

Copy Sent to E Basik

1/23/91

OIL CONSERVATION DIVISION
RECEIVED

January 16, 1991

'91 JAN 17 PM 10 02



Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

Re: Application for an Unorthodox Location
Mitchell Energy Corporation
Rosa Unit No. 83
790' FNL & 1730' FWL
Sec. 15-T31N-R4W
Basin Fruitland Coal Gas Pool
Rio Arriba County, New Mexico

Gentlemen:

Mitchell Energy Corporation respectfully requests your approval of an Application for Unorthodox Location for the Rosa Unit No. 83 well located 790' FNL & 1730' FWL of Sec. 15-T31N-R4W, Basin Fruitland Coal Gas Pool, Rio Arriba County, New Mexico.

The subject well was drilled in May, 1981 to test the Dakota Formation and subsequently temporarily abandoned. Current plans call for a recompletion attempt into the Basin Fruitland Coal Formation. This well is located outside the acreage dedicated to the Basin Fruitland Coal Formation therefore approval to Unorthodox Location is required. Since this well will be a recompletion, no new surface disturbance will be required, thereby minimizing damage to the environment and wildlife habitat.

Attached are exhibits showing the well location, plats of the surrounding area and the copy of the approved Sundry Notice. Also attached are waivers obtained from all offset operator and/or lease owners.

January 15, 1991
Page 2

If any further information is needed please feel free to contact me
at (303) 292-4455.

Respectfully yours,

MITCHELL ENERGY CORPORATION

A handwritten signature in cursive script, reading "Albert Libersat".

Albert Libersat
District Production Engineer

AL/jms
Attachments

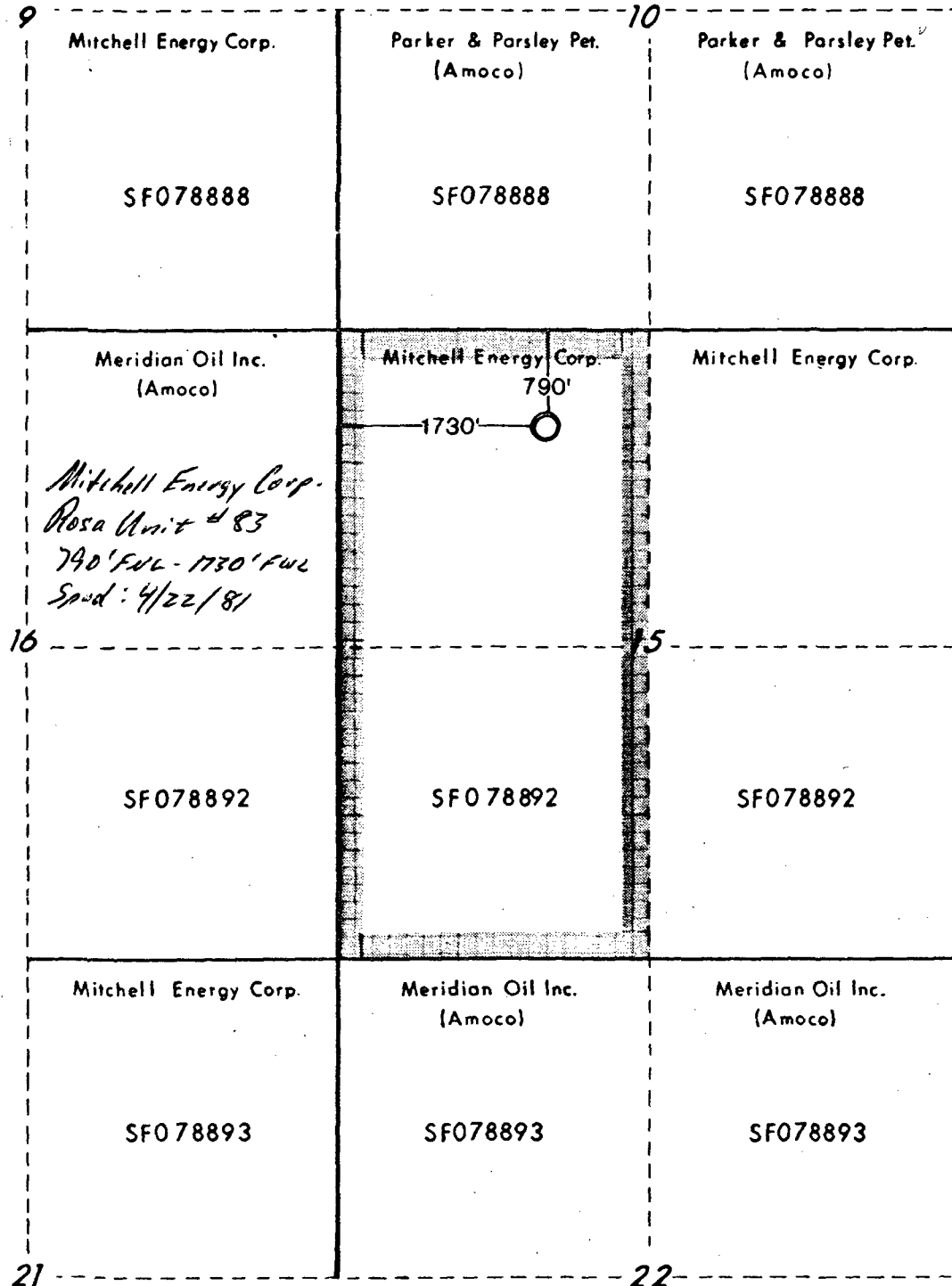
UNORTHODOX LOCATION FOR ROSA UNIT

#83

790'FNL 1730'FWL Sec.15 T31N R4W
Basin Fruitland Gas Pool

R 4 W

*Standard
640 acre
Section*



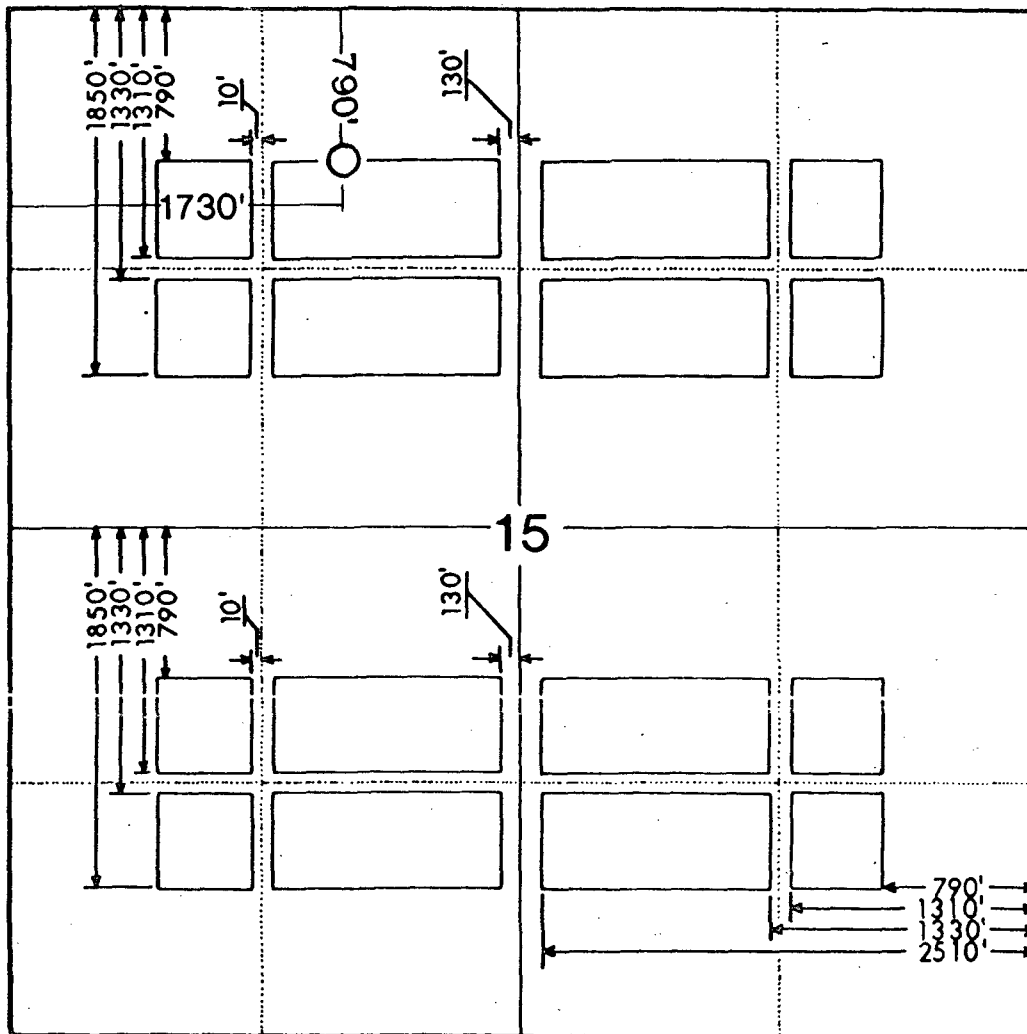
MITCHELL ENERGY CORPORATION

555 17th STREET, STE 3500 • DENVER, COLORADO 80202

UNORTHODOX LOCATION FOR ROSA UNIT #83

790' FNL 1730' FWL Sec.11 T31N R4W

Basin Fruitland Coal Gas Pool



MITCHELL ENERGY CORPORATION

555 17th STREET, STE. 3500 • DENVER, COLORADO 80202

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-1115
Expires September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

MITCHELL ENERGY CORPORATION

3. Address and Telephone No.

555 Seventeenth Street - Suite 3500, Denver, CO 80202

4. Location of Well (Range, Sec., T., R., M., or Survey Description)

790' FNL & 1730' FWL (NENW)
Sec. 15-T31N-R4W

5. Lease Designation and Serial No.

SF-078892

6. If Indian Allottee or Tribe Name

NA

7. If Unit or CA Agreement Designation

Rosa Unit

8. Well Name and No.

83

9. API Well No.

30-039-22597

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal
Gas Pool

11. County or Parish, State

Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection

Note: Report results of multiple completion on Well Completion or
Recompletion Report and Log form.

13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED.

NMOC approval for the unorthodox Location is
required.

No New Surface Disturbance.

14. I hereby certify that the foregoing is true and correct

Signed James C. Anderson
(This space for Federal or State office use)

Title DISTRICT PRODUCTION MANAGER

APPROVED

AS AMENDED

OCT 09 1990

AREA MANAGER

Approved by _____
Conditions of approval, if any:

Title _____

Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

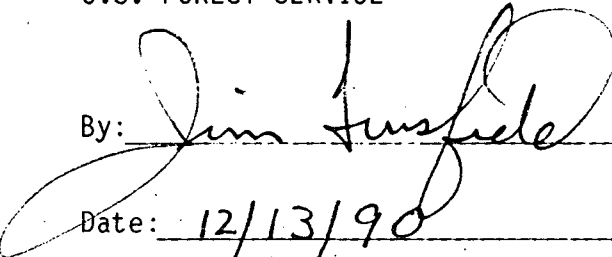
Re: Application for an Unorthodox Location
Mitchell Energy Corporation
Rosa Unit NO. 83
790' FNL & 1730' FWL
Sec. 15-T31N-R4W
Basin Fruitland Coal Gas Pool
Rio Arriba County, New Mexico

Gentlemen:

We, as Offset Operator, hereby waive objection to the Application to
Unorthodox Location of Mitchell Energy Corporation's Rosa Unit No. 83 well
located 790' FNL & 1730' FWL, Section 15-T31N-R4W, Basin Fruitland Coal Gas
Pool, Rio Arriba County, New Mexico.

Yours very truly,

U.S. FOREST SERVICE

By:  _____

Date: 12/13/90

RECEIVED

DEC 12 1990

Denver District
Production

Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

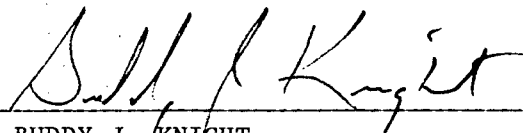
Re: Application for an Unorthodox Location
Mitchell Energy Corporation
Rosa Unit NO. 83
790' FNL & 1730' FWL
Sec. 15-T31N-R4W
Basin Fruitland Coal Gas Pool
Rio Arriba County, New Mexico

Gentlemen:

We, as Offset Operator, hereby waive objection to the Application to Unorthodox Location of Mitchell Energy Corporation's Rosa Unit No. 83 well located 790' FNL & 1730' FWL, Section 15-T31N-R4W Basin Fruitland Coal Gas Pool, Rio Arriba County, New Mexico.

Yours very truly,

PARKER & PARSLEY PETROLEUM COMPANY

By: 

BUDDY J. KNIGHT
DIVISION OPERATIONS MANAGER

Date: DECEMBER 10, 1990

xc: BJK-RF

RECEIVED

JAN 7 1991

Denver District
Production

Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

Re: Application for an Unorthodox Location
Mitchell Energy Corporation
Rosa Unit NO. 83
790' FNL & 1730' FWL
Sec. 15-T31N-R4W
Basin Fruitland Coal Gas Pool
Rio Arriba County, New Mexico

Gentlemen:

We, as Offset Operator, hereby waive objection to the Application to Unorthodox Location of Mitchell Energy Corporation's Rosa Unit No. 83 well located 790' FNL & 1730' FWL, Section 15-T31N-R4W, Basin Fruitland Coal Gas Pool, Rio Arriba County, New Mexico.

Yours very truly,

MERIDIAN OIL, INC.

By: Alan Anderson

Date: 1-1-91

OIL CONSERVATION DIVISION
RECEIVED

'91 JAN 4 AM 9 14

Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

Re: Application for an Unorthodox Location
Mitchell Energy Corporation
Rosa Unit NO. 83
790' FNL & 1730' FWL
Sec. 15-T31N-R4W
Basin Fruitland Coal Gas Pool
Rio Arriba County, New Mexico

Gentlemen:

We, as Offset Operator, hereby waive objection to the Application to
Unorthodox Location of Mitchell Energy Corporation's Rosa Unit No. 83 well
located 790' FNL & 1730' FWL, Section 15-T31N-R4W, Basin Fruitland Coal Gas
Pool, Rio Arriba County, New Mexico.

Yours very truly,

MERIDIAN OIL, INC.

By: Alan Heygrader

Date: 1-1-91

OIL CONSERVATION DIVISION
RECEIVED

'91 JAN 4 AM 9 14

Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

Re: Application for an Unorthodox Location
Mitchell Energy Corporation
Rosa Unit NO. 83
790' FNL & 1730' FWL
Sec. 15-T31N-R4W
Basin Fruitland Coal Gas Pool
Rio Arriba County, New Mexico

Gentlemen:

We, as Offset Operator, hereby waive objection to the Application to Unorthodox Location of Mitchell Energy Corporation's Rosa Unit No. 83 well located 790' FNL & 1730' FWL, Section 15-T31N-R4W, Basin Fruitland Coal Gas Pool, Rio Arriba County, New Mexico.

Yours very truly,

MERIDIAN OIL, INC.

By: Alan Heyman

Date: 1-1-91

1/15/91
Ernie,
Do you have an affiliation in your
title for this non-standard coal gas
well location. This has been the only
item I have received so far. (I think).
Thanks for your help.
M. Heyman

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	Other _____		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other _____
2. NAME OF OPERATOR Mitchell Energy Corporation						5. LEASE DESIGNATION AND SERIAL NO. SF-078892	
3. ADDRESS OF OPERATOR 1670 Broadway Suite 3200 Denver, Colorado 80202						6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 790' FNL & 1730' FWL (NE NW) At top prod. interval reported below Same At total depth Same						7. UNIT AGREEMENT NAME Rosa	
14. PERMIT NO. _____ DATE ISSUED _____						8. FARM OR LEASE NAME NA	
15. DATE SPUDDED 4/22/81						9. WELL NO. 83	
16. DATE T.D. REACHED 5/17/81						10. FIELD AND POOL, OR WILDCAT Basin Dakota	
17. DATE COMPL. (Ready to prod.) 8/16/82						11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 15-T31N-R4W	
18. ELEVATIONS (DF, REB, RT, GR, ETC.) 6668' KB						12. COUNTY OR PARISH Rio Arriba	
19. ELEV. CASINGHEAD 6655' GR						13. STATE New Mexico	
20. TOTAL DEPTH, MD & TVD 8455						21. PLUG, BACK T.D., MD & TVD 8383	
22. IF MULTIPLE COMPL., HOW MANY* →						23. INTERVALS DRILLED BY →	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 8276'-8348' Dakota						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Cont. Dipmeter 5600-8424 DIL-366-8448; CNL-FDC 366-8454; FIL 5600-8422						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
10-3/4"		40.5		366'		14-3/4"	
4-1/2"		11.6		8453		6-1/8"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-3/8"		8186					
31. PERFORATION RECORD (Interval, size and number)							
8324'-48', 8276'-88': 2 SPF, 54 holes @ 0.35".							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
				3750 gal. 7-1/2% HCL			
				28,000 gal. Polaris 50# gel			
				24,000 #20/40 sand.			
33. PRODUCTION							
DATE FIRST PRODUCTION 8/16/82		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Swabbing and flowing				WELL STATUS (Producing or shut-in) TA	
DATE OF TEST 8/16/82		HOURS TESTED 10		CHOKE SIZE ---		PROD'N. FOR TEST PERIOD →	
FLOW. TUBING PRESS. TSTM		CASING PRESSURE 700		CALCULATED 24-HOUR RATE →		OIL—BBL. ---	
						GAS—MCF. TSTM	
						WATER—BBL. 80	
						OIL GRAVITY-API (CORR.) ---	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented						TEST WITNESSED BY Bob Hiser	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from available records							
SIGNED [Signature]		TITLE Area Prod. Mgr.					
		DATE SEP 27 1983					

*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOCC

FARMINGTON RESOURCE AREA
BY: SM

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Ojo Alamo	2880'	3788'
				Kirtland	3030'	3608'
				Fruitland	3422'	3246'
				Pictured Cliffs	3560'	3108'
				Lewis	3980'	2688'
				Cliff house	5562'	1106'
				Menefee	5807'	861'
				Point Lookout	6025'	643'
				Mancos	6312'	356'
				Gallup	6890'	-222'
				Gallup Base	7740'	-1072'
				Sanostee	7785'	-1117'
				Greenhorn	8091'	-1423'
				Graneros	8142'	-1474'
				Dakota	8252'	-1584'

RECEIVED
OCT 14 1963
OIL CONSERVATION DIVISION
SANTA FE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONSERVATION DIVISION
RECEIVED

FORM APPROVED
Budget Bureau No. 1004-1135
Expires September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

23F-078892

6. If Indian Allottee or Tribe Name

NA

7. If Unit or CA Agreement Designation

Rosa Unit

8. Well Name and No.

83

9. API Well No.

30-039-22597

10. Field and Pool or Exploratory Area
Basin Fruitland Coal
Gas Pool

11. County or Parish, State

Rio Arriba, New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

MITCHELL ENERGY CORPORATION

3. Address and Telephone No.

555 Seventeenth Street - Suite 3500, Denver, CO 80202

4. Location of Well (Forage, Sec., T., R., M., or Survey Description)

790' FNL & 1730' FWL (NENW)

Sec. 15-T31N-R4W

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection

Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.

13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED.

RECEIVED
OCT 17 1990
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed James C. Anderson
JAMES C. ANDERSON
(This space for Federal or State office use)

Title DISTRICT PRODUCTION MANAGER

APPROVED
AS AMENDED
OCT 9 1990
Ken Townsend
FOR AREA MANAGER

Approved by _____
Conditions of approval, if any:

Title _____

Mitchell Energy Corporation will attempt to recompleate the Rosa Unit No. 83 well from the Dakota Formation into the Fruitland Formation. The proposed procedure for the recompletion is as follows:

1. MI & RU pulling unit. ND wellhead & NU BOP's.
2. TIH w/tbg to $\pm 8200'$ & circ hole w/9.0#/gal mud.
3. Spot 100' cement plugs while POOH from 6840'-6940' (Gallup Formation) & 5500'-5600' (Mesa Verde Formation). POOH.
4. TIH w/CIBP & set @ $\pm 3900'$ & dump 5 sxs cement on top.
5. TIH w/perforating gun & perf from 3650'-3652' w/4 SPF for squeeze.
6. TIH w/squeeze tool & attempt to circ from perfs @ 3652' to surface. If able to circ then cement 4-1/2" csg from 3658' to surface. If unable to circ squeeze perfs 3650'-3652' w/ ± 100 sxs cement. Also perf from $\pm 3510'$ -3512' & also squeeze w/100 sxs cement. POOH.
7. TIH w/CBL-GR Logging tool & log from PBD ($\pm 3850'$) to surface.
8. TIH w/perf gun & perf Fruitland Formation from ~~3591'-3584'~~ & 3558'-3536'.
PC
9. Flow test & swab if needed.
10. If necessary, fracture stimulate the Fruitland Formation using approximately 65,000 gals of gelled fluid & $\pm 150,000$ lbs sand.
11. Install production equipment.
12. Begin production of well.

RECEIVED
OCT 17 1980
OIL CON. DIV.
DIST. 3



STATE OF NEW MEXICO
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

Date: 2-7-91

Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

RE: Proposed MC _____
Proposed NSL X _____
Proposed WFX _____
Proposed NSP _____

Proposed DHC _____
Proposed SWD _____
Proposed PMX _____
Proposed DD _____

Gentlemen:

I have examined the application received on 1-24-91
for the Mitchell Energy Corp. Rosa Unit # 83
OPERATOR LEASE & WELL NO.

C-15-31A-4W and my recommendations are as follows:
UL-S-T-R

Approved

Yours truly,

Eric B. Buel