

N.M. Oil Cons. Division  
811 S. 1st Street  
Artesia, NM 88210-2834

on 3160-3  
August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

1. Type of Work: ☒ DRILL ☐ REENTER

5. Lease Serial No.  
NM 32323

6. If Indian, Allottee or Tribe Name

2. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

☐ Single Zone ☐ Multiple Zone

7. If Unit or CA Agreement, Name and No.

26901

8. Lease Name and Well No.

Snakeweed "B" Fed. #4

Name of Operator

McKay Oil Corporation

9. API Well No.

30-005-63378

3. Address P.O. Box 2014

Roswell, NM 88202

3b. Phone No. (include area code)

505-623-4735

10. Field and Pool, or Exploratory

W. Pecos Slope Aho

Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface

880' FSL & 588' FEL

11. Sec., T., R., M., or Blk. and Survey or Area

18 - T6S, R23E, N.M.P.M.

Distance in miles and direction from nearest town or post office \*

23 miles north of Roswell, NM

12. County or Parish

Chaves

13. State

NM

Distance from proposed \*  
location to nearest  
property or lease line, ft.  
(Also to nearest drg. unit line, if any)

660'

16. No. of Acres in lease

1360.00

17. Spacing Unit dedicated to this well

160.00

Distance from proposed location \*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.

1,100'

19. Proposed Depth

3400'

20. BLM/BIA Bond No. on file

NM 1981

Elevations (Show whether DF, KDB, RT, GL, etc.)

4126' GL

22. Approximate date work will start \*

3/25/00

23. Estimated duration

15 days

ROSWELL CONTROLLED WATER BASIN

Attachments

WITNESS

Surface Casing

following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

Well plat certified by a registered surveyor.

A Drilling Plan.

A Surface Use Plan (if the location is on National Forest System Lands, the SUPD shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

Signature *Bill J. Milstead*

Name (Printed/Typed)

Bill J. Milstead

Date

2-4-00

Vice President

Approved by (Signature) *Larry D. Bray*

Name (Printed/Typed)

LARRY D. BRAY

Date

SEP 25 2000

Assistant Field Manager

Office ROSWELL FIELD OFFICE

APPROVED FOR 1 YEAR

Declaration approval does not warrant or certify the title applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Under 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person 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.

Instructions on reverse



APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS  
SPECIAL STIPULATIONS  
ATTACHED

Submit to Appropriate  
District Office  
State Lease - 4 copies  
For Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-85

OIL CONSERVATION DIVISION

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Artesia, NM 87410

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT  
All Distances must be from the outer boundaries of the section

Operator <b>McKAY OIL CORP.</b>			Lease <b>SNAKEWEED FED "B"</b>		Well No. <b>4</b>
Unit Letter <b>P</b>	Section <b>18</b>	Township <b>6S</b>	Range <b>23E</b>	County <b>CHAVES</b>	
Actual Footage Location of Well: <b>880</b> feet from the <b>SOUTH</b> line and <b>588</b> feet from the <b>EAST</b> line					
Ground level Elev. <b>4126</b>		Producing Formation		Pool	Dedicated Acreage: <b>Acres</b>

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, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

OPERATOR CERTIFICATION

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

Signature Billy M. Isted  
Printed Name Billy M. Isted  
Position Vice President  
Company McKay Oil Corporation  
Date 7-7-00

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes actual surveys made by me or under supervision, and that the same is true correct to the best of my knowledge and belief.

Date Surveyed 7-7-00  
Signature Jackie D. Atkins  
Profession Land Surveyor  
Certificate No. 8504

SNAKEWEED FED. "B" #4

588'

880'

**PERTINENT INFORMATION**

FOR

MCKAY OIL CORPORATION  
SNAKEWEED B FEDERAL #4  
SE/4SE/4 of Sec. 18, T-6S, R-23E  
Chaves County, New Mexico

<u>LOCATED:</u>	27 air miles Northwest of Roswell, NM.
<u>LEASE NUMBER:</u>	NM-32323
<u>LEASE ISSUED:</u>	November 1, 1978
<u>RECORD LESSEE:</u>	McKay Oil Corporation McKay Children's Trust
<u>BOND COVERAGE:</u>	Operator's \$25,000 Statewide
<u>AUTHORITY TO OPERATE:</u>	Assignment of Operating Rights
<u>ACRES IN LEASE:</u>	648.01 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

**PERTINENT INFORMATION**

FOR

MCKAY OIL CORPORATION  
SNAKEWEED "B" FED. #4  
SE/4SE/4 of Sec. 18, T-6S, R-23E  
Chaves County, New Mexico

<u>LOCATED:</u>	23 air miles Northwest of Roswell, NM.
<u>LEASE NUMBER:</u>	NM-32323
<u>LEASE ISSUED:</u>	November 1, 1978
<u>RECORD LESSEE:</u>	McKay Oil Corporation McKay Children's Trust
<u>BOND COVERAGE:</u>	Operator's \$25,000 Statewide
<u>AUTHORITY TO OPERATE:</u>	Assignment of Operating Rights
<u>ACRES IN LEASE:</u>	1,360.00 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  
SNAKEWEED "B" FED. #4  
SE/4SE/4 of Sec. 18, T-6S, R-23E  
Chaves County, New Mexico

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

1. SURFACE FORMATION: San Andres

2. ESTIMATED TOPS OF GEOLOGICAL MARKERS:

Yeso - 876'  
Tubb - 2372'  
Abo - 2600'

3. ESTIMATED DEPTHS TO WATER, OIL OR GAS FORMATIONS:

Fresh Water - In surface formation above 600'  
Gas - In Abo Formation below 2600'

4. PROPOSED CASING PROGRAM:

<b>WITNESS</b>	12-1/4" hole	8-5/8" X-42	23#	<del>900'</del> 950'
	7-7/8" hole	4-1/2" J-55	10.5#	TD

5. PROPOSED CEMENTING PROGRAM:

<b>WITNESS</b>	Surface to 900'	class "C" - 350 sxs cemented and circulated to surface.
	Production Casing	class "C" - 300 sxs cemented with adequate cover.

6. PROPOSED DRILLING PROGRAM:

McKay Oil Corporation proposes to drill and test the ABO formation. Approximately 900' of surface casing will be set and cemented to surface. 4-1/2" production casing will be set and cemented with adequate cover, perforated and stimulated as needed for production.

7. PRESSURE CONTROL EQUIPMENT: Blowout preventer will consist of *2 ram, 2M system.*  
~~Rotary Head with a rotating rubber with 1,000# WP and 1,000# test pressure and a steel Bleeey Line with 1,000# WP valve.~~ A sketch of the BOP is attached. *PWC*
8. CIRCULATION MEDIUM: Air Drilling
9. AUXILIARY EQUIPMENT: Full-opening drill string safety valve fit for the drill string in use, will be kept on the rig floor at all times.
10. 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.
11. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE:  
None anticipated.
12. ANTICIPATED STARTING DATE: On or before March 25, 2000  
Drilling should be completed within 15 days. Completion operations (perforations and stimulation) will follow drilling operations.

## MULTI-POINT SURFACE USE AND OPERATIONS PLAN

MCKAY OIL CORPORATION  
SNAKEWEED "B" FED #4  
SE/4SE/4 of Sec. 18, T-6S, R-23E  
Chaves County, New Mexico

NM 32323

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 is staked. The well is approximately 23 miles north of Roswell, NM.

B. Directions: Heading North out of Roswell, New Mexico on U.S. 285 for approximately 23 miles and turn left on county road just before mile marker 137 (Cottonwood Road). Go approximately 2.0 miles, then turn north for approximately 1/4 mile to the lease road, turn west for approximately 1/2 mile, then turn south 1/4 mile to the location.

### 2. PLANNED ACCESS ROAD:

A. Length and Width: 1/4 mile long and 20' wide.

B. Surface Materials: Sand, gravel and caliche where needed.

C. Turnouts: None

D. Maximum Grade: No more than 3%.

E. Drain Design: Road will have drainage ditches on both sides and a crowned top, with culverts and/or low water crossings as necessary.

F. Culverts: None.

G. Cuts and Fill: None.

H. Gates, Cattleguards: None needed. Already in place.

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 and fill will be required for the pad size of 258' x 350'. (See Exhibit "F")

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. Closest Pit to the location.

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.

C. Water produced during test will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.

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 placed in portable receptacles and hauled from the location upon completion of drilling and completion operations.

F. All trash and debris will be 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 very slightly to the east and 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 conditions 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 using the preserved soil mentioned in 2.I. and 4.C.

11. OTHER INFORMATION:

A. Topography: The topography is a gradual slope to the south in the vicinity of the access road and south-southwest in the vicinity of the drill pad. Regional slope is south-southwest toward the Arroyo del Macho which is south-southwest of the 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 and Streams: Arroyo del Macho south-southwest of the proposed location.

E. Residences and other Structures: The David Corn ranch house (old W.R. McKnight Ranch) is approximately 1 mile to the south-southwest.

F. Archaeological, Historical and Other Cultural Sites: An Archaeologist from Roswell, NM will be contracted to check and approve this site and access road.

G. Land Use: Grazing.

H. Surface Ownership: USA-BLM.

12. OPERATOR'S REPRESENTATIVE:

Gary Richburg  
Roswell, New Mexico  
(505) 623-4735 (O)  
(505) 626-8581 (C)

13. CERTIFICATION:

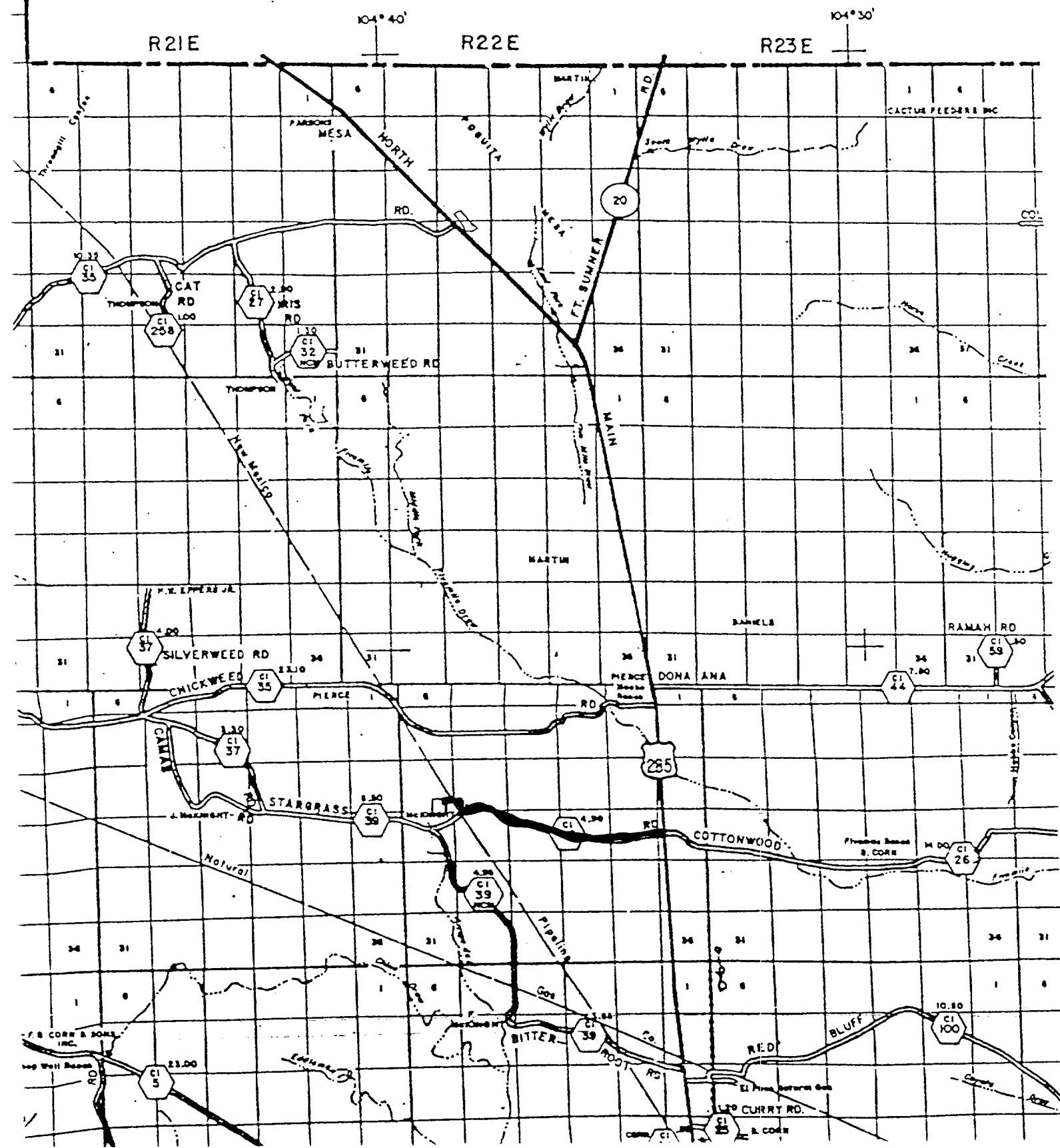
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exists; that the statements made in this plan are, to the best of my knowledge true and correct; that the work associated with 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.

2-04-00  
DATE

Bill M. Milled

SNAKEWEED FEDERAL "B" #4  
SE/4SE/4 OF SEC. 18, T-6S, R-23E  
CHAVES COUNTY, NEW MEXICO

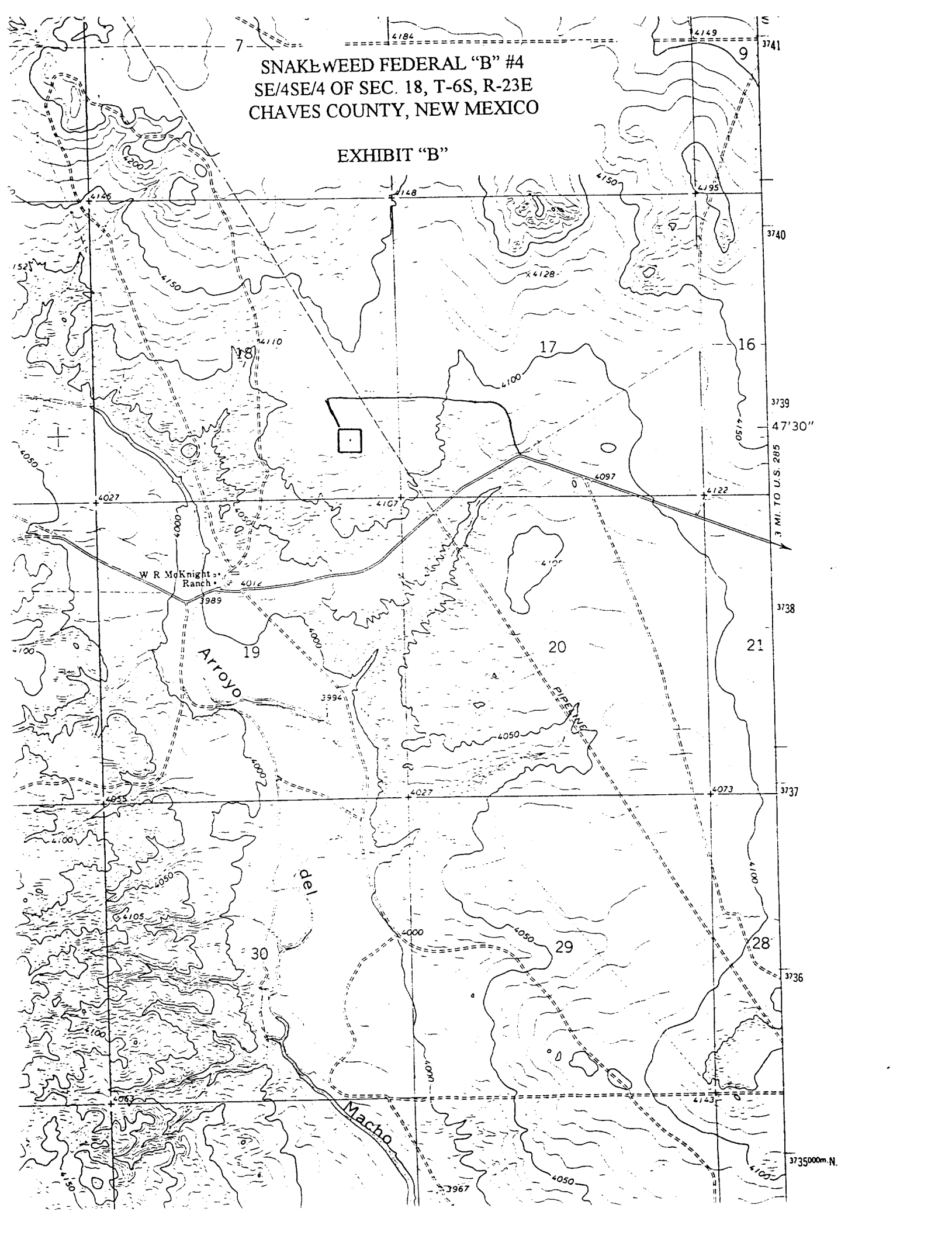
EXHIBIT "A"



7- 4184 4149 3741 9

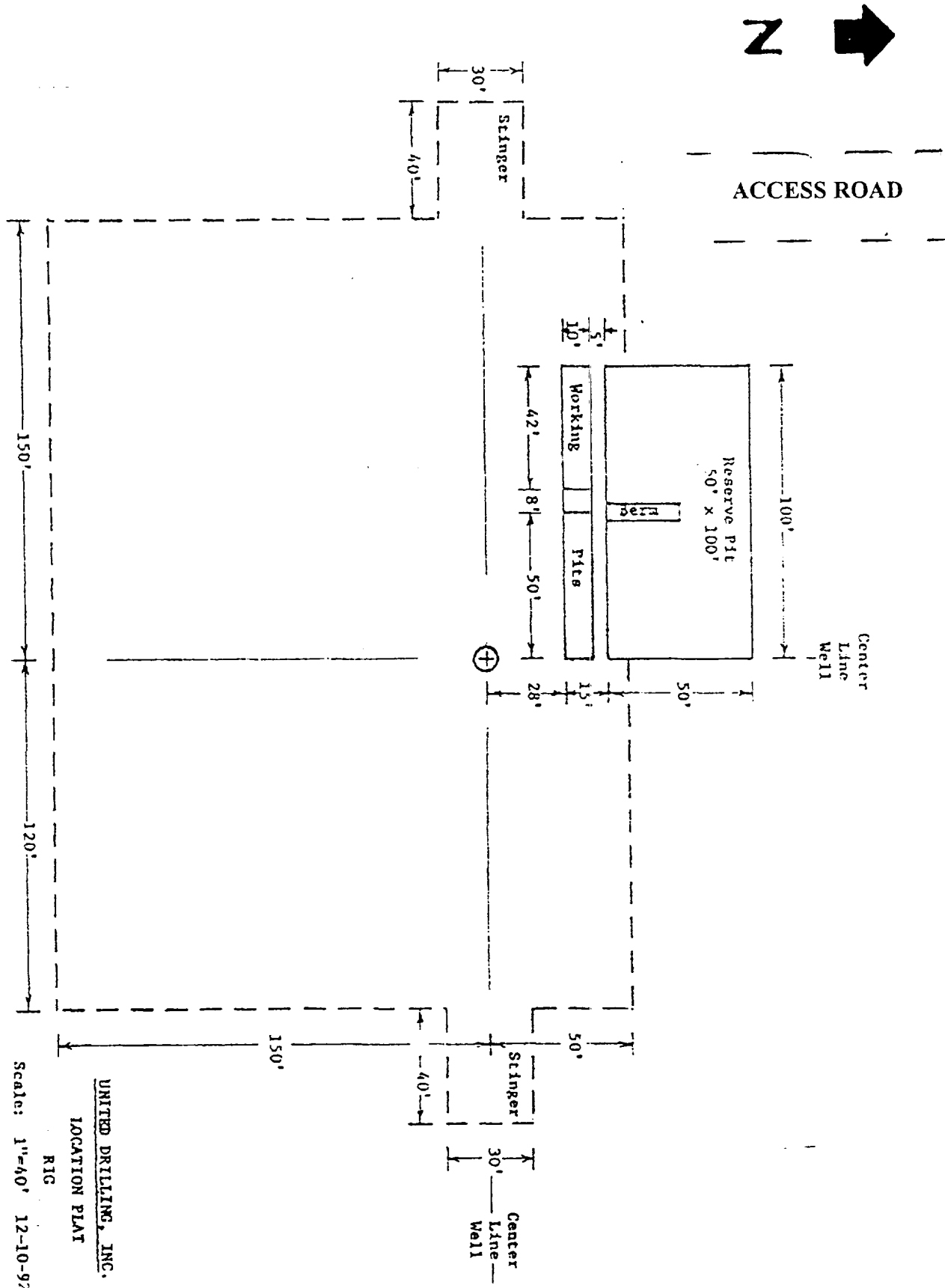
Snakeweed Federal "B" #4  
SE/4SE/4 OF SEC. 18, T-6S, R-23E  
CHAVES COUNTY, NEW MEXICO

EXHIBIT "B"



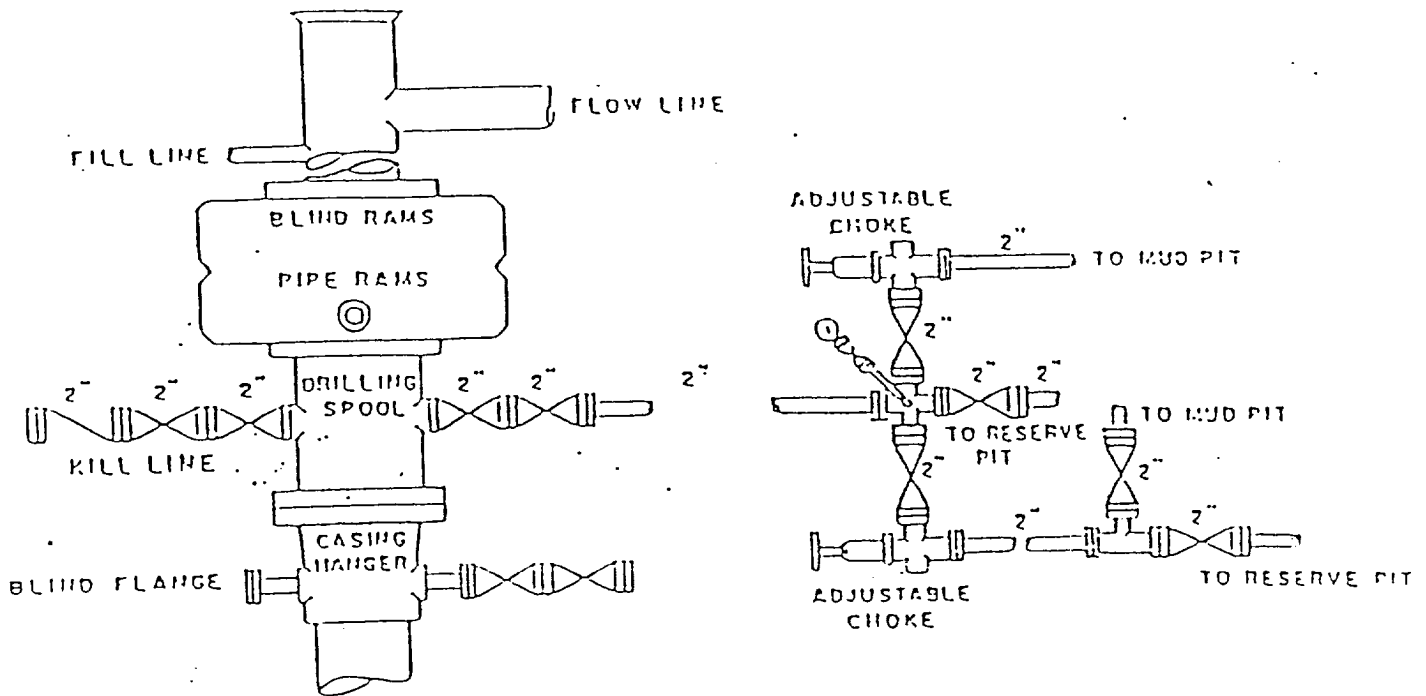
S1 KEWEED FEDERAL "B" #4  
SE/4SE/4 OF SEC. 18, T-6S, R-23E  
CHAVES COUNTY, NEW MEXICO

EXHIBIT "C"



NAKEWEED FEDERAL "B" #4  
SE/4SE/4 OF SEC. 18, T-6S, R-23E  
CHAVES COUNTY, NEW MEXICO

EXHIBIT "D"



AKEWEED FEDERAL "B" #4  
SE/4SE/4 OF SEC. 18, T-6S, R-23E  
CHAVES COUNTY, NEW MEXICO

EXHIBIT "E"

