

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

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Schalk Development Company

3. ADDRESS OF OPERATOR

P. O. Box 25825, Albuquerque, N. M. 87125

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

At surface

1085' FNL, 920' FWL, Sec. 1, T-24N, R-2W

At proposed prod. zone Rio Arriba County, N.M.

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

10 Miles Northeast of Lindrith, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

920'

16. NO. OF ACRES IN LEASE

327.66

17. NO. OF ACRES ASSIGNED TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6000

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7333' GR

22. APPROX. DATE WORK WILL START\*

12-20-79

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	23#	300'	200 sacks
7-7/8"	4-1/2"	10.5#		350 sacks

FORMATION TOPS

Kirtland 3228'  
Fruitland 3307'  
Pictured Cliffs 3390'  
Mesa Verde 5104'  
Total Depth 6000'



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

*[Signature]*

TITLE

Managing Partner

DATE

12-04-79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

All distances must be from the outer boundaries of the Section

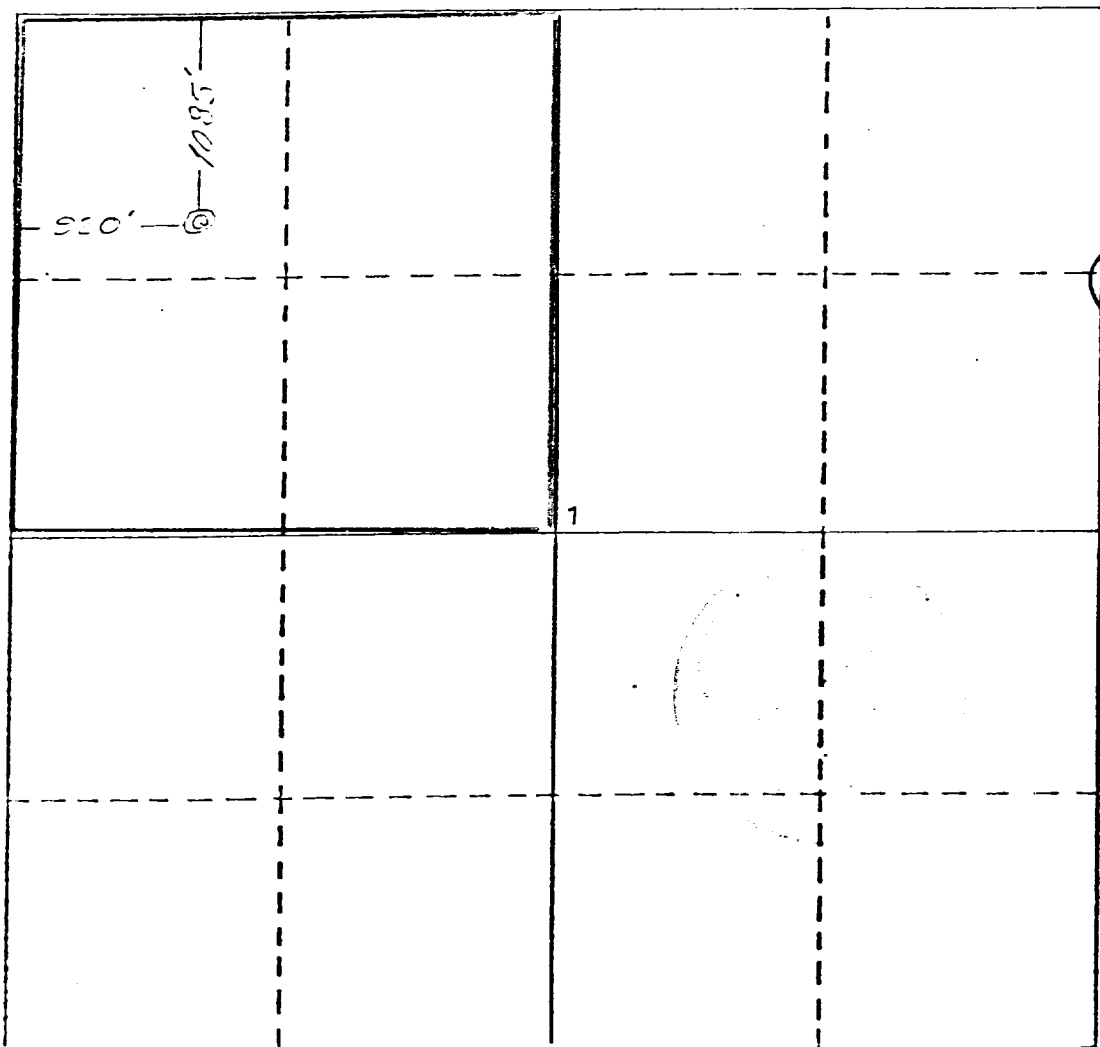
Owner <b>JOHN E. SCHALK Development Co.</b>		Lease <b>SCHALK 31</b>		Well No. <b>1</b>
Unit Letter	Section <b>1</b>	Township <b>24 NORTH</b>	Range <b>2 WEST</b>	County <b>RIO ARriba</b>
Actual Wellbore Location of Well:				
1085 feet from the		NORTH	line and	920 feet from the
WEST		line		
Ground Level Elev. <b>7333</b>	Producing Formation <b>Mesa Verde</b>		Pool <b>Wildcat</b>	Dedicated Acreage: <b>160</b>

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Division.

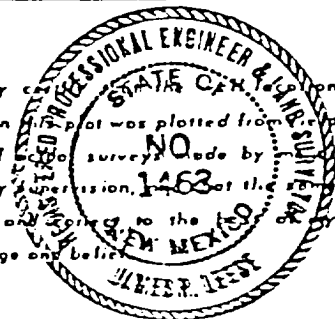


# CERTIFICATION

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

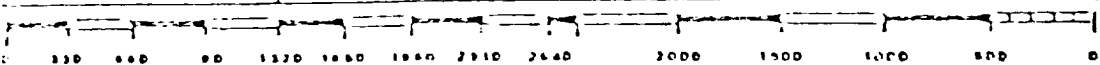
Name **John E. Schalk**  
 Position **Managing Partner**  
 Company **Schalk Development Co.**  
 Date **12-04-79**

I hereby certify that the information shown on this plat was plotted from notes of **NO** survey made by **1463** under my supervision, and that it is true and correct to the best of my knowledge and belief.



Date Surveyed **November 14, 1979**  
 Registered Professional Engineer and/or Land Surveyor

**James P. Leese**  
 Certificate No. **1463**



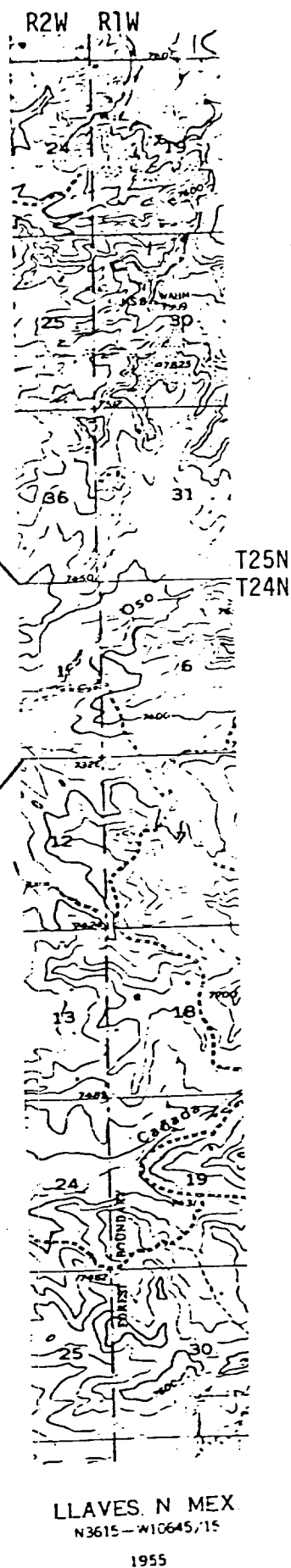
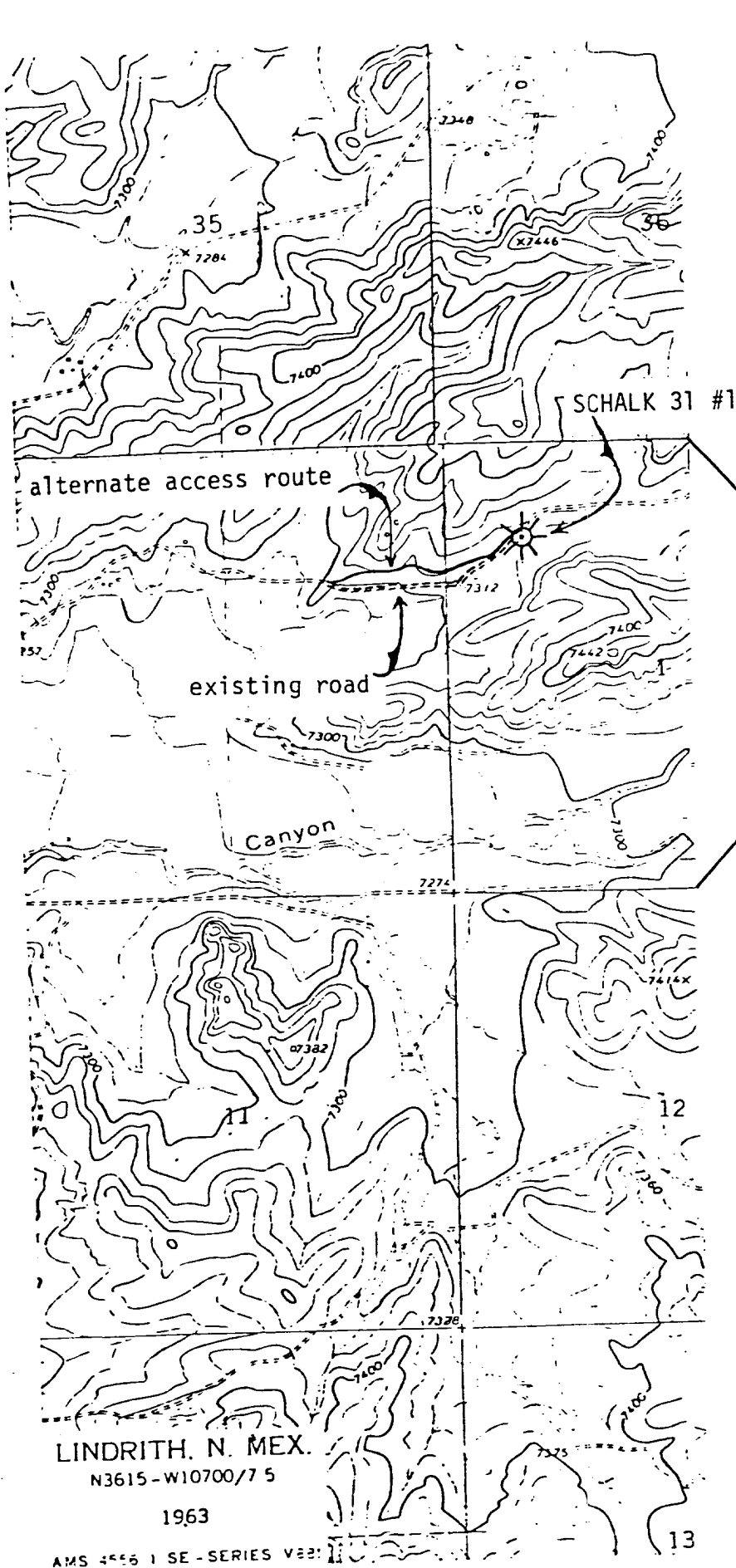


Figure 1