

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 ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

Commingled

Gallup-Dakota

SINGLE
ZONE ☐MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

William B. Martin and Associates

3. ADDRESS OF OPERATOR

2110 N. Sullivan, Farmington, N.M. 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

660' FSL and 1980 FEL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

18.5 NW of Cuba

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1980' W

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

50' W

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

7009' GR

23. PROPOSED CASING AND CEMENTING PROGRAM This action is subject to administrative

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2 "	8 5/8 "	24.00	250'	200 sks (236 ft. 3)
7 7/8 "	5 1/2 "	17.00	7200'	See operators plan

- Proposed Program:
1. Drill 12 1/2" hole to \pm 250'. Run and set 8 5/8" casing. Circulate Cement to surface.
 2. WOC 12 hours.
 3. Install and Pressure Test BOP to 1000 psig.
 4. Drill 7 7/8" hole to T.D. using low solids-low water mud.
 5. Run and set 5 1/2" casing with stage collars and cement.
 6. Selectively perforate and stimulate Gallup and Dakota Formation.

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 Wm. B. Martin TITLE Operator DATE March 7, 1983

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY Forrest L. Hines
CONDITIONS OF APPROVAL, IF ANY:

TITLE

Asst. Dir.APPROVED
AS AMENDED

APR 29 1983

JAMES F. SIMS
DISTRICT ENGINEER

NM000

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENTForm C-107
Revised 10-1-78

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

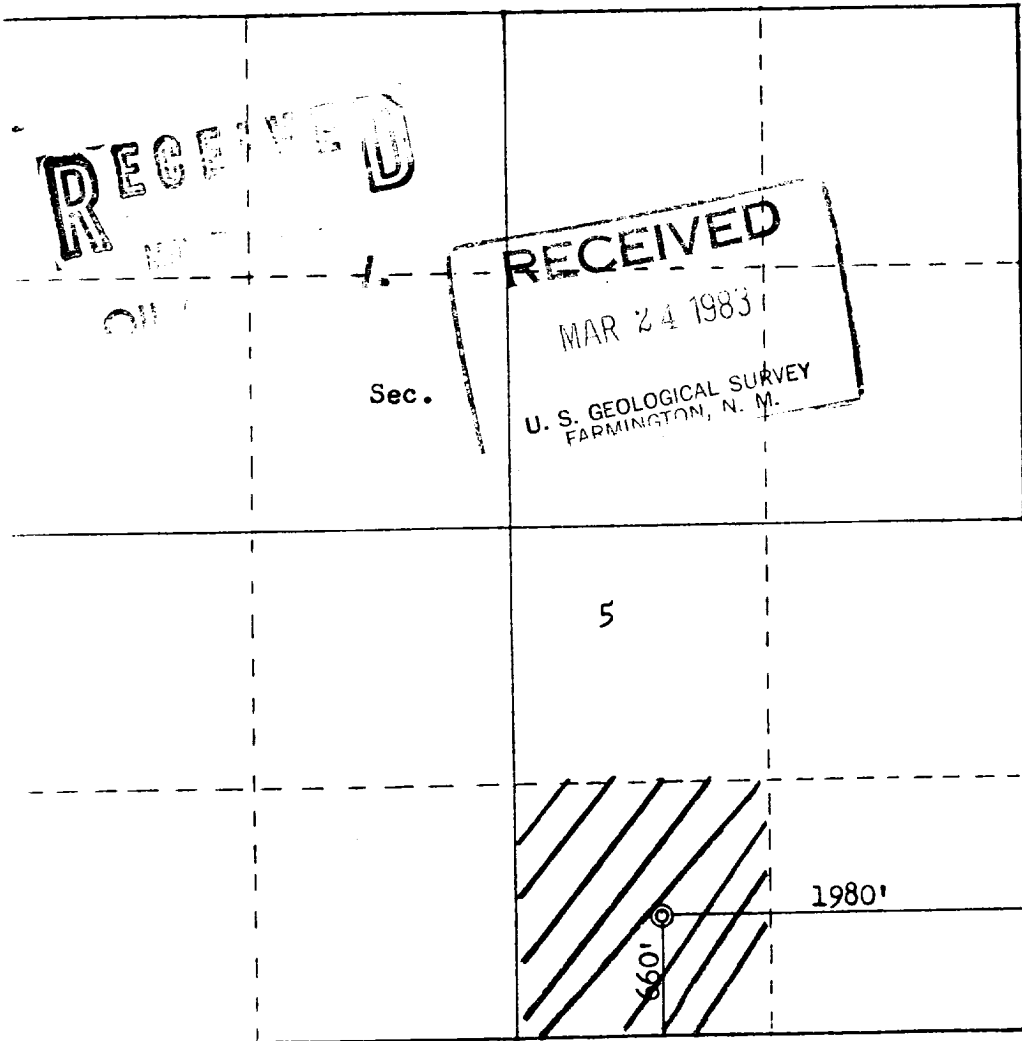
Operator W. B. MARTIN & ASSOCIATES			Lease MARTIN-FLORANCE		Well No. 12
Unit Letter 0	Section 5	Township 23N	Range 4W	County Rio Arriba	
Actual Footage Location of Well: 660 feet from the South line and 1980 feet from the East line					
Ground Level Elev. 7009	Producing Formation Gallup Dakota Laminated		Pool South Lincolnth Gallup Dakota		Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.



Scale: 1"=1000'

CERTIFICATION

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

Name Billy Martin
 Position Operator's Representative
 Company W.B. Martin and Associates
 Date 3/16/83

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 1, 1983
 Registered Professional Engineer and Land Surveyor
Fred B. Kerr Jr.
 Certificate No. 3950

OPERATIONS PLAN

Re: A.P.D.
William B. Martin & Associates, Inc
#12 Martin-Florance
NW SE/4 Sec 5. T23N - R4W
Rio Arriba County, New Mexico

Gentlemen:

In compliance with NTL-6 the following information is being submitted to accompany the Permit to Drill:

1. Location: 660' FSL and 1980' FEL
Sec. 5 T23N - R4W
2. Elevation of Unprepared Ground: 7009' GL
3. Geologic Name of Surface Formation: San Jose
4. Type of Drilling Tools: Surface to T.D. Rotary
5. Proposed Drilling Depth: 7200'
6. Estimated Geologic Markers

Ojo Alamo	2169'	
Pictured Cliffs	2647'	X
Chacra	2999'	
Pointlookout	4792'	X
Gallup	5837'	X
Dakota	6944'	X
7. Anticipated Gas & Oil
8. Casing Program and Setting Depth

	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Condition</u>	<u>Setting Depth</u>
Surface	8 5/8"	24.00 lb	J-55	New	250'
Production	5 1/2"	17.00 lb	J-55	New	7200'
9. Casing and Cementing Prognosis:

Surface casing will be set at 250'. Cement will be circulated to surface using approximately 200 sks (236 ft₃) Class "B" Neat cement containing 2% CaCl₂.
Production casing will be run to total depth. Three stage collars will be run.

1st Stage - Float collar 7110'
500 sks 50/50 poz (690 ft₃) 2% gel 6 1/4 # gelsonite

2nd Stage - D.V. tool at 5000'
250 sks 50/50 poz (345 ft₃) 2% gel 6 1/4 # gelsonite

3rd Stage - D.V. tool at 3000'
400 sks 50/50 poz (500 ft₃) Class B 2% CaCl₂

Note: Exact volume of cement to be determined after running Caliper Log.