

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

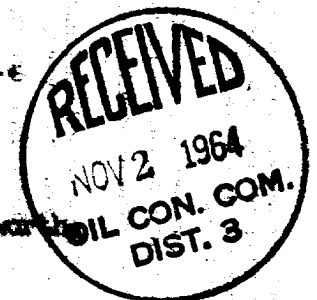
1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			5. LEASE DESIGNATION AND SERIAL NO. SP-081, 299	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 480, Farmington, New Mexico			8. FARM OR LEASE NAME L. C. Kelly	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1790 FSL and 915 FEL At proposed prod. zone Same			9. WELL NO. 5	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 3 miles North of Flora Vista, New Mexico			10. FIELD AND POOL, OR WILDCAT Und. Gallup/Basin Dakota	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 915			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE 1/4 SE 1/4 Section 3, T-30-N, R-12-W	
16. NO. OF ACRES IN LEASE 2522.59			12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160/319.67			13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3400			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) Report later.			22. APPROX. DATE WORK WILL START* November 2, 1964	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	350	250 Sacks
7-7/8"	5-1/2"	14#	6900	1300 Sacks*

*Cemented by two stage method with stage tool set 100' below base of Mesaverde.

Copies of location plat are attached.
Copies of any logs run will be furnished upon completion of well.
Stimulation will be as indicated upon reaching total depth.

Verbally approved October 27, 1964, John Ward to F. H. Hollingsworth



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. **Fred L. Nabors, District Engineer**

ORIGINAL SIGNED BY
SIGNED **F. H. HOLLINGSWORTH** TITLE _____ DATE **October 27, 1964**

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY **[Signature]** TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

Well Location and Acreage Dedication Plat

Section A.

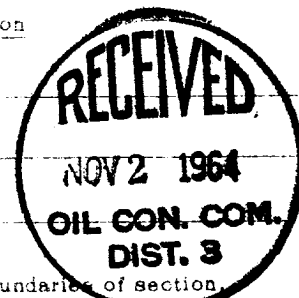
Date OCTOBER 20, 1964

Operator PAN AMERICAN PETROLEUM CORPORATION Lessee L. C. KELLY
 Well No. 5 Unit Letter I Section 3 Township 30 NORTH Range 12 WEST NMPM
 Located 1790 Feet From SOUTH Line, 915 Feet From EAST Line
 County SAN JUAN G. L. Elevation REPORT LATER Dedicated Acreage 160-319.67 Acres
 Name of Producing Formation GALLUP-DAKOTA Pool UNDESIGNATED GALLUP-BASIN DAKOTA

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
 Yes X No _____
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes _____ No _____. If answer is "yes", Type of Consolidation _____
3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner

Land Description



Section B.

Note: All distances must be from outer boundaries of section.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

PAN AMERICAN PETROLEUM CORP.

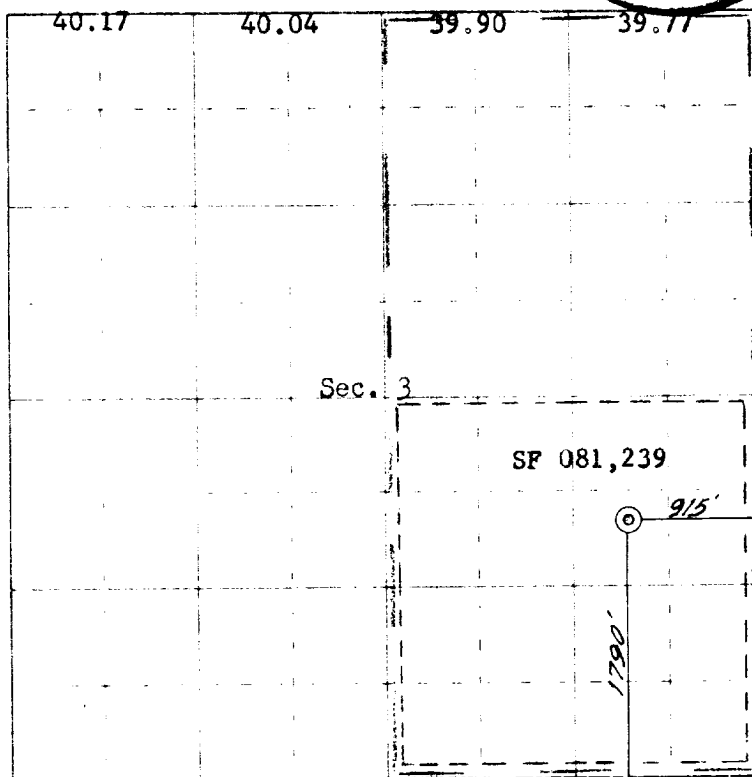
F. H. Hollingsworth (Operator)

F. H. Hollingsworth
(Representative)

P. O. Box 480

(Address)

Farmington, New Mexico



0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Scale 4 inches equal 1 mile

Ref: GLO plat dated 7 April 1881



This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

(Seal)

Date Surveyed September 15, 1964

Farmington, New Mexico

James P. Leese
 Registered Professional Engineer and Land Surveyor
 James P. Leese, N. Mex. Reg. No. 1463
 San Juan Engineering Company