

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-54272	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Topat Oil Corporation ✓		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 505 N. Big Spring St. - Ste. 204 - Midland, Texas		8. FARM OR LEASE NAME Jackie Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FSL & 1980' FEL At proposed prod. zone same		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 mi. east Roswell, NM		10. FIELD AND POOL, OR WILDCAT Coyote Queen	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20, T11S-R27E	
16. NO. OF ACRES IN LEASE 600		12. COUNTY OR PARISH Chaves	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A		20. ROTARY OR CABLE TOOLS N/A	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR. 3702.2' RKB 3712.7'		22. APPROX. DATE WORK WILL START* 12-6-91	

## 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#	401'	500 sx. "C" w/2% CaCl
12-1/2"	9-5/8	36#	1280'	300 sx. lite & 200 sx. "C" w/2% Ca

Objective of this plugback is to the Queen Sand which occurs at a depth of 700-900'  
Existing 9-5/8" casing will be used as production casing.

\*This is a re-entry of the Park Federal #1 well -- We would like to change the name from Park Federal to Jackie Federal. Should this name change cause a delay in getting our permit, we will leave the name as Park Federal.

Should you have any questions, please call @ 915/682-6340.

Former: Stevens & Co., Inc.  
Park Fed. #1

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. Thomas Schneider  
SIGNED Thomas Schneider TITLE Representative DATE 11-26-91  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY Chris Hunt TITLE Acting Area Manager DATE 1-8-92  
CONDITIONS OF APPROVAL, IF ANY:

PLEASE  
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IN ADVANCE.

**N 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

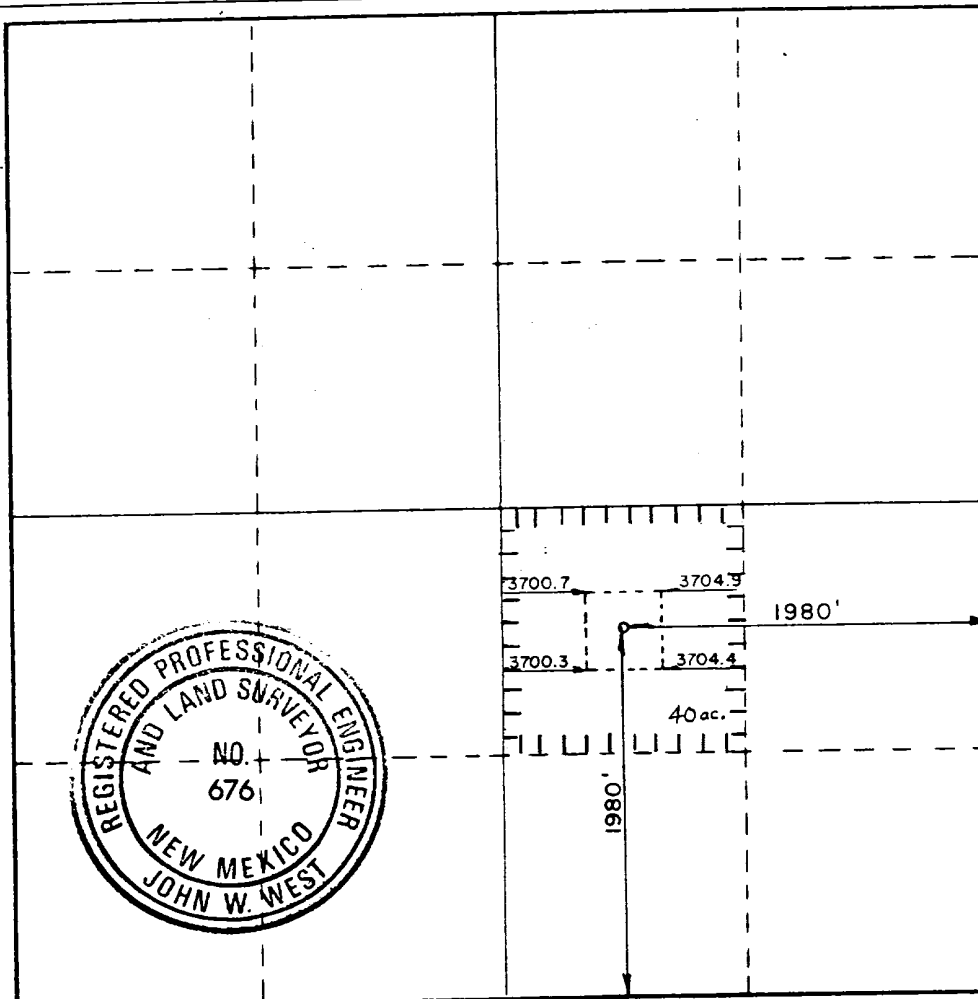
Operator <b>Marathon Oil Company</b>			Lease <b>Park Fed.</b>		Well No. <b>#1</b>
Unit Letter <b>J</b>	Section <b>20</b>	Township <b>11 South</b>	Range <b>27 East</b>	County <b>Chaves</b>	
Actual Footage Location of Well:					
<b>1980</b> feet from the <b>South</b> line and <b>1980</b> feet from the <b>East</b> line					
Ground Level Elev. <b>3702.2</b>	Producing Formation <b>Fusselman</b>	Pool <b>Wildcat</b>		Dedicated Acreage: <b>40</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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. (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 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.

*Terry L. Rivers*  
Name

**Terry L. Rivers**  
Position

**Dist. Drlg. Supt.**  
Company

**Marathon Oil Company**  
Date

**24 November 1986**

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.

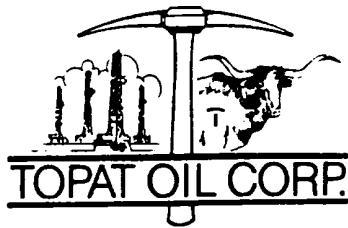
Date Surveyed  
**November 11, 1986**

Registered Professional Engineer  
and/or Land Surveyor

*John W. West*

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

96560



505 NORTH BIG SPRING STREET  
SUITE 204 ENERGY SQUARE  
MIDLAND, TEXAS 79701-8602  
(915) 682-6340

PERTINENT INFORMATION

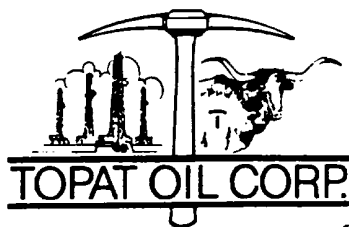
FOR

TOPAT OIL CORPORATION

#1 Jackie Federal (previously #1 Park Federal)  
1980' FSL & 1980' FEL Section 20, T11S, R27E,  
Chaves County, New Mexico

NM-54272

<u>LOCATED:</u>	15 miles east of Roswell, New Mexico
<u>FEDERAL LEASE NUMBER:</u>	NM-54272
<u>LEASE:</u>	Held by Production
<u>ACRES IN LEASE:</u>	600 acres
<u>RECORD LESSEE:</u>	Marathon Oil Co.
<u>BOND COVERAGE:</u>	Letter of Credit
<u>AUTHORITY TO OPERATE:</u>	Operating Agreement
<u>SURFACE OWNERSHIP:</u>	Public
<u>GRAZING PERMITTEE:</u>	L A Ranch Partnership Auto Rd. East Roswell, New Mexico 88210
<u>POOL RULES:</u>	160 acres (Pecos Slope Abo Gas Pool)
<u>EXHIBITS:</u>	A. Road and Contour Map B. Lease and Well Maps



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SUITE 204 ENERGY SQUARE  
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SUPPLEMENTAL DRILLING DATA

TOPAT OIL CORPORATION

#1 Jackie Federal (Previously #1 Park Federal)  
1980' FSL & 1980' FEL Section 20, T11S, R27E,  
Chaves County, New Mexico

NM-54272

The following items supplement Form 3160-3 in accordance with instructions contained in Onshore Oil and Gas Order No. 1:

1. PROPOSED CASING PROGRAM: No new casing will be run. Operation will be performed through existing 9-5/8" casing. See attached well completion report.
2. CIRCULATING MEDIUM: Fresh water and/or 2% KCL water will be used as circulating medium.
3. AUXILIARY EQUIPMENT: A full-opening safety valve, to fit the drill string in use, will be kept on the rig floor at all times.
4. TESTING, LOGGING AND CORING PROGRAM: Gamma Ray Neutron log and perforate.
5. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE: None anticipated. Bottom-Hole pressure anticipated to be less than 400#.
6. ANTICIPATED STARTING DATE: Drillout will commence as soon as approval is obtained. Drilling and completion operations will last about 4-6 days.

7. *Manually operated ram type wellbore over rig flow-out prevention*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Drawer DD  
Artesia, NM 88101

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

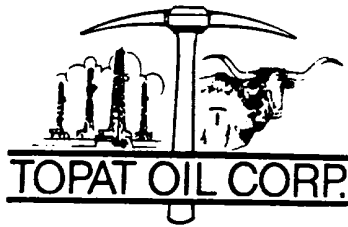
WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

A. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. NM 54272	
B. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. HORIZ. <input type="checkbox"/> Other 10M23 1987		6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
2. NAME OF OPERATOR Marathon Oil Company		7. UNIT AGREEMENT NAME _____	
3. ADDRESS OF OPERATOR P. O. Box 552, Midland, Texas 79702		8. FARM OR LEASE NAME Park Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1980' FSL and 1980' FEL At top prod. interval reported below At total depth		9. WELL NO. 1	
10. FIELD AND POOL, OR WILDCAT Wildcat		11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA Sec. 20, T-11-S, R-27-E	
12. COUNTY OR PARISH Chaves		13. STATE N. Mexico	
14. PERMIT NO. _____ DATE ISSUED _____		15. DATE STUDDED 12-10-86	
16. DATE T.D. REACHED 1-6-87		17. DATE COMPL. (Ready to prod.) -	
18. ELEVATIONS (DF, AWH, RT, CB, ETC.) GR 3702.2'; RKB 3712.7		19. ELEV. CASIN. HEAD -	
20. TOTAL DEPTH, MD & TVD 6986'		21. PLUG. BACK T.D., MD & TVD Surface	
22. IF MULTIPLE COMPL., HOW MANY? _____		23. INTERVALS DRILLED BY ROTARY TOOLS 0-6986' CABLE TOOLS -	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) None		25. WAS DIIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN CNL-LDT, BHC Sonic, DLL-MSFL		27. WAS WELL COILED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
13-3/8"	48	401'	17 1/2"
9-5/8"	36	1280'	12 1/4"
		CEMENTING RECORD	
		500 sx. "C" w/ 2% CaCl <sub>2</sub>	
		300 sx. Lite & 200 sx. Cl. "C" w/ 2% CaCl <sub>2</sub>	
		AMOUNT PULLED	
		None	
		None	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number)			
None			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
33. PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
		ACCEPTED BY PETER W. CHESTER	
DATE OF TEST		HOURS TESTED	
CHOKE SIZE		PROD'N. FOR TEST PERIOD	
FLOW, TUBING PRESS.		CASING PRESSURE	
CALCULATED 24-HOUR RATE		OIL—BBL.	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		WATER—BBL.	
		OIL GRAVITY-API (CORR.)	
35. LIST OF ATTACHMENTS			
No. 1 - DST's 1,2,3, and 4; No. 2 - Inclination Report; No. 3 - Plugging Report; No. 4 - Logs			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Eric M. Purcell</u>		TITLE <u>Engineer</u>	
		DATE <u>Jan. 21, 1987</u>	

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

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
San Andres	1173'	2540'	Dolomite	Yates
Wolfcamp	5377'	5740'	Limestone and Dolomite	Queen
Fusselman	6434'	6555'	Limestone and Dolomite	San Andres
San Andres	1733'	2110'	DST No.1	Glorietta
Fusselman	6400'	6497'	DST No.2	Tubb
Fusselman	6479'	6568'	DST No.3	Abo
Wolfcamp	5463'	5510'	DST No.4	Wolfcamp
			DETAILS OF DST' s ATTACHED	Three Brothers
				Cisco
				Canyon
				Mississippian
				Fusselman
				Montoya
				Ellenburger
				Granite
				107'
				617'
				1173'
				2445'
				3860'
				4635'
				5377'
				5740'
				5955'
				6140'
				6305'
				6434'
				6555'
				6730'
				6968'
				TRUE VERT. DEPTH



505 NORTH BIG SPRING STREET  
SUITE 204 ENERGY SQUARE  
MIDLAND, TEXAS 79701-8602  
(915) 682-6340

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

TOPAT OIL CORPORATION

#1 Jackie Federal (previously #1 Park Federal)  
1980' FSL & 1980' FEL Section 20, T11S, R27E,  
Chaves County, New Mexico

NM-54272

This plan is submitted following the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS:

A. Exhibit "A" is a portion of a road map showing the location of the well. The well is approximately 15 miles east of Roswell, New Mexico.

B. Directions: From Roswell, New Mexico go east on Highway 380 for 15 miles. Turn south on caliche road go 3-1/2 miles. The #1 Park Federal is then right beside this road.

2. PLANNED ACCESS ROAD:

A. Length and Width: We plan to use existing roads.

B. Surfacing Material: Previously taken care of.

C. Maximum Grade: N/A

D. Turnouts: Since the road is essentially flat, no traffic turnouts are necessary.

E. Drainage Design: As needed.

DEC 01 1991

F. Culverts: None necessary.

G. Cuts and Fills: The well is on an existing or former pad, no extensive dirtwork is planned.

H. Gates, Cattleguards: None

3. LOCATION OF EXISTING WELLS:

A. No existing well are located on this lease.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

A. If the well is productive, production, storage and measurement facilities will be constructed on the well pad.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. Water for drilling operations will be purchased from a commercial water hauler.

6. SOURCE OF CONSTRUCTION MATERIALS:

A. It is planned to use material-in-place for construction. If necessary, caliche for surfacing the road and pad will be obtained. No caliche will be taken from Public land without prior approval.

7. METHODS OF HANDLING WASTE DISPOSAL:

A. Drilling and workover fluids will be allowed to evaporate in the workover pit until the pit is dry.

B. Water produced during test will be disposed of in the workover pit. Oil produced during test will be stored in test tanks until sold.

C. Current laws and regulations pertaining to the disposal of human waste will be complied with.

D. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:



RECEIVED  
RECEIVED

DEC 10 10 38 AM '31  
DEC 10 10 38 AM '31  
BUREAU  
BOSTON FIELD OFFICE  
ROSEN ARLENE ERNE  
RACIA

A. None necessary

9. WELL SITE LAYOUT:

- A. The wellsite has been previously surveyed prior to drilling by Marathon Oil Co. in 1986.
- B. Dimensions and relative location of the drill pad, pit and equipment have been previously filed.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. If the well is non-productive, the disturbed area will be rehabilitated to Federal Agency requirements and will be accomplished as expeditiously as possible.

11. OTHER INFORMATION:

- A. Topography: The regional terrain is a rolling alluvial plain sloping to the east toward the Pecos River. The access road is essentially level. The location slopes northwest.
- B. Soil: The soil at the wellsite is sandy clay loam with associated gravels.
- C. Flora and Fauna: Flora consists of range grasses with some yucca and mesquite. No wildlife was observed. Fauna probably includes reptiles, rodents and various birds.
- D. Ponds or Streams: There are no ponds near the wellsite. The Pecos River is six miles east.
- E. Residences and Other Structures: There are no occupied dwellings within two miles.
- F. Archaeological, Historical and other Cultural Sites: Archaeology survey was previously made prior to drilling the well in December, 1986. The archaeology study was done by New Mexico Archaeological Surveyor Dr. J. Loving Haskell, Carlsbad, New Mexico.

G. Land Use: The vicinity surrounding the wellsite is semiarid rangeland, used primarily for grazing.

H. Surface Ownership: The new access road and wellsite are on Public Surface, within the lease boundary. The grazing lessee is L-A Ranch Partnership, David Carpenter, Auto Rd. East, Roswell, New Mexico, 88201.

12. OPERATOR'S REPRESENTATIVE:

Representative responsible for assuring compliance with the approved Surface Use Plan:

Thomas Schneider  
Topat Oil Corporation  
505 N. Big Spring St. - Ste. 2004  
Midland, Texas 79701-4367

13. CERTIFICATION:

I hereby certify that I, or person under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; that the work associated with the operations proposed herein will be performed by TOPAT OIL CORPORATION and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

12/7/91  
Date:

  
THOMAS SCHNEIDER  
Representative

COMPLETIONS SEC 20 TWP 11S RGE 27E  
PI# 30-T-0001 02/09/87 30-005-62365-0000 PAGE 3

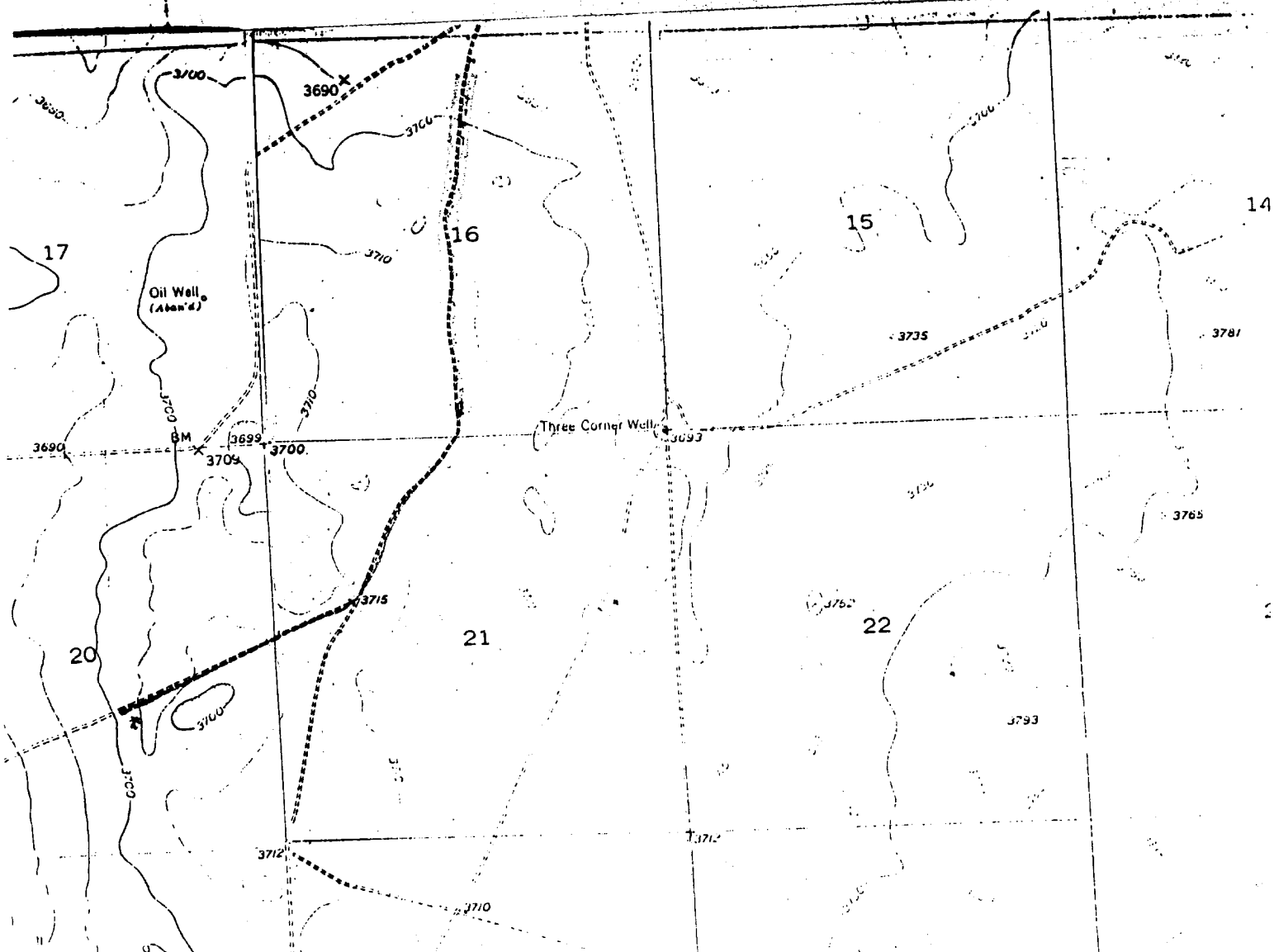
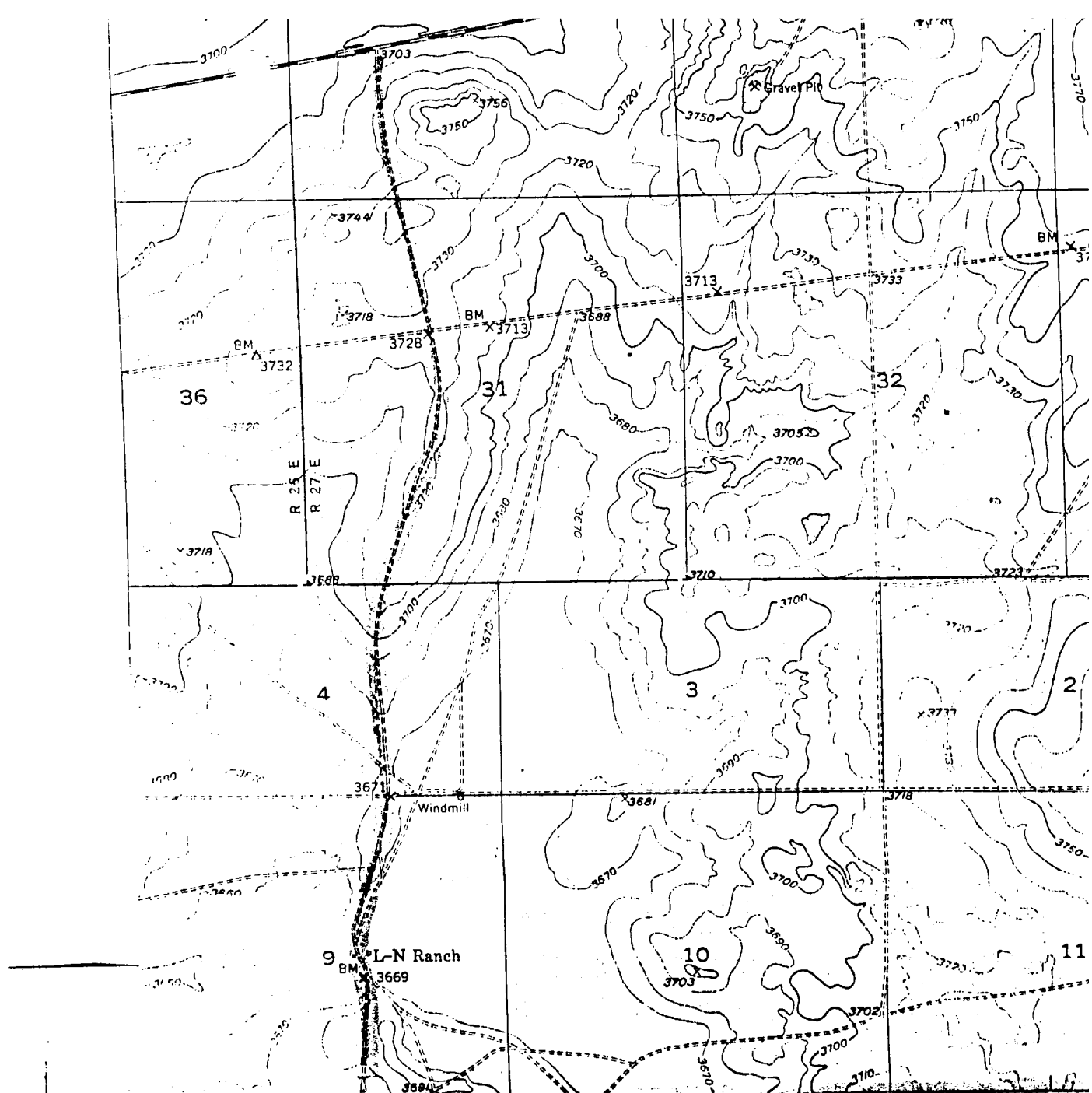
MARATHON OIL  
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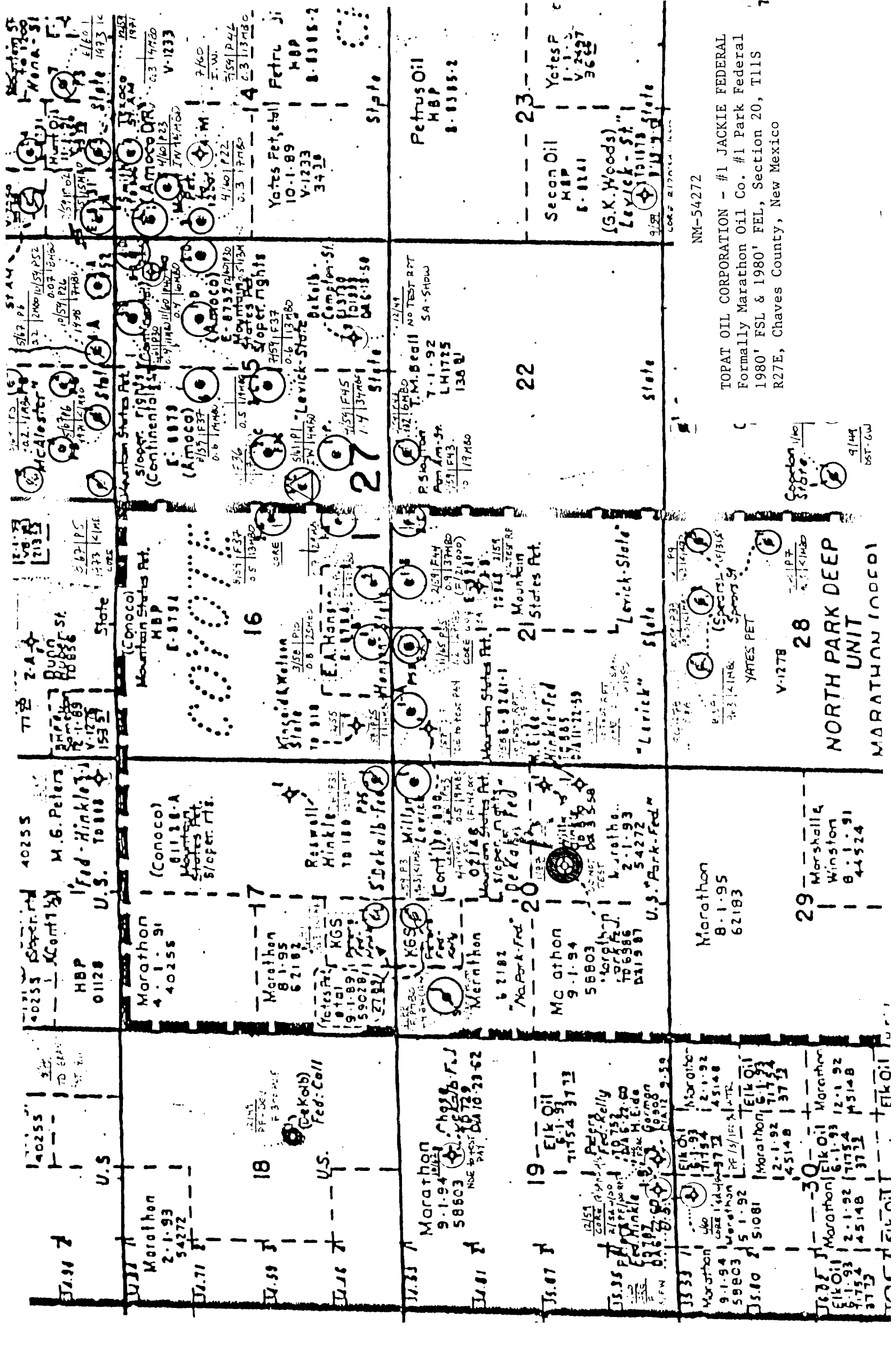
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DRILLING PROGRESS DETAILS  
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12/16	DRLG 1480
12/18	DRLG 1900
12/22	DRLG 4613
12/29	DRLG 6300
01/08	6887 TD, RNG LOGS
01/15	6986 TD, HOLDING FOR DATA
TD REACHED	01/08/87 RIG REL 01/09/87
02/05	6986 TD
	COMP 1/9/87, D&A
	NO CORES, FOUR DSTS RPTD





NM-54272

TOPAT OIL CORPORATION - #1 JACKIE FEDERAL  
Formerly Marathon Oil Co. #1 Park Federal  
1980' FSL & 1980' FEL, Section 20, T11S  
R27E, Chaves County, New Mexico

North Park Deep Unit  
Marathon (Conoco)  
28  
V-1278  
9/14/49  
65T-6W

Marathon  
8-1-95  
62183  
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Marshall & Winston  
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Petroleum  
HBP  
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