

N.M.C.O.D. COPY - *certified*
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIP
(Other instructions
reverse side)TE*
re-Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC 029388 (d)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal Johnson "B" A/C 2

9. WELL NO.

10. FIELD AND POOL, OR WELDFAT

Shugart Y-28 Q-G

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 15, T-18S, R-31E

12. COUNTY OR PARISH 13. STATE

Eddy

NM

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

1. OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Marathon Oil Company ✓

3. ADDRESS OF OPERATOR

P.O. Box 2409 Hobbs, New Mexico 88240 ARTESIA, OFFICE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

660' FNL & 660' FWL of Section 15, T-18S, R-31E

14. PERMIT NO.

Current

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

GL 3686'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) Prod. well w/electric pmp. jack X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

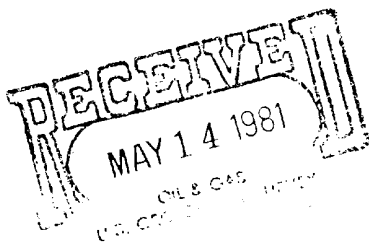
ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. 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 perti-
nent to this work.)*

Marathon Oil Company proposes to run an electric line to this well and
produce the well with an electric pump jack. The well does not produce
enough gas to run a gas engine to operate the pumping unit.

The electric line will be approximately 294' long and will carry 480 volts.
The line will require three poles.



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

SIGNED

TITLE Operations Supt.

DATE 5-12-81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

FOR
JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions on Reverse Side

AMENDED MULTIPOINT SURFACE USE AND OPERATIONS PLAN

Marathon Oil Company
Federal Johnson "B" A/C 2 Well No. 1
660' FNL & 660' FWL, Sec. 15, T-18S, R-31E
Eddy County, New Mexico
Lease LC 029388(d)

This plan is submitted with a sundry notice describing the proposed operations. The purpose of the plan is to obtain permission to run an electrical line to the above well for the purpose of operating an electric motor (for a pumping unit).

1. Existing Roads

- A. Exhibit "A" is a portion of a highway map showing the location of the well. Approximately 5.3 miles east of Loco Hills, New Mexico on U. S. Highway 82 is State Highway 31. Approximately 4 miles south on Highway 31 is a lease road proceeding south-east. Approximately 1 mile southeast on this lease road is another lease road proceeding northeast. Approximately .3 miles northeast on this lease road is another lease road proceeding north. Approximately 300 feet north of this lease road, the road comes to a "T" intersection. The well is located approximately 600 feet west of this intersection.
- B. Exhibit "B" is a plat showing all existing roads in the vicinity of Federal Johnson "B" A/C 2 Well No. 1.

2. Planned Access Roads

No access roads will be constructed. Only existing roads will be used.

3. Location of Existing Wells

All wells in the vicinity of Federal Johnson "B" A/C 2 Well No. 1 are shown on Exhibit "B".

4. Location of Proposed Facilities

- A. Exhibit "C" is a diagram of the location of the proposed electrical line.
- B. The proposed electrical line will carry 480 volts and will necessitate the setting of three poles to carry the line. The proposed electrical line will be 294' long and will run south-east (from the existing line) to the well.

5. Other Information

- A. Topography: Land surface is generally flat (with a series of fairly low hummocks), and sandy.
- B. Soil: Fine sand underlain by caliche.
- C. Flora and Fauna: The vegetative cover is generally sparse and consists of mesquite, yucca, sand sage, and native range grasses. Wildlife in the area includes: rabbits, coyotes, reptiles, dove, quail, and other inhabitants typical of semi-arid dessert land.
- D. Ponds and Streams: There are no rivers, lakes, ponds, or streams in

- E. Residence and Other Structures: There are no occupied dwellings in the vicinity of the wellsite.
- F. Archeological, Historical, and Cultural Sites: None observed in the area. The Archeological Inspection Report is attached to this application.
- G. Land Use: Grazing and hunting in season.
- H. Surface Ownership: The well and the proposed electrical line are on Federal surface. The proposed electrical line lies wholly within Marathon Oil Company's Federal Johnson "B" A/C 2 Lease and does not cross any section or lease line.

6. Operators Representative

Calvin C. Saathoff
P.O. Box 2409
Hobbs, NM 88240
(505) 393-7106

104°00'

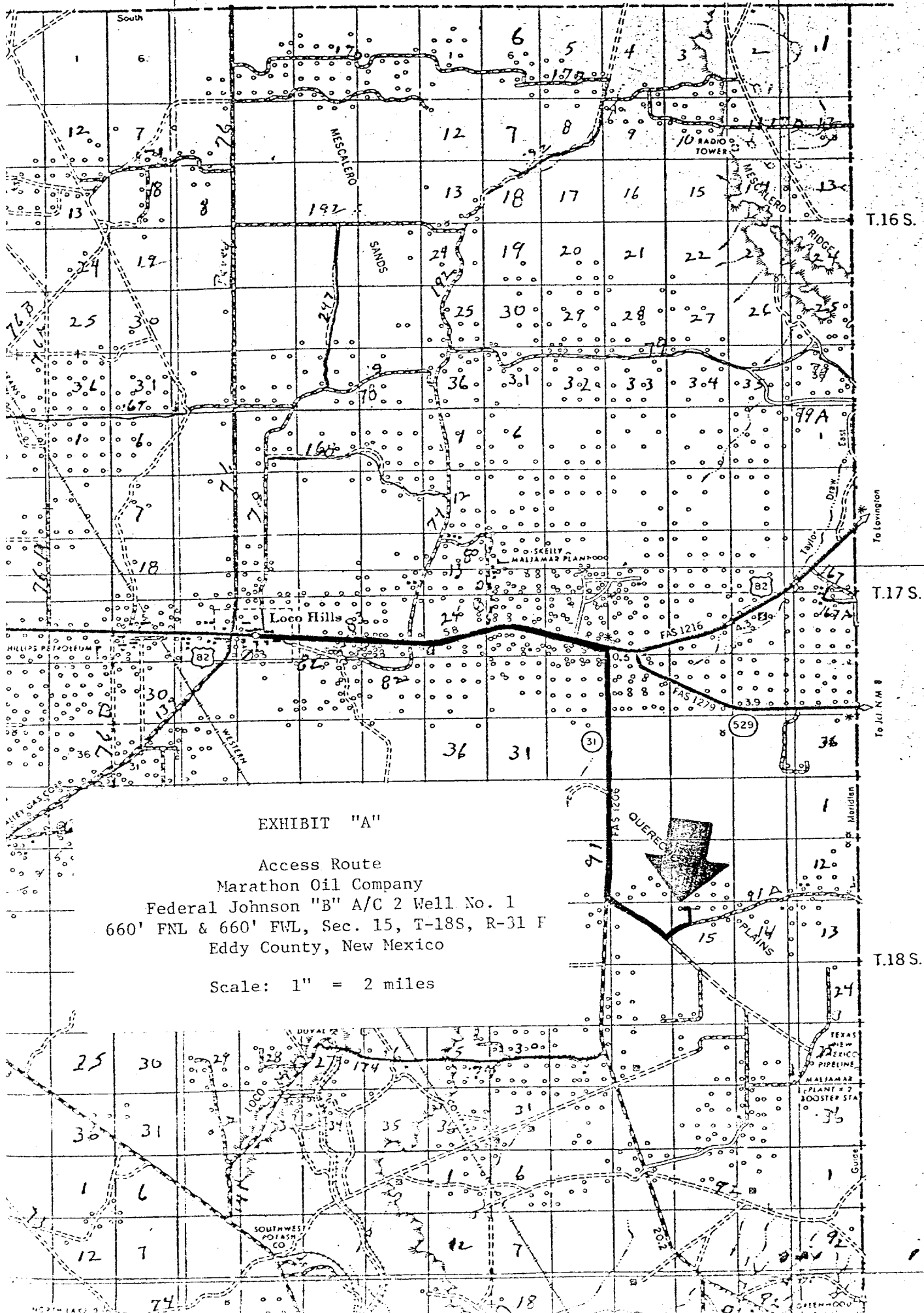
103°50'

Y

R.30 E.

R.31 E.

South



Y

T

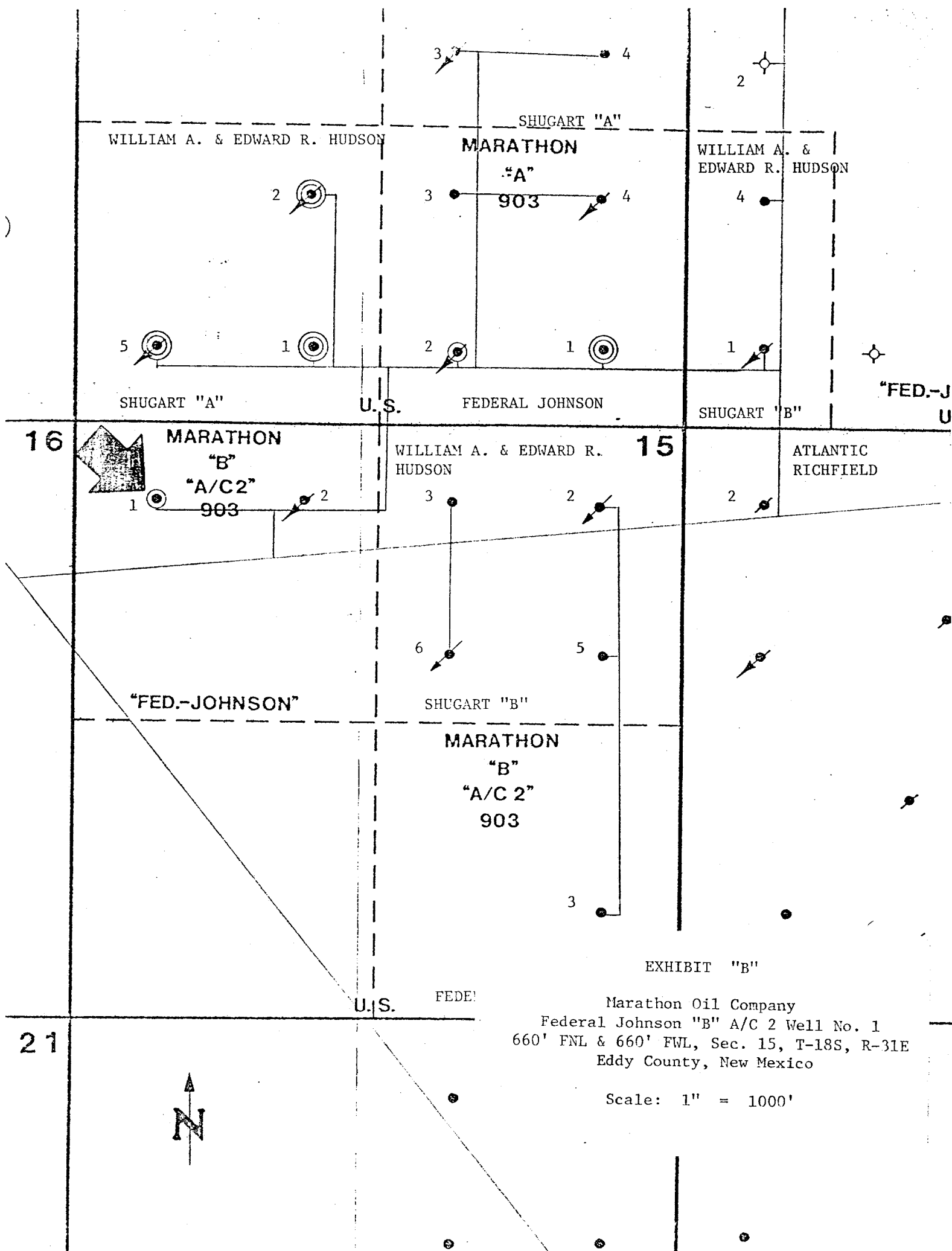
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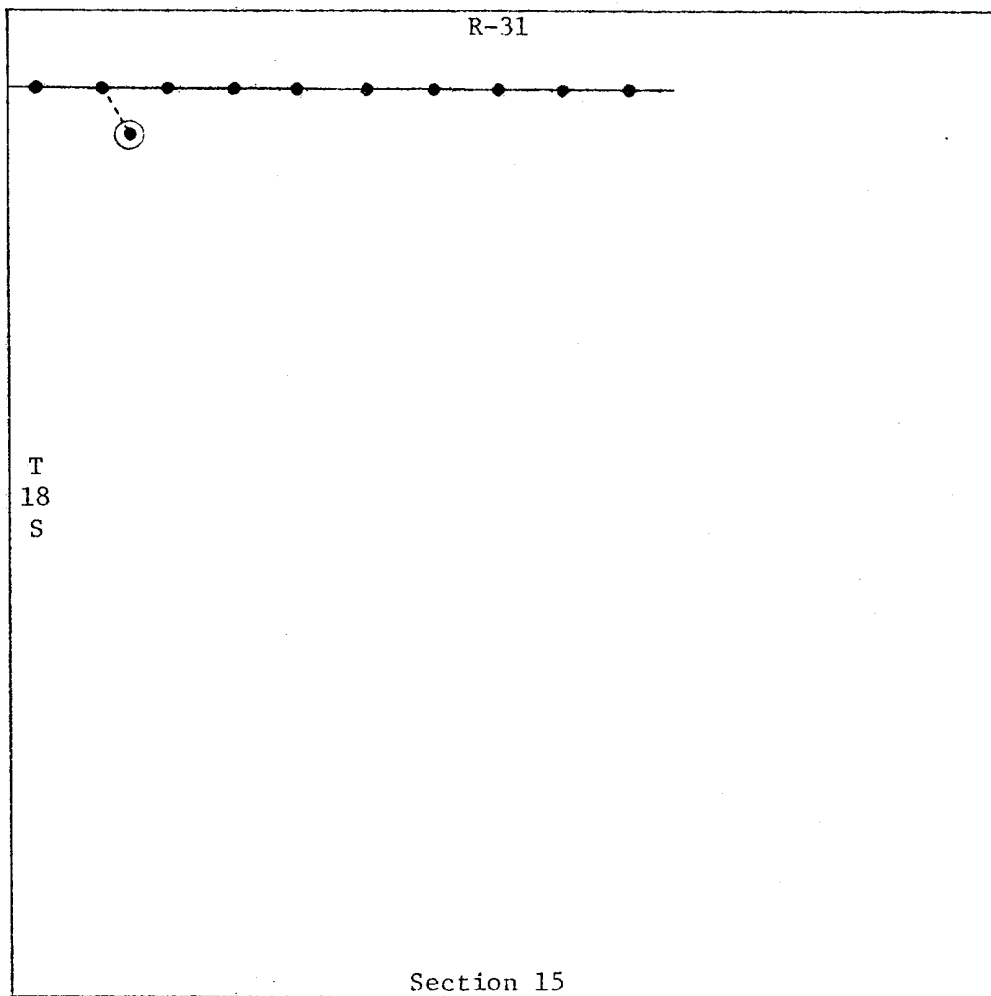
U

O

C

A





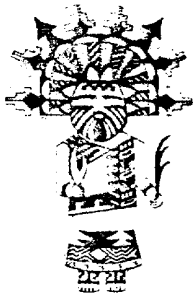
LEGEND

- Existing Electric Line
- - - - - Proposed Electric Line to Well No. 1
- ⊙ Federal Johnson "B" A/C 2 Well No. 1



EXHIBIT "C"

Well Layout
 Marathon Oil Company
 Federal Johnson "B" A/C 2 Well No. 1
 660' FNL & 660' FWL, Sec. 15, T-18S, R-31E
 Eddy County, New Mexico



NMAS

New Mexico Archaeological Services, Inc.

P. O. Box 1341

Carlsbad, New Mexico 88220

(505) 887-7646

11 May 1981

Reconnaissance

Excavation

Analysis

Explanation

Curation

Mr. Pat Burton
Production Engineer
MARATHON OIL COMPANY
P.O. Box 2409
Hobbs, New Mexico 88240

Dear Mr. Burton:

Enclosed please find NMAS' Archaeological Clearane Report for MARATHON OIL COMPANY's proposed power line to MARATHON "B" "A/C2" 903 in Section 15, T18S, R31E, in Lea County, New Mexico. No cultural resources were recorded during this reconnaissance, and hence NMAS is *suggesting* clearance for this project.

If you have any questions pertaining to this report, please call my office. Thank you for asking NMAS to do this reconnaissance.

Yours sincerely,

J. Loring Haskell
Dr. J. Loring Haskell
Principal Investigator

Enclosure

cc: Mr. Thomas Zale, BLM, Carlsbad
Ms. Ann Ramage, BLM, Roswell
Mr. Curtis Schaafsma, Laboratory of Anthropology,
Santa Fe
Mr. Thomas W. Merlan, SHPO, Santa Fe

as

Archaeological Clearance Report

for

MARATHON OIL COMPANY

Power Line to
Marathon "B" A/C2" ~~999~~ WELL #1
Section 15, T18S, R31E, NMPM, Lea County, New Mexico

Prepared

By

Dr. J. Loring Haskell

Submitted

By

Dr. J. Loring Haskell
Principal Investigator
New Mexico Archaeological Services, Inc.
Carlsbad, New Mexico

11 May 1981

Permit No. 80-NM-193

ABSTRACT

New Mexico Archaeological Services, Inc., representing MARATHON OIL COMPANY, Hobbs, undertook an archaeological reconnaissance of Bureau of Land Management lands scheduled to be impacted by the construction of a power line. The investigated easement will be situated in Section 15, T18S, R31E, NMPM, Lea County, New Mexico. No cultural resources were recorded during this reconnaissance, and hence NMAS is *suggesting* clearance for MARATHON OIL COMPANY's proposed power line.

Introduction

On 8 May 1981, New Mexico Archaeological Services, Inc., (NMAS), Carlsbad, undertook for MARATHON OIL COMPANY, Hobbs, an archaeological reconnaissance of lands administered by the Bureau of Land Management in Lea County, New Mexico. The reconnoitered easement will be impacted by the construction of a power line. This project was advanced by Mr. Pat Burton, Production Engineer, Hobbs, and administered by Dr. J. Loring Haskell, Principal Investigator, NMAS, Inc. This reconnaissance was undertaken by Dr. Haskell.

Survey Technique

For this investigation, MARATHON OIL COMPANY's proposed easement was investigated for evidence of man's past activities by walking it in two, 35 ft wide, close interval (15° or less), zigzag transects. Methodologically, this procedure served to promote optimal conditions for the visual examination of areas to be impacted by construction-related activities.

Power Line to
Marathon "B" "A/C2" ~~9153~~ WELL #1

Location

As proposed, MARATHON OIL COMPANY's easement will measure 50 X 294 ft on federal lands and will be situated in the:

NW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 15, T18S, R31E, NMPM, Lea County, NM

Map Reference: USGS MALJAMAR QUADRANGLE, 15 Minute Series, 1963.

Terrain

MARATHON OIL COMPANY's proposed power line will cross an undulating plain overlain by aeolian deposits of Pleistocene and Holocene age. Medium-sized coppice dunes (1 to 2 m) occur to the north. Elsewhere, dunes and deflation basins are of minor development. Areal soil individuals

are dominated by the sand separate. Pedons belong to the Typic Torripsamment subgroup.

Floristics

Local soil individuals host a mixed overstory of *Quercus havardii*, *Prosopis juliflora*, *Artemisia filifolia*, and *Yucca glauca*. Associated forbs include *Monarda punctata*, *Hedyotis* sp., *Helianthus* sp., *Oenothera* sp., *Dithyrea* sp., *Phayllanthus* sp., and *Tradescantia* sp. The Gramineae is represented by *Aristida* sp., *Andropogon* sp., *Muhlenbergia* sp., and *Sporobolus* sp.

Cultural Resources

No cultural resources were recorded during this reconnaissance. Their overall absence is due principally to the character of the attendant landform which lacks lithic material suitable for flaked-tool manufacture and in the immediate vicinity potable water and shelter. Prehistoric land usage focused on hunting and gathering activities.

Recommendations

NMAS recommends clearnace for MARATHON OIL COMPANY's easement and suggests that work-related activities proceed in accordance with company plans. Clearance, of course, is granted by the Bureau of Land Management. If cultural reosurces are encountered during construction, the BLM and NMAS should be notified immediately. Duned settings are notorious for covering and uncovering cultural properties.