



Southland Royalty Company

May 26, 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 thoroughly trained in the operation of this preventer. The preventer will be tested frequently enough to insure proper operation.

Yours truly,

L. O. Van Ryan
District Production Manager

LOVR/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: May 26, 1978

Name: CC [Signature]

Title: District Engineer



Southland Royalty Company

May 26, 1978

United States Geological Survey
P. O. Box 959
Farmington, New Mexico 87410

Attention: Mr. P. T. McGrath

Dear Sir:

Enclosed please find a map showing existing roads and planned access roads to Southland Royalty Company's Vanderslice #2-A well. The locations 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.

There will be no camps or air strips.

Also, enclosed is location layout showing approximate location of rig, pits and pipe racks.

Water supply will be Cox Canyon Water Hole.

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

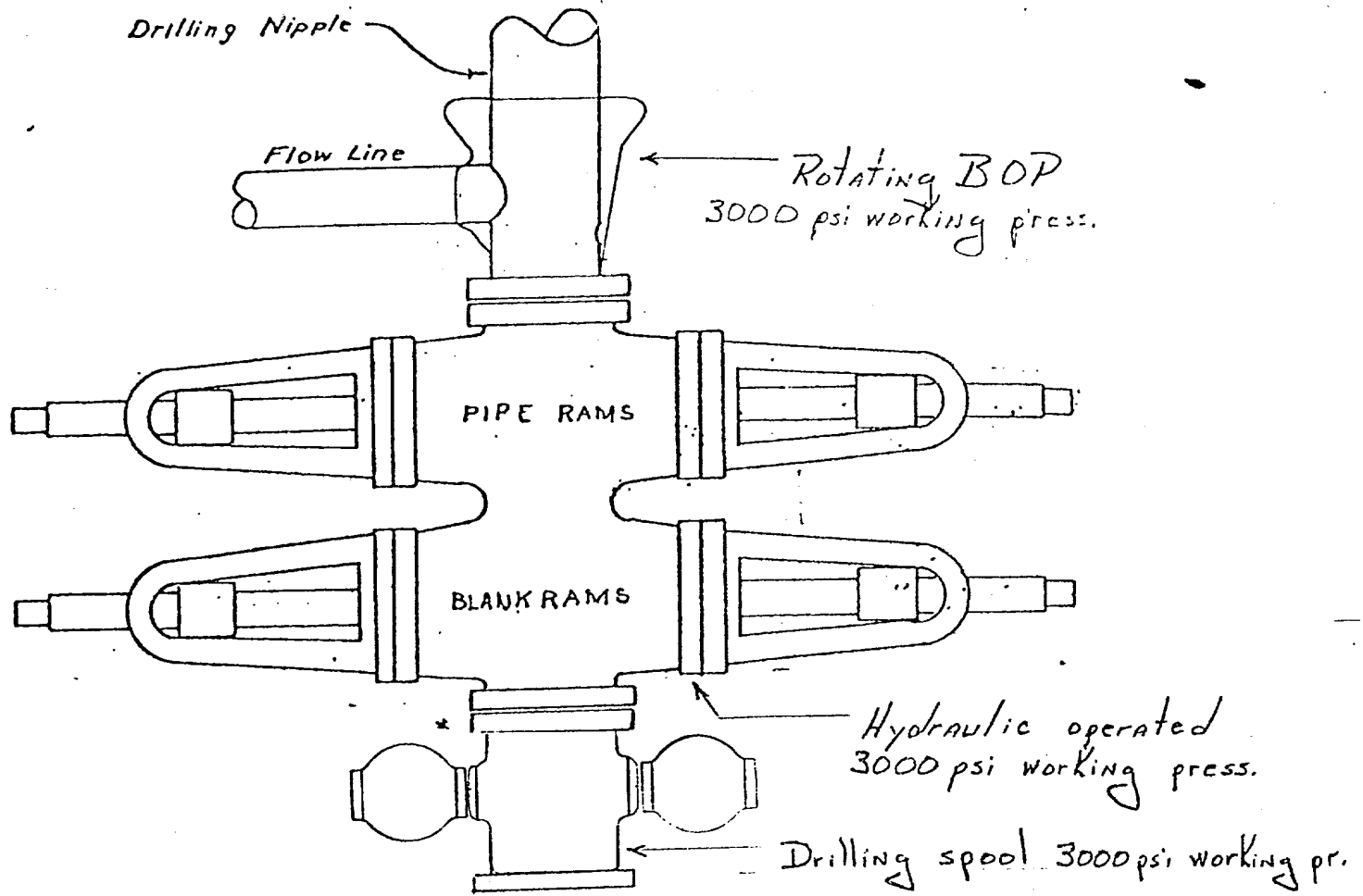
Mr. Max Larson will be Southland Royalty Company's field representative supervising these operations.

Yours truly,

SOUTHLAND ROYALTY COMPANY

L. O. Van Ryan
District Production Manager

LOVR/dg

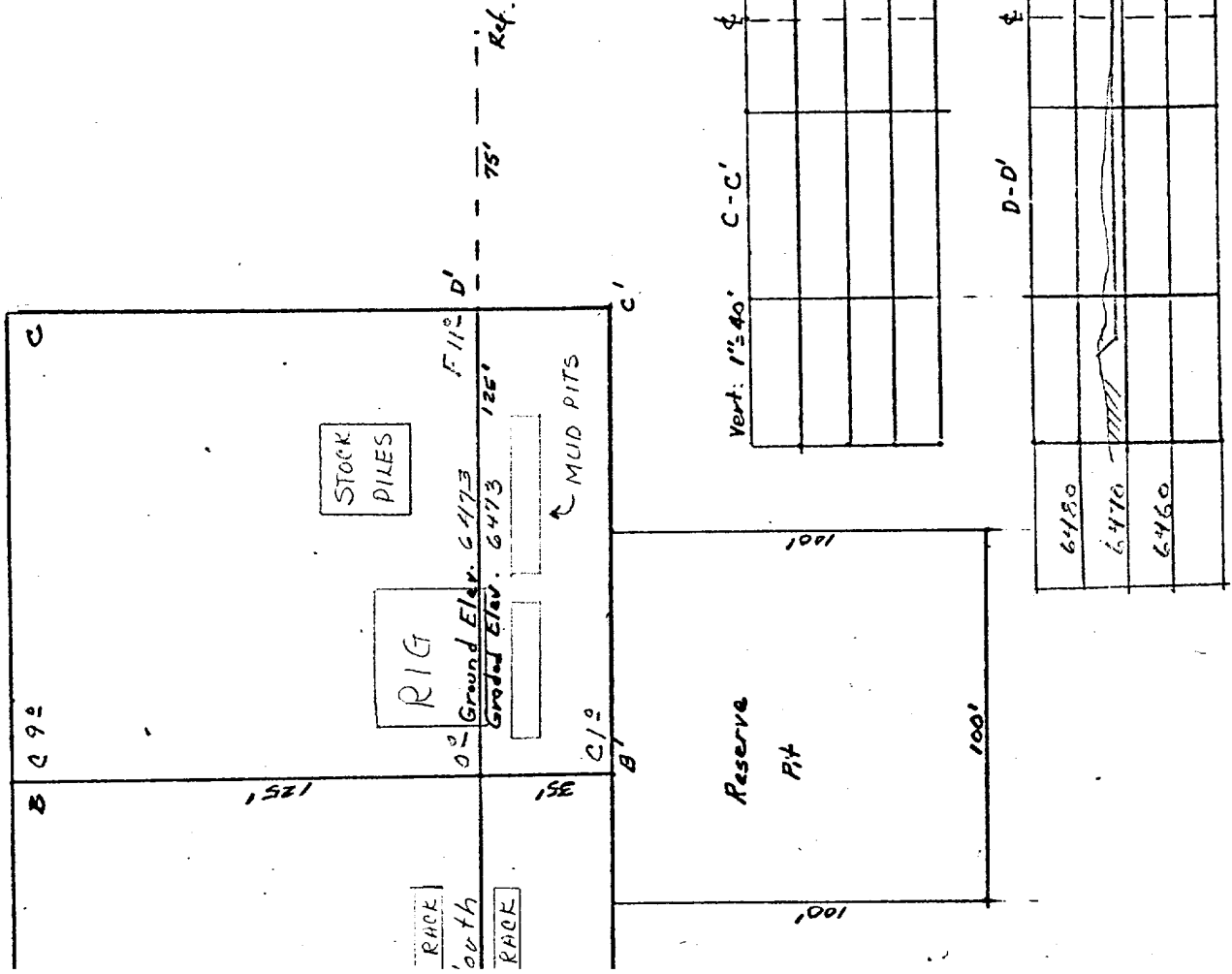


Preventers and spools are to have
through bore of 8" - 3000# PSI or larger.

tion Profile for

#2A VANDERSLICE

18-T32N-R10W---SAN JUAN COUNTY, NEW MEXICO



KERR LAND SURVEYING

Date: 5/27/78

Handwritten signature

Vicinity Map for
Aztec Oil & Gas Company #2A Vanderslice
1840' FNL 790' FWL Sec 18-T32N-R10W
San Juan County, New Mexico

DRILLING SCHEDULE - VANDERSLICE #2-A

Location: 1840' FNL & 790' FWL, Section 18, T32N, R10W, San Juan County, New Mexico

Field: Blanco Mesa Verde

Elevation: 6473' GL

Geology:

Formation Tops:	Ojo Alamo	686'	Cliff House	4721'
	Fruitland	2780'	Point Lookout	5473'
	Pictured Cliffs	3214'	Total Depth	5823'
	Intermediate TD	3514'		

Logging Program: IES & GR-Density at Intermediate TD. GR-Induction & GR-Density at Total Depth.

Coring Program: None

Natural Gauges: Gauge at last connection above Cliff House, Point Lookout and TD. Gauge all increases in gas flow.

Drilling:

Contractor: Aztec Well Service Rig #50 Tool Pusher: Bob Young
SRC Representative: Max Larson SRC Ans. Service: 325-1841
Dispatch Number: 325-7391

Mud Program: Benex and water to 2700'. Bring viscosity up to 40 at 2700'.
Let weight come up to 8.5 - 9.5. Add 8-10% LCM @ 3200'.

Materials:

Casing Program:	Hole Size	Depth	Casing Size	Wt. & Grade
	12-1/4"	200'	9-5/8"	36# K-55
	8-3/4"	3514'	7"	20# K-55
	6-1/4"	3364'-5823'	4-1/2"	10.5# K-55

Float Equipment:

9-5/8" Surface Casing: Pathfinder Type "A" Guide Shoe. Product #2003-1-012

7" Intermediate Casing: Pathfinder Type "A" Guide Shoe. Product #2003-1-007.
Howco self fill insert valve. 5-Pathfinder rigid centralizers.
Run float valve 2 joints above shoe. Run centralizers every other joint 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:

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

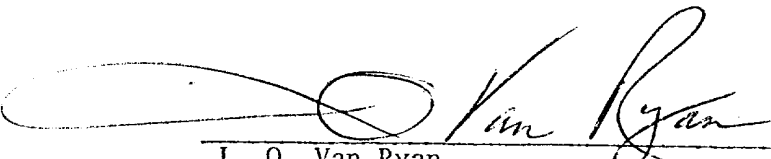
DRILLING SCHEDULE - VANDERSLICE #2-A

Cementing:

9-5/8" surface casing: 110 sxs Class "B" with 1/4# gel flake per sack and 3% CaCl_2 .
(125 cu.ft. - 100% excess to circulate to surface) WOC 12 hours.
Test to 600 psi prior to drilling out.

7" intermediate casing: 235 sacks 50/50 Class "B" Poz with 6% gel, 1/4# flocele/sx
mixed with 7.87 gals water per sack followed by 70 sacks Class "B"
with 2% CaCl_2 and 1/4# flocele per sack. (455 cu.ft. - 50% excess
to cover Ojo Alamo). Run Temperature Survey after 8 hours. WOC
12 hours and test to 1000 psi before drilling out.

4-1/2" liner: Precede cement with 20 bbls gelled water. Cement with 265 sacks
50/50 Class "B" Poz with 6% gel, 1/4# gel flake per sack and
0.6% Halad 9 or equivalent. (435 cu.ft. - 70% excess to circulate
liner)



L. O. Van Ryan

Date 5-31-78