

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

30-045-28655

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BLM

02 FEB -4 AM 10:36

APPLICANT **RECEIVED** PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL

1b. TYPE OF WELL  
GAS

MAR 17 1992

OIL CON. DIV.  
DIST. 3

5. LEASE NUMBER  
SF-077652

6. IF INDIAN, ALL. OR TRIBE NAME

2. OPERATOR  
SOUTHLAND ROYALTY CO.

7. UNIT AGREEMENT NAME

3. ADDRESS & PHONE NO. OF OPERATOR  
P O BOX 4289  
FARMINGTON, NM 87499

8. FARM OR LEASE NAME

EAST 10483

9. WELL NO.  
1R

4. LOCATION OF WELL  
1680' FNL 1065' FWL

10. FIELD, POOL, OR WILDCAT

BLANCO MV MESA VERDE 72317

11. SEC. T. R. M OR BLK.

SEC. 14 T31N R12W NMPM

14. DISTANCE IN MILES FROM NEAREST TOWN  
5 1/2 MILES NW OF AZTEC

12. COUNTY  
SAN JUAN

13. STATE  
NM

15. DISTANCE FROM  
PROPOSED LOCATION 1065'  
TO NEAREST PROPERTY  
OR LEASE LINE.

16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL  
W/ 280.06

18. DISTANCE FROM  
PROPOSED LOCATION  
TO NEAREST WELL DR. 1000'  
COMPL., OR APPLIED  
FOR ON THIS LEASE.

19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS  
5630' ROTARY

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS".

21. ELEVATIONS (DF, FT, GR, ETC.)  
6331' GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

\*SEE OPERATIONS PLAN

24. AUTHORIZED BY: [Signature]  
REG. DRILLING ENGR.

1/30/92  
DATE

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED  
AS AMENDED

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160 AREA MANAGER

ARCH REPORT SUBMITTED 10/01/91 NMOC

Submit to Appropriate  
District Office  
State Leases - 4 copies  
Fee Leases - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

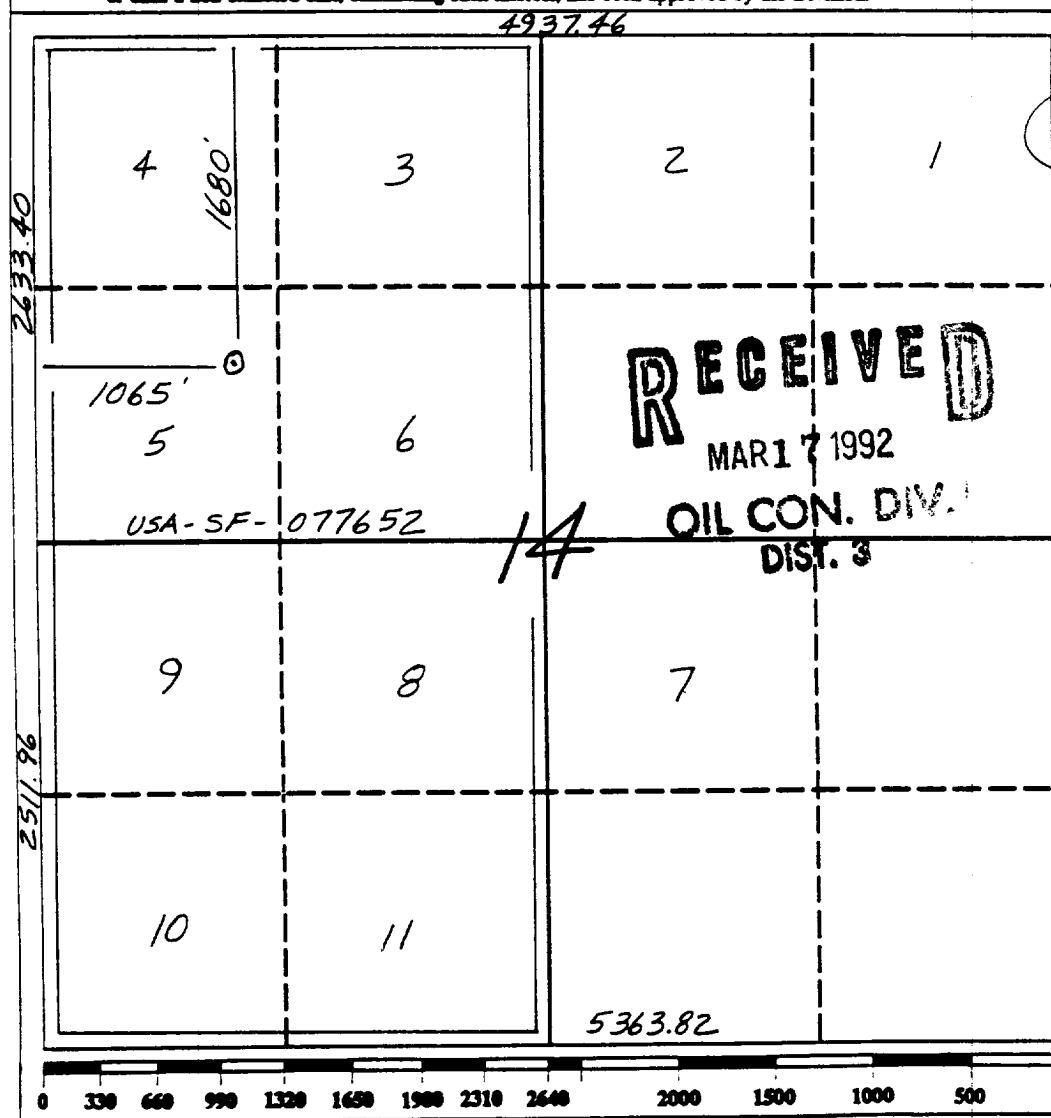
OLIO TARRANTON, N.M.

Operator Southland Royalty Company		Lease East		Well No. 1R
Unit Letter E	Section 14	Township 31 North	Range 12 West	County San Juan
Actual Footage Location of Well: 1680 feet from the North line and 1065 feet from the West line				
Ground level Elev. 6331'	Producing Formation Mesa Verde	Pool Blanco	Dedicated Acreage: 280.06 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature: *Peggy Bradfield*

Printed Name: Peggy Bradfield

Position: Regulatory Affairs

Company: Southland Royalty Co

Date: 1-30-92

Date:

SURVEYOR CERTIFICATION

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: 9-17-91

Signature: *C. Edwards*

Professional Surveyor

6857

REGISTERED LAND SURVEYOR

Certificate No. *14*

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## OPERATIONS PLAN

Date: 03/11/92

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**General Well Data:** 019 FARMINGTON, N.M.

Well Name & Number--- East No. 1R  
Location----- SW/NW/4 Sec. 14, T-31-N, R-12-W  
Surveyed Footages--- 1680' FNL 1065' FWL  
County, State----- San Juan County, NM  
Field----- Blanco Mesa Verde  
Formation----- Mesa Verde  
Surveyed Elevation--- 6331' GL

**Formation Tops:**

Nacimiento-----	Surf	T/Huer. Bent-----	3203'
Ojo Alamo-----	1066'	T/N.C. Chacra-----	3216'
Kirtland-----	1196'	Chacra-----	3628'
Fruitland-----	2354'	T/Upper/Cl.H.-----	4326'
Furitland Coal Top---	2423'	T/Mass.Cl.H.-----	4449'
Furitland Coal Base--	2814'	Menefee-----	4611'
Pictured Cliffs-----	2846'	T/Mass P.L.-----	5137'
Lewis-----	3085'	T/Lower.P.L.-----	5313'
		Total Depth-----	5630

**BOP Specifications and Tests:****Surface to TD -**

11" 2000 psi minimum Double Gate BOP Stack (Reference Figure #1).  
After nipple-up prior to drilling out Surface Casing, Rams  
And Casing will be tested to 600 psi for 30 minutes.

**Surface to Total Depth -**

2" nominal, 2000 psi minimum Choke Manifold (Reference Figure #3).

**Completion Operations -**

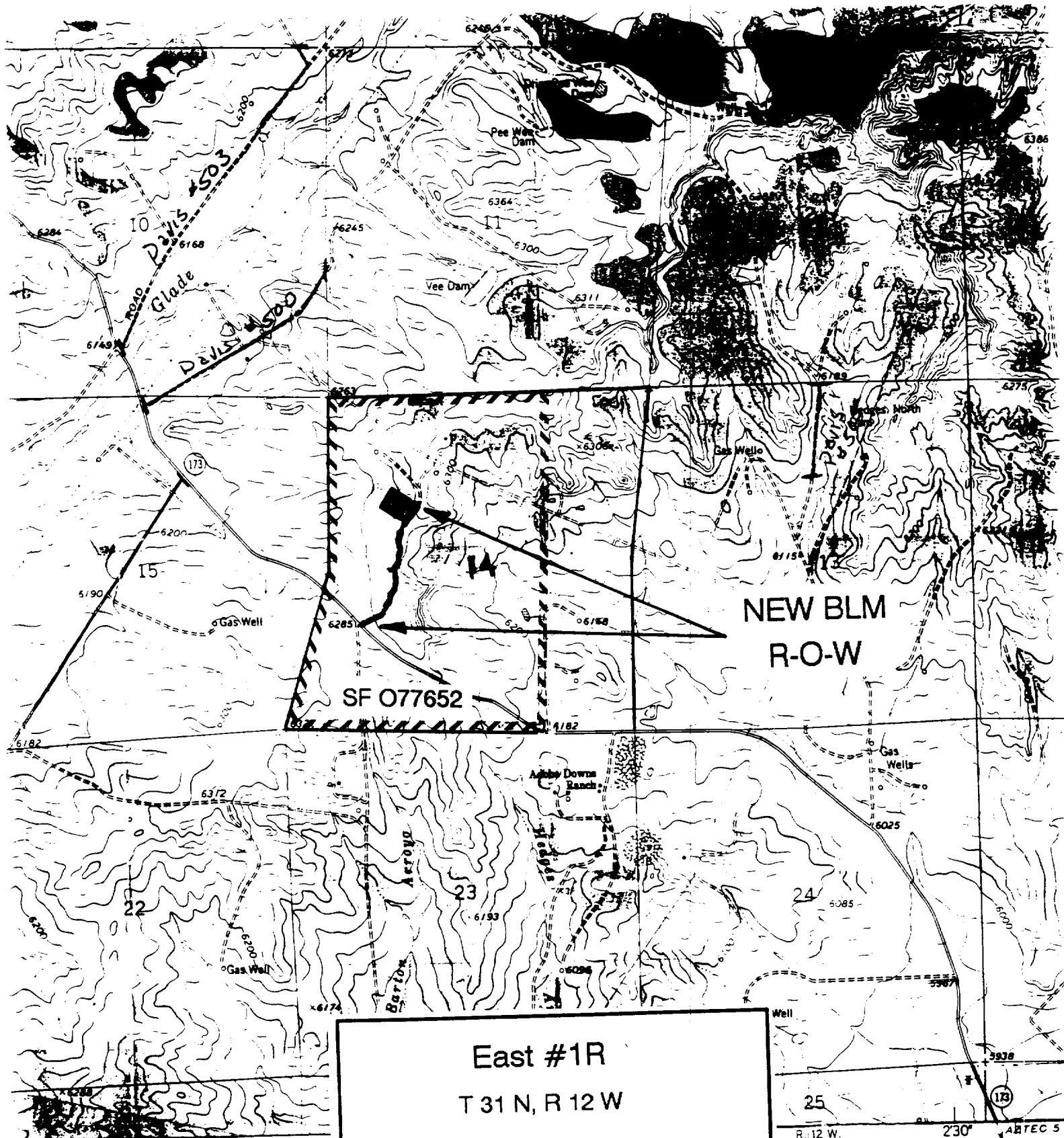
6" 3000 psi Double Gate BOP Stack (Reference Figure #2).  
After nipple-up prior to Completion, Pipe Rams, Casing and Liner  
Top will be tested to 3000 psi for 15 minutes.

**Wellhead -**

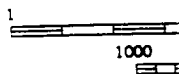
8 5/8" X 4 1/2" X 2 3/8" X 2000 psi Tree Assembly

**General -**

- \* Pipe Rams will be actuated once each day and Blind Rams will be actuated once each trip to test proper functioning.
- \* An Upper Kelly Cock Valve and Drill String Safety Valves to fit each drill string will be available on the rig floors at all times.
- \* A BOP Pit Level Drill will be conducted weekly for each drilling crew
- \* All of the BOP Tests and Drills will be recorded in the Daily Drilling Reports.
- \* Blind and Pipe Rams will be equipped with extension hand wheels.



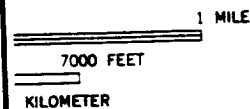
MN  
13°  
7231 MILS



100' New Construction

Section 14: SWNW 1100'  
NWSW 1100'

MERIDIAN OIL INC



25  
R. 12 W. 230' ARTEC 5 A

MAGNETIC NORTH  
INTER OF SHEET

VIRGINIA 22092