

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-045-24898
5. LEASE DESIGNATION AND SERIAL NO.
SF 078118

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"/>			6. IF INDIAN, ALLOTTEE OR TRUST NAME		
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"/>			7. UNIT AGREEMENT NAME		
2. NAME OF OPERATOR Tenneco Oil Company			8. FARM OR LEASE NAME Hubbard Com		
3. ADDRESS OF OPERATOR 720 So. Colorado Blvd., Denver, Colorado 80222			9. WELL NO. 2		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1000 FSL, 1530 FWL At proposed prod. zone same as above			10. FIELD AND POOL, OR WILDCAT Basin Dakota		
11. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 9 miles North of Aztec, N.M.			11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 30, T32N, R11W		
12. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 1000'			12. COUNTY OR PARISH 13. STATE San Juan N.M.		
13. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			14. NO. OF ACRES IN LEASE 983.65		
14. ELEVATIONS (Show whether DF, RT, GR, etc.) 6499' GR			15. NO. OF ACRES ASSIGNED TO THIS WELL 309.54		
15. APPROX. DATE WORK WILL START* March 1981			16. PROPOSED DEPTH ±7850'		
16. ROTARY OR CABLE TOOLS Rotary			17. APPROX. DATE WORK WILL START* March 1981		

22. 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" new	36#	±250'	Circulate to surface
8 3/4"	7" new	23#	±3670'	Circulate to surface
6 1/4"	4 1/2" new	11.6#, 10.5#	±7850'	Circulate to liner top

See attached.

The gas is dedicated.



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 R. A. Mishler TITLE Sr. Production Analyst DATE Sept. 29, 1980
(This space for Federal or State office use)PERMIT NO. APPROVED APPROVAL DATE AS AMENDEDAPPROVED BY JAMES F. SIMS TITLE DISTRICT ENGINEER DATE FEB 18 1981
CONDITIONS OF APPROVAL, IF ANY See Instructions On Reverse Sidewith
HWW
70116-104
for Comm. Int.

Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section

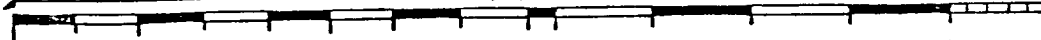
Operator TENNECO OIL COMPANY		Lease HUBBARD COM		Well No. 2
Unit Letter N	Section 30	Township 32N	Range 11W	County San Juan
Actual Footage Location of Well: 1000' feet from the South line and 1530 feet from the West line				
Ground Level Elev. 6499	Producing Formation	Pool BASIN DAKOTA	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 COMMUNITIZATION 7A 8402

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.

SF 078118		NM 010910		
		ARCO 50%		
		NW PIPELINE 50%		
Tenneco 50%				
Conoco 50% Sec.				
		30		
1530'				
SF 078118				
MESA PETROLEUM 100%				
100'				
				

CERTIFICATION

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

R. A. Mishler

Name **R. A. Mishler**

Position **Sr. Production Analyst**

Company **Tenneco Oil Company**

Date **September 29, 1980**

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.

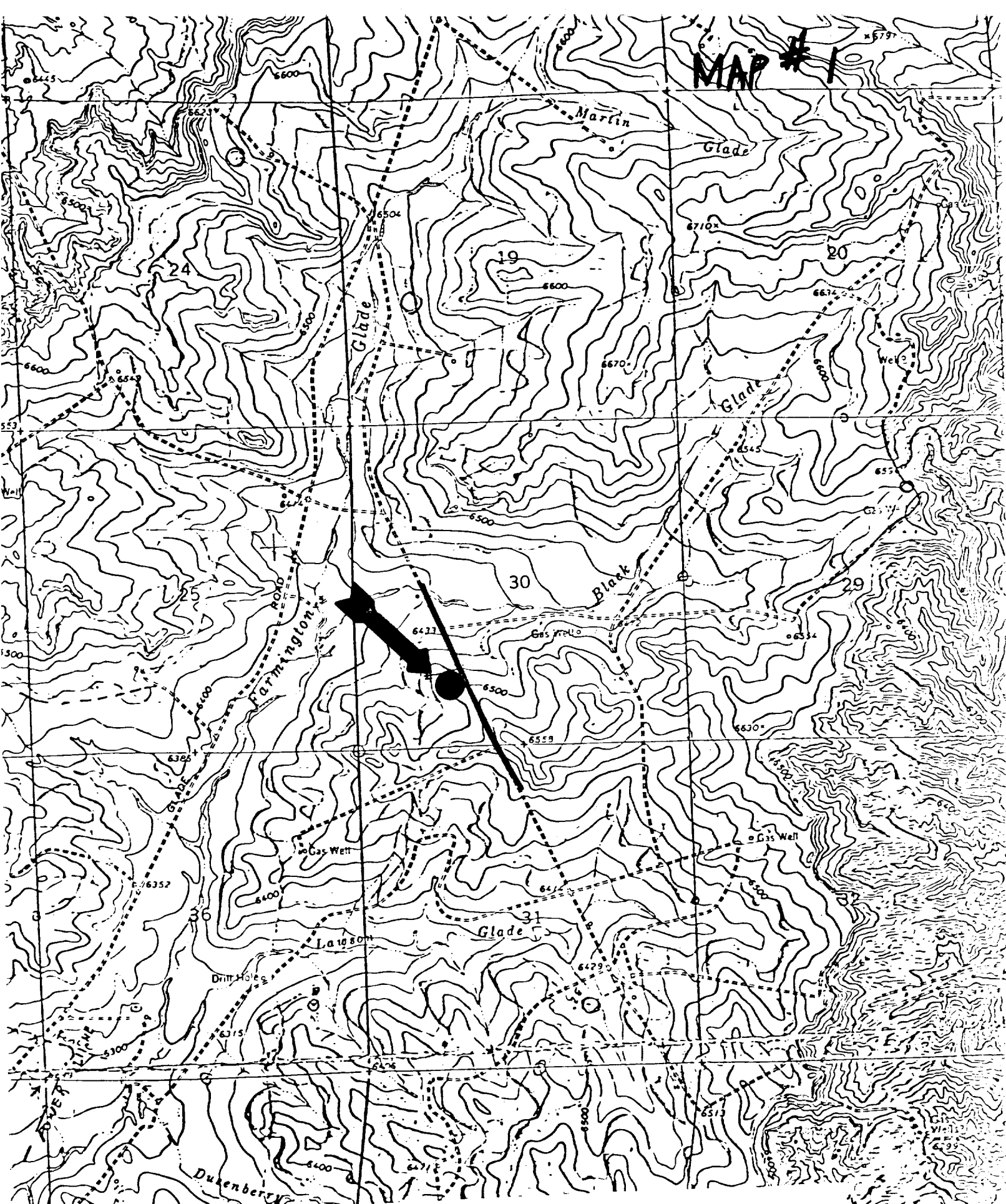
Date Surveyed **March 20, 1980**

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.

Certificate No. **3950**

MAP # 1



Vicinity Map for
TENNECO OIL COMPANY #2 HUBBARD CCM
1000'FSL 1530'FWL Sec 30-T32N-R11W
SAN JUAN COUNTY, NEW MEXICO