

# Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING  
1860 LINCOLN STREET  
DENVER, COLORADO 80202  
(303) 255-1751

80295

March 17, 1977

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

Re: Application for Permit to Drill  
Champlin 7A-25  
Rio Arriba County, New Mexico

Gentlemen:

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

1. Location: 1190' FSL and 825' FEL Sec. 25, T27N, R4W, Rio Arriba County, New Mexico
2. Elevation of Unprepared Ground: 7340' GL
3. Geologic Name of Surface Formation: San Jose
4. Type Drilling Tools: Rotary
5. Proposed Drilling Depth: 6600'
6. Estimated Tops of Geologic Markers: Pictured Cliff 4100'; Cliff House 5910'; Pt. Lookout 6280'; Mancos 6390'
7. Estimated Depths at Which Anticipated Gas or Oil Bearing Formations Expected: Pictured Cliff 4100'; Cliff House 5910'; Pt. Lookout 6280'
8. Casing Program and Setting Depth:

	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Condition</u>	<u>Setting Depth</u>
Surface	10-3/4"	40.5#	X-42	New	300'
Intermediate	7"	23#	K-55	New	4400'
Liner	4-1/2"	10.5#	K-55	New	6600'

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%  $\text{CaCl}_2$ .
- b. Intermediate casing will be set to approximately 300' below the top of the Pictured Cliff or approximately 4400'. Cement will be circulated to surface using approximately 350 sx. 65/25 Pozmix containing 12% gel followed by 100 sx. neat containing 2%  $\text{CaCl}_2$ .
- c. Liner will be set to total depth of approximately 6600' 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; 300-4400' 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; 4400-6600' 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:

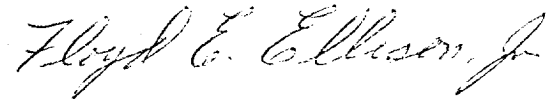
We do not anticipate abnormal pressure, temperature, or hydrogen sulfide gas; however, remote control blowout preventer as shown on attached diagram "A" will be installed.

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14. Anticipated Starting Date: Drilling operations should start shortly  
after April 15, 1977
15. Other Facets of the Proposed Operations: None

Yours very truly,

CONSOLIDATED OIL & GAS, INC.



Floyd E. Ellison, Jr.  
Area Production Manager

FEE:lt  
Attach.