

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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
Morgan-Richardson Operating Co.

3. ADDRESS OF OPERATOR
P. O. Box 9808, Denver, CO 80209

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
1450' FSL & 1190' FWL (SW $\frac{1}{4}$)
At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
30 Miles southeast of Bloomfield, New Mexico

5. LEASE DESIGNATION AND SERIAL NO.
NM 61561

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Federal-17

9. WELL NO.
#31

10. FIELD AND POOL, OR WILDCAT
Basin Fruitland Coal

11. SEC., T., R. M., OR BLK.
AND SURVEY OR AREA
L
Sec. 17 T25N R8W

12. COUNTY OR PARISH
San Juan

13. STATE
NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	1190'	16. NO. OF ACRES IN LEASE 320	17. NO. OF ACRES ASSIGNED TO THIS WELL W/ 320
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	--	19. PROPOSED DEPTH 2030'	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6467 GR This action is subject to technical and procedural review pursuant to 43 CFR 3165.4, and appeal pursuant to 43 CFR 3165.5.			22. APPROX. DATE WORK WILL START* February 1, 1990

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

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24# J-55	300' 120	210 sx Class "B"
7-7/8"	4-1/2"	11.6#, J-55	2030	260 sx 50-50 Poz

EXHIBITS ATTACHED:

- "A" Location and Elevation Plat
- "B" Drilling Program
- "C" Blowout Preventer Diagram
- "D" Surface Use Program
- "E", "E₁" Detail of Access Road
- "F" Radius Map of Field
- "G" Drill Pad Layout, Cuts/Fills, X-Sections
- "H" Drill Rig Layout

RECEIVED
MAY 29 1990
OIL CON. DIV.
DIST. 3

I HEREBY CERTIFY THAT I HAVE THE NECESSARY AUTHORIZATIONS TO OPERATE THIS WELL. BOND
COVERAGE PURSUANT to 43 CFR 3104 FOR LEASE ACTIVITIES IS BEING PROVIDED BY MORGAN-
RICHARDSON OPERATING CO.

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 David B. Richardson TITLE President DATE January 11, 1990

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE MAY 29 1990

CONDITIONS OF APPROVAL, IF ANY:

AKC

WACON

John Spiller
AREA MANAGER

Submit to Appropriate
District Office
State 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 Grande Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

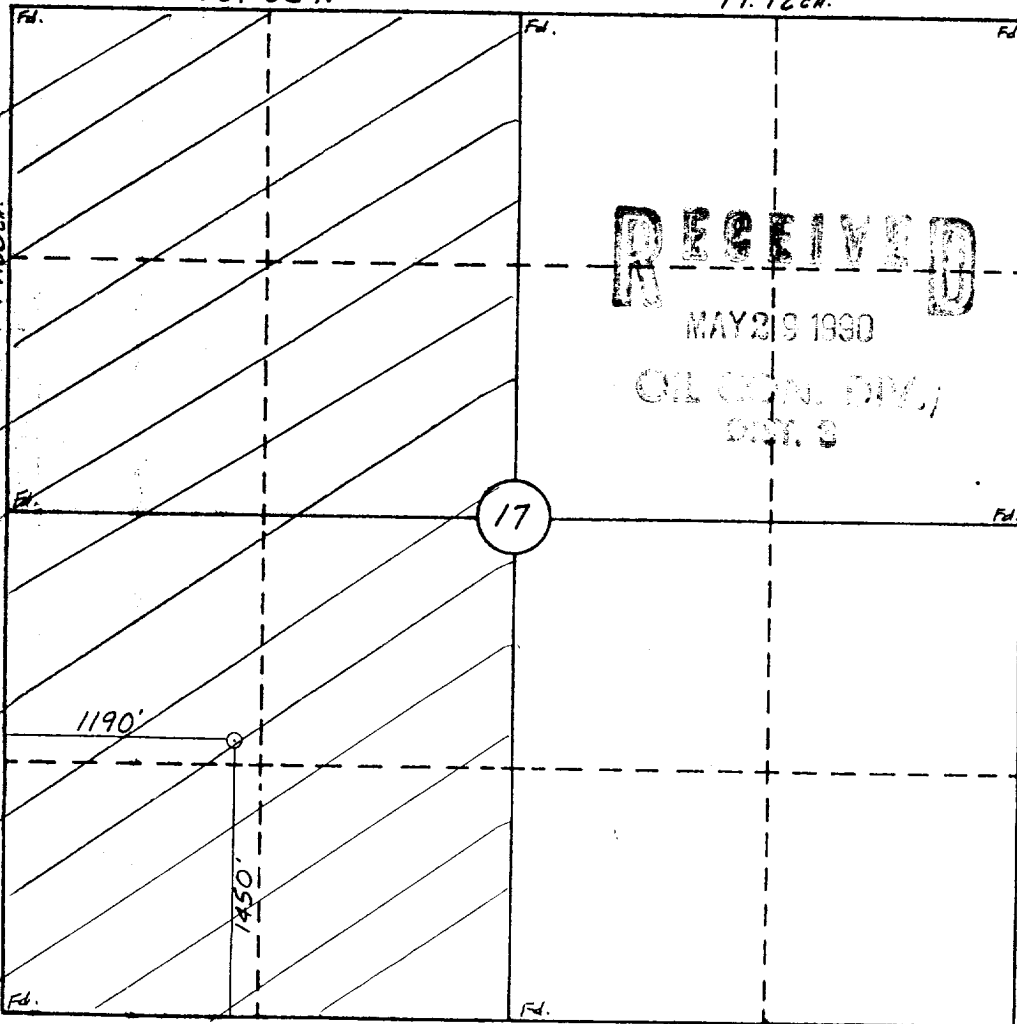
Operator MORGAN-RICHARDSON OPERATING CO.			Lease FEDERAL -17		Well No. 31
Unit Letter L	Section 17	Township 25 N	Range 8 W	County San Juan	
Actual Footage Location of Well: 1450 feet from the South line and 1190 feet from the West line					
Ground level Elev. 6467	Producing Formation Fruitland	Pool <i>Basin</i>			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.

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

S89°52'W

79.92 ch.



OPERATOR CERTIFICATION

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

Signature
Connie L. Frailey
Printed Name
Connie L. Frailey
Position
Agent/Morgan-Richardson
Company
Powers Elevation Co., Inc.
Date
January 11, 1990

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.
11-29-89

Date Surveyed
William E. Mahnke II

Signature of Surveyor
Professional Surveyor

WILLIAM E. MAHNKE II
NEW MEXICO
#8466
PROFESSIONAL LAND SURVEYOR
Certificate No. 8466

EXHIBIT "E-1"

Detail of Access Road

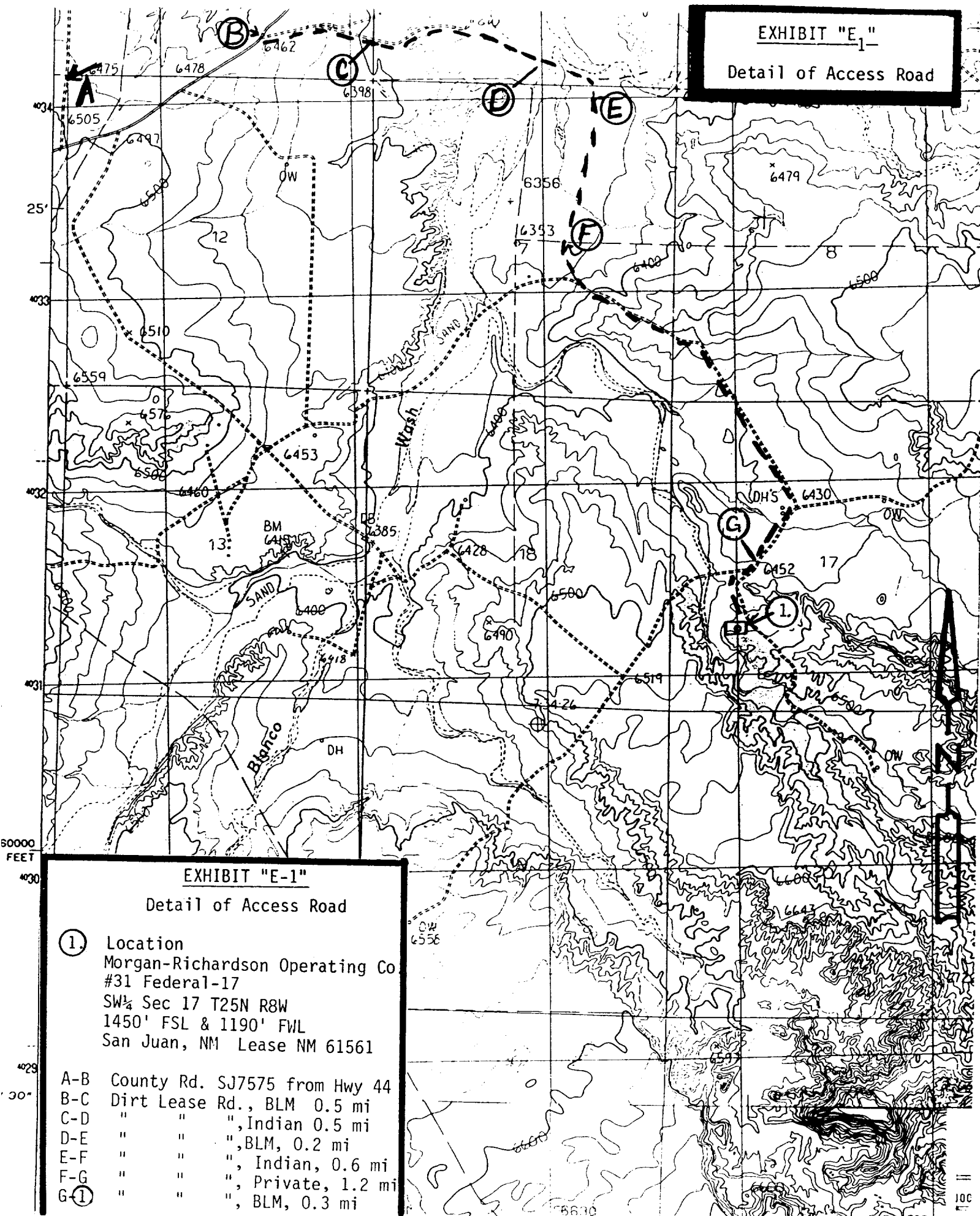


EXHIBIT "E-1"

Detail of Access Road

- ① Location
Morgan-Richardson Operating Co
#31 Federal-17
SW¼ Sec 17 T25N R8W
1450' FSL & 1190' FWL
San Juan, NM Lease NM 61561

- A-B County Rd. SJ7575 from Hwy 44
B-C Dirt Lease Rd., BLM 0.5 mi
C-D " " "Indian 0.5 mi
D-E " " "BLM, 0.2 mi
E-F " " "Indian, 0.6 mi
F-G " " "Private, 1.2 mi
G-① " " "BLM, 0.3 mi