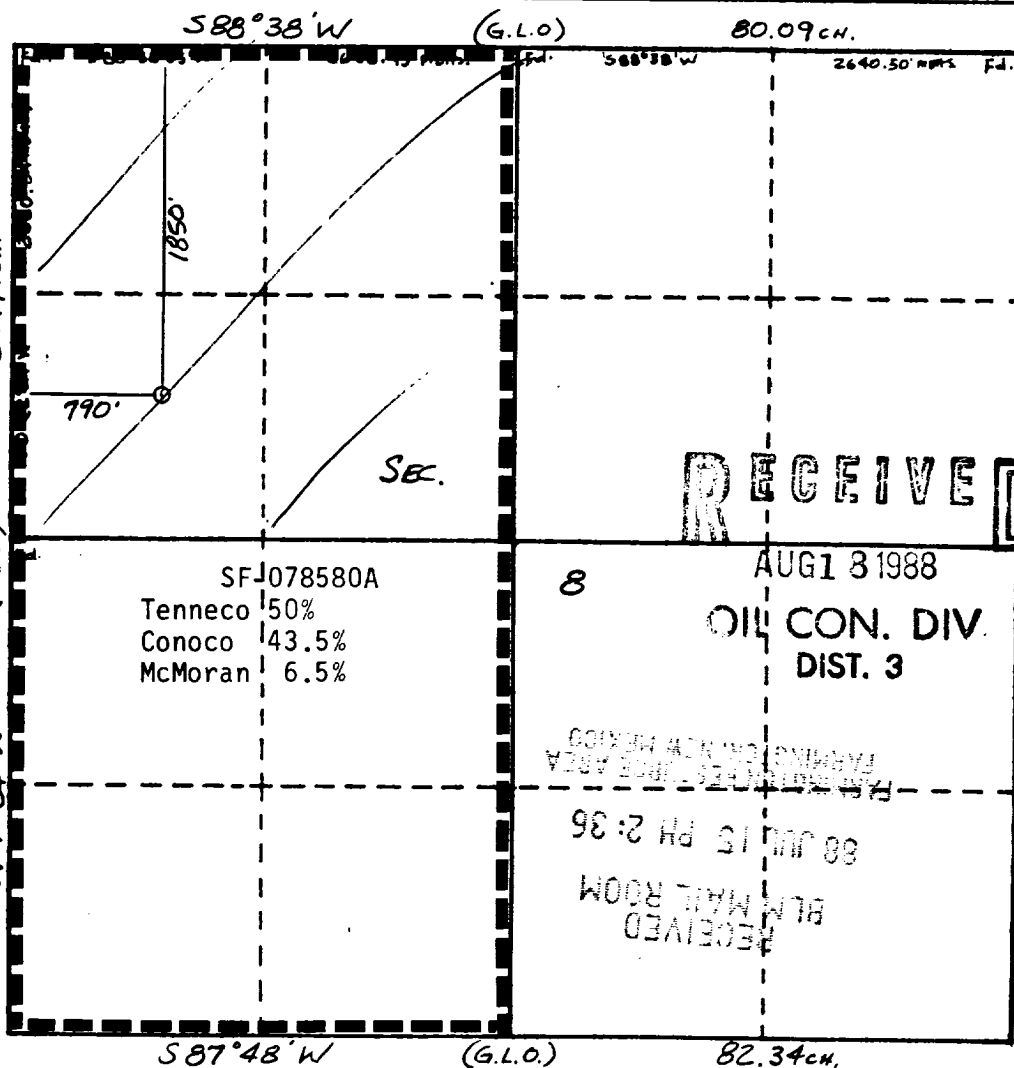
Operator TENNECO OIL COMPANY			Lease MOORE		Well No. 13
Unit Letter E	Section 8	Township 30 N	Range 8 W	County SAN JUAN	
Actual Footage Location of Well: 1850 feet from the North line and 790 feet from the West line					
Ground Level Elev. 6311	Producing Formation Fruitland Coal	Pool <i>under</i> Balanced 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.



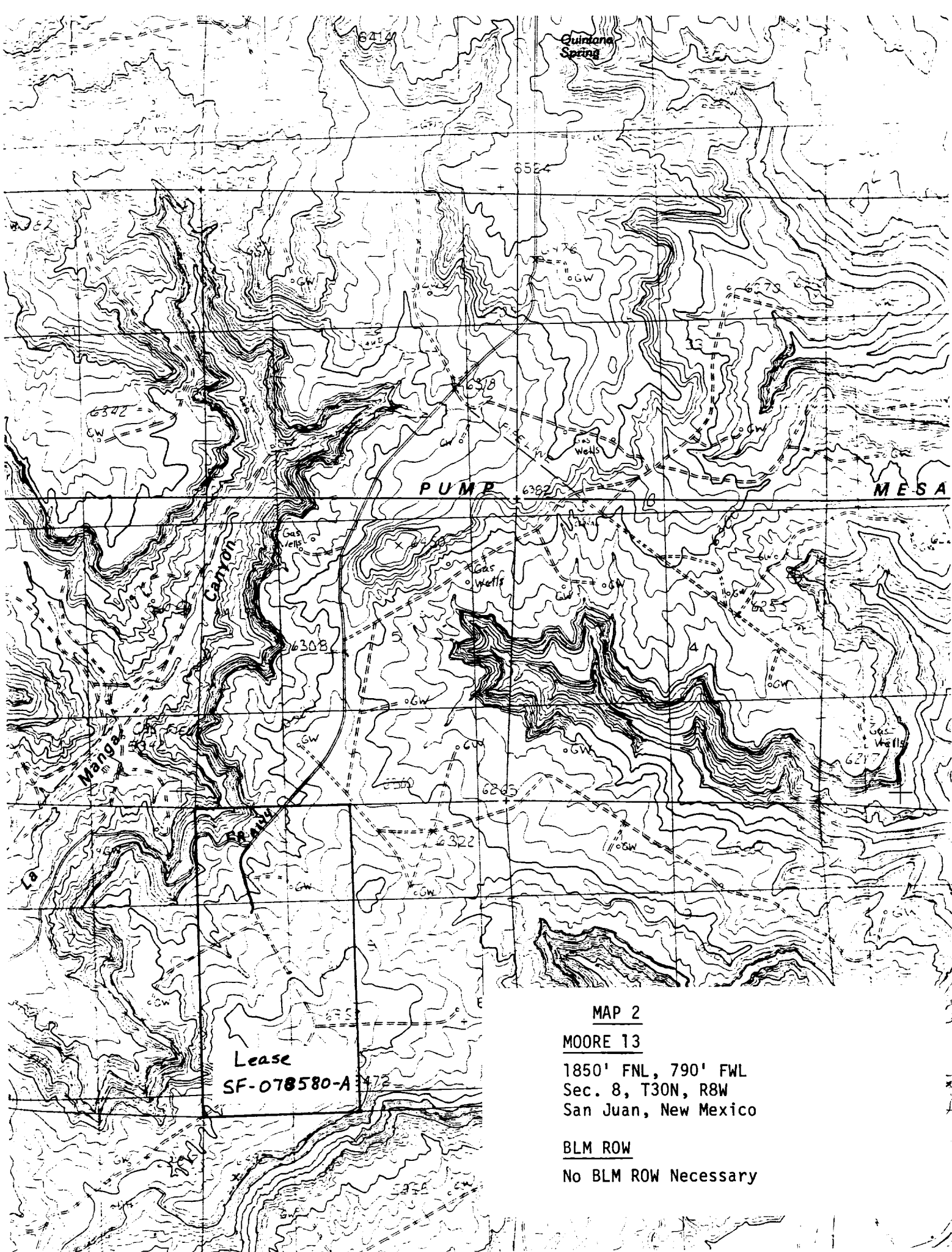
CERTIFICATION

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

Name
Larry Bell
Position
Admin. Supervisor
Company
Tenneco Oil Company
Date
7/11/88

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
7/11/88
William E. Mahnke
Registered Professional Engineer
and Land Surveyor
Certificate No.
8466



MAP 2

MOORE 13

1850' FNL, 790' FWL
Sec. 8, T30N, R8W
San Juan, New Mexico

BLM ROW

No BLM ROW Necessary