

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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BLM
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FBI - BLM

30-045-28705

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
1800' FNL 790' FWL

5. LEASE NUMBER
SF-077874

6. IF INDIAN, ALL. OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
HANKS

9. WELL NO.
501

10. FIELD, POOL, OR WILDCAT
BSN/F. KUTZ/F. COAL/F. CLIFFS

11. SEC. T. R. M OR BLK.
E SEC. 12 T27N R10W NMPM

14. DISTANCE IN MILES FROM NEAREST TOWN
12 MILES SO. OF BLANCO

12. COUNTY
SAN JUAN

13. STATE
NM

15. DISTANCE FROM
PROPOSED LOCATION 790'
TO NEAREST PROPERTY
OR LEASE LINE.

16. ACRES IN LEASE
2535.740

17. ACRES ASSIGNED TO WELL
320.00/160.00

18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 600'
COMPL., OR APPLIED
FOR ON THIS LEASE.

19. PROPOSED DEPTH
2250'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (DF, FT, GR, ETC.)
6040' GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS P

RECEIVED

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

OCT 02 1992

8/6/92
DATE

OIL CON. DIV.

DIST. 3

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

APPROVED
AS AMENDED

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

ARCH REPORT SUBMITTED 07/10/92

WILDLIFE REPORT SUBMITTED 06/23/92

SEP 30 1992

AREA MANAGER

NMOCD

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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, Artes, NM 88210

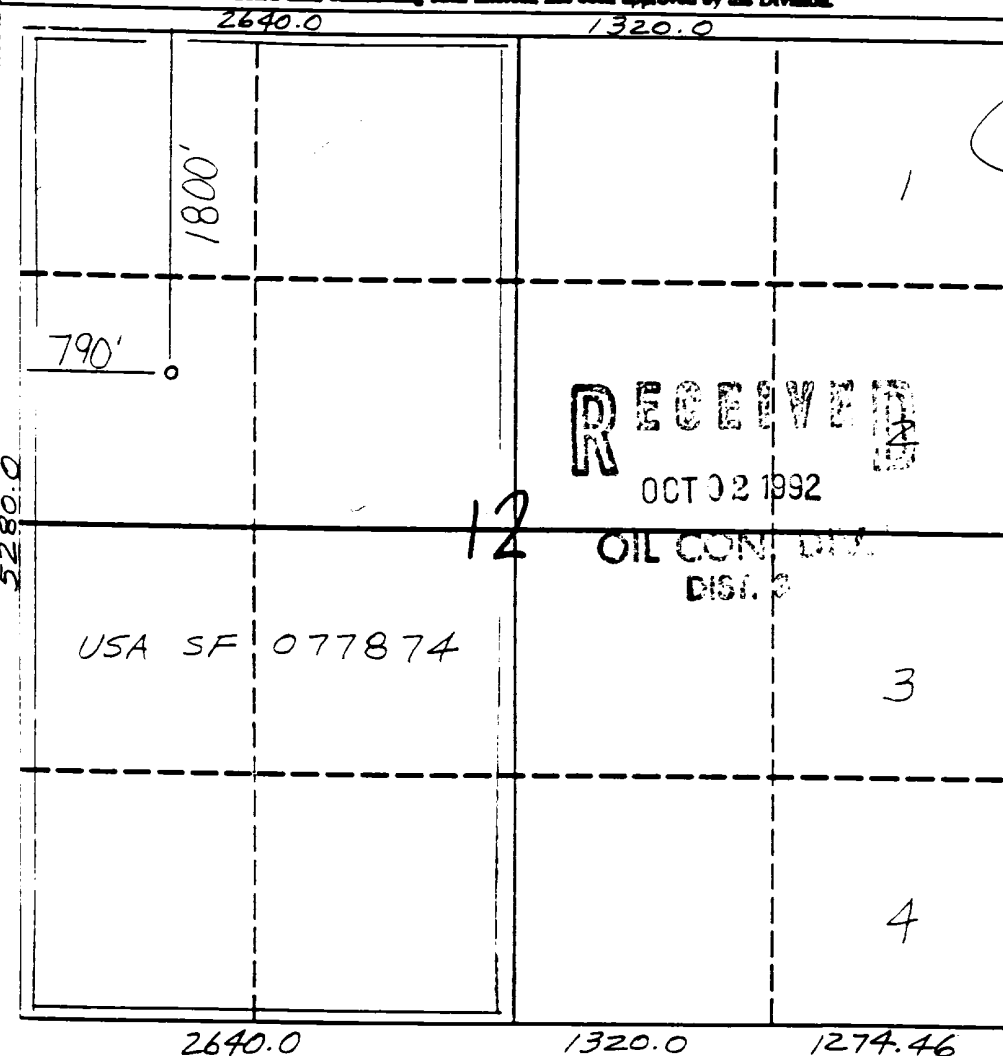
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Southland Royalty Company			Lease Hanks		Well No. 501
Unit Letter E	Section 12	Township 27 North	Range 10 West	County San Juan	NMPM
Actual Footage Location of Well: 1800 feet from the North line and 790 feet from the West line					
Ground level Elev. 6040'	Producing Formation Fruitland Coal/Pictured Cliffs Basin/Fulcher Kutz			Dedicated Acreage: 320/160 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or ink 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 communication, 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 communication, unitization, force-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.

Peggy Bradford
Signature

Peggy Bradford

Printed Name

Regulatory Affairs

Position

Southland Royalty

Company

7-24-92

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.

6-19-92

Date Surveyed

NEAL C. EDWARDS

Signature

Professional Surveyor

6857

Registration No.

6857

Expiration Date

6857

RECEIVED
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92-116-12 P11 3:33
992
SOUTHERN REGION, N.M.

Well Name: Hanks #501
Location: 1800'FNL, 790'FWL, Section 12, T-27-N, R-10-W
San Juan County, New Mexico
Formation: Basin Fruitland Coal/Fulcher Kutz Pictured Cliffs
Elevation: 6040'GL

Formation Tops:	Top	Bottom	Contents
Surface	Nacimiento	1002'	aquifer
Ojo Alamo	1002'	1142'	aquifer
Kirtland	1142'	1722'	shale
Fruitland	1722'	1822'	gas
Fruitland Coal Top	1822'	1953'	gas & salt water
Pictured Cliffs	1954'	2250'	gas
Total Depth	2250'		

Logging Program: Mud logs from 1722' to Total Depth.
IEL, ML, CNL, LDT, NGT

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-8.9	40-50	no control
200-2250'	Non-dispersed	8.4-9.1	30-60	no control

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0' - 200'	8 5/8"	24.0#	K-40
7 7/8"	0' - 2250'	4 1/2"	10.5#	K-55

0' - 2250' 2 3/8" 4.7# J-55

Float Equipment: 8 5/8" surface casing - saw tooth guide shoe.
Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe on bottom. Three (3) centralizers run every other joint above shoe. Two (2) turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1142'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 8 5/8" x 4 1/2" x 2 3/8" x 11" 3000 psi xmas tree assembly.

8 5/8" surface casing - cement with 210 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (250 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. Test casing to 600 psi/30 minutes.

EXISTING
R-O-W
&
STATE
LANDS

EXISTING
R-O-W

FEE
LANDS

NEW BLM
R-O-W

EXISTING
R-O-W

NEW BLM
R-O-W

MERIDIAN OIL INC
HANKS #501
T 27 N, R 10 W

600' New Construction

Section 12:	W2NW	1600'
	W2SE	3000'
	SWNE	250'
	E2NW	2500'
Section 35:	SES	1400'
	E2SE	1400'
	NESW	50'
	SESW	900'
Section 26:	W2NE	2000'
	NENE	600'
	E2SE	2300'
	NWNW	200'

Remaining roads on BLM are located
ROW's NM 80748, NM 80750 & NM 80753