

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY30-045-24623  
5. LEASE DESIGNATION AND SERIAL NO.  
SF-078312

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hubbard

9. WELL NO.

#6

10. FIELD AND POOL, OR WILDCAT  
Blanco Pictured Cliffs11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Section 15, T32N, R12W

12. COUNTY OR PARISH 13. STATE

San Juan

NM

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Southland Royalty Company

## 3. ADDRESS OF OPERATOR

P. O. Drawer 570, Farmington, NM 87401

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

790' FSL &amp; 1760' FWL

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 12 miles NW of Aztec, NM

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

530'

## 16. NO. OF ACRES IN LEASE

1095.98

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

700'

## 19. PROPOSED DEPTH

2685'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6090' GR

## 22. APPROX. DATE WORK WILL START\*

September 30, 1980

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	140'	100 sx - Circ. to Surface
6 3/4"	2 7/8"	6.5#	2685'	295 sx - Cover Ojo Alamo

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 1302'.

Top of Pictured Cliffs sand is at 2511'.

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

It is anticipated that an IES and 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 31, 1981. This depends on time required for approvals, rig availability and the weather.

Gas is dedicated.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*R. E. Fields*

TITLE District Engineer

DATE 8-15-80

(This space for Federal or State office use)

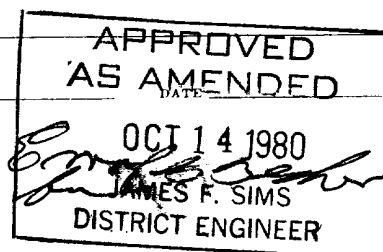
PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



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

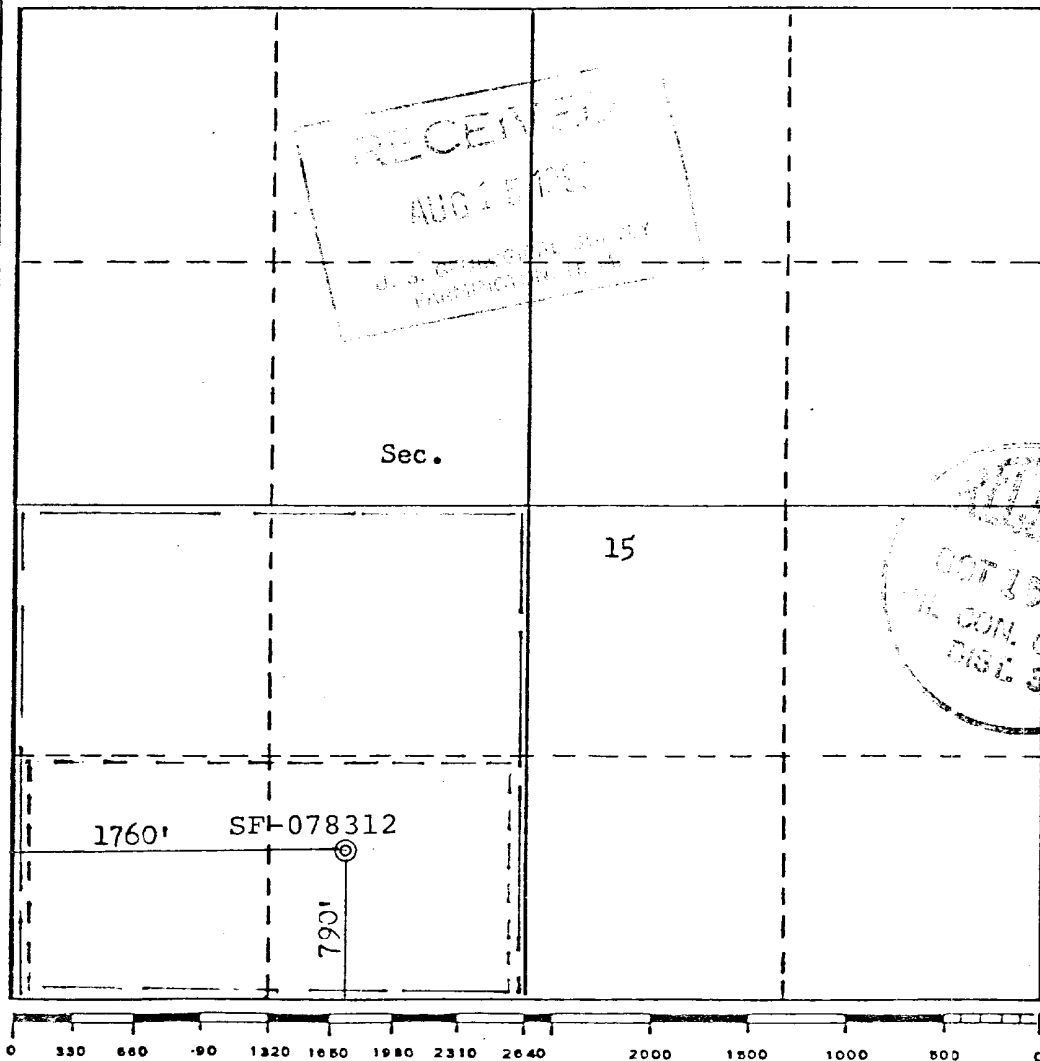
Operator <b>SOUTHLAND ROYALTY COMPANY</b>			Lease <b>HUBBARD</b>		Well No. <b>6</b>
Unit Letter <b>N</b>	Section <b>15</b>	Township <b>32N</b>	Range <b>12W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>790</b> feet from the <b>South</b> line and <b>1760</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6090</b>	Producing Formation <b>Pictured Cliffs</b>	Pool <b>Blanco</b>		Dedicated Acreage: <b>160</b> 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.

*R. E. Fielder*

Name  
**Robert E. Fielder**  
Position  
**District Engineer**  
Company  
**Southland Royalty Company**  
Date  
**August 15, 1980**

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  
**May 21, 1980**  
Registered Professional Engineer and/or Land Surveyor  
*Fred B. Kerr Jr.*  
**Fred B. Kerr Jr.**  
Certificate No.  
**3950**

## DRILLING SCHEDULE - HUBBARD #6

Location: 790' FSL & 1760' FWL, Section 15, T32N, R12W  
San Juan County, NM

Field: Blanco Pictured Cliffs

Elevation: 6090' GR  
6102' KB

### Geology:

Formation Tops:	Ojo Alamo	1302'
	Fruitland	2004'
	Pictured Cliffs	2511'
	Total Depth	2685'

Logging Program: IES and GR-Density at Total Depth.

Coring Program : None

Natural Gauges : None

### Drilling

Contractor:

Tool Pusher:

SRC Answering Service: 325-1841

SRC Representative:

Dispatch Number: 325-7391

Mud Program: Fresh water mud from surface to Total Depth.

### Materials

Casing Program:	Hole Size	Depth	Casing Size	Wt. & Grade	
	12 1/4"	140'	8 5/8"	24#	K-55
	6 3/4"	2685'	2 7/8"	6.5#	K-55

### Float Equipment

8-5/8" Surface Casing: Pathfinder cement guide shoe (#1003-1-010).

2-7/8" Production Casing: Sawtooth collar guide shoe. Howco 2 7/8" latch down baffle (PR 60). Two 3 1/16" rubber balls and one 2 7/8" Omega latching plug (PR 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", EUE, screwed head.

Page #2

Cementing

8-5/8" Surface Casing: 118 cu. ft. (100 sx) Class "B" with 1/4# gel flake per sack and 3%  $\text{CaCl}_2$ . (100% excess.)

2-7/8" Production Casing: 422 cu. ft. (245 sx) 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 sx) Class "B" with 2%  $\text{CaCl}_2$ . If lost circulation occurs, add 1/4 cu. ft. of fine gilsonite per sack. (50% excess to cover Ojo Alamo). Displace cement with 50 gallons of 7 1/2% acetic acid. Run temperature survey after 12 hours.

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L. O. Van Ryan  
District Production Manager

REF \_\_\_\_\_  
Date \_\_\_\_\_



**Southland Royalty Company**

August 15, 1980

United States Geological Survey  
Mr. James F. Sims  
District Oil and Gas Supervisor  
P. O. Box 959  
Farmington, NM 87401

Dear Mr. Sims:

Enclosed please find a map showing existing roads and planned access roads to Southland Royalty Company's Hubbard #6 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 airstrips.

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

Water supply for this well will be Farmer's Ditch.

The terrain is rolling hills with sagebrush. The location will be restored to the land owner's satisfaction. If this is not satisfactory, please have the Bureau of Land Management contact the land owner. This work will begin when all related construction is finished.

Mr. Ross Lankford will be Southland Royalty Company's field representative supervising these operations. Either he or myself can be reached at anytime at 325-7391.

Sincerely,

SOUTHLAND ROYALTY COMPANY

Robert E. Fielder  
District Engineer

REF/ke

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



**Southland Royalty Company**

August 15, 1980

United States Geological Survey  
Mr. James F. Sims  
District Oil and Gas Supervisor  
P. O. Box 959  
Farmington, NM 87401

RE: Blowout Preventer Plan

Dear Mr. Sims:

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

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  
insure proper operation.

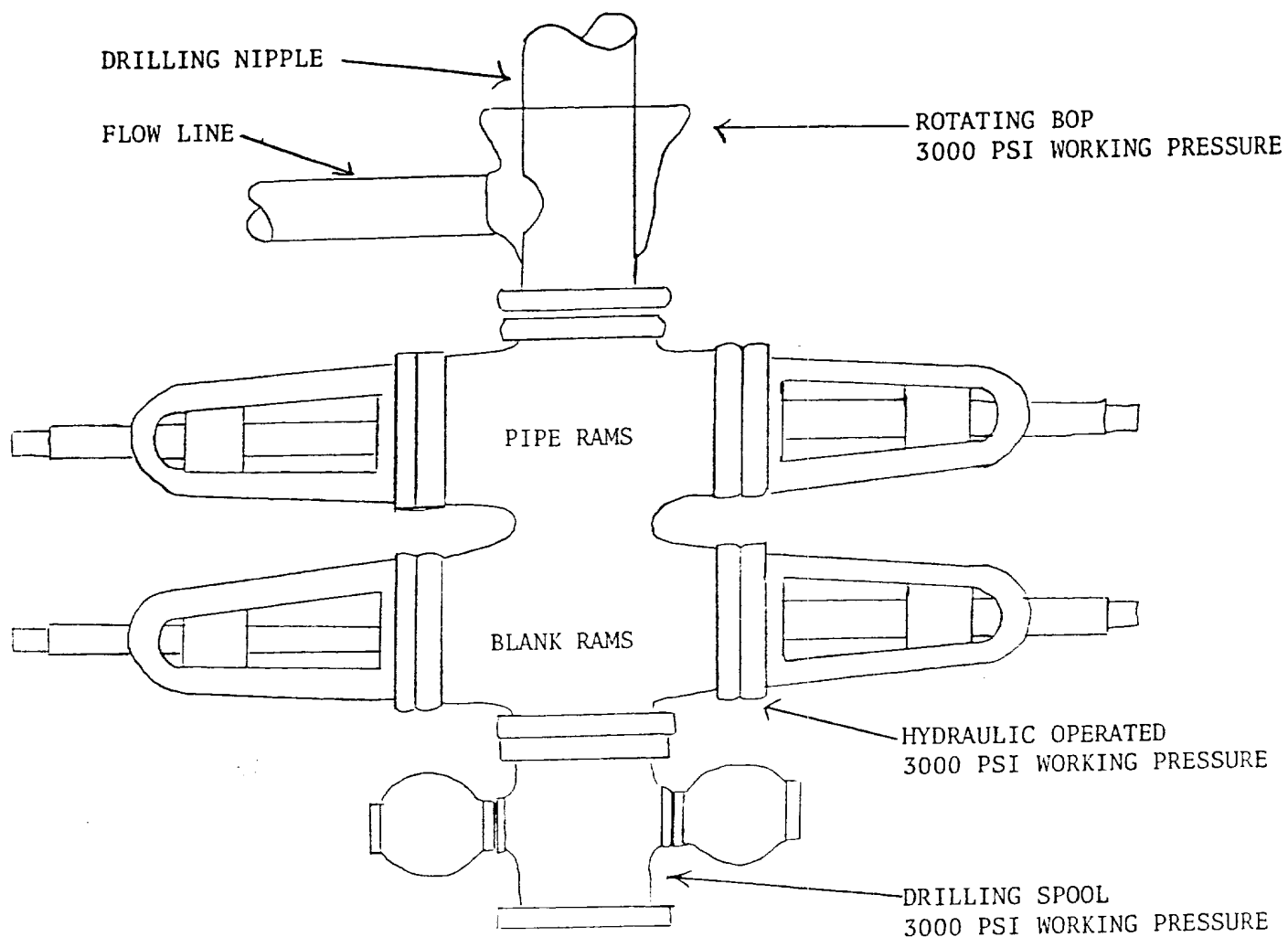
Sincerely,

SOUTHLAND ROYALTY COMPANY

A handwritten signature in cursive script, reading "R. E. Fielder".

Robert E. Fielder  
District Engineer

REF/ke



PREVENTERS AND SPOOLS ARE TO HAVE  
THROUGH BORE OF 6" - 3000 PSI OR LARGER

Southland Royalty Company  
Hubbard #6  
790' FSL & 1760' FWL  
Section 15, T32N, R12W  
San Juan County, NM



**Southland Royalty Company**

August 15, 1980

United States Geological Survey  
Mr. James Sims  
P. O. Box 595  
Farmington, NM 87401

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 will 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.

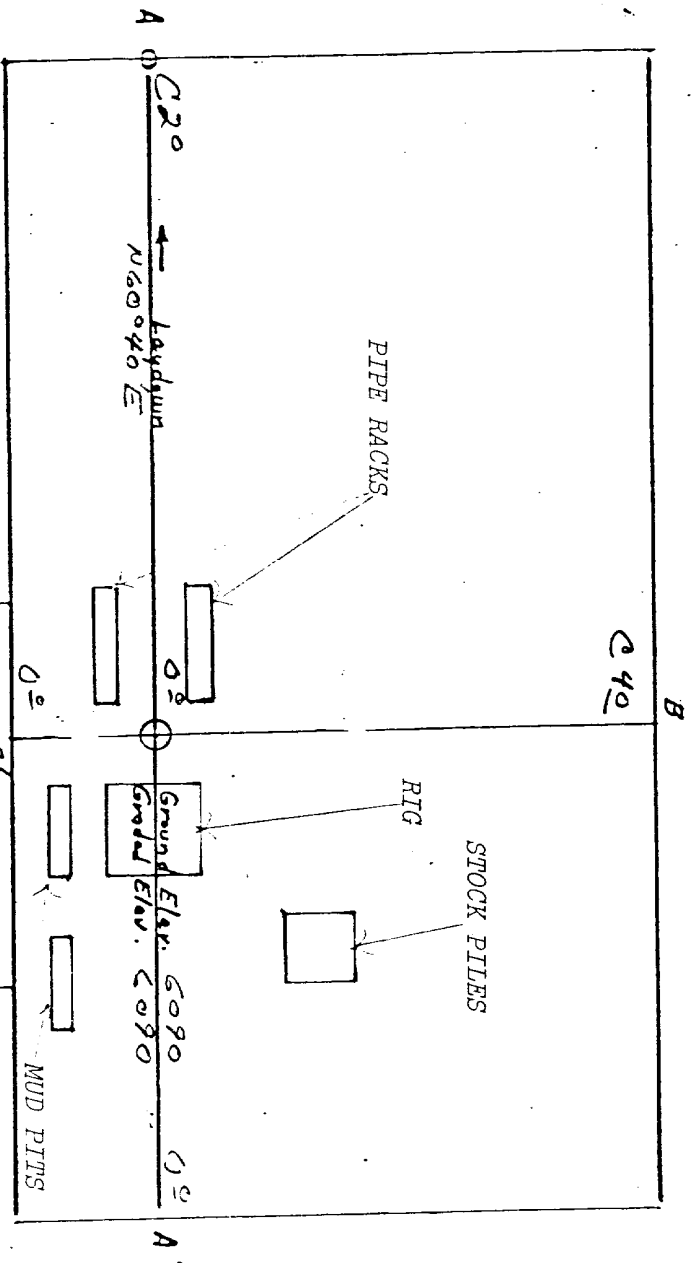
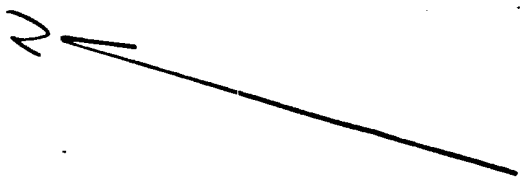
Date:

L. O. Van Ryan  
District Production Manager

LOVR/ke



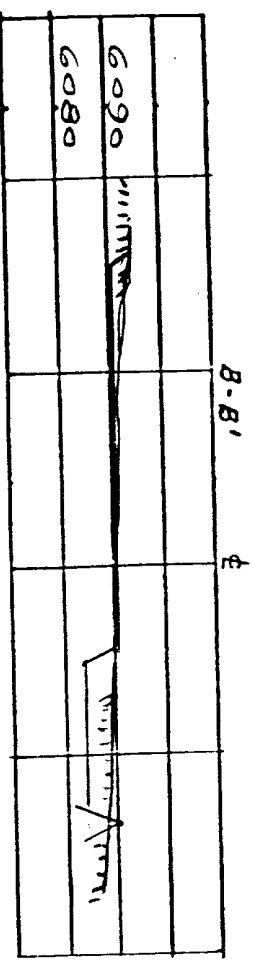
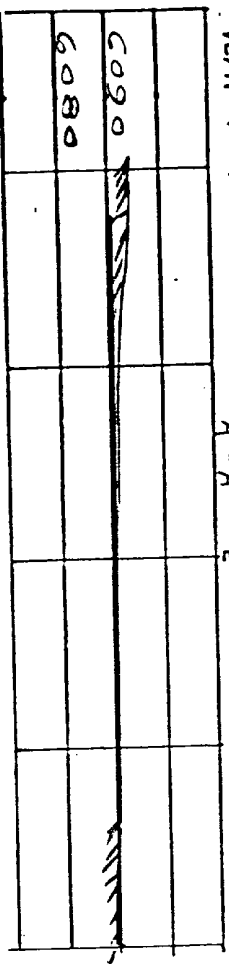
SOUTHLAND ROYALTY CO. #6 HUBBARD  
 790' FSL 1760' FWL Sec. 15-T32N-R12W  
 San Juan County, New Mexico



Vert. 1"=40'

A-A' &

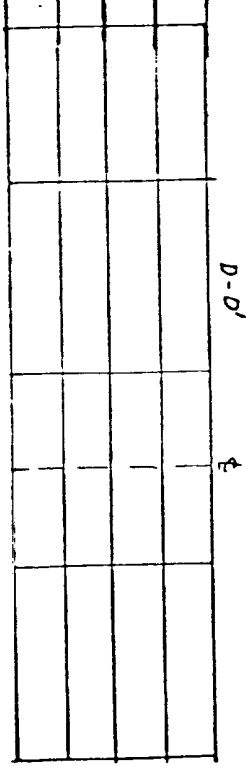
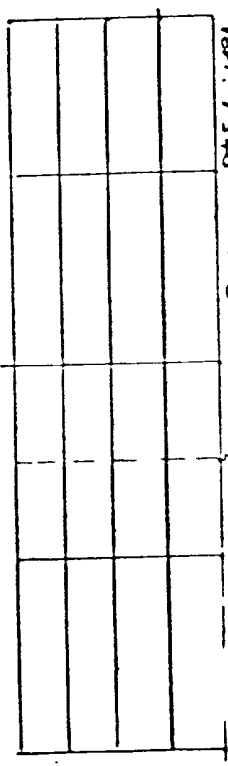
Horiz: 1"=100'

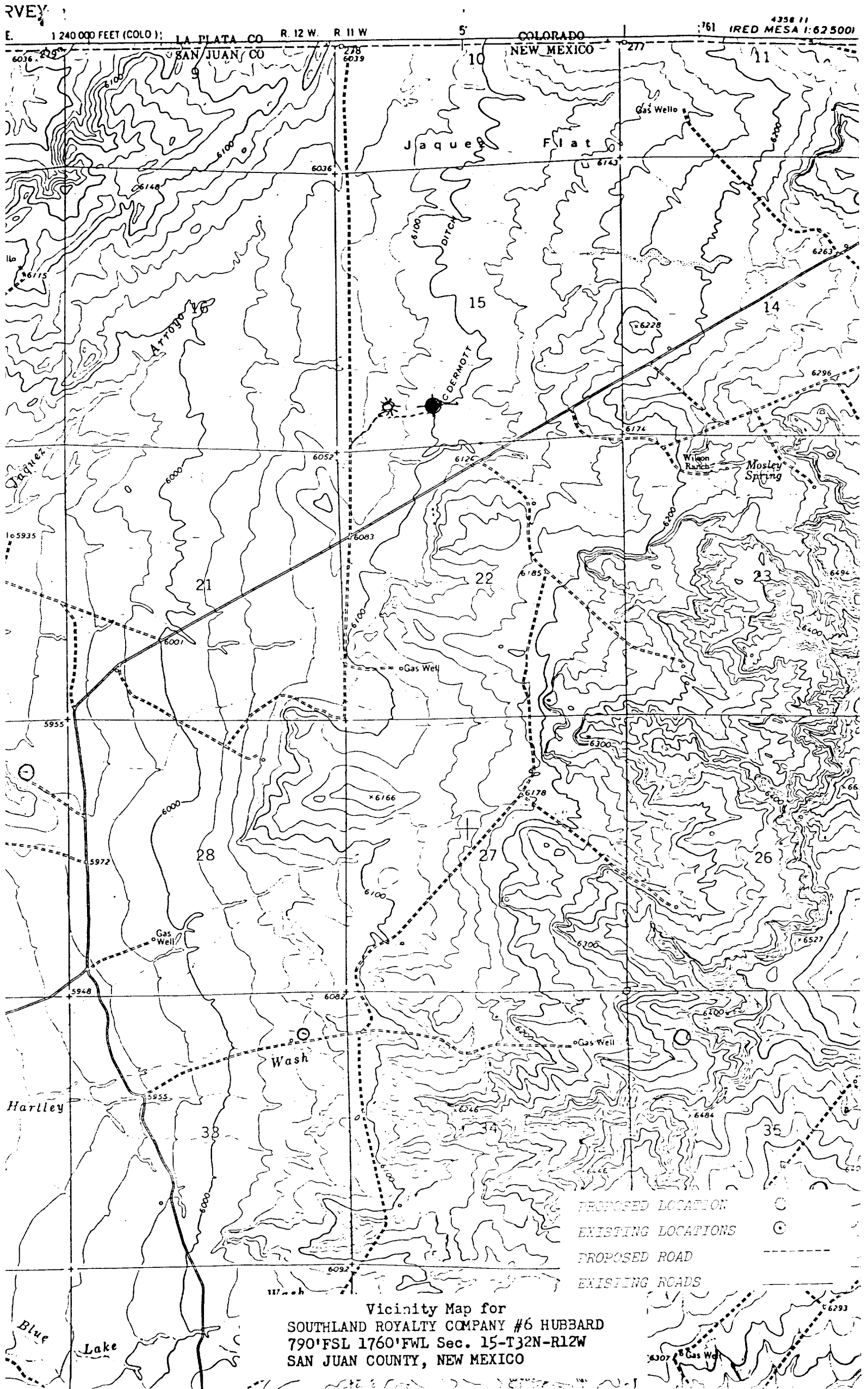


Vert: 1"=40'

C-C' &

Horiz: 1"=100'





Vicinity Map for  
SOUTHLAND ROYALTY COMPANY #6 HUBBARD  
790' FSL 1760' FWL Sec. 15-T32N-R12W  
SAN JUAN COUNTY, NEW MEXICO

PROPOSED LOCATION      ○  
EXISTING LOCATIONS      ⊗  
PROPOSED ROAD      - - -  
EXISTING ROADS      ———