

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Mineral Cons. Commission

Drawer DD

Artesia, NM 88210

30-005-62559
5. LEASE DESIGNATION AND SERIAL NO.

NM 62182

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

NORTH
Park Federal

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Wildcat Fusselman

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

Sec. 20, T-11-S, R-27-E

12. COUNTY OR PARISH

Chaves

N.M.

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 ☐

RECEIVED

2. NAME OF OPERATOR

Marathon Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 552 Midland, Texas 79702

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

At surface

990' FNL & 835' FWL, Sec. 20, T-11-S, R-27-E

At proposed prod. zone

990' FNL & 835' FWL, Sec. 20, T-11-S, R-27-E

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

19 miles East-South-East from Roswell, New Mexico

15. DISTANCE FROM PROPOSED*

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

835'

16. NO. OF ACRES IN LEASE

609.4

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

3378'

19. PROPOSED DEPTH

6800'

20. ROTARY OR CABLE TOOLS

Rotary

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

3685.1 Ground Level

22. APPROX. DATE WORK WILL START*

As soon as possible

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48.0#	400'	500 sxs. Circulate
12 1/4"	9 5/8"	32.0#	1,250'	400 sxs. Circulate
7 7/8"	5 1/2"	15.5#	6,800'	1000-sxs.

Propose to drill no deeper than 7000'.

All casings will be cemented in accordance with regulations and by approved methods.

Blowout preventers will be used as outlined in Additional Information (See Exhibits).

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

KEVIN WILSON

TITLE

Drilling Engineer

DATE 10-8-87

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

S/Levi Deike, Acting

Area Manager

APPROVED BY

TITLE

DATE OCT 28 1987

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR
CERTIFY THAT THE APPLICANT HOLDS LEGAL OR EQUITABLE
TITLE TO THOSE RIGHTS IN THE SUBSTRATE WHICH WOULD
ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON.
See Instructions On Reverse Side

MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

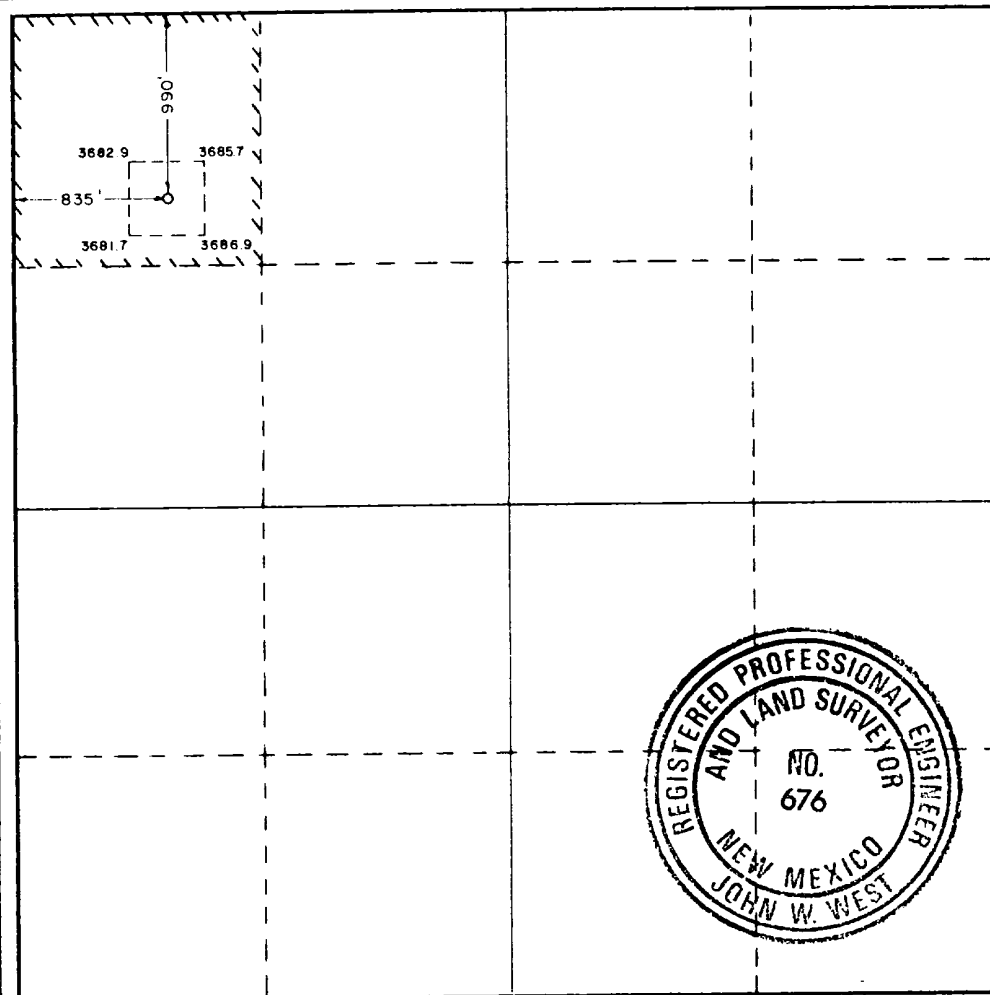
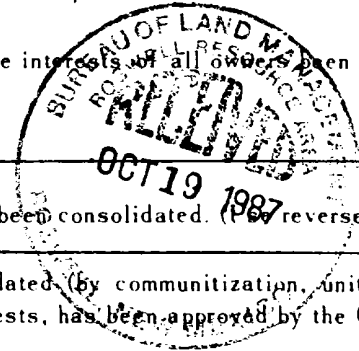
Operator Marathon Oil Company			Lease NORTH Park Federal		Well No. 1 X
Unit Letter D	Section 20	Township 11 South	Range 27 East	County Chaves	
Actual Footage Location of Well: 990 feet from the north line and 835 feet from the west line					
Ground Level Elev. 3685.1	Producing Formation Fusselman	Pool Wildcat FUSSELMAN	Dedicated Acreage: 40 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 interests 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. (See 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 interests, has been approved by the Commission.



CERTIFICATION

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

Name

Kevin J. Wilson

Position

Drilling Engineer

Company

Marathon Oil Company

Date

October 8, 1987

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

September 30, 1987

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

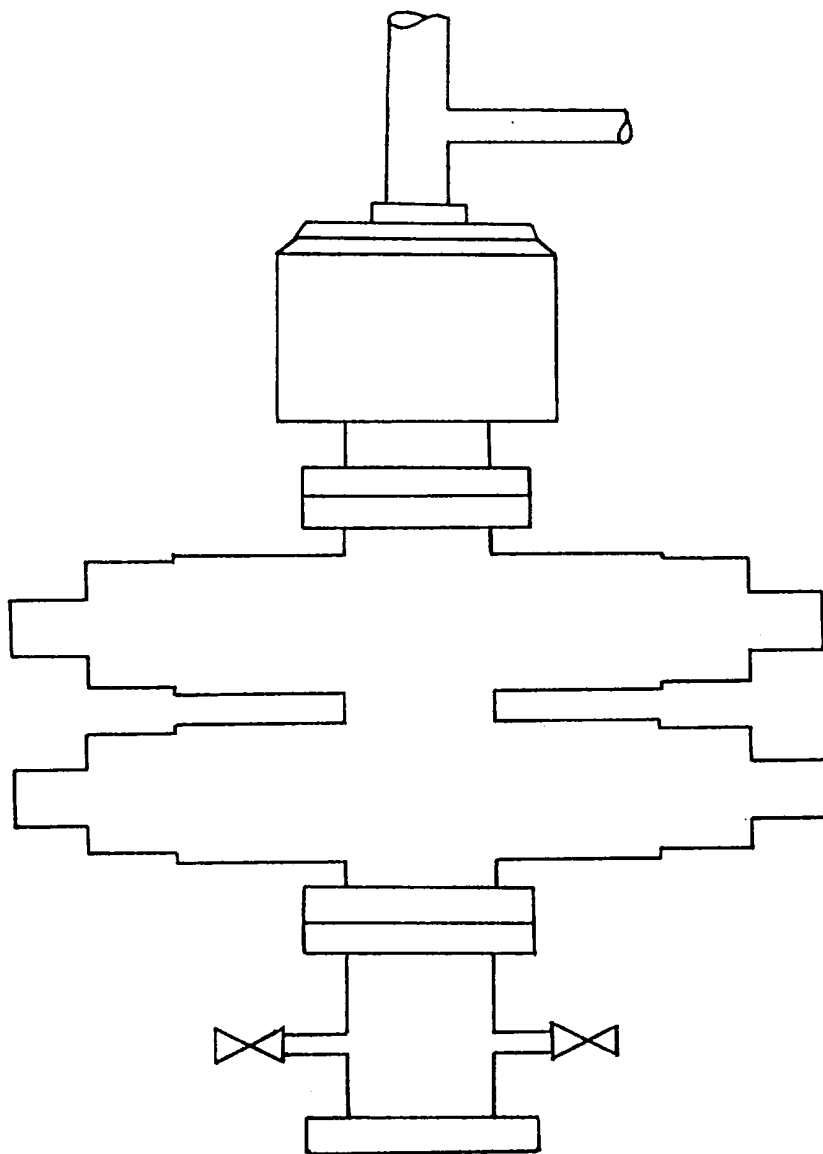


EXHIBIT "A"

BOP STACK ARRANGEMENT

13 3/8" SURFACE CASING

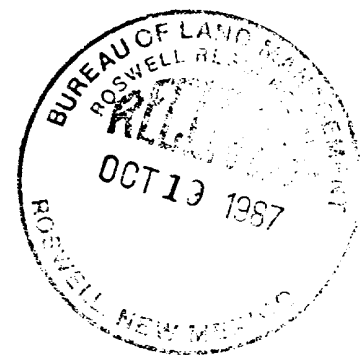
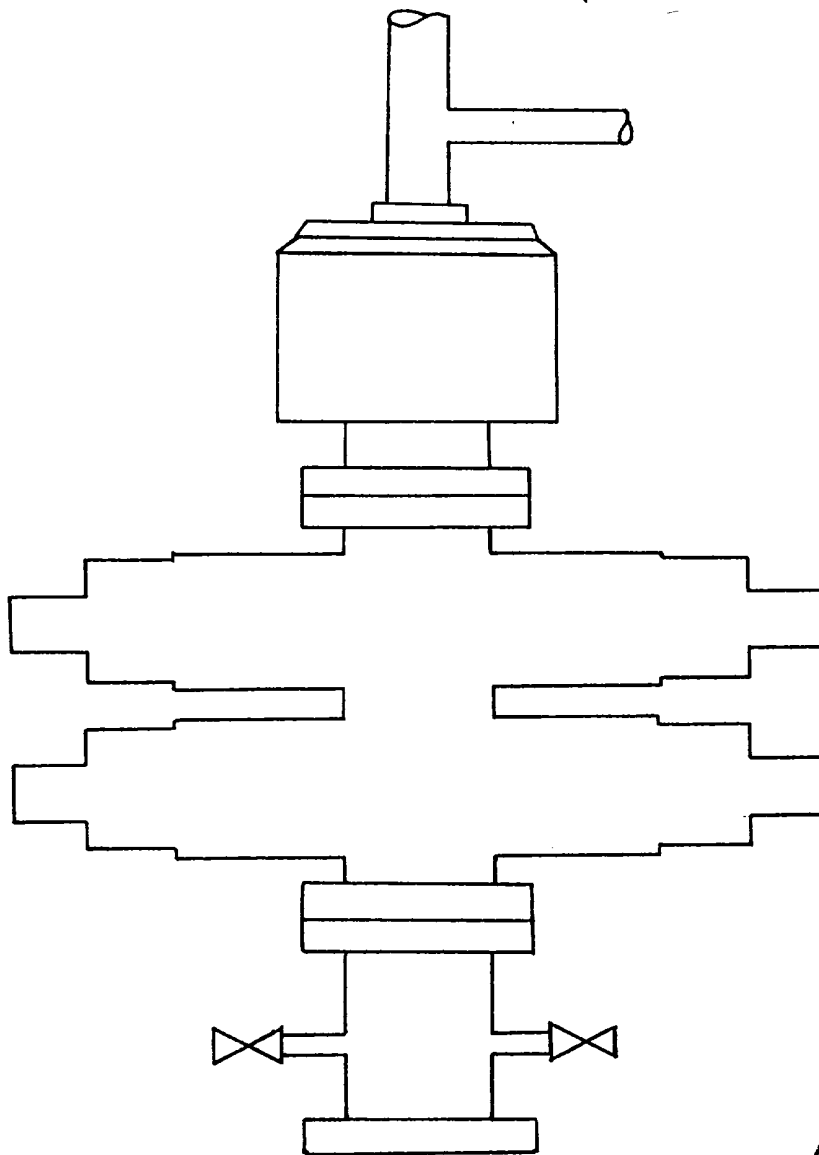
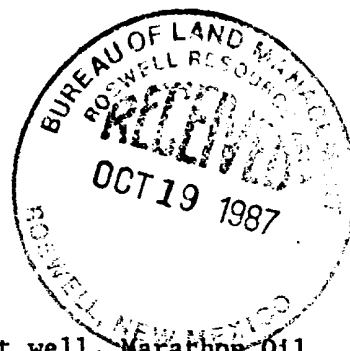


EXHIBIT "B"

BOP STACK ARRANGEMENT

9 5/8" INTERMEDIATE CASING

DRILLING PROGRAM
MARATHON OIL COMPANY
PARK FEDERAL NO. 2
ADDITIONAL INFORMATION
Comply with NTL-6



In conjunction with Form 9-331C, Application to drill subject well, Marathon Oil Company submits the following items of information in accordance with BLM requirements:

1. Geologic Name of Surface Formation

Croute Calcaire

2. Estimated Tops of Important Geologic Markers

Yates	100'	Tubb	3850'	Mississippian	6100'
Seven Rivers	200'	Abo	4650'	Silurian	6290'
Queen	640'	Wolfcamp	5350'	Montoya	6400'
San Andres	1150'	3 Brothers	5750'	Ellenburger	6600'
Glorieta	2400'	Cisco	5900'	Granite	6800'

3. Estimated Depths of Anticipated Water, Oil or Gas Bearing Formations

Yates (Water)	100'	Cisco (oil)	5900'
Seven Rivers (Water)	200'	Silurian (oil)	6290'
Queen (oil)	640'	Montoya (oil)	6400'
San Andres (Water)	1150'		
Abo (oil)	4650'		

4. Casing and Cementing Program

13 3/8" Surface to 400': Cement to surface with 500 sx Class "C" with 2% CaCl₂

9 5/8" Intermediate to 1250': Cement to surface with 200 sx Modified Lite followed by 200 sx Class "C"

5 1/2" Prod. casing to 6800': Cement to surface with 500 sx Modified Lite followed by 500 sx Class "H" 50/50 Pozmix

5. Pressure Control Equipment (Exhibits A & B)

13 3/8" Surface: 13 - 5/8" 3000 psi working pressure annular preventor tested to 2000 psi

13 - 5/8" 3000 psi working pressure pipe and blind rams tested to 3000 psi

9 5/8" Intermediate: 11" 3000 psi working pressure annular preventor tested to 2000 psi

11" 3000 psi working pressure pipe rams and blind rams tested to 3000 psi

6. Proposed Mud Program

0 - 400	Native; Mud Wt - 8.4, Viscosity 29-32 Sec
400 - 1,250	Brine Water; Mud Wt - 9.0-10.0, Viscosity 30-32 Sec
1,250 - 4,600	Brine Water; Mud Wt - 9.0-9.5, Viscosity 30-32 Sec
4,600 - 6,200	Brine Water Gel; Mud Wt - 9.0-9.5, Viscosity 35-40 Sec.
6,200 - 6,800	Brine Water Gel; Mud Wt - 9.0-9.5, Viscosity 35-45 Sec.

(Water loss 8-10)

Additional Information

7. Auxiliary Equipment

A stabbing valve will be kept on the floor to be used when the kelly is not in the string.

8. Testing, Logging, and Coring Programs

A. DST'(s) are anticipated between Cisco ($\pm 5900'$) and Montoya (6400')

B. Logging Program:

- 1) Dual Laterolog/Micro SFL - BHC Sonic - Compensated Neutron Log/
Litho Density Tool/ Gamma Ray/ Caliper - 1200' to surface casing
(GR - CNL to surface)
- 2) Dual Laterolog/Micro SFL - BHC Sonic - Compensated Neutron Log/
Litho Density/Vertical Seismic Profile/Gamma Ray/Caliper -
TD to intermediate casing

9. Abnormal Pressures, Temperatures or Potential Hazards

None are anticipated

10. Anticipated Starting Date:

As soon as possible

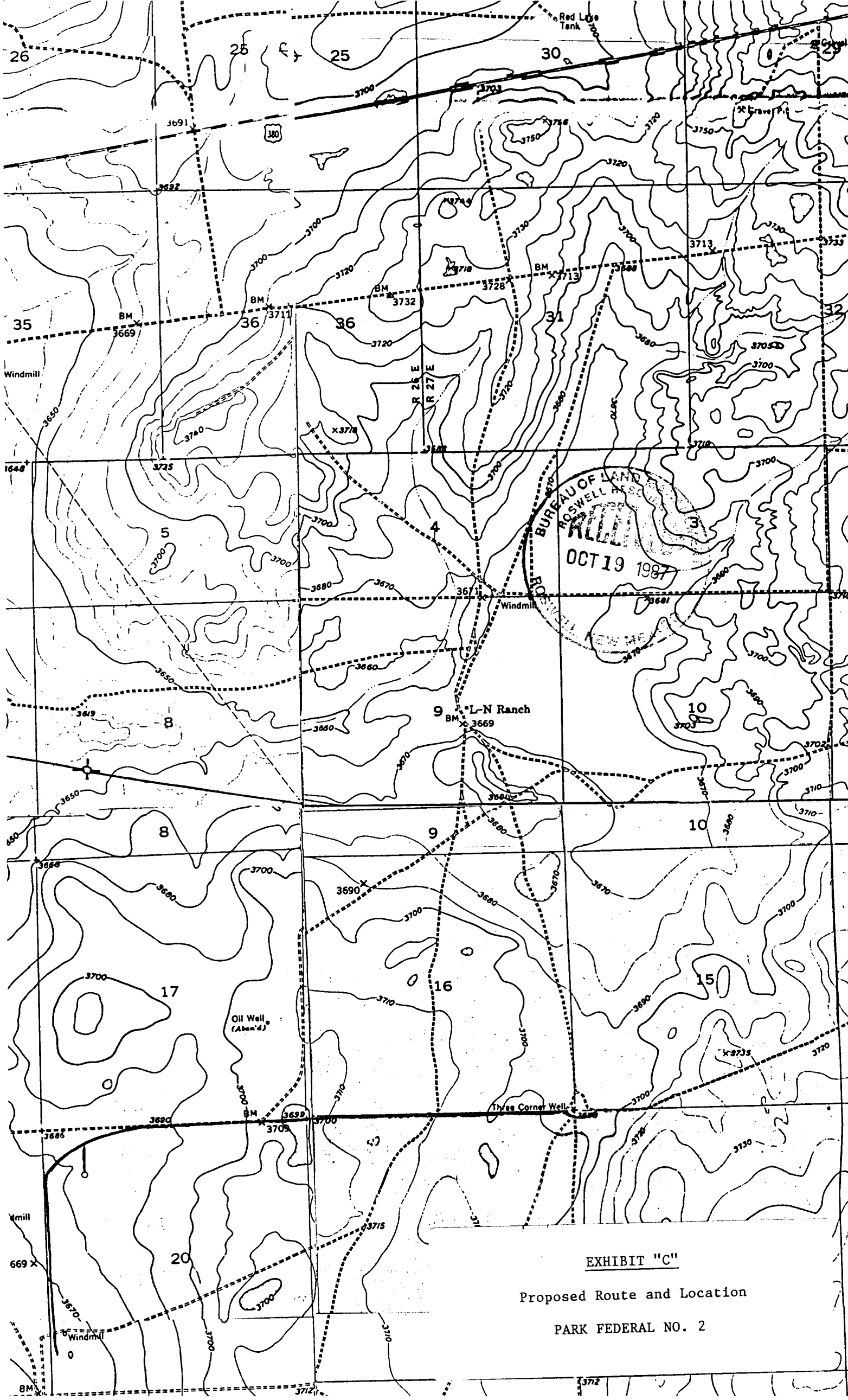


EXHIBIT "C"

Proposed Route and Location
PARK FEDERAL NO. 2

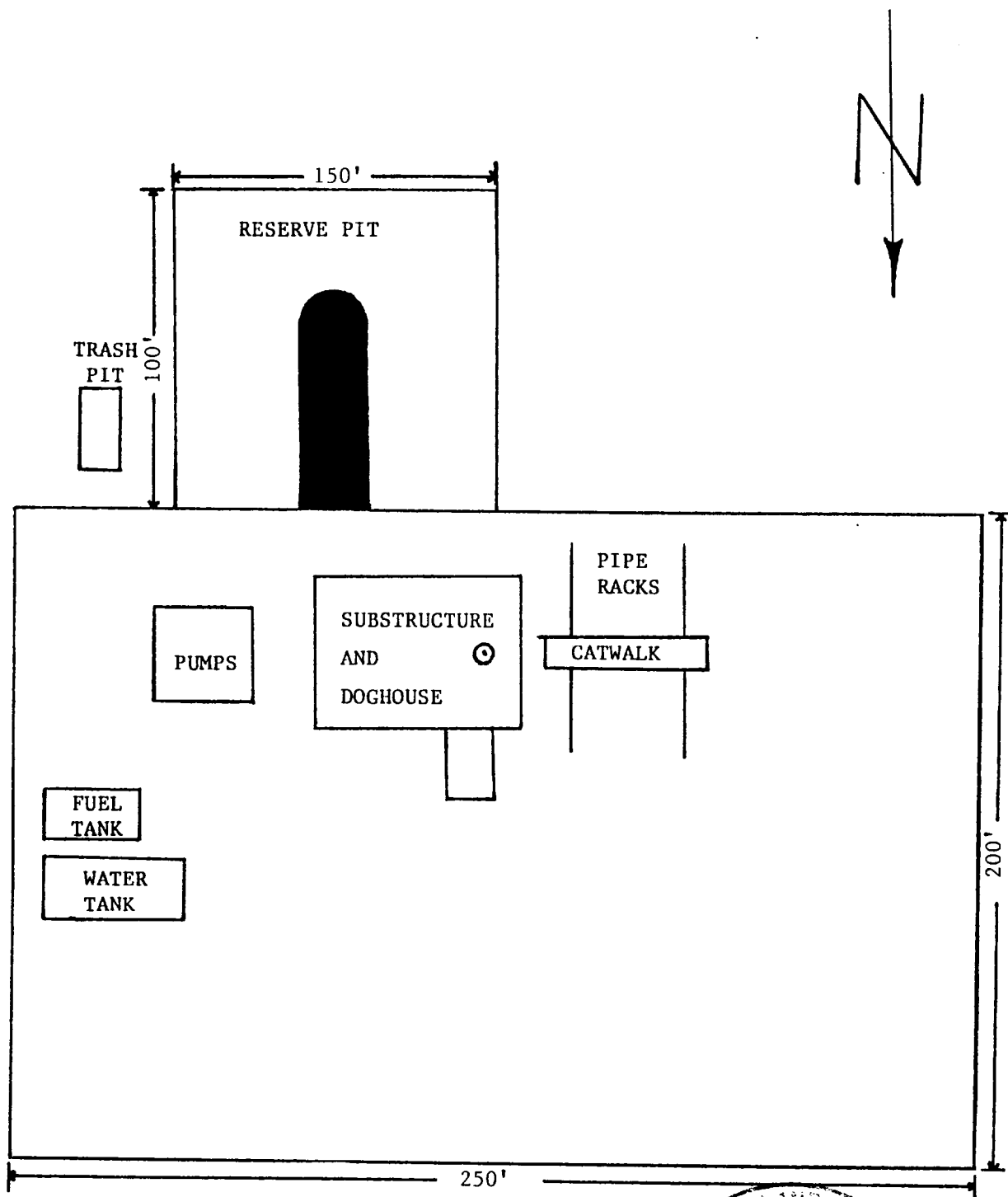
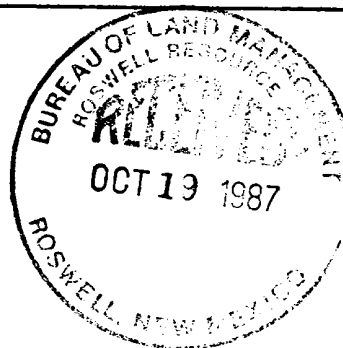


EXHIBIT "E"

WELLSITE LAYOUT

PARK FEDERAL NO. 2



Mid-Continent Region
Exploration United States



**Marathon
Oil Company**

P.O. Box 552
Midland, Texas 79702
Telephone 915/682-1626

October 13, 1987

L-A Ranch Partnership
Auto Road East
Roswell, New Mexico 88201

Attention: Mr. David Carpenter

RE: Location Damages - NW/4 Section 20,
T-11-S, R-27-E,
N.M.P.M.
Chaves County, New Mexico

Dear David:

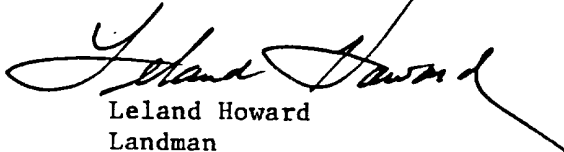
Per our telephone conversation agreement of Tuesday, September 22, 1987, please find Marathon Check No. 1501 in the amount of \$3,110.00 to pay for road and location damages in the drilling of the Marathon #2 Federal Park well located 990' FNL and 835' FWL, Section 20, T-11-S, R-20-E, Chaves County, New Mexico.

Please sign the receipt of acknowledgement below and return this letter in the provided self-addressed envelope. A xerox copy of this letter is included for your records.

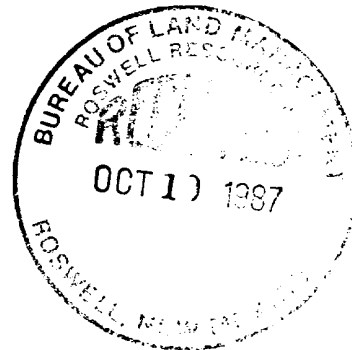
If we can be of further assistance, please feel free to call us collect at (915) 687-8314.

Yours very truly,

MARATHON OIL COMPANY


Leland Howard
Landman

DLH/mlg
Encls.



AGREED AND ACCEPTED this _____ day
of _____, 1987.

L-A RANCH PARTNERSHIP

David Carpenter

Marathon Oil Company
Midland, Texas

56-389
412

Nº 01501

PAY

THE SUM **311** DOLLARS AND **00** CENTS

VOID AFTER 180 DAYS

TO
THE
ORDER
OF

L-A Ranch Partnership
Auto Road East
Roswell, NM 88201

DATE
10-13-87

AMOUNT
3,110.00

Marathon Oil Company

FIRST NATIONAL BANK OF ASHLAND
AN AFFILIATE OF
NATIONAL CITY BANK
CLEVELAND, OHIO

⑆041203895⑆ 0078238⑈

Jerry Lacusser

Marathon Oil Company
P.O. Box 552
Midland, Texas 79702

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

Nº 01501

DATE	YOUR INV. NO.	DESCRIPTION	AMOUNT
10-13-87	CR 24832	Well location damages for Well No. 2 being located 990' FNL & 835' FWL, Sec. 20, T-11-S, R-27-E, Chaves Co., MN 300' Road at \$6.00 per rod (\$110.00), Location (\$3,000.00)	\$3,110.00

