

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. SE-078771																					
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME																					
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION				7. UNIT AGREEMENT NAME																					
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico - 87401				8. FARM OR LEASE NAME Mabel C. Senter																					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1115' FNL & 2140' FWL, Unit "C" At proposed prod. zone Same				9. WELL NO.																					
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 45 miles NE Blanco, New Mexico				10. FIELD AND POOL, OR WILDCAT Basin Dakota																					
16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 2140' W		18. NO. OF ACRES IN LEASE 2560		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/4 Section 23, T-31-N, R-6-W																					
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1543' E/SE		19. PROPOSED DEPTH 7950'		12. COUNTY OR PARISH 13. STATE Rio Arriba New Mexico																					
21. ELEVATIONS (Show whether DF, RT, GR, etc.) Will report later				17. NO. OF ACRES ASSIGNED TO THIS WELL 320 (N/2)																					
23. PROPOSED CASING AND CEMENTING PROGRAM				20. ROTARY OR CABLE TOOLS Rotary																					
22. APPROX. DATE WORK WILL START* 10-30-69				20. ROTARY OR CABLE TOOLS Rotary																					
<table border="1"><thead><tr><th>SIZE OF HOLE</th><th>SIZE OF CASING</th><th>WEIGHT PER FOOT</th><th>SETTING DEPTH</th><th>QUANTITY OF CEMENT</th></tr></thead><tbody><tr><td>15"</td><td>10-3/4"</td><td>40.5#</td><td>300'</td><td>300 SX</td></tr><tr><td>9-5/8"</td><td>7-5/8"</td><td>26.4#</td><td>3470'</td><td>700 SX</td></tr><tr><td>6-3/4"</td><td>4-1/2"</td><td>11.6#</td><td>7950'</td><td>600 SX (with DV tool, 400' below Mesaverde)</td></tr></tbody></table>						SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	15"	10-3/4"	40.5#	300'	300 SX	9-5/8"	7-5/8"	26.4#	3470'	700 SX	6-3/4"	4-1/2"	11.6#	7950'	600 SX (with DV tool, 400' below Mesaverde)
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Subject well is to be drilled to 400' below the Pictured Cliffs where 7-5/8" intermediate casing will be set. Well is then to be drilled, with gas, through the Dakota and 4-1/2" casing set to TD. Completion will be designed from open hole logs.

Copy of location plat attached.

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. ORIGINAL SIGNED BY SIGNED <u>G. W. Eaton, Jr.</u> TITLE <u>Area Engineer</u> DATE <u>October 29, 1969</u>	
(This space for Federal or State office use)	
PERMIT NO. _____	APPROVAL DATE _____
APPROVED BY <u>[Signature]</u> TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:	

*See Instructions On Reverse Side

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

Form C-102
Supersedes C-128
Effective 1-1-65

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

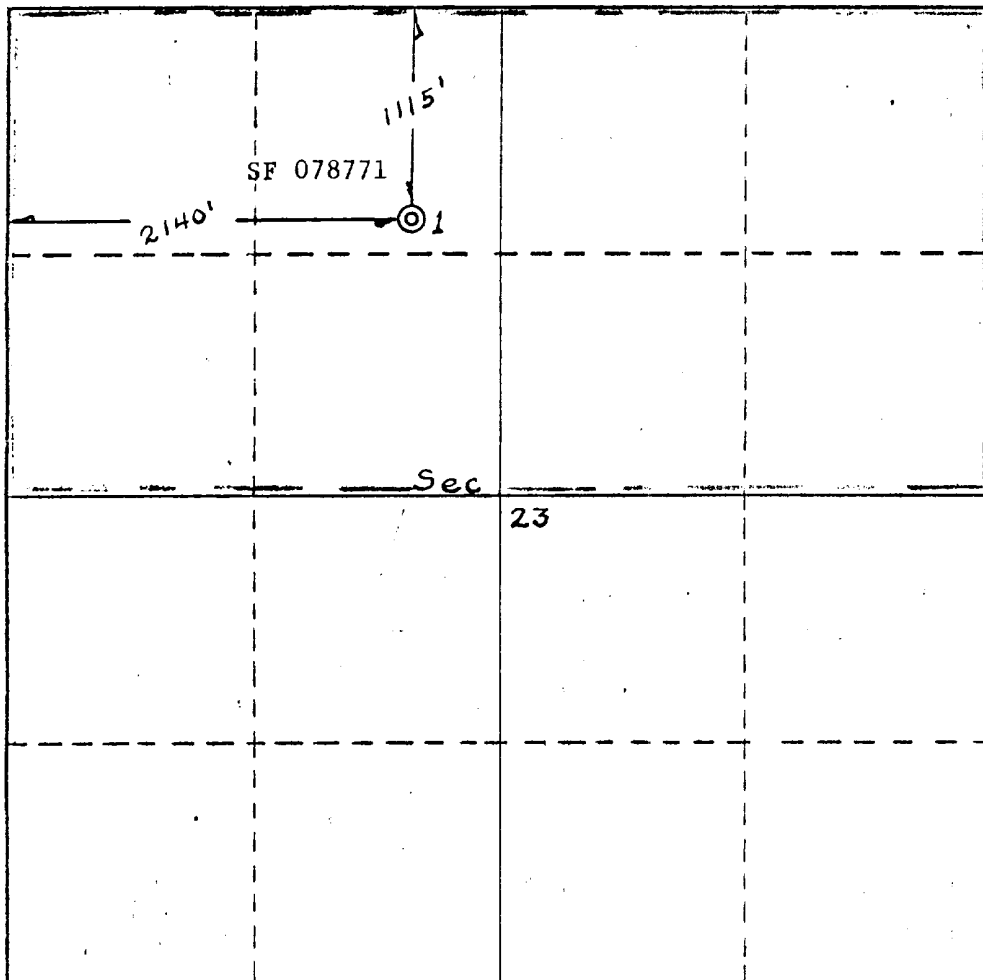
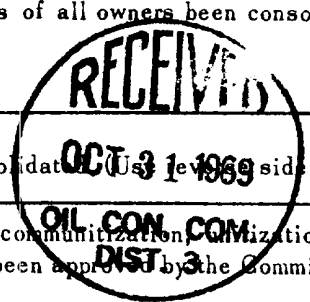
Operator Pan American Petroleum Corporation			Lease Mabel C. Senter		Well No. 1
Unit Letter C	Section 23	Township 31N	Range 6W	County Rio Arriba	
Actual Footage Location of Well: 1115 feet from the North line and 2140 feet from the West line					
Ground Level Elev. 6278 (Ungraded)	Producing Formation Dakota		Pool Basin Dakota	Dedicated Acreage: N/2 320 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 _____

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.

M. C. Senter
Name _____
Area Engineer

Position _____
Pan American Petroleum Corp.
Company _____
October 29, 1969
Date

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
October 14, 1969

Registered Professional Engineer
and/or Land Surveyor

Frederic B. Hart Jr.
Frederic B. Hart Jr.

Certificate No.
3950

