

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. USA NM 18328	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----	
2. NAME OF OPERATOR John E. Schalk		7. UNIT AGREEMENT NAME -----	
3. ADDRESS OF OPERATOR P. O. Box 25825, Albuquerque, New Mexico 87125		8. FARM OR LEASE NAME Schalk 29-4	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 990' from the South line, 1060' from the West line, At proposed prod. zone Section 32, Township 29 North, Range 4 West		9. WELL NO. 6	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 40 Miles East of Bloomfield, New Mexico		10. FIELD AND POOL, OR WILDCAT Undesignated	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 990'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 32, T29N, R4W	
16. NO. OF ACRES IN LEASE 640		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4525'		19. PROPOSED DEPTH 4525'	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* July 10, 1977	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7489' GR		22. APPROX. DATE WORK WILL START* July 10, 1977	

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#	150'	150 Sacks
7-7/8"	4-1/2"	10.5#	4525'	300 Sacks

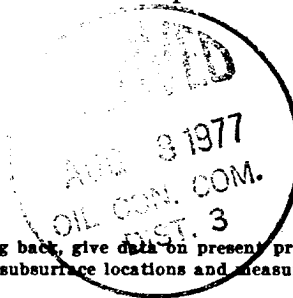
ESTIMATED TOPS (KBM)

Kirtland 3956'
Fruitland 4200'
Pictured Cliffs 4362'

Pressure control equipment-see attached diagram of BOP
Circulating medium-Low solids, betonitic drilling fluids
No testing or coring
Do not anticipate any abnormal pressure
Duration of operations - 20 days

LOGS

Dual Induction-Laterolog
Compensated Neutron-Formation Density
Correlation Log
Cement Bond Log



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 John E. Schalk TITLE Operator DATE 7-14-77

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
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 ARAPAHOE		Lease Schalk 29-4		Well No. 6
Unit Letter M	Section 32	Township 29N	Range 4W	County Rio Arriba
Actual Footage Location of Well: 990 feet from the South line and 1060 feet from the West line				
Ground Level Elev. 7489	Producing Formation Pictured Cliffs	Pool 6000 - EXT	Dedicated Acreage: 1.00 Acres	

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 (X) 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.

John E. Schalk
 Name John E. Schalk
 Position Operator
 Company _____
 Date 6-15-77

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.

8 Jan. 1977
 Date Surveyed _____
James P. Leese
 Registered Professional Engineer
 and/or Land Surveyor
James P. Leese
1463
1463
 Certificate No. _____

