



Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80295
(303) 861-5252

January 4, 1978

U. S. Geological Survey
P. O. Box 1809
Durango, Colorado 81301

Re: Application for Permit to Drill
Jicarilla "B" No. 1-A
Rio Arriba County, New Mexico

Gentlemen:

Following is the information requested in NTL-6 to accompany the permit to drill:

1. Location: 845' FSL & 1065' FEL Section 26, T26N, R4W NMPM
Rio Arriba County, New Mexico
2. Elevation of Unprepared Ground: 7075'
3. Geologic Name of Surface Formation: San Jose
4. Type Drilling Tools: Rotary
5. Proposed Drilling Depth: 6025'
6. Estimated Tops of Geologic Markers: Pictured Cliff 3663'; Cliff House 5321'; Pt. Lookout 5747'
7. Estimated Depths at Which Anticipated Gas or Oil Bearing Formations Expected: Pictured Cliff 3663'; Cliff House 5321'; Pt. Lookout 5747'
8. Casing Program and Setting Depth:

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	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Condition</u>	<u>Setting Depth</u>
Surface	10-3/4"	40.5#	H-40	New	300'
Intermediate	7"	23#	K-55	New	3980'
Liner	4-1/2"	10.50#	K-55	New	6025'

at

9. Casing Setting Depth and Cementing:

- a. Surface casing will be set at 300'. Cement will be circulated to surface with approximately 250 sx. neat cement containing 2% CaCl_2 .
- b. Intermediate casing will be set to approximately 300' below the top of the Pictured Cliff or approximately 3980'. Cement will be approximately 150 sx. 65/25 Pozmix containing 12% gel followed by 100 sx. neat containing 2% CaCl_2 .
- c. Liner will be set to total depth of approximately 6025' using estimated 250 sx. 50/50 Pozmix containing 4% gel and some lost circulation material (Tuf-plug or Gilsonite).

Note: Volume of cement to be determined after running Caliper log.

10. Pressure Control Equipment: See attached diagram "A"

11. Circulating Media: 0-300' fresh water spud mud; 300-3980' fresh water low solid mud with following properties:

Viscosity 32-38 sec., water loss 20-6 cc, weight 8.5-9.0 ppg. with heavier weights if required by well conditions; 3980-6025' air or gas with conversion to mud of above characteristics if hole becomes wet.

12. Testing, Logging and Coring Programs:

- a. Open hole logs will be run prior to running intermediate casing and production liner.
- b. Coring is not planned.

13. Abnormal Pressure or Temperature and Hydrogen Sulfide Gas:

We do not anticipate abnormal pressure, temperature, or hydrogen sulfide gas; however, remote control blowout preventer as shown on attached diagram "A" will be installed.