

6-11300, Jan 1960, 6010.

1-B
Form 9-331C
(May 1964)

1-F

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

PERMIT IN TRIPPLICATE
Other instructions on
reverse side

DATE OF ISSUE
1-15-64 N. 42 11425

30-039-22132
BASE LOCATION AND SECTION

DE #070161

APPLICANT'S NAME

1. TYPE OF WELL

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

2. TYPE OF WELL

OIL

WATER

OTHER

DESIGNER

DATE

3. NAME OF OPERATOR

Candado

4. ADDRESS OF OPERATOR

Polin Oil Company

5. LOCATION OF WELL

6. LOCATION OF WELL

Blanco Mesaverte

7. SECTION, RANGE, TOWNSHIP, AND COUNTY OF AREA

Sec. 9-26N-7W

8. COUNTY OR PARISH, U.S. STATE

Rio Arriba

N. Mex.

9. LOCATION OF WELL (Give location clearly and in accordance with State requirements)

P. O. Box 400, Antec, New Mexico 87410

10. LOCATION OF WELL (Give location clearly and in accordance with State requirements)

1400' ENE 1/4 205' T1E (1st 1/4) Sec. 9-26N-7W

11. AT PROPOSED LOCATION

Mesaverte

12. DISTANCE TO NEAREST TOWN AND DIRECTION FROM TOWN

Approximately 25 miles NW/Blanco, N. Mex.

13. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR TRAIL LINE, ETC.

0.5'

14. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR TRAIL LINE, ETC.

0.5'

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR TRAIL LINE, ETC.

250'

16. ELEVATIONS (Show whether DE, RE, GR, etc.)

6053' GS

17. PROPOSED CASING AND CEMENTING PROGRAM

18. SIZE OF HOLE

19. SIZE OF CASING

20. WEIGHT OF CASING

21. CEMENT DEPTH

22. QUANTITY OF CEMENT

12 1/4"

8 5/8"

24.5

100'

To circulate to surface.

7 7/8"

5 1/2"

10.0

4,000'

To circulate to surface.

Proposed drilling program:

Drill 12 1/4" hole to 300'. Set 8 5/8" cas. & circulate cement to surface.

W.O.C. 12 hrs.

Drill 7 7/8" hole to estimated 4000'.

Run necessary logs for adequate evaluation.

Complete by setting 5 1/2" cas. & circulate cement to surface. Perforate & sand frac.

If dry, will P & A as per regulation.

Hydraulic B.O.P. will be installed & operated daily; results to be noted on daily drilling report. (Schematic diagram attached.)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposed program is to produce gas, give data on present productive zone and proposed new productive zone. If proposed program is to drill or deepen directionally, give data on direction, depth, and most critical true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

J. P. Crum Jr.

REPORT

DATE

8/3/79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

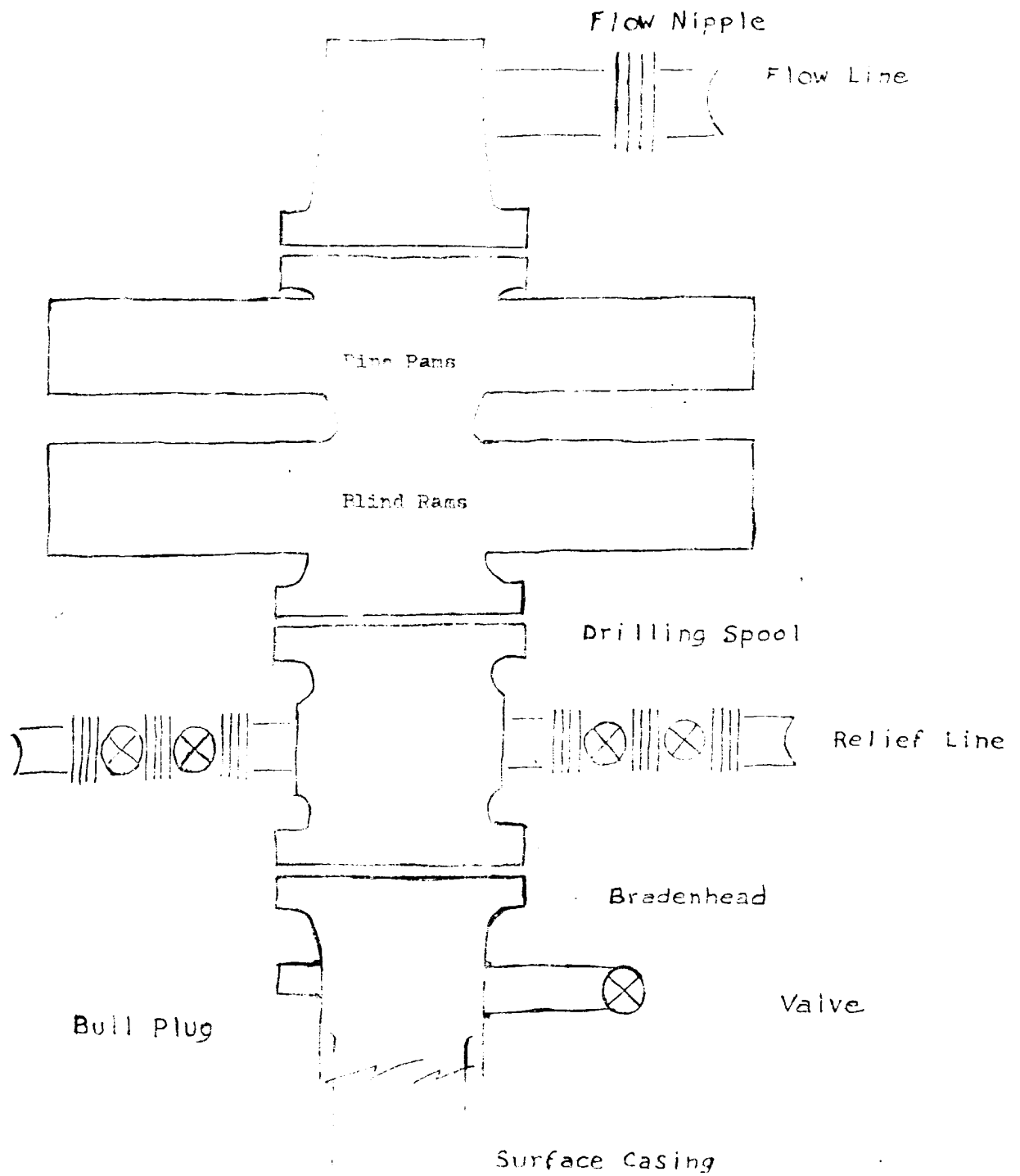
CONDITIONS OF APPROVAL, IF ANY:

ok Frank



*See Instructions On Reverse Side

Schematic Diagram B.O.F.



Series 900 Double Gate BOP rated
at 3000 psi Working Pressure

BOLIN OIL COMPANY

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

Local address:

P. O. Box 400
Antec, New Mexico 87410

United States Geological Survey
Federal Building
701 Camino Del Rio
Durango, Colorado 81301

Re: Proposed Candado #24-A
NW/4 Sec. 9 T26N R7W
Rio Arriba County, N. M.

Gentlemen:

BOLIN OIL COMPANY is filing this application for permit to drill the above captioned developmental gas well. Some estimated tops of geologic markers in the area are as follows: Kirtland @ 1660', Pictured Cliffs @ 2200', Chacra @ 3100' and Point Lookout @ 4475'. Gas production is projected for the Chacra formation and the Pt. Lookout member of this Mesaverde test.

The proposed casing program is as stated on the accompanying Federal form 9-331 C. New pipe will be used in all instances and cemented to the surface.

Hydraulic blow-out preventers, as shown on the schematic diagram attached to the Application for Permit to Drill, will be used. The drilling medium will be fresh water and gel to 300', and fresh water and low water loss mud to total depth. Mud will be monitored through out operation. No abnormal pressures/temperatures are anticipated in this well.

The expected starting date of this operation is as soon as possible, as indicated on form 9-331 C, subject to the availability of equipment.

The following measures are proposed for a surface use plan:

- 1.) Existing roads: The accompanying U.S.G.S. topographic Map #1 (2" = 1 mile) includes a readily identified reference point and the main access road as well as all existing access roads within a mile of the proposed location.

- 2) Planned access roads: There is no access road planned: the west edge of the proposed location borders on an existing road.
- 3) Location of existing wells: All existing wells within a mile radius of the proposed location are shown on the vicinity map included for your information. There are no abandoned wells or water wells in the area.
- 4) Location of tank batteries, production facilities, and production gathering and service lines: Please refer to vicinity map #2. Any tanks or production facilities needed by the operator will be situated on the wellsite. The applicant for this permit to drill does not own nor control any gathering facilities and consequently, only the location of the proposed flow line to the existing facility is shown on Map 1; 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: Fresh water for drilling will be hauled by tank truck from ponds in Large Canyon.
- 6) Source of construction materials: No additional materials will be required.
- 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 a dozer or blade.

Re-seeding operations will be carried out as prescribed using Mixture #1, Farmington Resource Area. Paint for surface equipment will be U.S. #595 R-57. Dry Hole: Waste material will be handled as noted above. The reserve pit will be filled and leveled with the original contour maintained as closely as possible. With the surface thus dressed and restored, the entire drillsite will then be re-seeded during the time period, equipment and Mixture #1, as set forth in BLM "Requirements in the Farmington Resource Area".

- 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 at the immediate well site is in the Largo Wash floodplain.

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 Bill Baylor, archeologist, NMSU, San Juan Campus.

- 12) Lessee's or operator's representative: Mr. Fred Crum, P. O. Box 400, Aztec, New Mexico 87410. Phone: 505 / 334-6003. Please direct all correspondence regarding this application to this address.

- 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,

U.S.G.S.
page 4

.....true and correct; and, that the work associated with the operations proposed herein will be performed by BOLIN OIL CO. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date

8/3/79

Name

F. P. Crum Jr.

Title agent

BOLIN OIL COMPANY

Archaeology clearance

Proposed Well: CANDADO #24A ✓

Land Status: Bureau of Land Management

Location: 1490 feet from the North line and 905 feet from the West line of Section 9, Township 26 North, Range 7 West, N.M.P.M., in Rio Arriba County, New Mexico. (Figure 1)

Pad size: 100 X 200 feet.

Access: Adjacent to existing location. No new access.

Area surveyed: 2.07 acres.

Terrain: Largo Wash floodplain.

Soil: Sandy loam.

Vegetation: Greasewood, sand dropseed, saltbush, wild mustard, and sticktight.

Cultural Resources: None found.

Recommendations: Clearance is recommended.

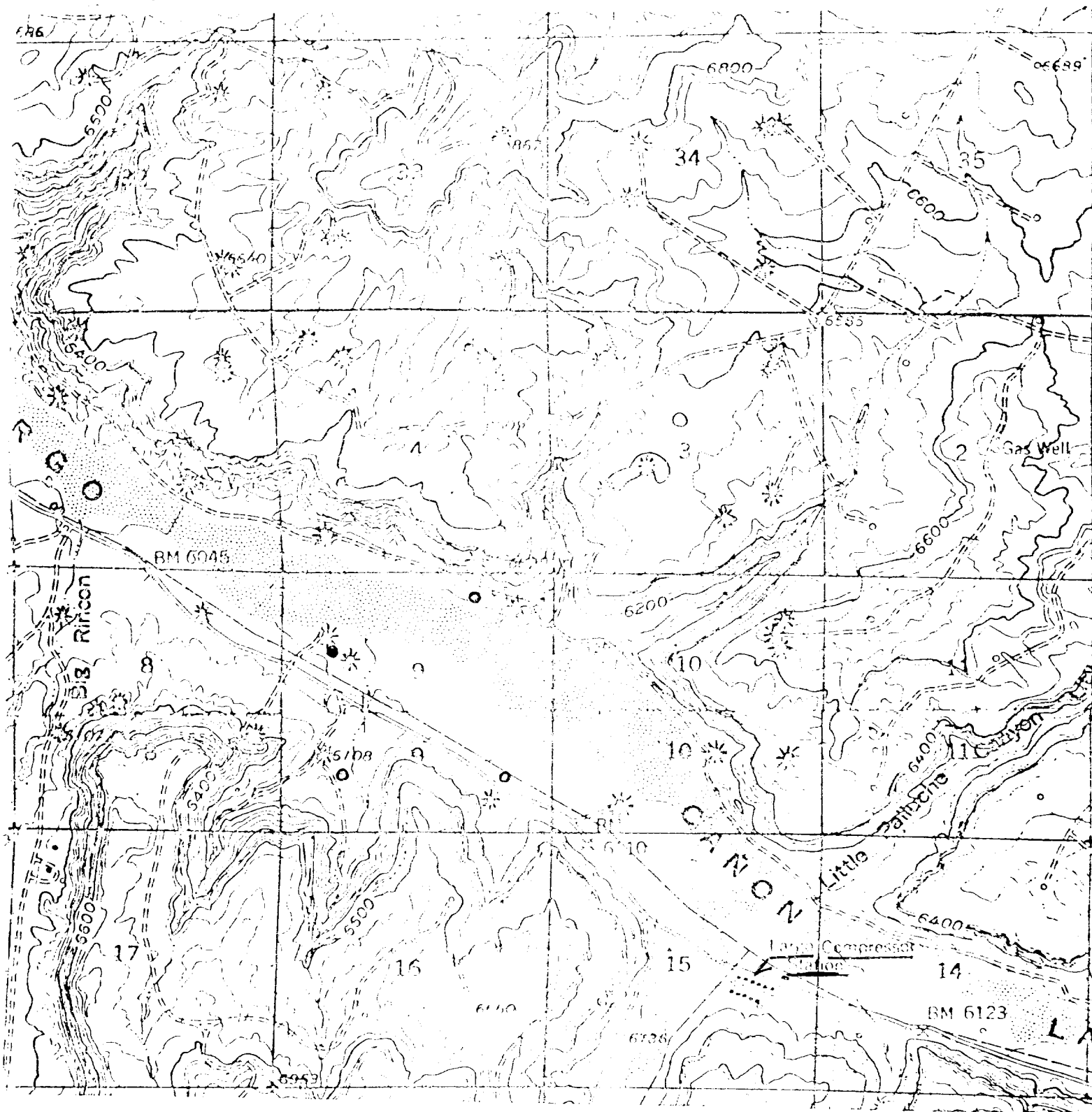
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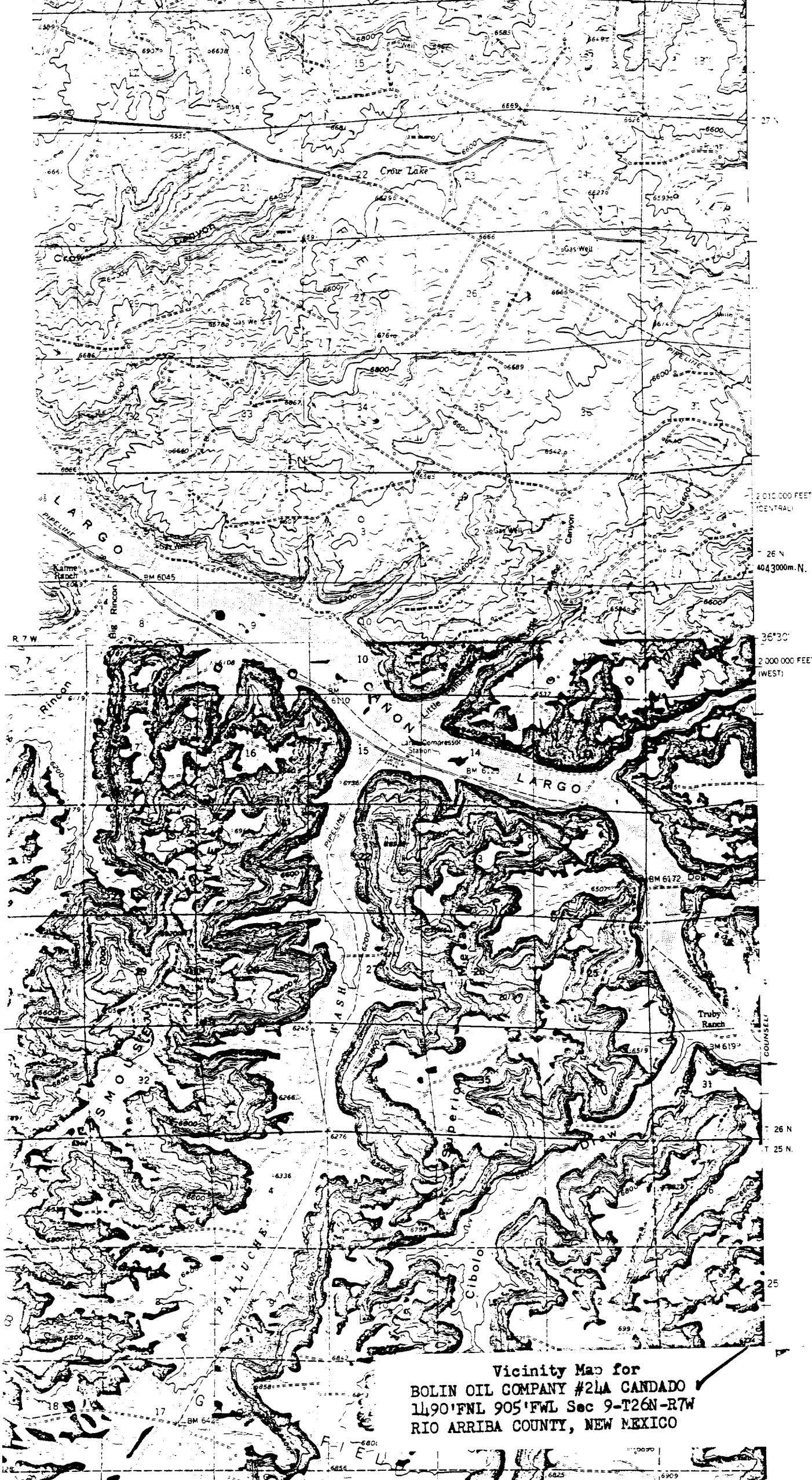
KEY

-  - Locatable reference point
-  - Planned access road
-  - Proposed location

MAP I

CANDADO #24-A ✓

POLIN OIL COMPANY



Vicinity Map for
BOLIN OIL COMPANY #2LA CANDADO
1190' FNL 905' FWL Sec 9-T26N-R7W
RIO ARriba COUNTY, NEW MEXICO