

Extension

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

30-005-62506  
Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

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 ☐  
2. NAME OF OPERATOR  
McKay Oil Corporation  
3. ADDRESS OF OPERATOR  
P.O. Box 2014, Roswell, New Mexico 88202  
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
1650' FNL & 990' FEL, SE/4 NE/4. Unit letter H  
At proposed prod. zone  
Same  
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
33 air miles North of Roswell, N.M.  
15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)  
990'  
16. NO. OF ACRES IN LEASE  
1920  
17. NO. OF ACRES ASSIGNED TO THIS WELL  
160  
18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
1/2 mile  
19. PROPOSED DEPTH  
3,400'  
20. ROTARY OR CABLE TOOLS  
Rotary  
21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4336' GR  
22. APPROX. DATE WORK WILL START\*  
ASAP

5. LEASE DESIGNATION AND SERIAL NO.  
NM-32312  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
West Fork Federal  
9. WELL NO.  
12  
10. FIELD AND POOL, OR WILDCAT  
W. Pecos Slope Abo  
11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 6-5S-22E  
12. COUNTY OR PARISH  
Chaves  
13. STATE  
N.M.

RECEIVED  
JAN 22 '90  
O.C.D.  
ARTESIA, OFFICE

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0 J-55	900±	850 cf cement circulated
7 7/8"	4 1/2"	9.5 J-55	TD	1200 cf cement including 480 cf to tie in 4 1/2" to 8 5/8" from 1500' to 800'.

We propose to drill and test the Abo formation. Approximately 900' of surface casing will be set and cemented to surface. If commercial, 4 1/2" production casing will be run and cemented with adequate cover, perforated and stimulated as needed for production.

MUD PROGRAM: See Supplemental Drilling Data Which is Attached.

BOP PROGRAM: BOP will be installed on 8 5/8" casing and tested daily.

Gas is not dedicated.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new production 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.

SIGNED Jan. Shultz TITLE V.P. Land & Legal DATE 11/10/89  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY S/Levi Deike, Acting TITLE Area Manager DATE JAN 18 1989/1990  
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 SUBJECT LEASE WHICH WOULD ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON. PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION OF FEDERALLY OWNED MINERAL MATERIAL FOR CONSTRUCTION OF THE ACCESS ROAD OR PAD WITHOUT PAYMENT IN ADVANCE.

ENTIRE THE APPLICANT TO CONDUCT OPERATIONS THEREON knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

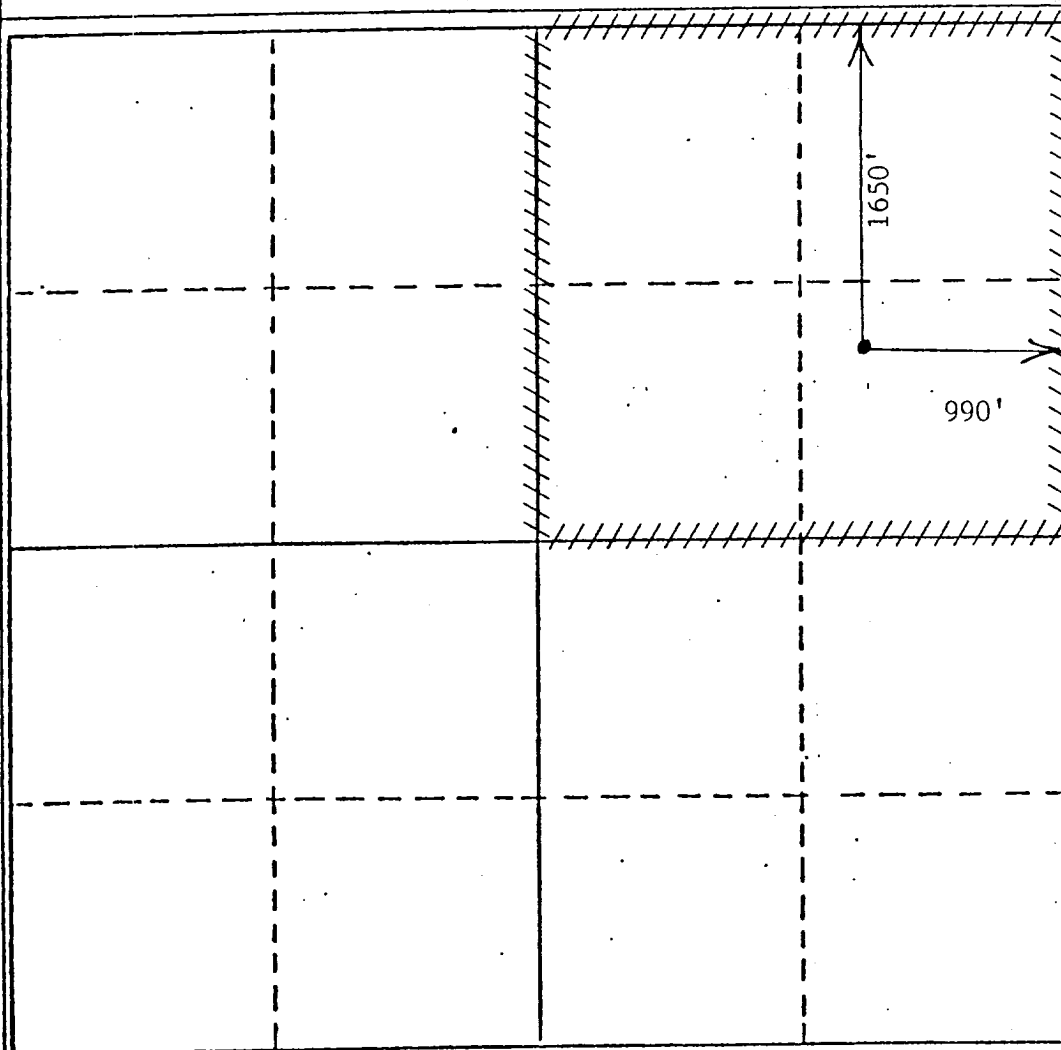
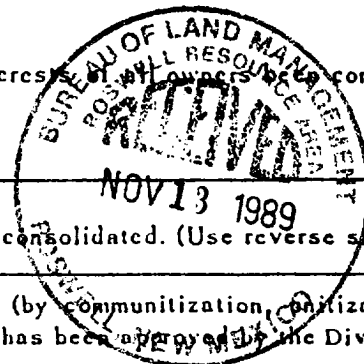
Operator McKay Oil Corp.		Lease West Fork Federal		Well No. #12
Unit Letter H	Section 6	Township 5 South	Range 22 East	County Chaves
Actual Postage Location of Well: 1650 feet from the North line and 990 feet from the East line				
Ground Level Elev. 4336	Producing Formation Abo	Pool W. Pecos Slope-Abo	Dedicated Acreage 160 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 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 Division.



#### CERTIFICATION

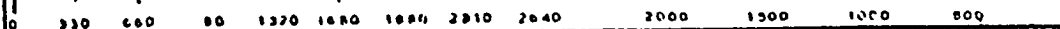
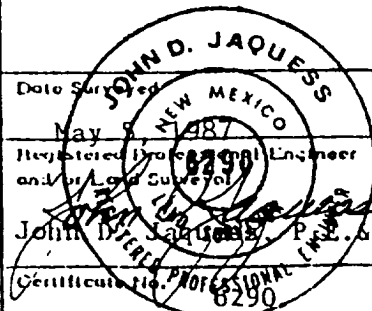
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Terry W. Franklin*

Name  
Terry W. Franklin  
Position  
Agent  
Company  
McKay Oil Corporation  
Date  
May 27, 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  
May 5, 1987  
Registered Professional Engineer and/or Land Surveyor  
John D. Jaquess, P.E. & L.S.  
Certificate No. 8290



PERTINENT INFORMATION

For

McKAY OIL CORPORATION  
Westfork Federal #12  
SW/4NE/4 Sec. 6-5S-22E  
Chaves County, N. M.



<u>LOCATED:</u>	33 air miles north of Roswell, New Mexico
<u>LEASE NUMBER:</u>	NM 32312
<u>LEASE ISSUED:</u>	March 1, 1979
<u>RECORD LESSEE:</u>	The Louisiana Land and Exploration Company (formerly Inexco Oil Co.)
<u>BOND COVERAGE:</u>	Lessee's \$25,000.00 Statewide
<u>ACRES IN LEASE:</u>	1,920.0 acres more or less
<u>SURFACE OWNERSHIP:</u>	Federal
<u>OWNER:</u>	USA-BLM
<u>POOL RULES:</u>	General Statewide Rules
<u>EXHIBITS:</u>	A. Road and Well Map B. Contour Map C. Rig Layout D. BOP Diagram E. Lease Map F. Location Topography

SUPPLEMENTAL DRILLING DATA

McKAY OIL CORPORATION  
Westfork Federal #12  
SW/4NE " " 6-5S-22E  
Chaves County, N.M.

NM 32312



The following items supplement Form 9-331C in accordance with instructions contained in NTL-6.

1. SURFACE FORMATION: San Andres
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Yeso	- 927'
Tubb	- 2445'
Abo	- 3135'
3. ESTIMATED DEPTHS TO WATER, OIL OR GAS FORMATION:

Fresh water	- In surface formations above 600'
Gas	- In Abo formation below 3135'
4. PROPOSED CASING PROGRAM: See Form 9-331C
5. PRESSURE CONTROL EQUIPMENT: Blowout preventer stack will consist of at least a double-ram blowout preventer rated to ~~3000~~<sup>2000</sup> #WP. A sketch of the BOP is attached. *BWC*
6. CIRCULATING MEDIUM:

0'- 600'	Lime and gel, spud mud, viscosity 32 to 34 seconds.
600'- 2935'	Fresh water
2935'- TD	Start mudding up at 2935'; viscosity 36 to 38 seconds; water loss 10 cc or less; 3-5% Diesel; 2 KCL

Mud additives will be used to control water loss.
7. AUXILIARY EQUIPMENT: full-opening drill string safety valve fit the drill string in use, will be kept on the rig floor at all times.

8. TESTING, LOGGING AND CORING PROGRAM:  
Samples: Catch samples from surface to TD.  
DST'S: None  
Logging: GR-CNL, Dual Lateral MSFL from  
surface to TD.  
Coring: None
9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE:  
None anticipated.
10. ANTICIPATED STARTING DATE: On or before June 1, 1987  
Drilling should be completed within 60 days.  
Completion operations (perforations and stimulation)  
will follow drilling operations.

MCKAY OIL CORPORATION  
Westfork Federal #12  
SW/4NE/4 Sec. 6-5S-22E  
Chaves County, N.M.

NM-32312

This plan is submitted with 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 proposed well as staked. The well is approximately 31 miles Northeast of Roswell, New Mexico.
- B. Directions: Heading North out of Roswell, New Mexico on U.S. 285 for approximately 30 miles. The turn is  $\pm 1/2$  mile before highway 20 North. Turn left on dirt road (entrance has heavy metal swinging gate). Go approximately 4 miles west, then turn degrees southwest for  $5/8$  mile to a gate. Continue south for  $3/8$  mile access on right.

2. PLANNED ACCESS ROAD:

- A. Length and Width: The new access road will be 14' wide by approximately 1 mile in length.
- B. Surfacing Materials: Caliche will be placed where necessary
- C. Turnouts: one every  $1/4$  mile.
- D. Maximum Grade: None.
- E. Drainage Design: None necessary.

- F. Culverts: None necessary
  - G. Cuts and Fills: none
  - H. Gates, Cattleguards: none
  - I. Top Soil: Very little
3. LOCATION OF EXISTING WELLS:
- A. A map indicating the location of adjacent wells is attached.
4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:
- A. See Exhibit "A" for location of existing lease wells. If the well is commercial, production facilities and tank battery will be constructed.
  - B. Cuts and Fills: Less than 10' of cut & fill will be required for the 250' x 250' pad.
  - C. Top Soil: Any top soil which can sustain plant vegetation will be bladed and piled for future rehabilitation.
5. LOCATION AND TYPE OF WATER SUPPLY:
- A. Water will be purchased from a commercial source and trucked to the location over existing and proposed access roads.
6. SOURCE OF CONSTRUCTION MATERIALS:
- A. Caliche will be purchased from a Federal pit located in the NW/4SE/4 of sec. 33-4S-22E.
7. METHODS OF HANDLING WASTE DISPOSAL:
- A. Drill cuttings will be disposed of in the drilling pits.
  - B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.

- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
  - E. Trash, waste paper, garbage, and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt or deposited in an approved sanitary landfill. All waste material will be contained by a netted container to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "C".
  - F. All trash and debris will be buried or removed from the well site within 30 days after finishing drilling and/or completion operations.
8. ANCILLARY FACILITIES:
- A. None necessary
9. WELL SITE LAYOUT:
- A. Exhibit "C" indicates the relation location and dimensions of the well pad, mud pits, reserve pit and major rig equipment.
  - B. The location slopes slightly to the southeast.
  - C. The reserve pit will be lined with plastic to prevent loss of water.
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 well site 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 or abandoned, the disturbed area will be rehabilitated.
11. OTHER INFORMATION:
- A. Topography: The topography is sloping to the southeast in the vicinity

of the access road and in the vicinity of the drill pad. Regional slope is Southwest toward the Arroyo del Macho which is approximately 4.5 miles from this location.

- B. Soil: Sandy loam with limestone outcropping.
- C. Flora and Fauna: The flora consists of typical desert vegetation, such as yucca, cactus and various grasses. Fauna consists of desert wildlife such as coyotes, rodents, snakes, deer and antelope.
- D. Ponds or Streams: Arroyo del Macho is about 4.5 miles south of the proposed location.
- E. Residences and other Structures: J.Y. Ranch, Inc. house is approximately 2 miles west of this location.
- F. Archaeological, Historical and Other Cultural Sites: No artifacts are noted in the area of the pad or access road. An Archaeologist from Portales, NM Checked the location and has given a favorable recommendation.
- G. Land Use: Grazing
- H. Surface Ownership: Federal

12. OPERATOR'S REPRESENTATIVE:

Gary Richburg  
Roswell, New Mexico  
(505) 623-4735

13. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site 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 MCKAY 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 provisions of 18 USC 1001 for the filing of a false statement.

11-10-59  
DATE:

Jim Shultz

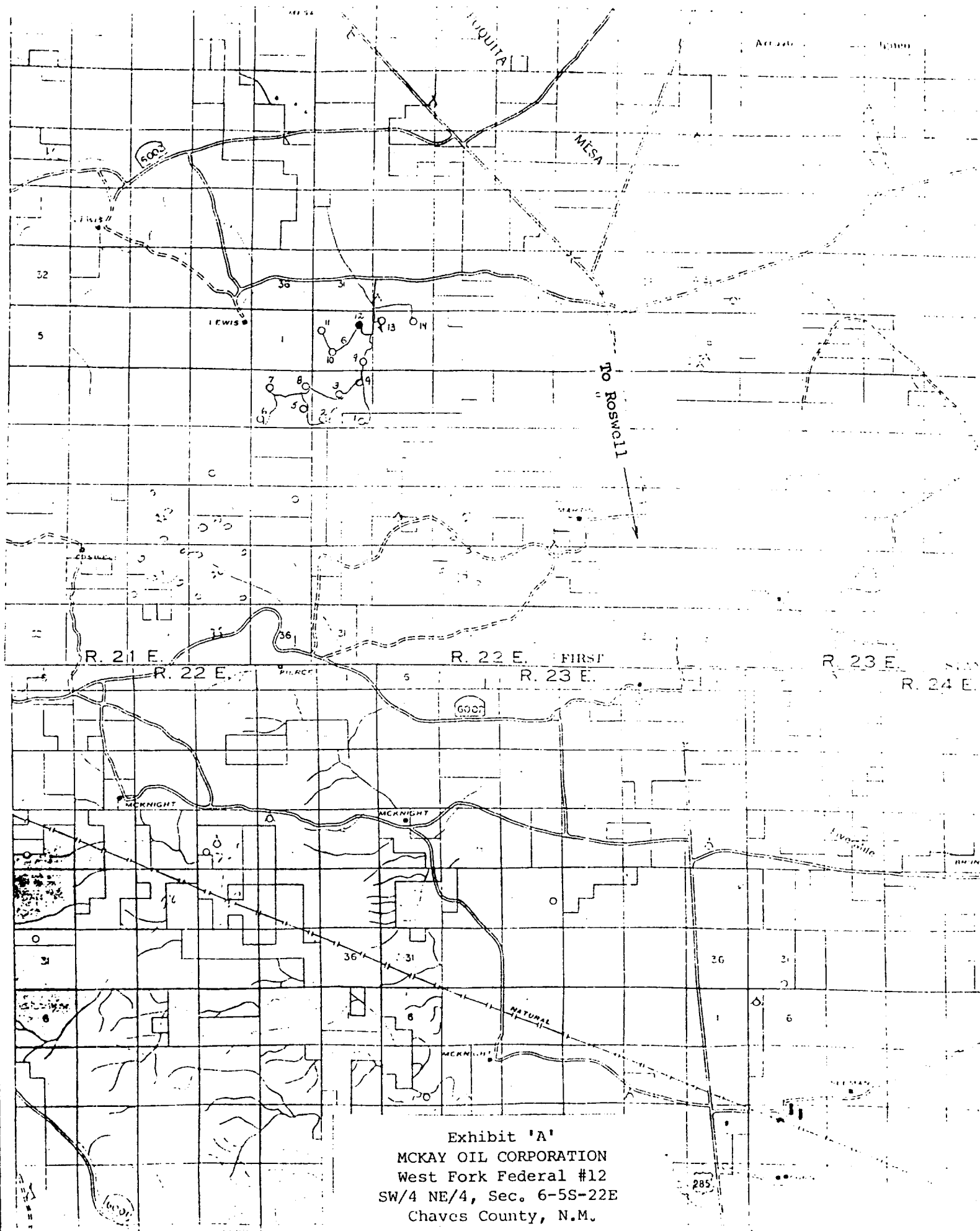
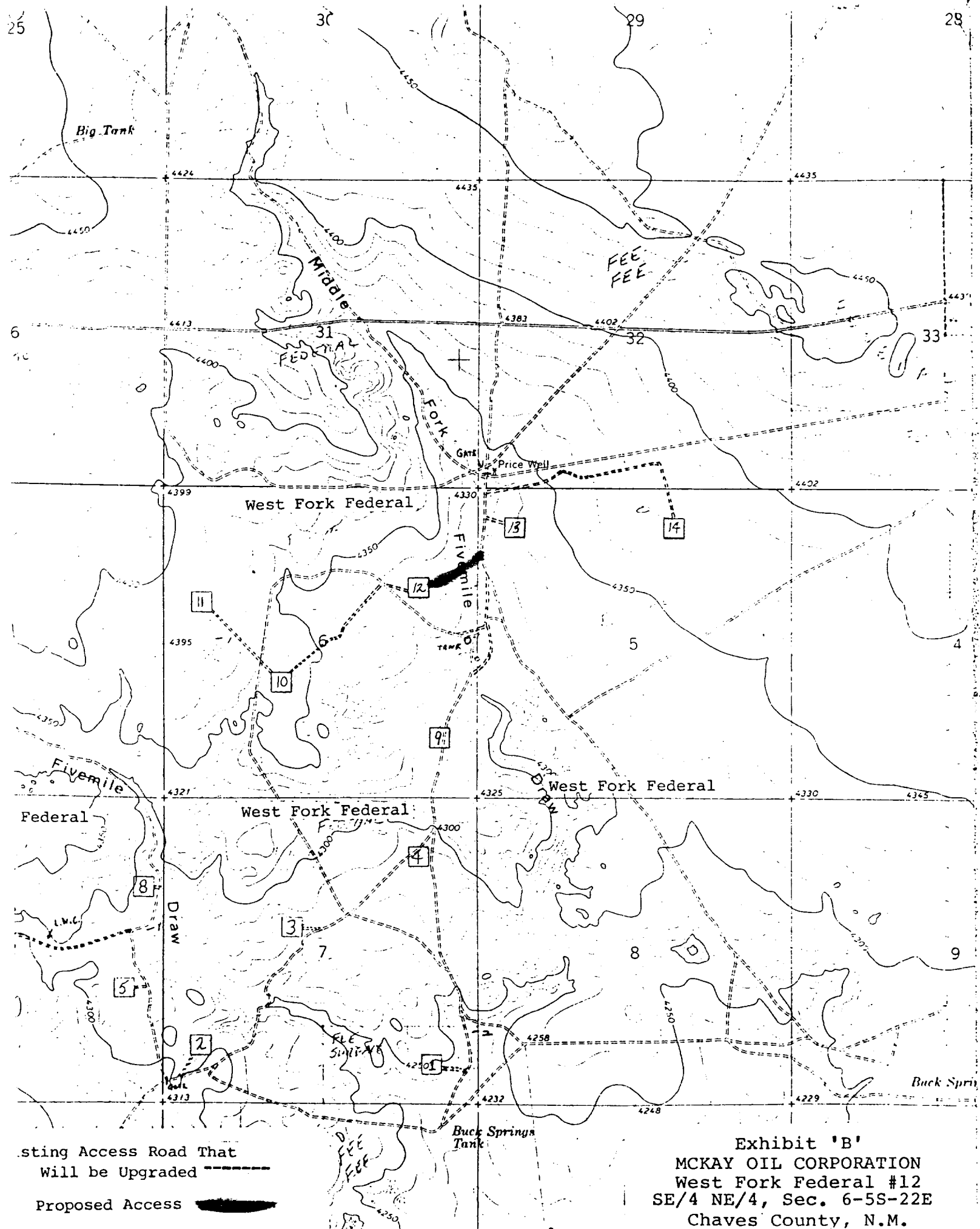


Exhibit 'A'  
MCKAY OIL CORPORATION  
West Fork Federal #12  
SW/4 NE/4, Sec. 6-5S-22E  
Chaves County, N.M.



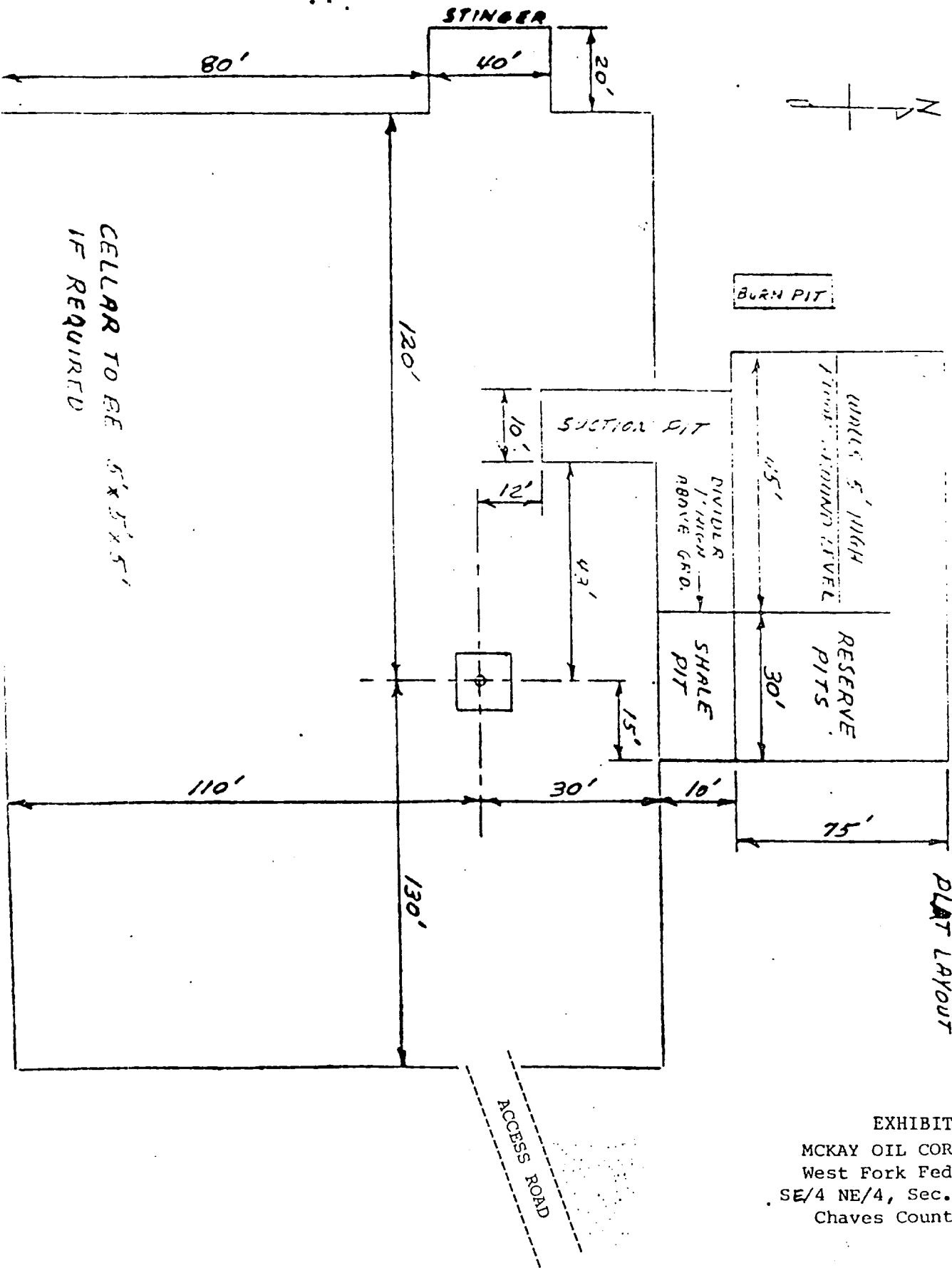
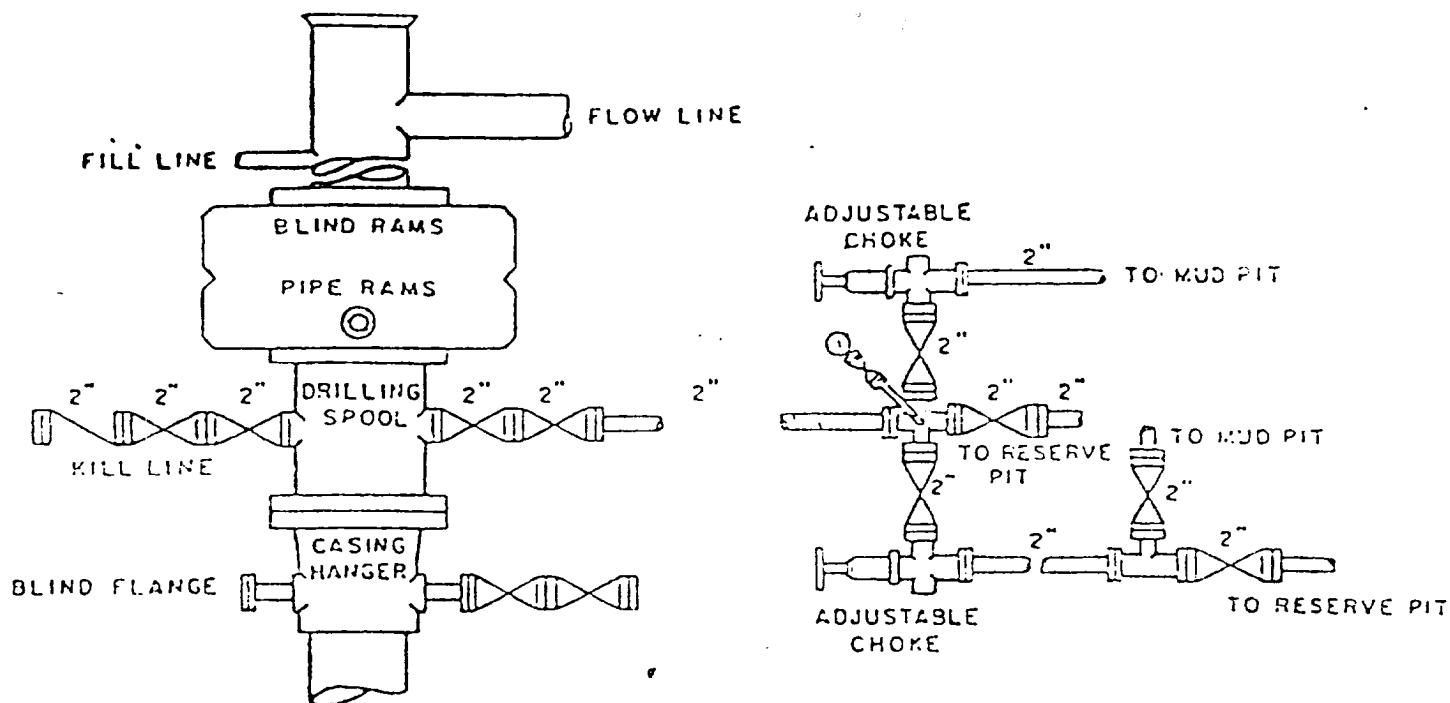


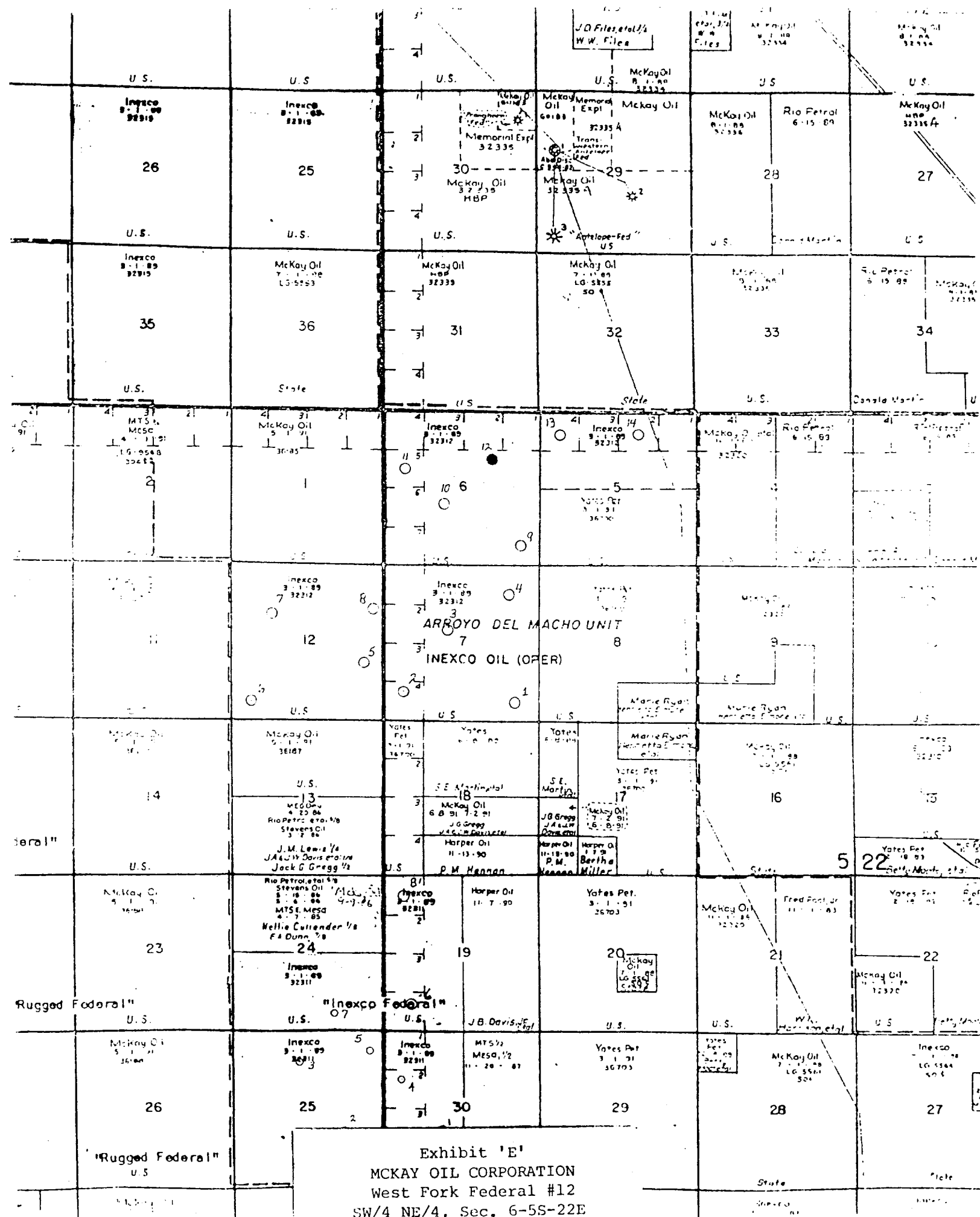
EXHIBIT 'C'  
 MCKAY OIL CORPORATION  
 West Fork Federal #12  
 SE/4 NE/4, Sec. 6-5S-22E  
 Chaves County, N.M.

MCKAY OIL CORPORATION  
 West Fork Federal #12  
 SW/4 NE/4, Sec. 6-5S-22E  
 Chaves County, N.M.



**BOP DIAGRAM**

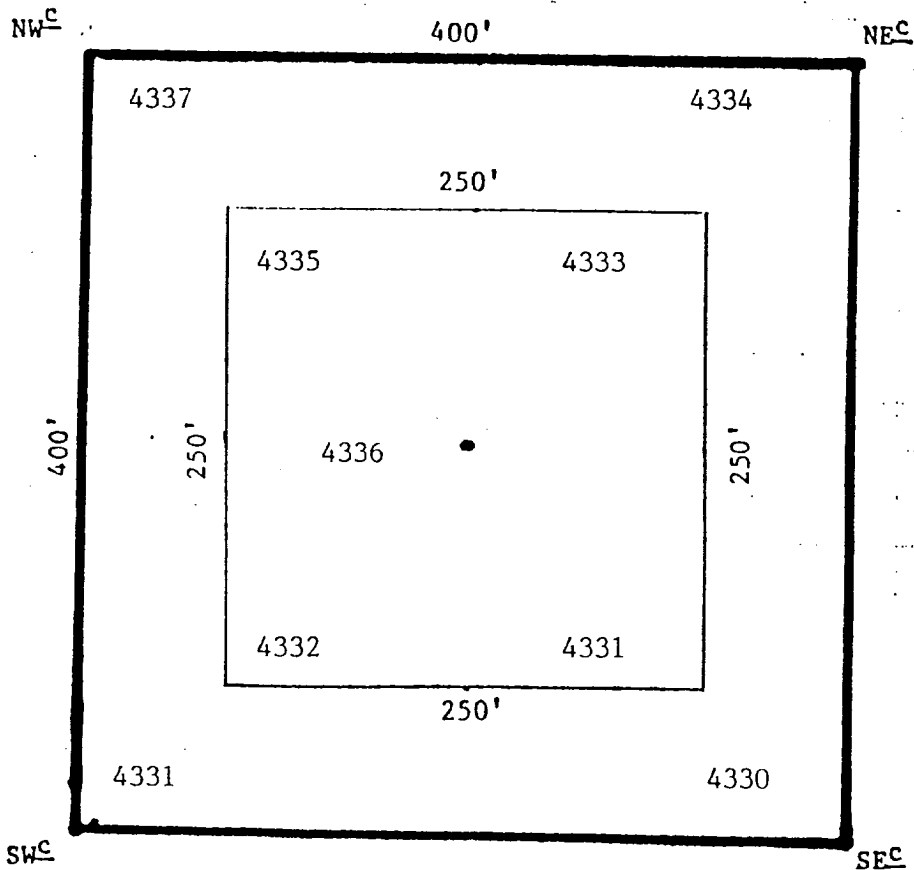
*2000 PSI*  
~~3000~~ Working Pressure  
 Rams Operated Daily



JOHN D. J. UESS  
CONSULTING ENGINEER  
Suite 327 J.P. White Building  
ROSWELL, NEW MEXICO 88201  
(505) 622-8866

JOB \_\_\_\_\_  
SHEET NO \_\_\_\_\_ OF \_\_\_\_\_  
CALCULATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
SCALE \_\_\_\_\_

WEST FORK FED. # 12  
990 FEL 1650 FNL  
SEC. 6-5-22



NM Oil Cons. Commission

Drawer DD

Artesia, NM 88210

McKay Oil Corporation  
West Fork Federal #12  
SE 1/4 NE 1/4 of Sec. 6-5S-22E  
Chaves County, New Mexico

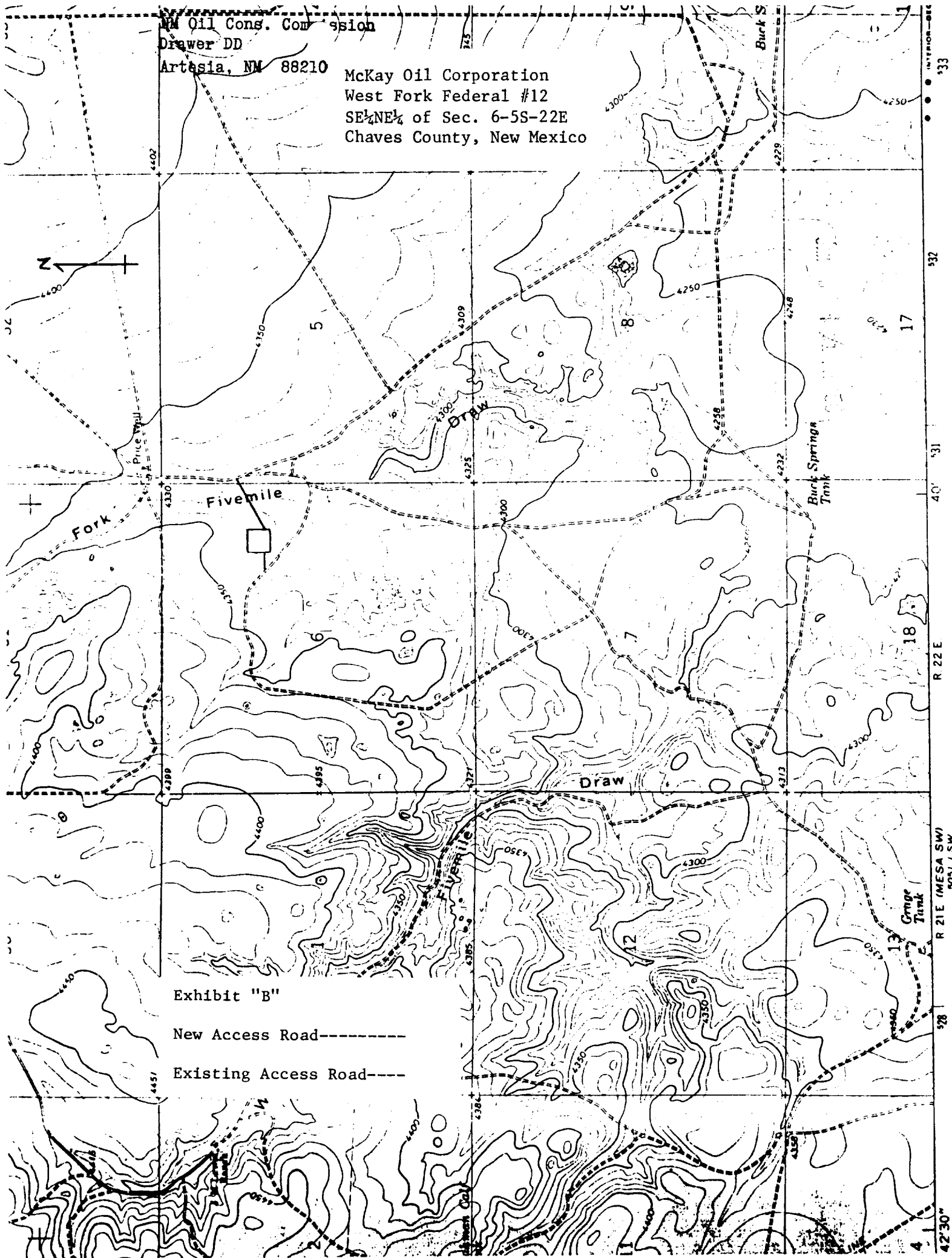


Exhibit "B"

New Access Road-----

Existing Access Road----

R 22 E  
R 21 E (MESA SW)  
5051 / SW