DRILLING PLAN

MARRON WN FEDERAL COM., Well #6-A
SE/4 Section 24-27N-8W
San Juan County, New Mexico

1. Surface Formation: Tertiary - Wasatch

2. Geologic Markers:

Ojo Alamo (base)	-	2100'
Pictured Cliffs	-	2850'
Chacra	-	3900'
Mesaverde	-	4520'
Mancos	-	5350'

3. Anticipated Mineral Bearing Formations:

Ojo Alamo (Poss. Water)	-	1990'
Pictured Cliffs (Poss. Gas)	-	2850'
Chacra (Poss. Gas)	-	3900'
Mesaverde (Poss. Gas)	-	4520'

4. Casing Program: Surface - 250'± 8-5/8"OD 24# J-55 New
Prod'n. - T.D. 5-1/2"OF 15.5# J-55 New

5. Control Equipment: Blowout Preventer - Ram Type, hydraulic operated
Rams - Two: One blind ram & one pipe ram
Series - 900 (3000#WP, 6000#T)
Manufacturer - Cameron or Shaffer
Pressure test @ 1000 psi prior to drilling out of casing string. Operational checks to be made daily and on trips.
Sketch attached.

6. Drilling Fluid:

0 - 250'	Gel and lime to drill surface hole and set casing.
250' - 3550'	Water w/gell chemical addition to maintain hole.
3550' - T.D.	Low solids non dispersed: 9-9.2#; vis 38-45; water loss 8 cc or less. Maintain weight material on location.

7. Auxiliary Equipment: Kelly cock
Sub on floor with full opening valve for use in drill pipe when kelly is not in the string.

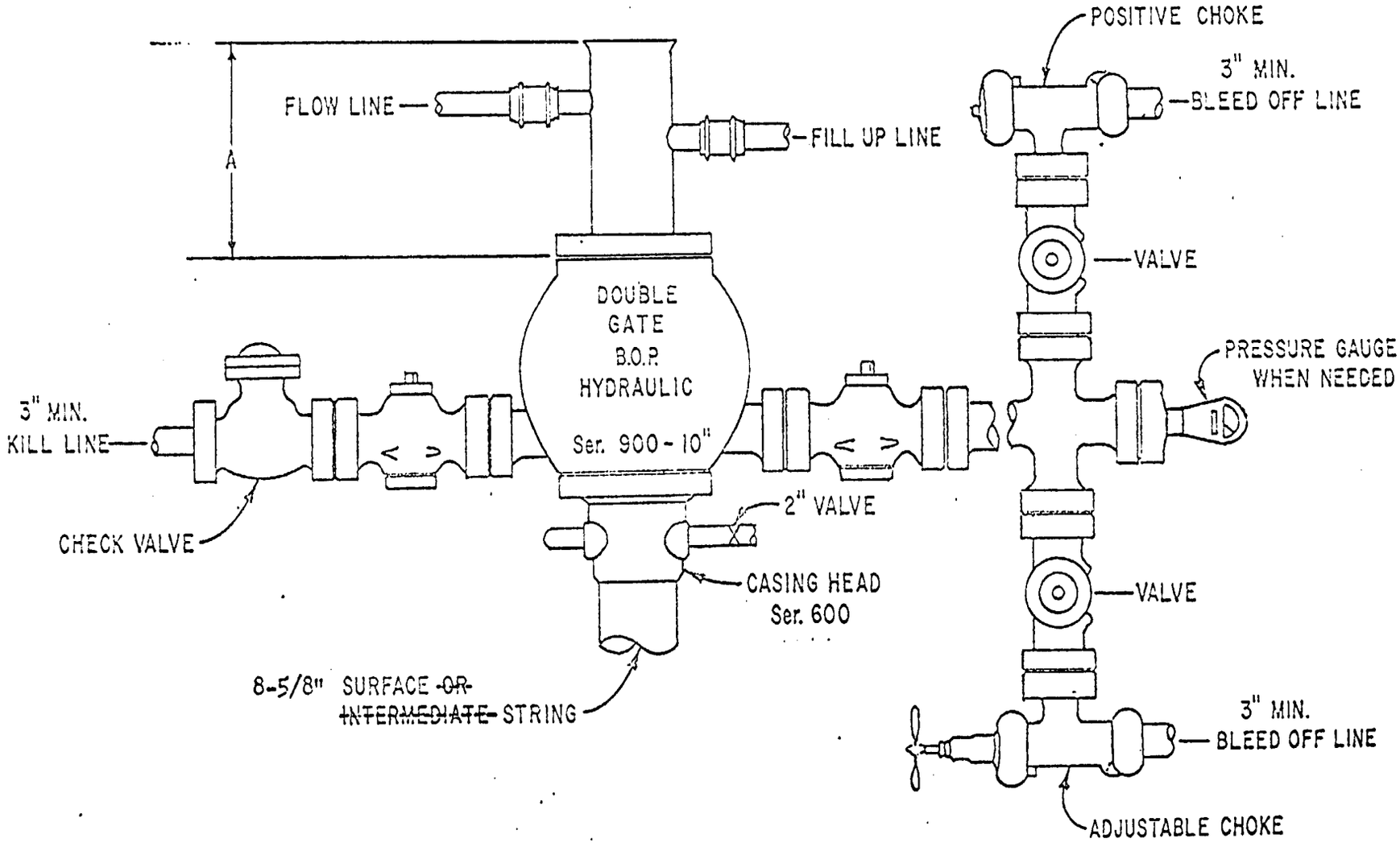
8. Testing, Logging, Coring: At this time no drill stem tests or cores are planned. Hole conditions, or information obtained while drilling, may alter these plans.

Logs: Open Hole - Dual Induction Laterolog-8 TD - Surf. Casing
Simultaneous FDC-CNL TD - 2000' ±
Cased Hole - GR-Correl, and CBL w/Var. Dens.

9. Abnormal Pressures, Temperatures, Potential Hazards: There are no abnormal pressures, temperatures, or potential hazards in the area. The maximum anticipated pressure is 950 psi. Weight material will be maintained on location and BOP will be pressure tested and kept in good working condition.

10. Starting Date- Completion: Upon receipt of the District Engineer's approval to drill, building of the road and location will be commenced, requiring approximately 5 days. Moving in and rigging up should require 5 days. Drilling to T.D., logging, and setting casing is estimated to require 13 days. Perforating, testing, treating if required, and completion should require an additional 12 days, or an estimated total of 35 days. In the event of delays (rig, services, materials, etc.) the overall time could be considerably extended.

NTL-6 indicates a minimum of 30 days are required to obtain approval, in which case operations could not be commenced until about May 15, 1977. Also, this is the 5th well of a five well drilling program, after completion of the road and location, moving in and drilling operations are estimated to commence about July 10th-15th.



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be filled upon completion of the well. If not,

SURFACE USE AND OPERATIONS PLAN

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1. Existing Roads: As shown on the attached "Existing Road, Map 1", and Existing Road - Planned Road, Map 2. The main access is east from Blanco, New Mexico on Hwy 17 approx 1-3/8 miles, then turning southeast along the east side of Canon Largo. Proceed approx 9-1/2 miles SE on the east side of Canon Largo and Carrizo Creek to W/2 Sec. 22-28N-8W and cross to west (or south) side of Carrizo Creek. Continue SE approx 4 miles and turn right on the Gould Pass road to top of mesa, then south and southwest to existing well in SE/4 Sec. 24-27N-8W (approx 6-1/2 miles after turning on Gould Pass road). From this well the new access road to location will need to be constructed.

   None of the existing roads will require improvement. Existing roads, within a one-mile radius, and as above, are colored "red" on the attached maps. The access road to be constructed is colored "blue".

2. Planned Access Road: The planned access road to be constructed will leave the existing road approx 250' north of the well in SE/4 Sec. 24, goes easterly approx. 1200' to the location. No grades are planned in excess of 8%, and grading will be minimal in order not to alter the drainage of the area. There will be no major cuts or fills, culverts, turnouts, gates, cattleguards, or fence cuts. The width will be approx. 18', or sufficient to handle drilling equipment. The surface is sandy and rocky, and no special surfacing will be required.

3. Existing Wells; As shown on the attached Map. All wells are gas wells.

4. Existing/Proposed Facilities: Atlantic's facilities within a one-mile radius are: Well #5 (Hammond Lease) NW/4 Sec. 25, Pictured Cliffs, approx. 100' gas line, buried, to gas gathering company's facilities. Well #6, NE/4 Sec. 24, dual Pictured Cliffs & Mesaverde: Pictured Cliffs has approx 100' gas line, buried, to gas gathering company's facilities; The Mesaverde has an approx 100' gas line and a fenced production unit and 100 bbl tank.

   This well is proposed as a dual Chacra & Mesaverde completion. The maximum facilities anticipated to be required would be two tanks and two production units. This will depend on the amount of liquids produced. All facilities would be located on the drill pad, and there would not be any additional surface disturbance. The tank(s) pad would be approx 18' x 36' (two tanks) x 10" high with 4" peagravel or sand on top. The production unit(s) pad would be approx 18' x 24' (incl small drain pit) and the unit(s) erected on concrete piers. The drain pit will be fenced for protection of livestock and wildlife. The area not required for facilities, or operation of the well, will be contoured as near as possible to the original contours, and restored as directed by the Bureau of Land Management.

5. Water Supply: Due to drought conditions , water is in very short supply in the area. Hopefully a source reasonably close to the well can be located, however, it is anticipated that Braden Head water from wells in Canon Largo will be used. Primarily, Graham #8, NW/4 Sec. 3-27N-8W, and Marron #7, NE/4 Sec. 22-27N-8W. Both sources are shown on Map 2. The water will be trucked and no new roads, or road improvements will be required.

6. Construction Materials: Since the surface is sandy and rocky, no construction materials will be required.

7. Waste Disposal: Cuttings and drilling fluids will be disposed of in the reserve pit. A trash, or burn, pit will be used to dispose of trash, garbage, etc.. If the reserve pit is sufficiently dry when the well is completed, both the reserve pit and trash pit will be filled upon completion of the well. If not, the trash pit will be filled upon completion of the well, and the reserve pit will be fenced to be filled when sufficiantly dry.

   Any produced fluids will be disposed of in the reserve pit. Any oil accumulations on the reserve pit during drilling and completion will be skimmed and disposed of immediately after the completion rig is moved off. Oil produced during completion will be held in a temporary tank for later disposition. Trash and debris cleanup will commence as soon as completion rig move out, and final cleanup and contouring will begin as soon as possible.

8. Ancillary Facilities: No ancillary facilities are proposed.

9. Well Site Layout: Per the attached sketches. The reserve pit, which will be approximately 25' x 75', will be unlined.

10. Restoration of Surface: Upon completion of the well, the drill site will be cleaned, rat and mouse holes filled, and trash pit filled. If sufficiently dry the reserve pit will be filled. If not, any oil accumulation will be removed and the pit fenced for protection of livestock and wildlife. Other than the area needed for operation and production facilities, the site will be contoured as near as possible to its original state. Gas line ditch will be backfilled and the access road graded for proper drainage and minimum surface damage. Reseeding, or any other restoration, will be as specified by the Bureau of Land Management.

11. Other Information: This location is on sandy, rocky soil, with scattered pinon and juniper and sparse native grasses. The slope is from north and west to south and east. A 2' cut will be required on the North & west with 2' fill on the south and east. There are no dwellings in the area and no water wells.

The lands involved are Federal lands in an established gas field. There is some sheep and cattle grazing in the area. To our knowledge there are no archeological , historical, or cultural sites which will be involved, or in the area.

With the short period of operations and restoration of the surface, any disturbance to vegetation and wildlife, will be temporary and minimal. It is not anticipated that there will be any substantial impact on the environment.

12. Lessee's or Operator's Representative:

Mr. W. A. Walther, Jr.
Atlantic Richfield Company
1860 Lincoln Street, Suite 501
Denver, Colorado 80295
Phone: A/C 303 573-4049
Res: A/C 303 798-5729

Mr. B. J. Sartain
Atlantic Richfield Company
1860 Lincoln Street, Suite 501
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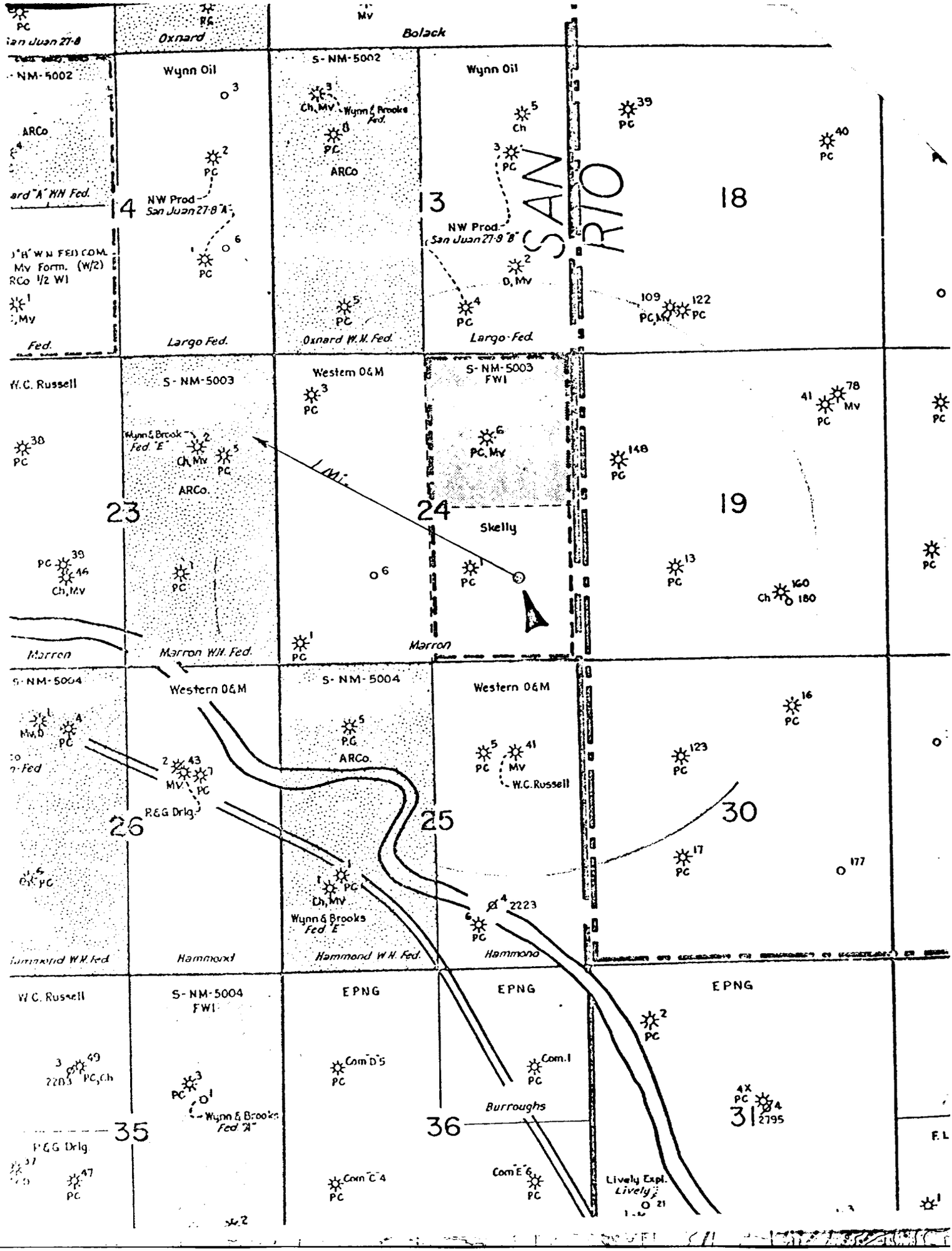
Local Representative: Mr. J. E. Taylor
Atlantic Richfield Company
P. O. Box 2197
Farmington, New Mexico 87401
Phone: A/C 505 325-7527
Res: A/C 505 325-7968

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 herein will be performed by Atlantic Richfield Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

4-18-77
Date

W. A. Walther, Jr.
Operations Manager


Oxnard
Bolack
Wynn Oil
S-NM-5002
ARCo
NW Prod.
San Juan 27-8 "A"
NW Prod.
San Juan 27-8 "B"
Largo Fed.
Oxnard W.N. Fed.
Largo Fed.
SAN JUAN
3
4
18
W.C. Russell
S-NM-5003
Western O&M
S-NM-5003 FWI
Wynn & Brook Fed. "E"
ARCo.
1 Mi.
23
24
Skelly
19
Marron
Marron W.N. Fed.
Marron
S-NM-5004
Western O&M
S-NM-5004
Western O&M
P.G.
ARCo.
W.C. Russell
P&G Drlg.
26
25
30
Wynn & Brooks Fed. "E"
Hammond W.N. Fed.
Hammond W.N. Fed.
Hammond
EPNG
EPNG
EPNG
W.C. Russell
S-NM-5004 FWI
Com D 5
Com I
Wynn & Brooks Fed. "A"
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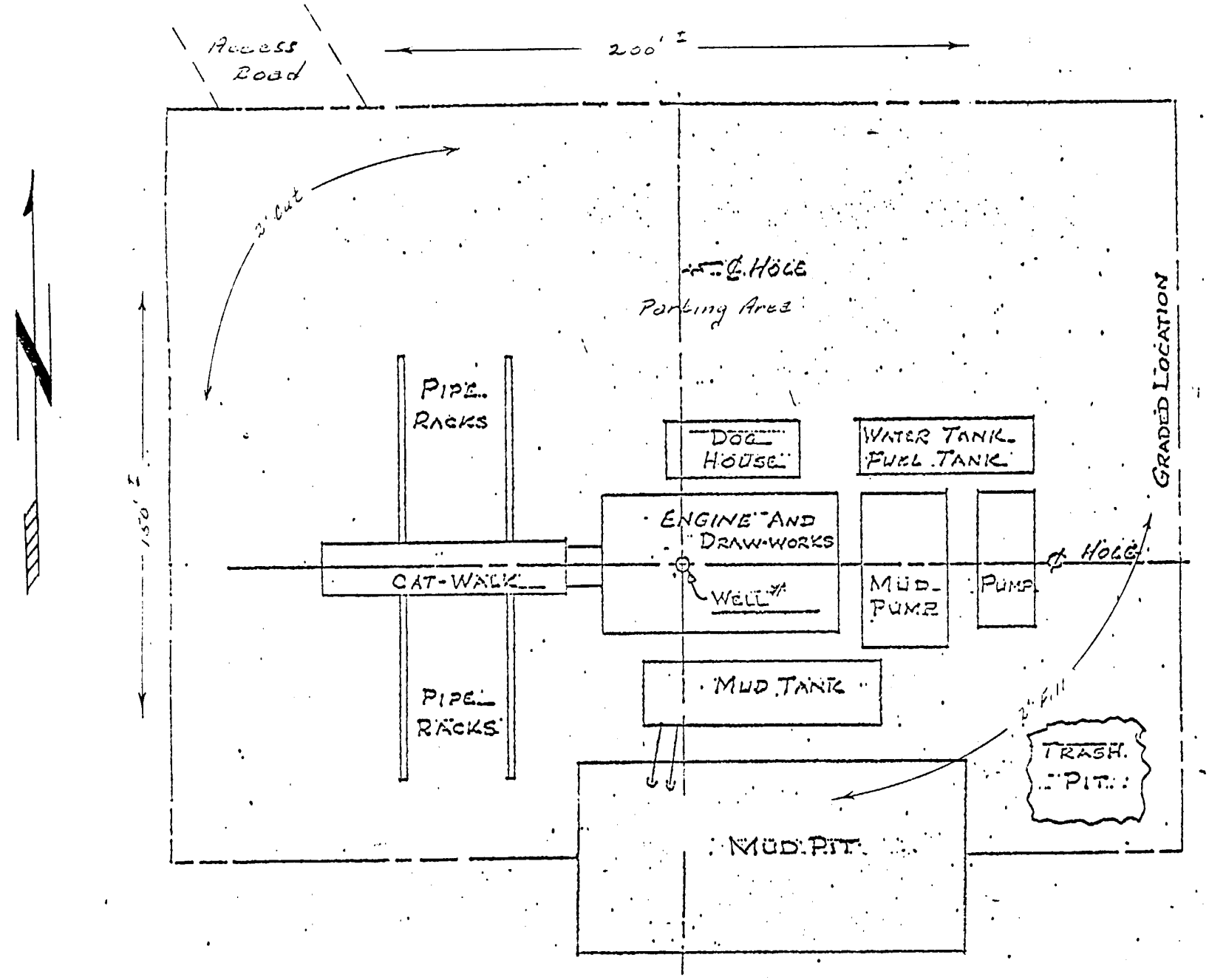
Com C 4
Com E 6
Lively Expl.
Lively
F.L.



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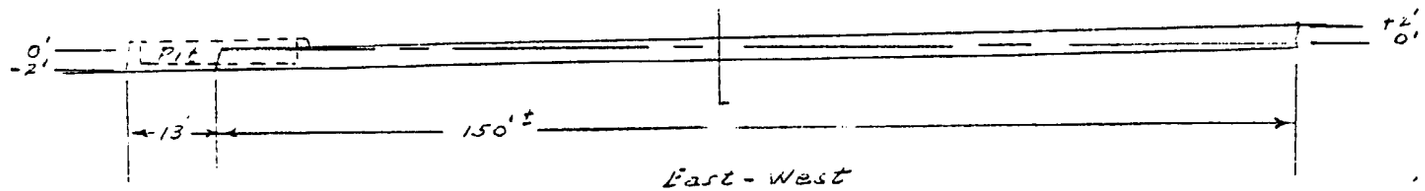
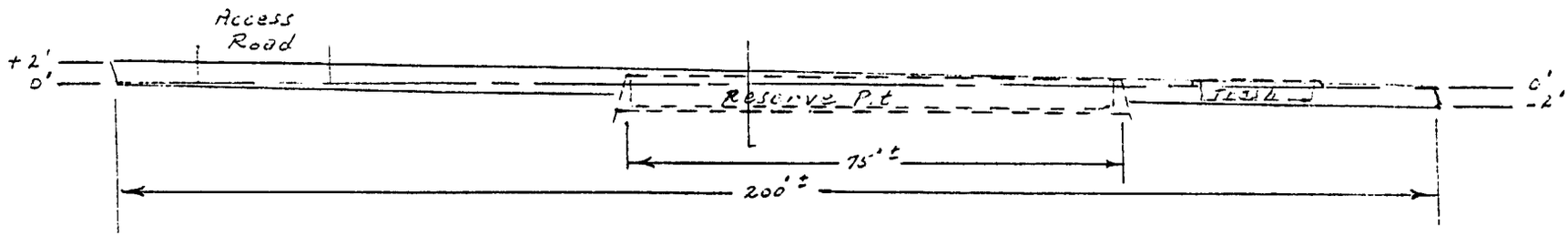


East - West



South - North

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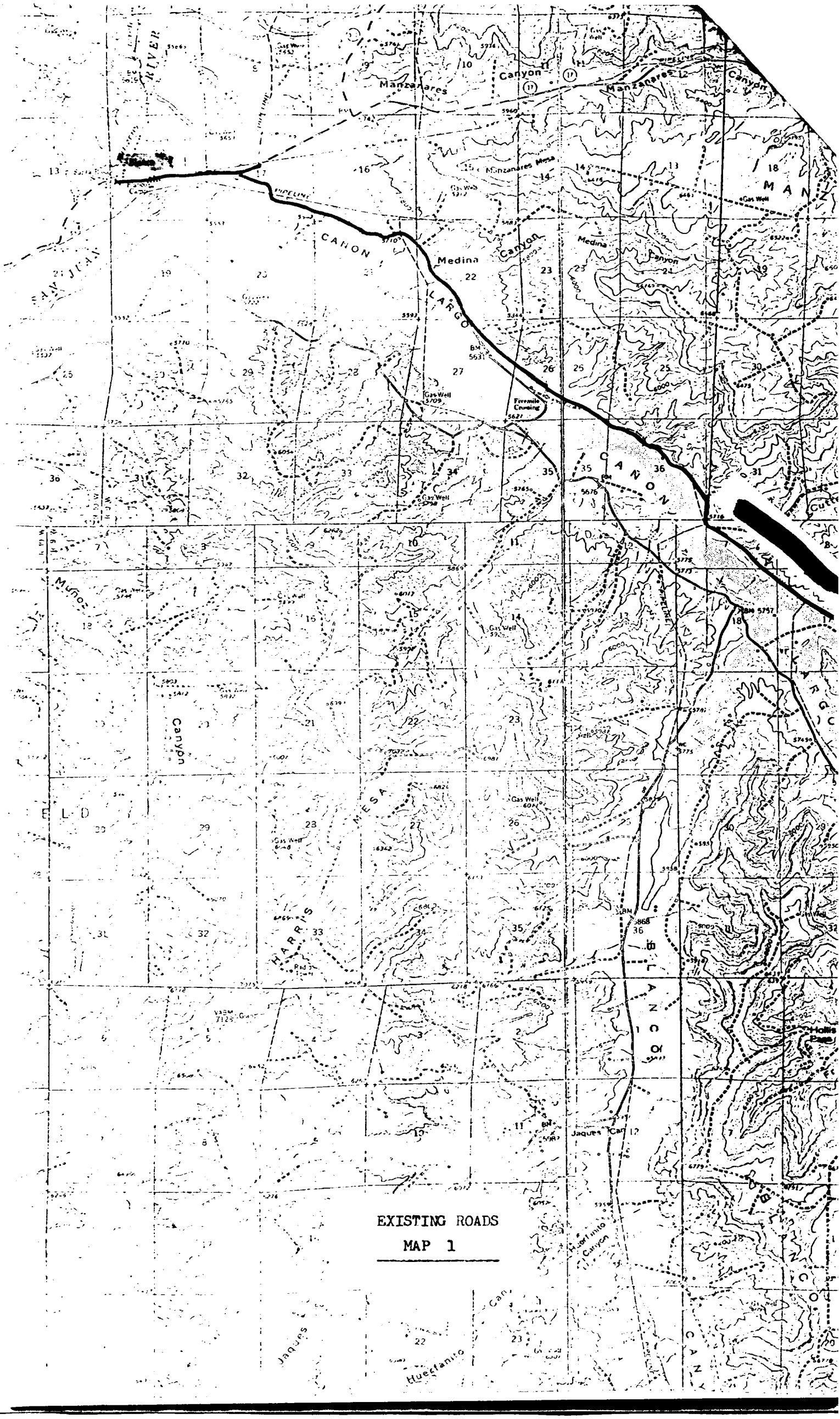
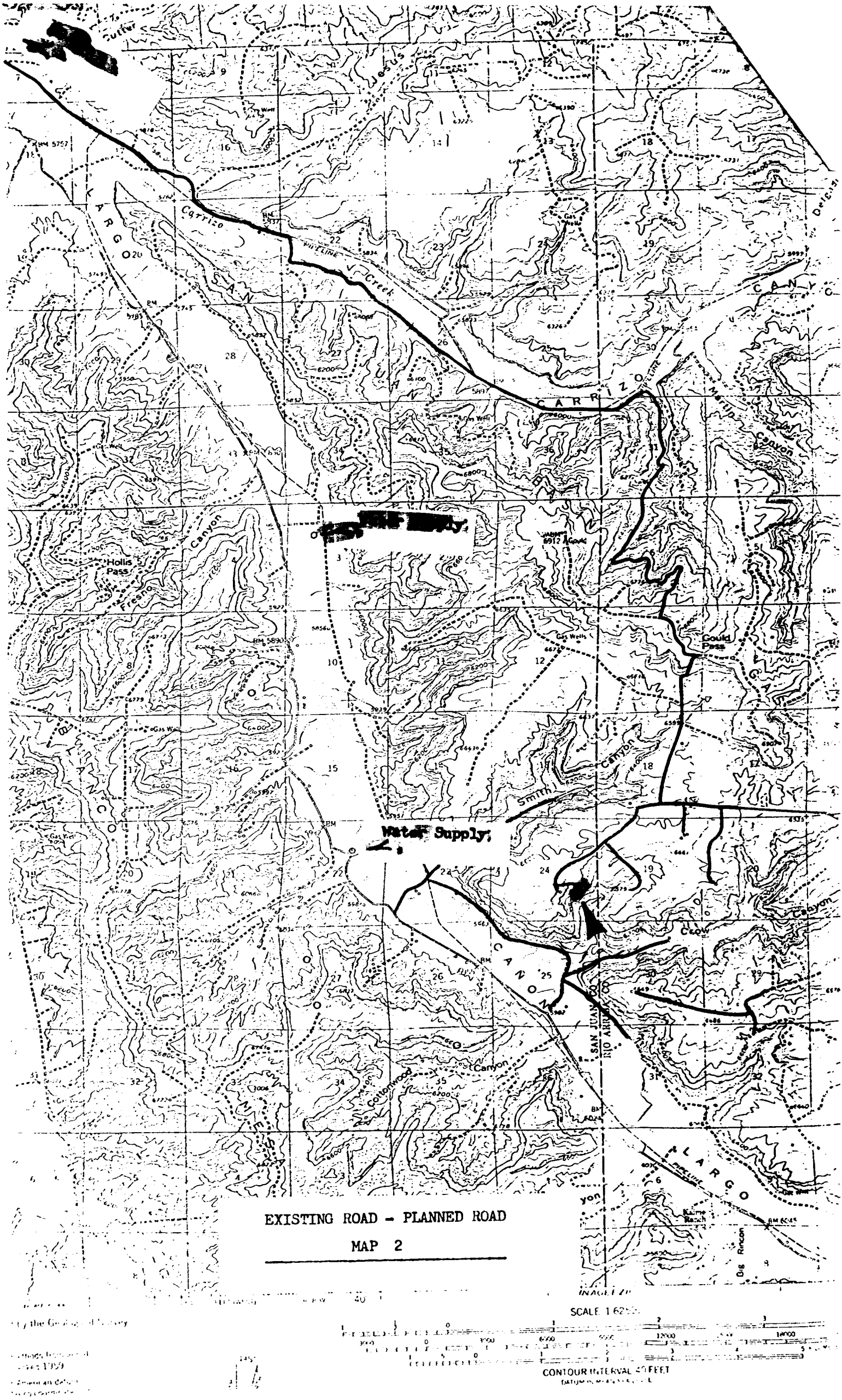

SAN JUAN RIVER
Manzanares Canyon
Manzanares Mesa
PIPELINE
CANON LARGO
Medina
Canyon
Gas Well
Fivemile Crossing
CANON
Munoz Canyon
HARRIS MESA
Jaques Canyon
Huerfanito Canyon
Hollis Page
EXISTING ROADS
MAP 1



EXISTING ROAD - PLANNED ROAD

MAP 2