

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

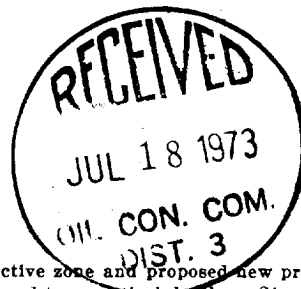
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			5. LEASE DESIGNATION AND SERIAL NO. 30-039-20707 Jicarilla. Cont.No.129		
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache		
2. NAME OF OPERATOR Manning Gas & Oil Company			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR 102 Continental Oil Building 1755 Glenarm Place, Denver, Colorado 80202			8. FARM OR LEASE NAME Apache		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 790' FNL, 1850' FWL At proposed prod. zone Same			9. WELL NO. 12		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*			10. FIELD AND POOL, OR WILDCAT So. Blanco Pictured Clif		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13-T24N-R4W NMPM		
16. NO. OF ACRES IN LEASE 2560			12. COUNTY OR PARISH Rio Arriba		
17. NO. OF ACRES ASSIGNED TO THIS WELL 160			13. STATE N.M.		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			19. PROPOSED DEPTH 3100'		
20. ROTARY OR CABLE TOOLS Rotary			21. APPROX. DATE WORK WILL START* July 20. 1973		
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 6855'GR, 6866' DF, 6867'RE			23. PROPOSED CASING AND CEMENTING PROGRAM		

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2	8-5/8	24.0	100	75 sxs
7-7/8	4 1/2	9.50	3100	100 sxs

It is proposed to drill this well with rotary tools using drilling mud for circulation through the Pictured Cliffs Formation. All possible production intervals in the Pictured Cliffs will be completed.

The NW/4 of section 13 is dedicated to this well.



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. For: Manning Gas and Oil Company
SIGNED Ewell N. Walsh TITLE Petr. Engr. Consultant DATE July 16, 1973
(This space for Federal or State office use)

PERMIT NO. 59 APPROVAL DATE JUL 17 1973
APPROVED BY [Signature] TITLE [Signature]
CONDITIONS OF APPROVAL, IF ANY:

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

All distances must be from the outer boundaries of the Section

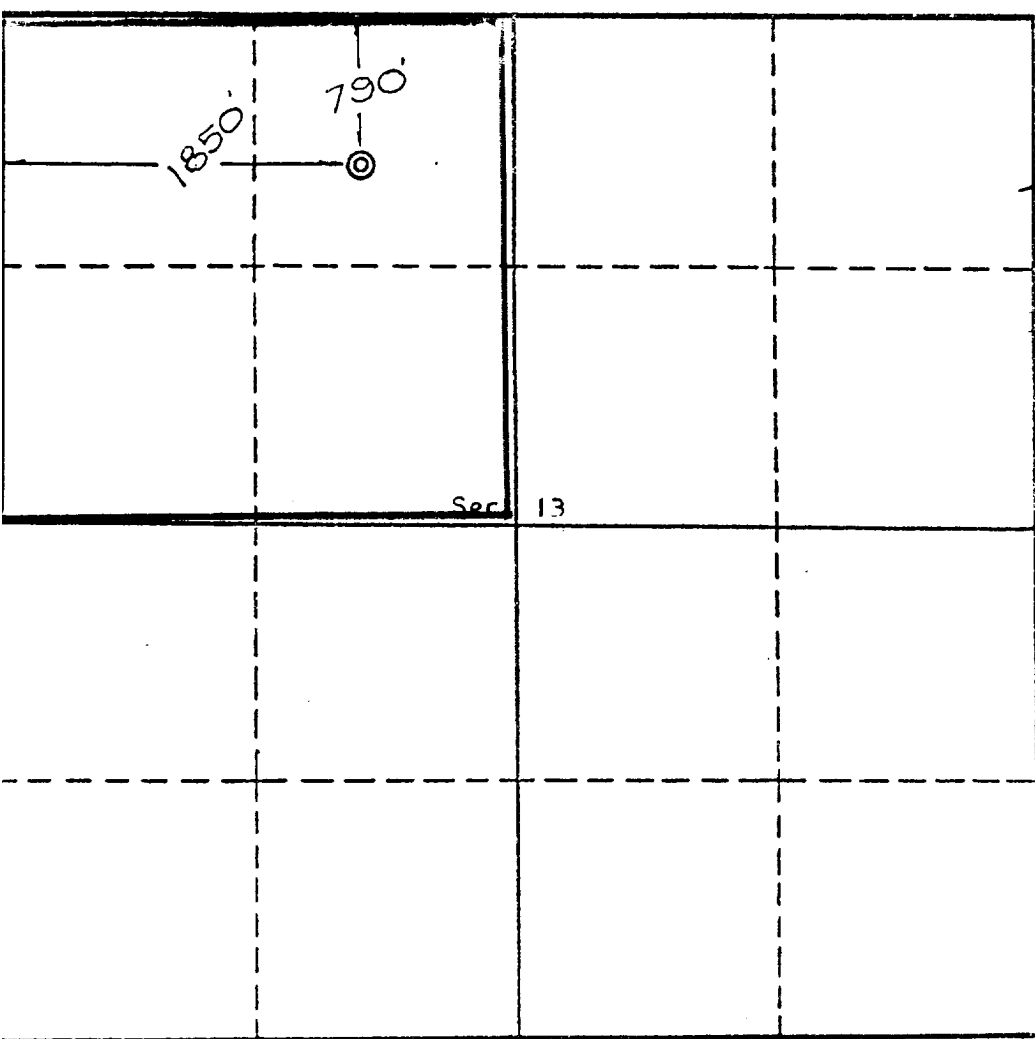
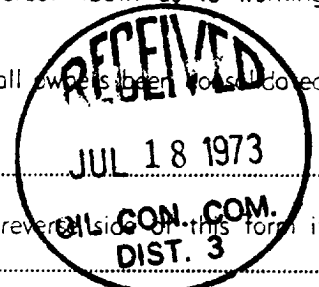
Operator Manning Gas & Oil Company			Lease Apache		Well No. 12
Unit Letter C	Section 13	Township 24 North	Range 4 West	County Rio Arriba	
Actual Footage Location of Well:					
790 feet from the North line and		1850 feet from the West line			
Ground Level Elev. 6855	Producing Formation Pictured Cliffs	Pool South Blanco Pictured Cl.	Dedicated Acreage 160		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 wells 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 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

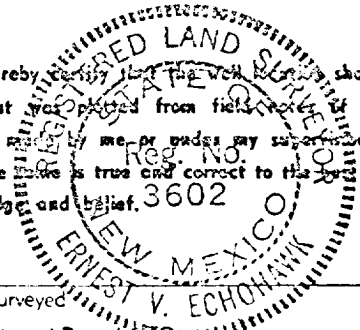
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Ewell N. Walsh
 Name
Ewell N. Walsh
 Position **Petr. Engr. Consultant**
 For: **Manning Gas & Oil Co.**
 Company
July 16, 1973
 Date

I hereby certify that the well location shown on this plat was obtained 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.

July 13, 1973
 Date Surveyed
Ernest V. Echhawk
 Registered Professional Engineer
 and/or Land Surveyor

E. V. Echhawk
 Certificate No. **3602**
E. V. Echhawk LS



Scale, 1 inch = 1,000 feet

DEVELOPMENT PLAN
MANNING GAS AND OIL COMPANY
APACHE NO.12

1. Existing roads shown on attached plat.
2. Planned access from existing road is approximately 600' to new location.
3. Location - Apache No. 12
790' FNL, 1850' FWL
Section 13-T24N-R4W
Rio Arriba County, New Mexico
4. No additional well is planned on this lease at this time.
5. Production equipment or storage facilities proposed for the well will be installed on location.
6. Water will be obtained from Water Hole in Largo Wash
SW/4 Sec.9-T24N-R4W
7. Waste materials will be buried on location or in reserve pit.
8. No permanent camp is planned. A trailer house will be used on location during drilling process.
9. No airstrip proposed.
10. See attached plat for layout.
11. Pits will be filled, location cleaned up, and area not in use for producing well will be reseeded using broadcast method of planting.

DEVELOPMENT PLAN

Manning Gas and Oil Company

Apache No. 12
790'FNL, 1850'FWL Sec.13-T24N-R4W
Rio Arriba County, N.M.

PROPOSED LOCATION LAYOUT

