

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY *30-039-25078*

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

MITCHELL ENERGY CORPORATION

3. ADDRESS OF OPERATOR

555 Seventeenth Street - Suite 3500
Denver, CO 80202

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

At surface
825' FSL & 1820' FWL Sec. 23-T31N-R4W
At proposed prod. zone *1870*

SAME

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

⁺61 miles northeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 825'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 4281'

16. NO. OF ACRES IN LEASE

1920 acres

19. PROPOSED DEPTH

4000'

17. NO. OF ACRES ASSIGNED

TO THIS WELL

W/ 320 acres

20. ROTARY OR CABLE TOOLS

rotary

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

2102
7190' GR

22. APPROX. DATE WORK WILL START*

9/15/90

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

PROPOSED CASING AND CEMENTING PROGRAM

DRILLING OPERATIONS AUTHORIZED ARE

SUBJECT TO OIL CON. DIV. WITH ATTACHED

"GENERAL REQUIREMENTS"

350 sxs - circ to surface

700 sxs - est TOC @ 350'

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8"	24# K-55	500'
7-7/8"	5-1/2"	15.5# K-55	4000'

The operator proposes to drill to a depth sufficient to test the Fruitland Formation. If productive, 5-1/2" casing will be run and set at ±4000'. If non-productive, the well will be plugged and abandoned consistent with Federal Regulations. Any zones above the Fruitland may be tested for productivity prior to Abandonment.

EXHIBITS ATTACHED

Ten Point Compliance Program

Surface Use & Operating Plan

Exhibit No. 1 Blowout Preventer Schematic

Exhibit No. 6 Production Facilities

Exhibit No. 2 Location Elevation Plat

Layout

Exhibit No. 3 Planned Access Roads

Exhibit No. 7 Drilling Rig Layout

Exhibit No. 4 Planned Pipeline Map

Exhibit No. 5 One Mile Radius Map

RECEIVED

MAY 28 1991

OIL CON. DIV.

DIST. 3

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 *James C. Anderson*
James C. Anderson

TITLE District Production Manager

(This space for Field Office use)

APPROVED
AS AMENDED

PERMIT NO.

APPROVAL DATE

JUN 7 1991

APPROVED BY

TITLE

CONDITIONS OF APPROVAL

OIL CON. DIV
DIST. 3

NMCCD

AREA MANAGER

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

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, 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. **ARMINGTON RESOURCE AREA**

Well No. 344

Operator Mitchell Energy Corporation			Lease Rosa Unit		County Rio Arriba
Unit Letter N	Section 23	Township 31 North	Range 4 West	NMPM	
Actual Footage Location of Well: 790 feet from the South line and 1840 feet from the West line					
Ground level Elev. 7102	Producing Formation Fruitland		Pool Brazos Fruitland Pool	Dedicated Acreage: 320 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 _____
 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.

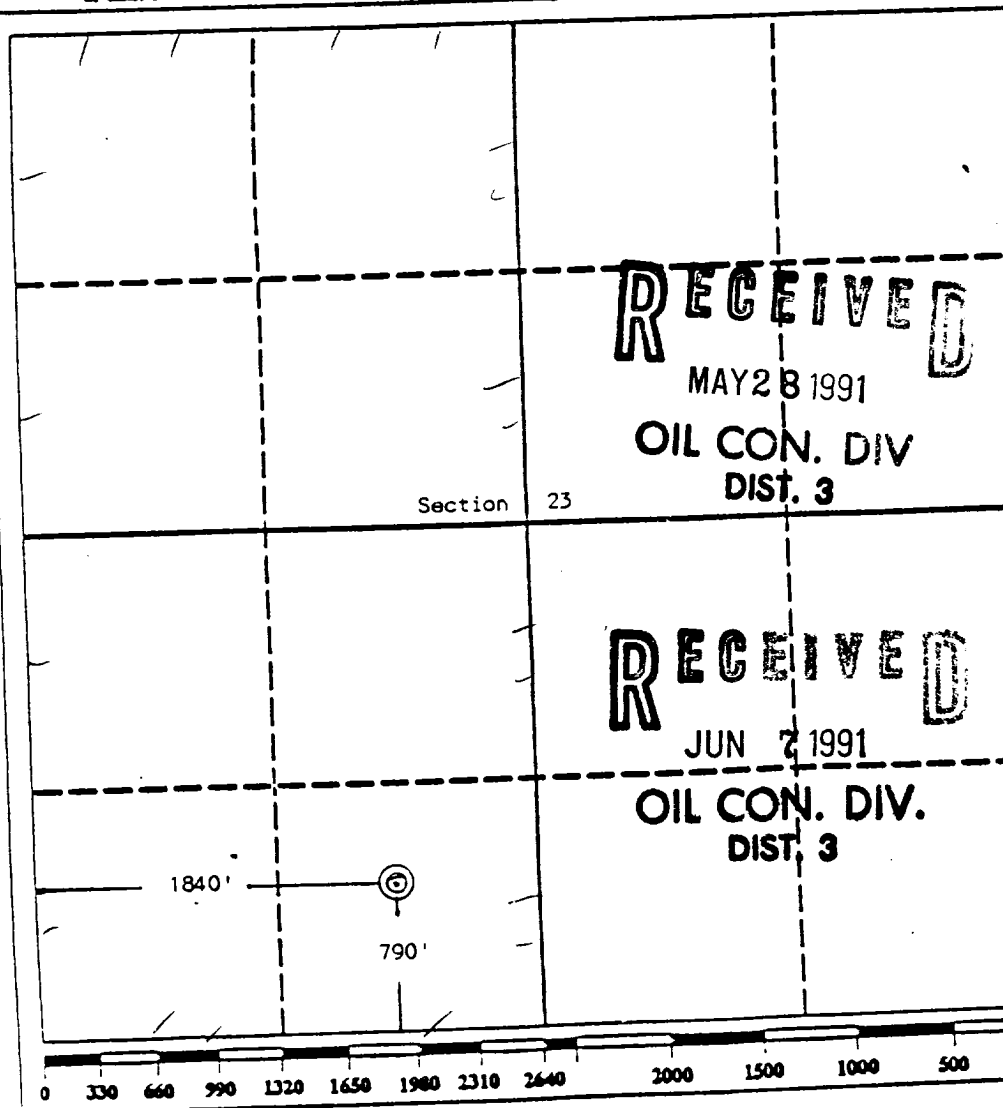
Signature *Albert Ribersat*
 Printed Name *Albert Ribersat*
 Position *District Engineer*
 Company *Mitchell Energy Corp.*
 Date *6-5-91*

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 April 11, 1991

Signature & Seal of Professional Surveyor
Edgar L. R. Righoover
 Certificate No. 5079
 Edgar L. R. Righoover



ED PIPELINE MAP
IT No. 4