

# BOLIN OIL COMPANY

1120 Oil and Gas Building — WICHITA FALLS, TEXAS 76301 — (817) 723-0733

August 13, 1976

United States Department of the Interior  
Geological Survey  
Oil and Gas Operation  
P. O. Box 1809  
Durango, Colorado 81301

Gentlemen:

Bolin Oil Company is filing this application to drill a development gas well to be designated as Candado #17-A in the Southeastern quarter of Section 10, Township 26 North, Range 7 West, Rio Arriba County, New Mexico. The following measures are proposed to comply with the plan for surface use and operations:

- 1) Existing roads. The accompanying U.S.G.S. topographic map (2" = 1 mile) includes a readily identified reference point and the main access road as well as all existing access roads within a 3 mile radius of the proposed location. The existing access road by which the location can be reached has been filled in by red coloring.
- 2) Planned access roads: The planned access road to the location is indicated by red ink on the accompanying map. It will leave an already existing access road used in servicing field wells. The road will be about 800 feet long and 12 feet wide. The maximum gradient is approximately 6%. Adequate drainage is easily accomplished by slightly elevating the center line of roads in this arid locale. The route of the road has been staked. There are no gates, cattle guards or fences involved in the construction of the planned road.
- 3) Location of existing wells. All existing wells within a mile radius of the proposed location are shown. There are no abandoned nor water wells in the included area.

- 4) Location of tank batteries, production facilities, and production gathering, and service lines. The proposed test is to proven gas producing formations, therefore tank batteries are not anticipated nor indicated on the map. The applicant for this test does not own nor control any gathering facilities and consequently only the location of the proposed flow line to the existing facilities is shown on the map; the line will be buried. Plans for rehabilitation of any disturbed areas are included in step 10 of this plan for surface use and operations.
- 5) Location and type of water supply (rivers, creeks, lakes, ponds, and wells). Fresh water for drilling will be hauled by tank truck from ponds in Largo Canyon.
- 6) Source of construction materials. None are needed.
- 7) Methods for handling waste disposal. There are but small amounts of cuttings, drilling fluid, garbage and other waste involved in drilling a test of this type; such waste will be placed in the reserve pit. The pit will be filled and leveled immediately upon completion of drilling when possible, or fenced and allowed to dry before filling. The material used in filling the pit will be the spoil resulting from constructing it.
- 8) Ancillary facilities. No camps or airstrips are to be constructed.
- 9) Well site layout. See attached Exhibit #3.
- 10) Plans for restoration of the surface.

Successful well: All waste material will be picked up and deposited in the reserve pit. The pit will be fenced until it can be filled and leveled. The location will be dressed with dozer or blade. The access road will have borrow pits added if necessary.

Dry Hole: Waste material will be handled as stated above. In addition to filling and leveling the reserve pit, the access road will be dressed so that the topography is restored to its original

condition. The road and drillsite will then be re-seeded using the equipment and Mixture #1 as set forth in the BLM "Requirements in the Farmington Resource Area". This directive states that "all seeding will take place between July 1 and September 15". The operator will conform to these dates for replanting within 90 days after completion of the test, when possible.

- 11) Other information. Rocks of Eocene age are exposed at the surface throughout the general area. Individual sandstone members of the San Jose formation weather into a series of massive cliffs interspersed by plateaus receding from the drainage pattern. Largo Canyon and its tributaries comprise the major drainage system. It carries water only intermittently. Topographic relief in excess of 700 feet is present between the Canyon floor and the higher plateaus. The soil mantle, where present, is derived from the sandstones of the San Jose and the sparse vegetation. Juniper and Pinon are present on the table lands as well as some native grasses and sagebrush. Wild life is not abundant in the area and consists mostly of coyotes, rabbits and occasionally deer. The surface land in this entire area is owned by the Federal government.

There are no occupied dwellings in the vicinity. Water wells, permanent ponds and flowing streams are non existent. The archeological aspects of the location are covered in the attached report by R. B. Grove, archeologist.

There are no cuts or fills entailed in building the access road nor any measures necessary to accommodate potential geologic hazards.

- 12) Lessee's or operator's representative. Mr. Fred Crum, P. O. Box 400, Aztec, New Mexico 87410. Phone 505 + 334-6003.

- 13) Certification.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed

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herein will be performed by JOE KAIME - DIRT CONT.  
and its contractors and sub-contractors in conformity with this  
plan and the terms and conditions under which it is approved.

Date 8/23/76

Name and Title F. P. Crum Jr.  
Agent