DRILLING SCHEDULE - Reese Mesa #2A

Location: NW/SE Section 11, T32N, R8W, San Juan County, New Mexico

Field: Blanco Mesa Verde

Geology:

Formation Tops:				
	Ojo Alamo	2620'	Cliff House	5515'
	Fruitland	3500'	Point Lookout	6245'
	Pictured Cliffs	3860'	Total depth	6595'
	Intermediate TD	4210'		

Logging Program: IES & GR-Density at intermediate TD.
GR-Density and GR-Induction at TD.

Coring Program: None

Natural Gauges: Gauge at last connection above Cliff House, Point Lookout. and total depth. Gauge all increases in gas flow. Record gauges and depths on drilling report.

Drilling:

Contractor Tool pusher:

SRC Representative: Max Larson SRC Answering Service: 325-7391

Materials:

Casing Program:	Hole Size	Depth	Casing Size	Wt. & Grade
	12-1/4"	300'	9-5/8"	36# K-55
	8-3/4"	4210'	7"	20# K-55
	6-1/4"	4060'-6595'	4-1/2"	10.5# K-55

Float Equipment:

9-5/8" Surface casing: Pathfinder Type "A" Guide Shoe. Product #2002-1-012.

7" Intermediate Casing: Pathfinder Type "A" Guide Shoe. Product #2003-1-007. Howco self-fill insert valve. Five Pathfinder rigid centralizers. Run float valve 2 jts above shoe. Run centralizers every other jt above shoe.

4-1/2" Liner: Pathfinder Type "AP" Guide Shoe. Product #2017-1-050. Pathfinder Type "A" Flapper Float Collar. Product #2008-2-000.

Tubing: 6550' of 2-3/8", 4.7#, J-55, EUE.

Wellhead Equipment: 9-5/8" X 10" 2000 casing head, 10" 2000 X 6" 2000 tubing head.

DRILLING SCHEDULE - Reese Mesa #2A

Cementing:

9-5/8" surface casing: 160 sxs (189 cu. ft.) Class B with 1/4# gel flake per sx and 3% $CaCl_2$. WOC 12 hrs. Test to 600# prior to drlg out.

7" intermediate casing: 180 sxs 50/50 Class B Poz with 6% gel mixed with 7.87 gals water per sx followed by 70 sxs Class B with 2% $CaCl_2$. (363 cu. ft.) WOC 12 hrs. Run temperature survey after 8 hrs.

4-1/2" liner: Precede cement with 20 bbls gel water. Cement with 270 sxs 50/50 Class B Poz with 6% gel, 1/4# gel flake per sx and 0.6% Halad 9 or equivalent.

_____

_____

Date

Southland Royalty Company

June 19, 1978

United States Geological Survey
P. O. Box 959
Farmington, New Mexico

Attention: Blowout Preventer Plan

Dear Sir:

All drilling and completion rigs will be equipped with 6" or larger double gate hydraulic blowout preventers and a hydraulic operated closing unit with steel lines.

The preventer is 3000# working pressure and 6000# test.

All crews will be throoughly trained in the operation of this preventer. The preventer will be tested frequently enough to insure proper operation.

Yours truly,

C C Parsons

Curtis C. Parsons
District Engineer

P.O. DRAWER 570 (505) 325-1841 FARMINGTON, NEW MEXICO 87401

Southland Royalty Company

June 19, 1978

United States Geological Survey
P. O. Box 959
Farmington, New Mexico

Attention: Mr. P. T. McGrath

Dear Sir:

Enclosed please find map showing existing roads and planned access roads to Southland Royalty Company's Reese Mesa #2 well. The location of tank batteries and flow lines will be on location with well. A burn pit will be provided for disposal of trash. Cuttings, drilling fluid and produced fluids will be put into the reserve pit and properly disposed of depending on amount and type of fluids.

Contractor will furnish restroom facilities on location.

There will be no airstrip or camps.

Also, enclosed is a location layout showing approximate location of rig, pits and pipe racks and cut required to build this location.

Water supply will be the irrigation ditch from the Pine River. All water will be transported by truck and stored in tanks on location.

The location will be restored according to Bureau of Land Management standards. This work will begin when all related construction is finished.

Mr. Max Larson will be Southland Royalty Company's field representative supervising these operations.

Yours truly,

CC Parsons

Curtis C. Parsons
District Engineer

CCP/dg

Southland Royalty Company

United States Geological Survey
P. O. Box 959
Farmington, New Mexico 87401

Attention: Mr. P. T. McGrath

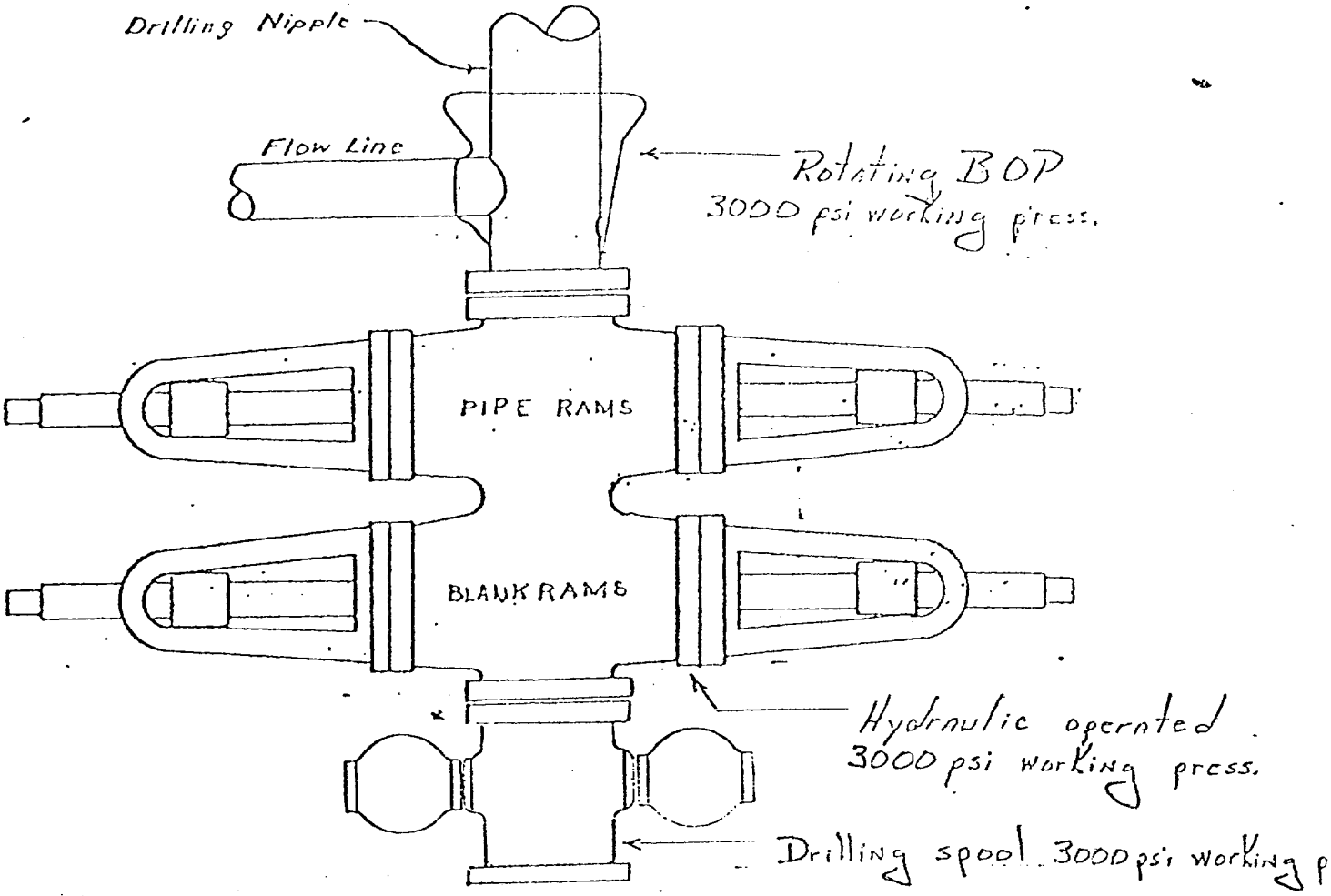
Dear Sir:

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 be performed by Southland Royalty Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date: June 19, 1978

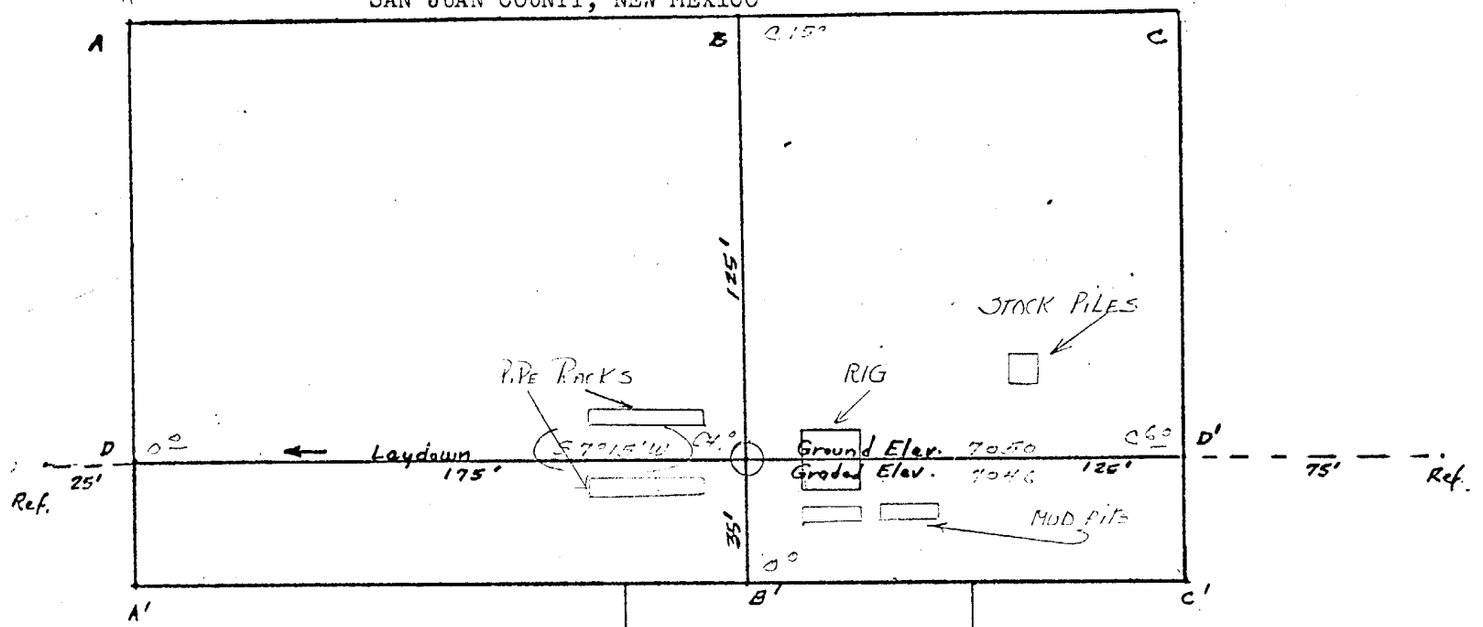
Name: C C Lawson

Title: District Engineer

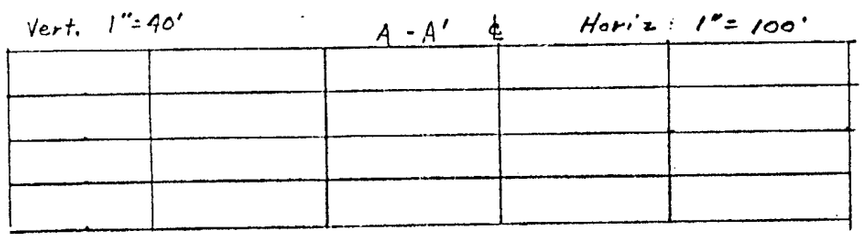


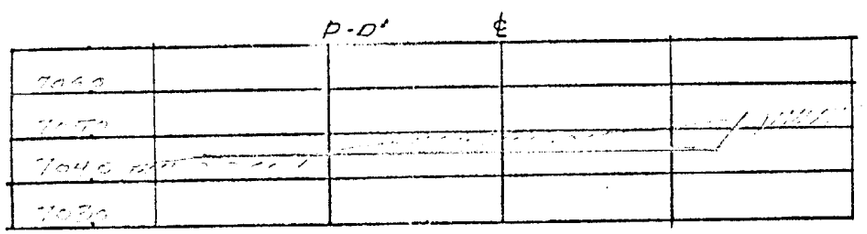
Preventers and spools are to have
through bore of 6" - 3000# PSI or larger.

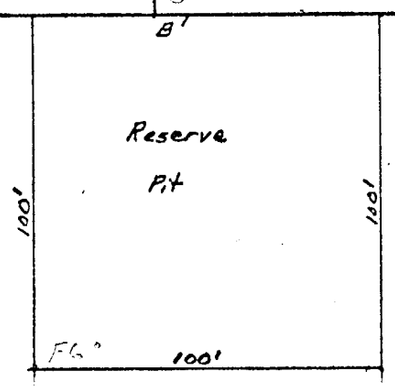
Location Profile for
SOUTHLAND ROYALTY COMPANY #2A REESE MESA
2380'FSL 1770'FEL Sec 11-T32N-R8W
SAN JUAN COUNTY, NEW MEXICO

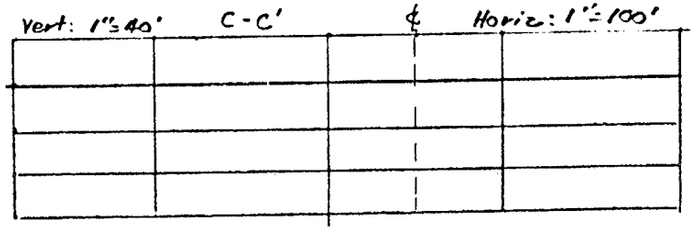


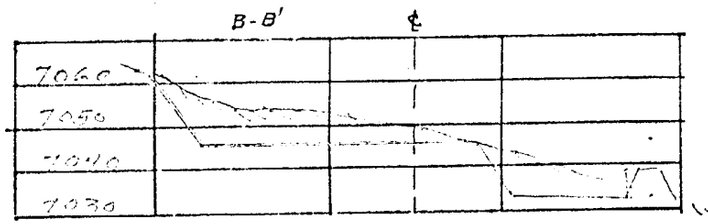
Scale: 1" = 50'



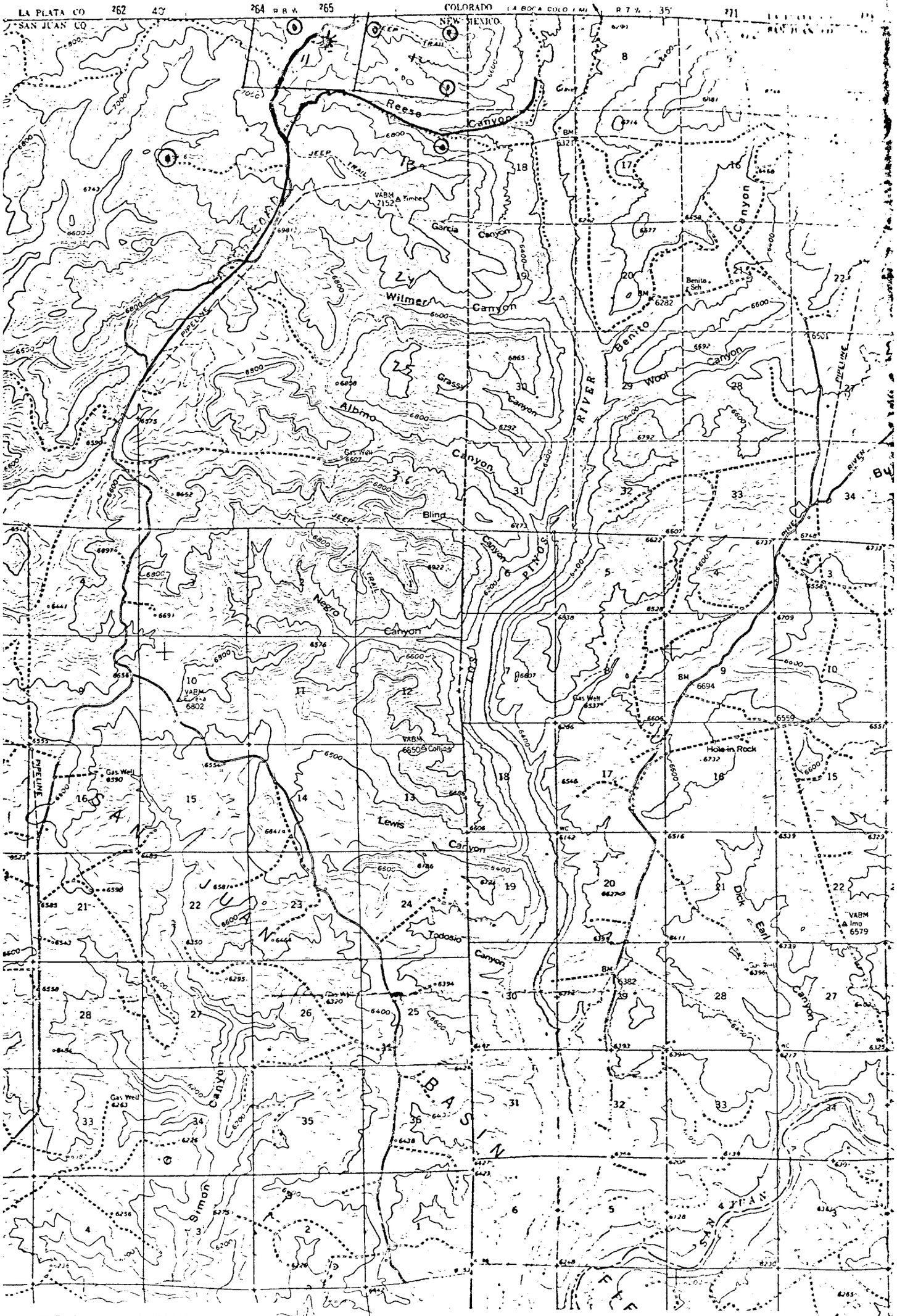








KERR LAND SURVEYING
Date: 6/16/78



PROPOSED LOCATION
EXISTING LOCATIONS
PROPOSED ROADS
EXISTING ROADS

Vicinity Map for
SOUTHLAND ROYALTY CO. #2-A REESE MESA
2380'FSL 1770'FEL Sec 11-T32N-R8W
SAN JUAN COUNTY, NEW MEXICO