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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-4-65

30-045-24677

5A. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Southland Royalty Company		8. Farm or Lease Name Maddox
3. Address of Operator P. O. Drawer 570, Farmington, NM 87401		9. Well No. #2
4. Location of Well UNIT LETTER M LOCATED 810' FEET FROM THE South LINE AND 1030' FEET FROM THE West LINE OF SEC. 10 TWP. 32N RGE. 11W NMPM		10. Field and Pool, or Wildcat Blanco Pictured Cliffs
		12. County San Juan
		19. Proposed Depth 3380'
		19A. Formation Pictured Cliffs
		20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 6448' GR	21A. Kind & Status Plug. Bond	21B. Drilling Contractor Four Corners Drilling
		22. Approx. Date Work will start December 15, 1980

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	200'	110 sacks	Surface
6 3/4"	2 7/8"	6.5#	3380'	340 sacks	Cover Ojo Alamo

Surface formation is San Jose.

Top of Ojo Alamo sand is at 1790'.

Fresh water mud will be used to drill from surface to total depth.

It is anticipated that an IES and a GR-Density log will be run at total depth.

No abnormal pressures or poisonous gases are anticipated in this well.

It is expected that this well will be drilled before March 15, 1981. This depends on time required for approval, rig availability and the weather.

Gas is dedicated.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 2-11-81

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed R. E. Fields Title District Engineer Date 11-11-80

(This space for State Use)

Original Signed by CHARLES GHOLSON

DEPUTY OIL & GAS INSPECTOR, DIST. #3

NOV 13 1980

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OR APPROVAL, IF ANY:

Hold 104 for
10/11/80
W. J. White
N. J. White

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

Operator SOUTHLAND ROYALTY COMPANY		Lease MADDOX		Well No. 2
Unit Letter M	Section 10	Township 32N	Range 11W	County San Juan
Actual Footage Location of Well: 810 feet from the South line and 1030 feet from the West line				
Ground Level Elev. 6448	Producing Formation Pictured Cliffs	Pool Blanco	Dedicated Acreage: 160/67.96 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Communitization pending

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
Robert E. Fielder

Position
District Engineer

Company
Southland Royalty Company

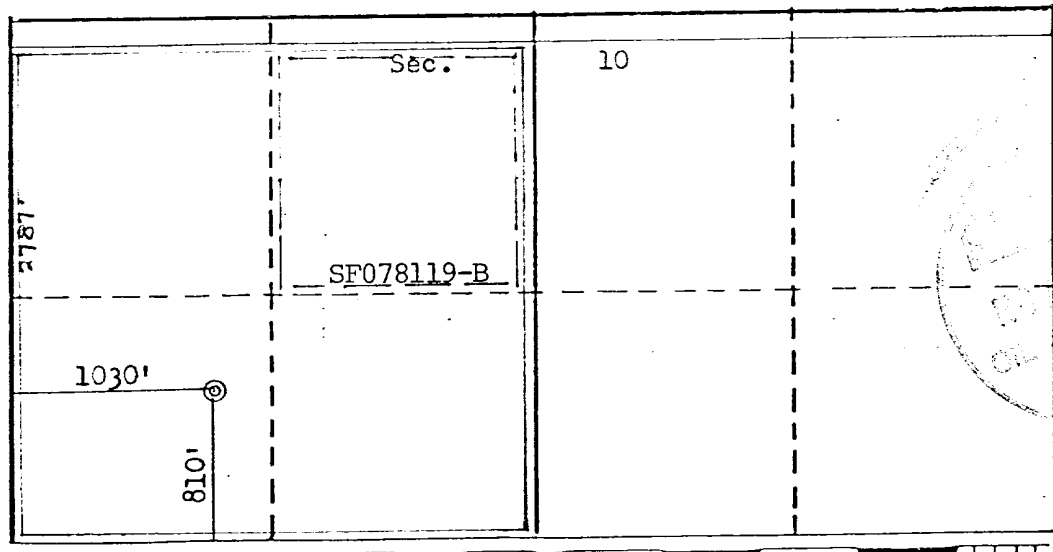
Date
11-11-80

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
June 2, 1980

Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.

Certificate No.
3956



SOUTHLAND ROYALTY COMPANY - DRILLING SCHEDULE

M A D D O X # 2

810' FSL & 1030' FWL
Sec. 10, T32N, R11W
San Juan County, NM

Field: Blanco Pictured Cliffs

Elevation: 6460' KB
6448' GR

Geology: Formation Tops -

Ojo Alamo	1790'
Fruitland	2710'
Pictured Cliffs	3158'
Total Depth	3380'

Logging Program - IES and GR-Density at total depth.

Coring Program - None

Natural Gauges - None

Drilling:

Contractor:

Tool Pusher:

SRC Representative:

SRC Answ. Svc: 325-1841
Dispatch Number: 325-7391

Mud Program: Fresh water mud from surface to total depth.

Materials: Casing Program -

<u>Hole Size</u>	<u>Depth</u>	<u>Casing Size</u>	<u>Wt. & Grade</u>
12 1/4"	200'	8 5/8"	24# K-55
6 3/4"	3380'	2 7/8"	6.5# K-55

Float Equipment:

8 5/8" Surface Casing: B & W cement guide shoe (FC01).

2 7/8" Production Casing: Notched collar guide shoe. Howco 2 7/8" latch down baffle (Pr. Ref. 60). Two 3-1/16" rubber balls and one 2-7/8" Omega latching plug (Pr. Ref. 59). Use 3-1/4" plug container head. Six B & W stabilizers on bottom 6 joints.

Wellhead Equipment: 8 5/8" X 2 7/8", HUE, screwed head.

Cementing:

8 5/8" Surface Casing: 110 sacks (130 cu. ft.) of Class "B" with 1/4# gel flake per sack and 3% CaCl_2 . (50% excess.)

WOC 12 hours, test to 600 psi before drilling out.

2 7/8" Production Casing: 290 sacks (432 cu. ft.) of 50/50, Class "B", Poz with 6% gel mixed with 7.2 gals water per sack to weigh 12.85 ppg. Tail in with 50 sacks of Class "B" with 2% CaCl_2 . (50% excess to cover Ojo Alamo.)

If lost circulation occurs, add 1/4 cu. ft. fine gilsonite per sack. Displace cement with 50 gals. of 7 1/2% acetic acid. Run temperature survey after 12 hours.

L. O. Van Ryan
District Production Manager

JAC/ke



Southland Royalty Company

November 11, 1980

Oil Conservation Division
Mr. Frank Chavez
1000 Rio Brazos Road
Aztec, NM 87410

RE: Blowout Preventer Plan

Dear Mr. Chavez:

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 pressure.

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

Sincerely,

SOUTHLAND ROYALTY COMPANY

Robert E. Fielder
District Engineer

- D A M A G E R E L E A S E -

THE UNDERSIGNED, for and in consideration of the amount shown below, the receipt of which is hereby acknowledged, releases Southland Royalty Company, its agents, contractors and employees, from all claims of any kind or character for damages sustained by the undersigned caused by the construction of a roadway and location for use in drilling and operating gas or oil wells in the vicinity, or the project named below, with appurtenances thereto, over and through the hereinafter described property.

THE UNDERSIGNED represents that he is leagally entitled to possess and occupy the surface of said property and is, therefore, entitled to receive payment for the damages sustained thereto.

DESCRIPTION OF PROPERTY SITUATED IN San Juan COUNTY,
STATE OF New Mexico.

<u>Subdivision</u>	<u>Section</u>	<u>Township</u>	<u>Range or Block</u>	<u>B & M or Abstract</u>
SW/SW	10	32N	11W	

Received of Southland Royalty Company the amount of \$ 450.00.
DATE THIS 27th DAY OF October, 19 88 AD.

Karl T. Lov
WITNESS

Virginia M. Lov
SIGNED

Check Number 67002
Well Name Maddox #2
AFE Number _____

LOVR/ke

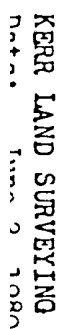
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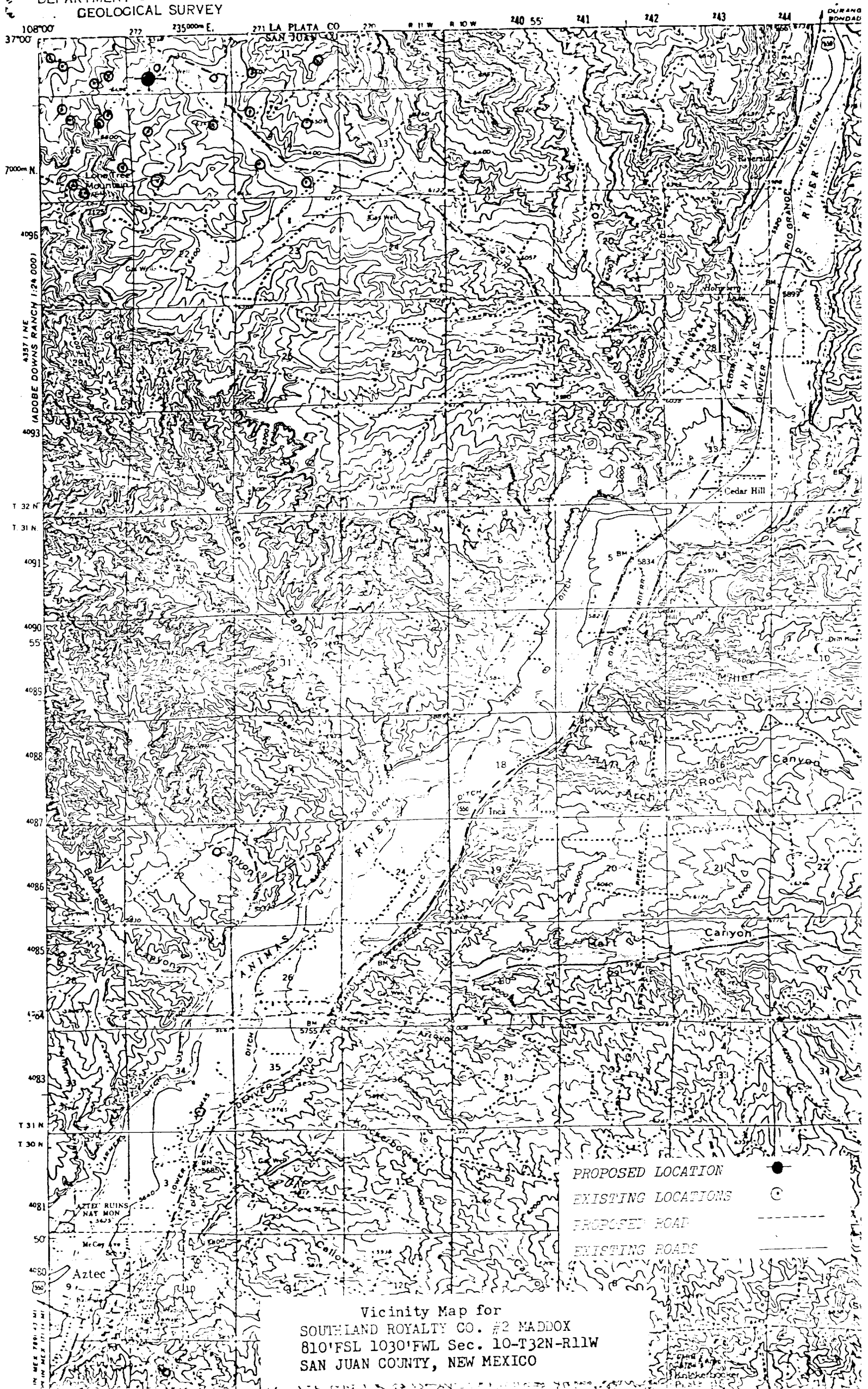
1523 2nd St

San Juan, NM 87601

10/28/88

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Vicinity Map for
SOUTHLAND ROYALTY CO. #2 MADDOX
810'FSL 1030'FWL Sec. 10-T32N-R11W
SAN JUAN COUNTY, NEW MEXICO