

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CON. DIV

SEP 25 1989

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL
1b. TYPE OF WELL
GAS
2. OPERATOR
SOUTHLAND ROYALTY CO.
3. ADDRESS & PHONE NO. OF OPERATOR
P O BOX 4289
FARMINGTON, NM 87499
4. LOCATION OF WELL
1670'N 1165'E
5. LEASE NUMBER
SF-077648
6. IF INDIAN, ALL. OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
DECKER A COM
9. WELL NO.
100
10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL
11. SEC. T. R. M OR BLK.
SEC. 3 T31N R12W NMPM
12. COUNTY
SAN JUAN
13. STATE
NM
14. DISTANCE IN MILES FROM NEAREST TOWN
10 miles from Aztec
15. DISTANCE FROM
PROPOSED LOCATION 1165'
TO NEAREST PROPERTY
OR LEASE LINE.
16. ACRES IN LEASE 2178.38
17. ACRES ASSIGNED TO WELL
N/ 322.96
18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 400'
COMPL., OR APPLIED
FOR ON THIS LEASE.
19. PROPOSED DEPTH
2578'
20. ROTARY OR CABLE TOOLS
ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.)
6204'GL
22. APPROX. DATE WORK WILL START

This section is subject to technical and
procedural review pursuant to 43 CFR 3163.3
and appeal pursuant to 43 CFR 3163.4.

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

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

24. AUTHORIZED BY: *[Signature]*
REGULATORY AFFAIRS

8-23-89
DATE
APPROVED
AS AMENDED

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

SEP 22 1989
[Signature]
AREA MANAGER

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.

NMOCD

Submit to Addressee
District Office
This Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

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

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

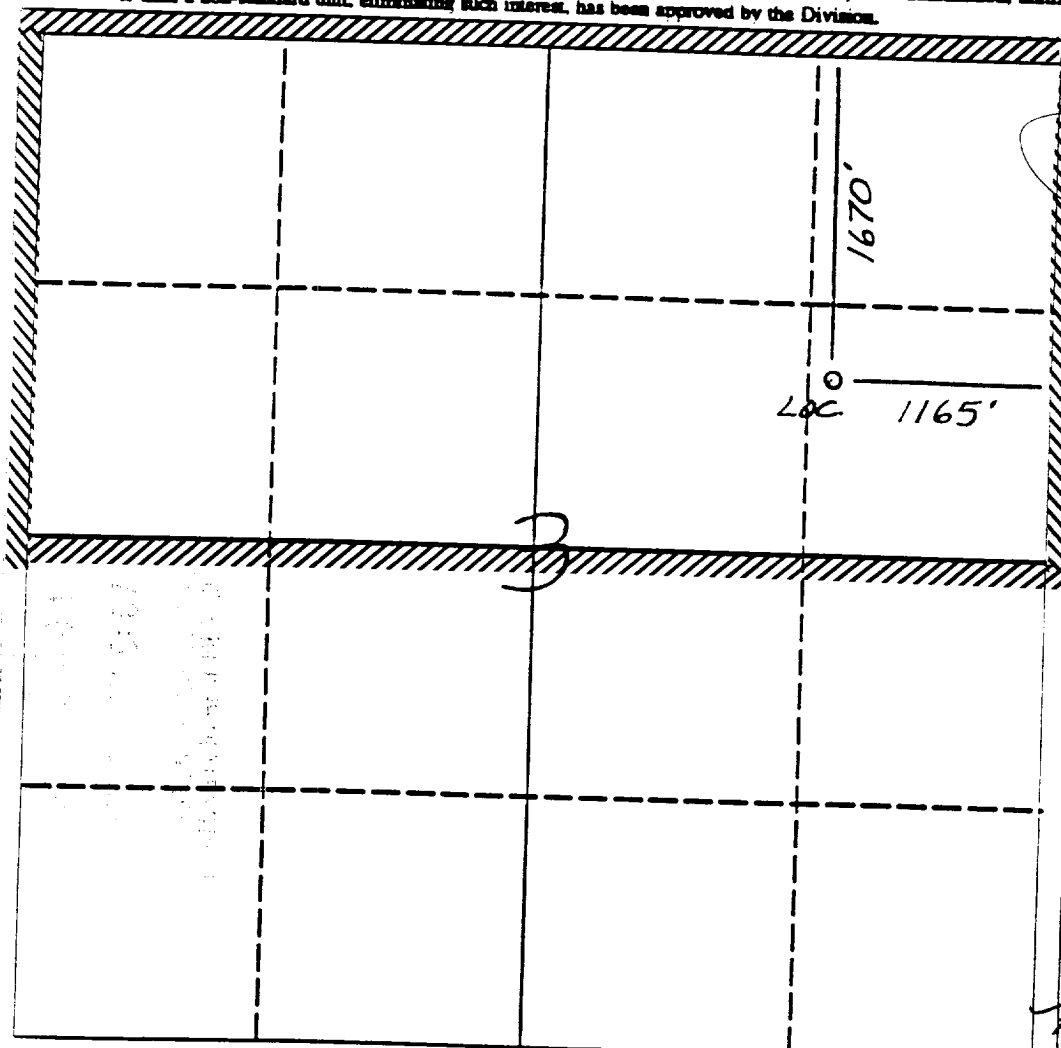
WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

Operator Southland Royalty Company			Lease (SF-077648)		Well No. 100
Unit Letter H	Section 3	Township 31 North	Range 12 West	County San Juan	
Actual Footage Location of Well: 1670 feet from the North line and 1165 feet from the East line					
Ground level Elev. 5204'		Producing Formation Fruitland Coal		Pool Basin	
					Dedicated Acreage: 322.96 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 interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation I-Sec.No.837

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

Regulatory Affairs

Position

Southland Royalty Co
Company

Date

8-23-89

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

NEALE O. EDWARDS

Signature of Seal of
Professional Surveyor

Certificate No.

6857

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Well Name: 100 DECKER A COM
 Sec. 3 T31N R12W
 BASIN FRUITLAND COAL

1670'N 1165'E
 SAN JUAN NEW MEXICO
 Elevation 6204'GL

Formation tops: Surface- NACIMIENTO
 Ojo Alamo- 724
 Kirtland- 747
 Fruitland- 2204
 Fruitland Coal Top- 2437
 Fruitland Coal Base- 2577
 Total Depth- 2578
 Pictured Cliffs- 2597

Logging Program: Mud logs from 2204 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 2578	Non-dispersed	8.4 - 9.5	30-60	no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 200	8 5/8"	24.0#	K-40
	7 7/8"	0 - 2578	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2578	2 3/8"	4.7#	J-55

Float Equipment: 8 5/8" surface casing - saw tooth guide shoe.

5 1/2" production casing - float shoe on bottom.

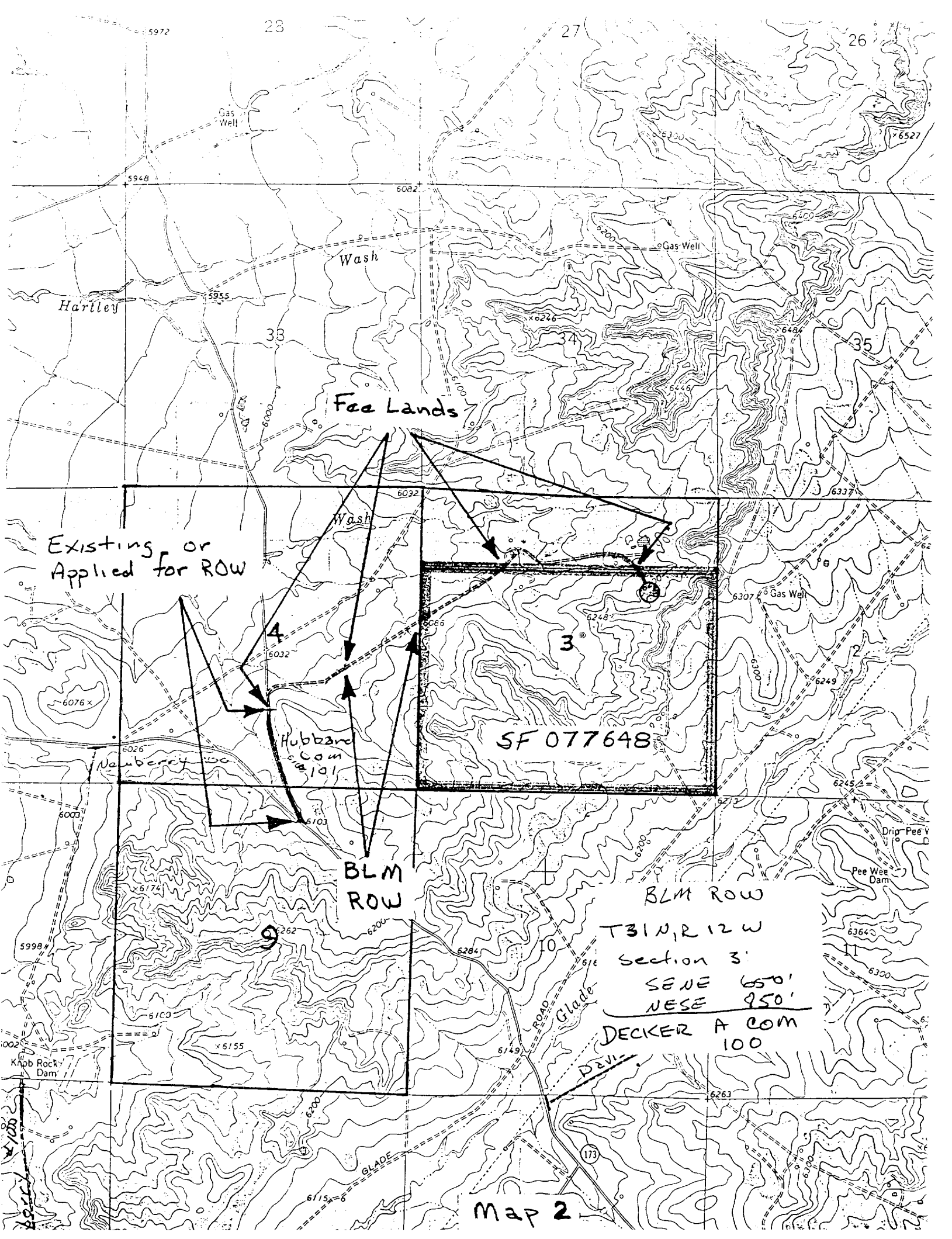
Three centralizers run every other joint above shoe.

Wellhead Equipment: 8 5/8" x 5 1/2" x 2 3/8" x 11" 3000 psi xmas tree assembly

Cementing:

8 5/8" surface casing - cement with 140 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (165 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

5 1/2" production casing - lead with 272 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu.ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 643 cu ft. of slurry, 100% excess to cover the Ojo Alamo. Run - temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.



5972

23

27

26

Gas Well

5948

6082

Gas Well

6527

Hartley

5955

33

Wash

6026

34

35

Fee Lands

Existing or
Applied for ROW

Wash

4

6032

3

Hubbard
Com
101

SF 077648

6307

Gas Well

6249

6245

BLM
ROW

BLM ROW

T31N, R12W

Section 3

SENE 650'

NESE 950'

DECKER A COM
100

Knob Rock
Dam

Pee Wee
Dam

6364

6300

Map 2