

ILLEGIBLE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30-039-22134

SF 7072161

G. F. INTENT, TYPE, OR NAME

1. NAME OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

2. TYPE OF WELL

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All distances must be from the outer boundaries of the Section.

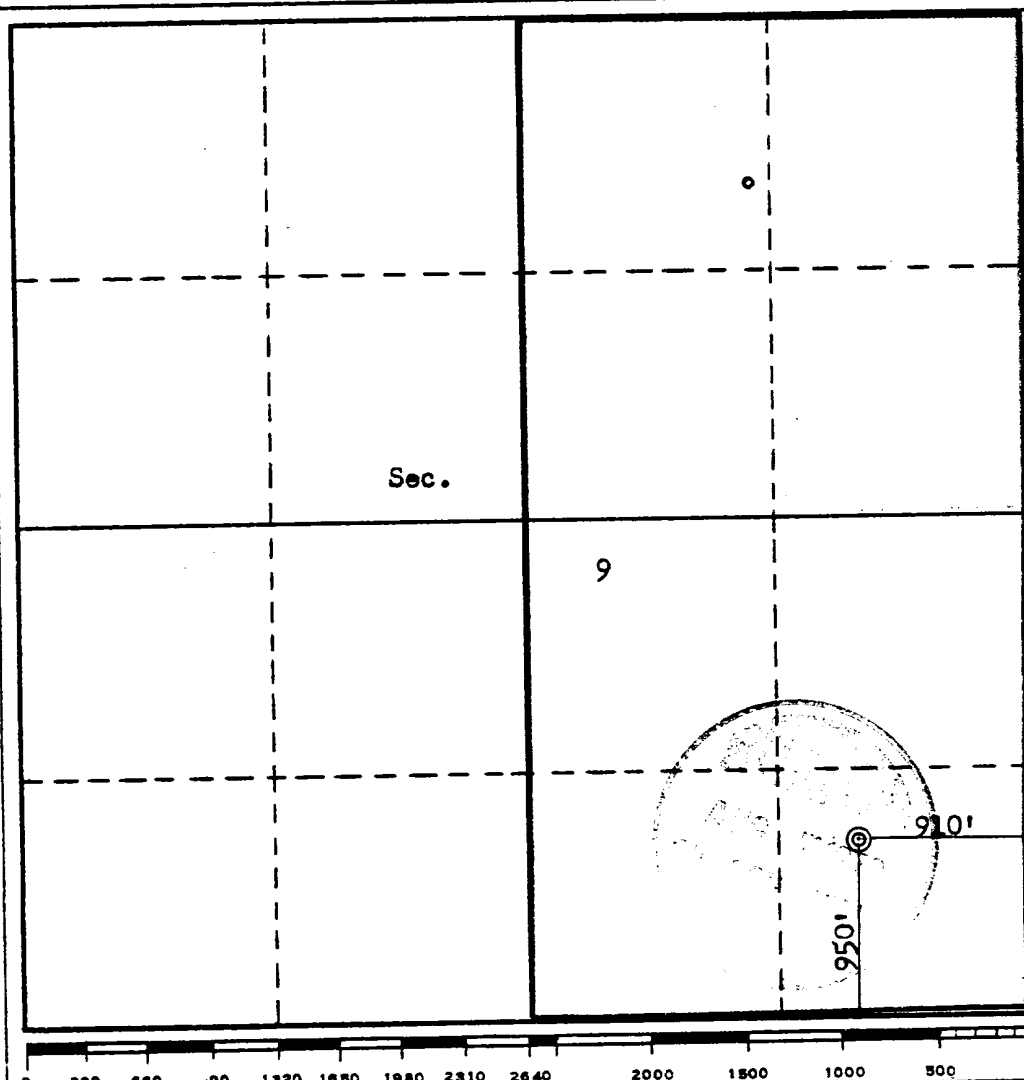
Operator BOLIN OIL COMPANY		Lease CANDADO		Well No. 23A
Unit Letter P	Section 9	Township 26N	Range 7W	County Rio Arriba
Actual Footage Location of Well: 950 feet from the South line and 910 feet from the East line				
Ground Level Elev. 6094	Producing Formation Mesa Verde	Pool Blanco	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been 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.

Name *F. P. Cronin Jr.*

Position
Geologist

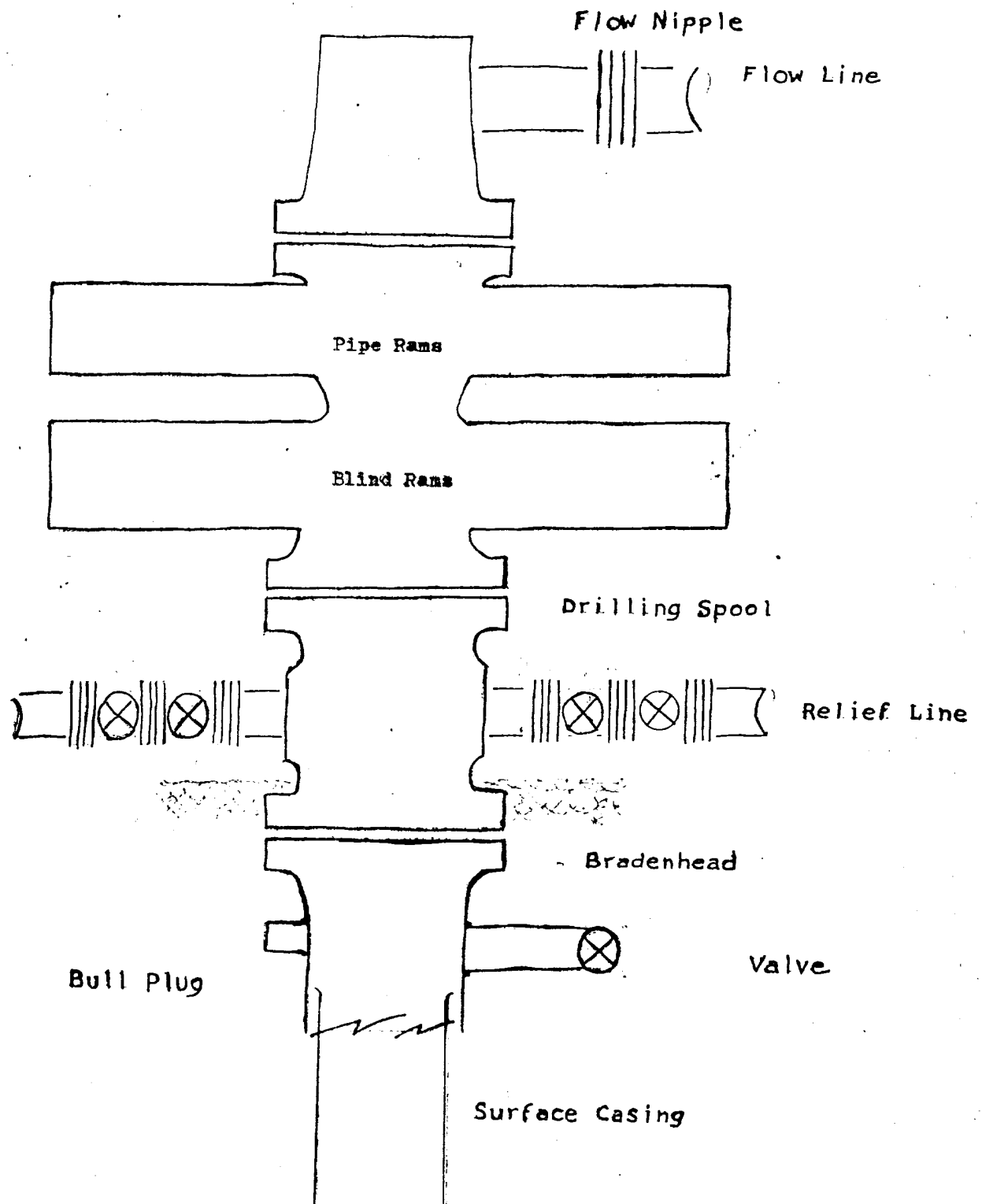
Company
BOLIN OIL COMPANY

Date
7/31/79

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.

Date Surveyed
July 10, 1979
Registered Professional Engineer
and/or Land Surveyor
Fred B. Kerr, Jr.
Certificate No. **3950**
MEX.

Schematic Diagram B.O.P.



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
Aztec, New Mexico 87410

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

Re: Proposed Candado #23-A
SE/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 preventors, 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 as 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 south 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 rights 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 located 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 12 of this plan for future use and operations.
- 5) Location and type of water supply: Fresh water for drilling will be hauled by truck truck from ponds in Largo 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 sludge, garbage and other waste involved in drilling operations of this type; such waste will be placed in the reservoir. 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 Type #595 #137. Dry Hole: Waste material will be handled as stated 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 using the time-period, equipment and Mixture #1, as set forth in the "Requirements in the Farmington Resource Area".

- 11) Other information: Rocks of Tertiary 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 of the proposed 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 Naylor, 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 7/31/79

Name F. P. Crum Jr.

Title agent

BOLIN OIL COMPANY

Archeology clearance

Proposed Well: CANDADO #23A

Land Status: Bureau of Land Management

Location: 950 feet from the South line and 910 feet from the East 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 road. No new access required.

Area surveyed: 2.07 acres.

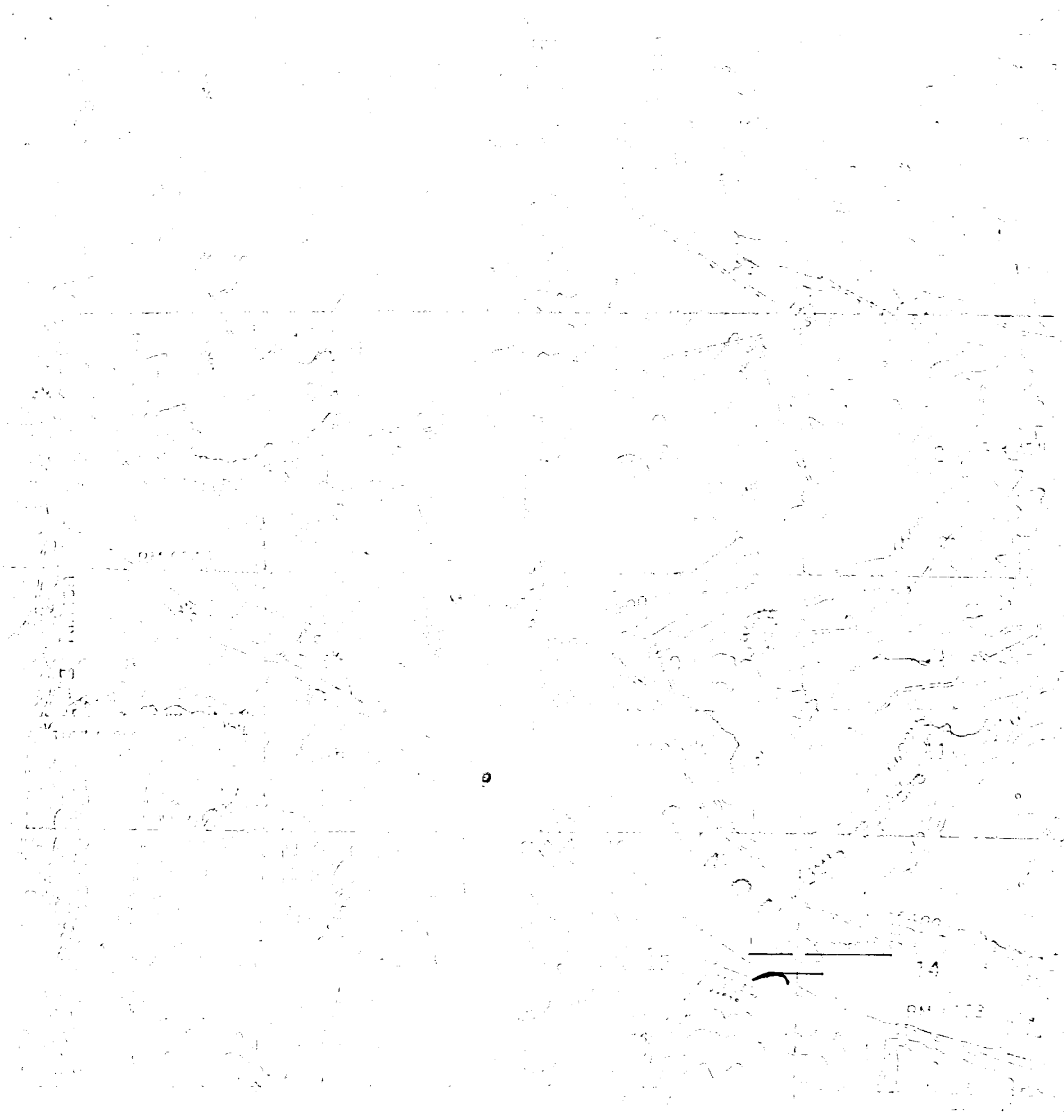
Terrain: Largo Wash floodplain.




Soil: Alluvial sand.

Vegetation: Sagebrush, flendler, greasewood, prickly pear, sand dropseed, cheatgrass, and amaranth.

Cultural Resources: None found.

Recommendations: Clearance is recommended.



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COMPANY

LAND # 23A

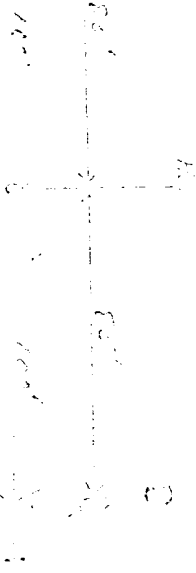
E 1/4 Sec. 9 T20N R27E
R27E, T20N, R27E

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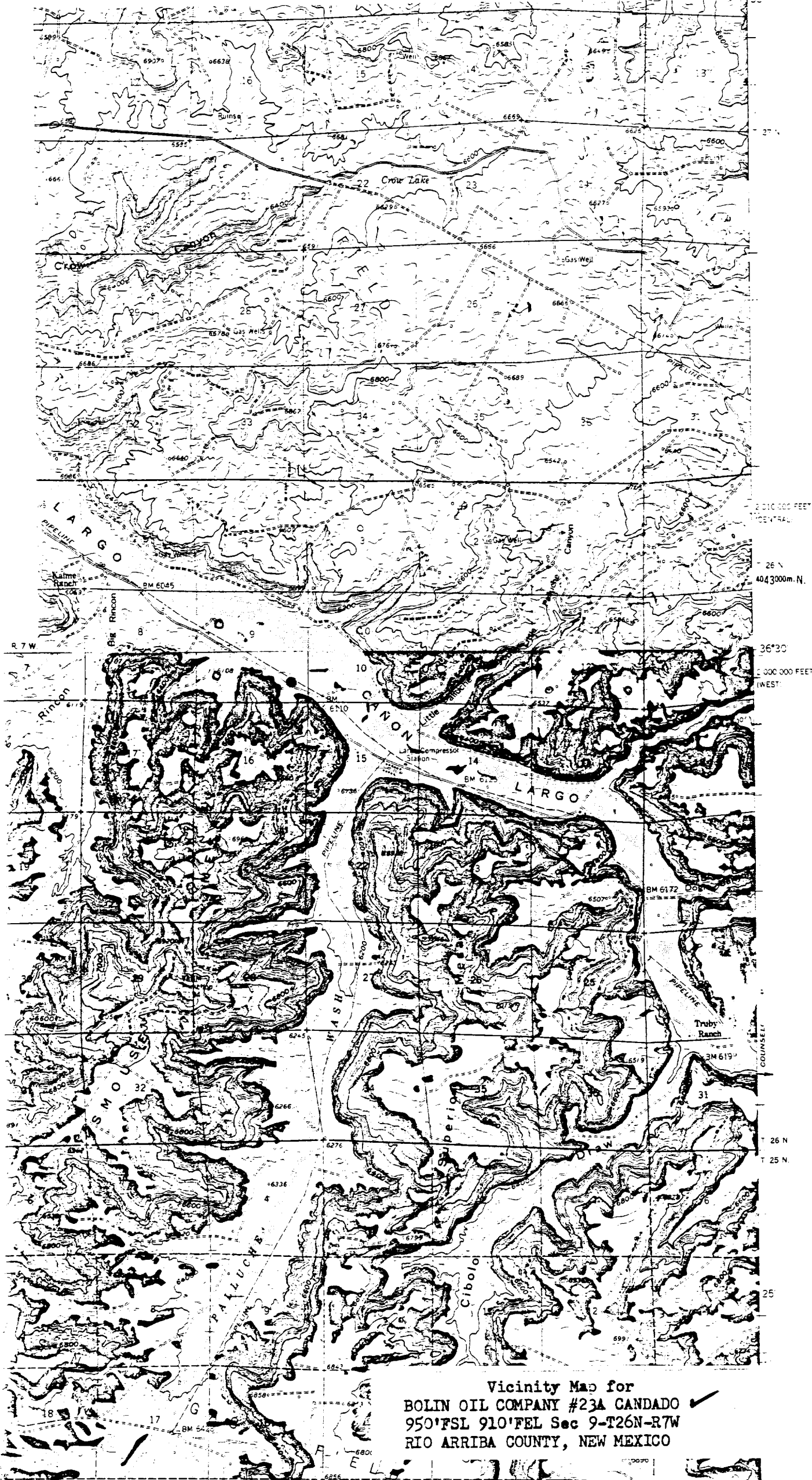
Reserve Pit
150' x 75' x 6'

Handwritten notes in box.

Handwritten notes on left side.



RIG WELL AND ON LOCATION AT
W/ RESERVE PIT TO THE North



Vicinity Map for
BOLIN OIL COMPANY #23A CANDADO ✓
950'FSL 910'FEL Sec 9-T26N-R7W
RIO ARRIBA COUNTY, NEW MEXICO