

C/S

Form 9-711 C
May 1960

NM Oil (3. mission

Drawer DD

Artesia, NM UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)

Form approved:
Budget Bureau No. 42 R1425

30-005-62432

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEEN ☐ PLUG BACK ☐
1b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐
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 660' FNL & 1980' FEL
At proposed prod. zone same
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
28 Miles Northwest of Roswell, NM
15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 660'
16. NO. OF ACRES IN LEASE
2,047.51
17. NO. OF ACRES ASSIGNED
TO THIS WELL
160.0
18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.
2 miles
19. PROPOSED DEPTH
3,400'
20. ROTARY OR CABLE TOOLS
Rotary
21. ELEVATIONS (Show whether DP, RT, GR, etc.)
4340' GL
22. APPROX. DATE WORK WILL START*
ASAP

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLES	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 circulated 480 cf to tie in 4 1/2" to 8 5/8" from 1300' to 900'

Work proposed 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.

NOTE: PROGRAM: See Supplemental Drilling Data Which is Attached.

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

Bar is not dedicated.

Posted ID-1
NL, API
1-30-87

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 [Signature] TITLE Landman DATE 12-30-86
(This space for Federal or State office use)

PERMIT NO. S/Phil Kirk APPROVAL DATE DEC 31 1986
APPROVED BY [Signature] TITLE Area Manager DATE DEC 31 1986
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.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-7

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

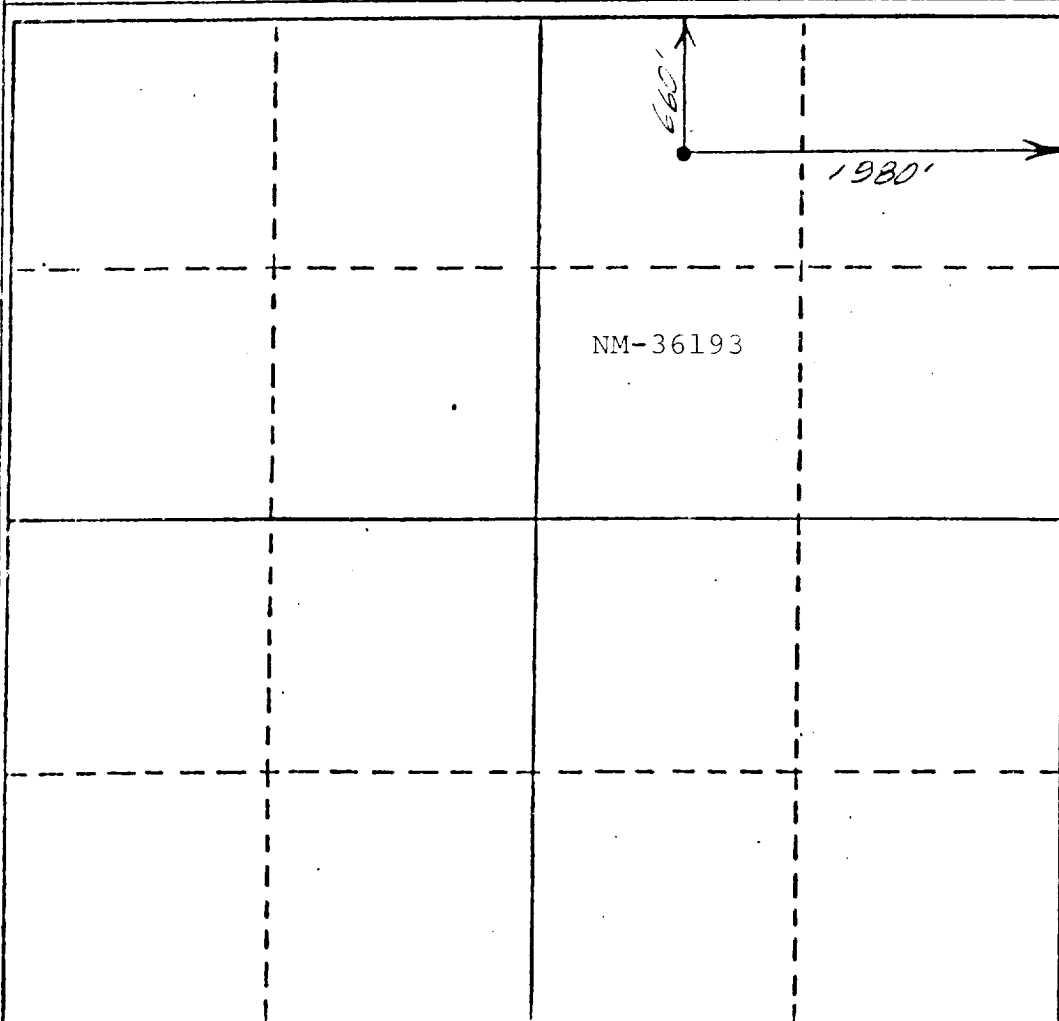
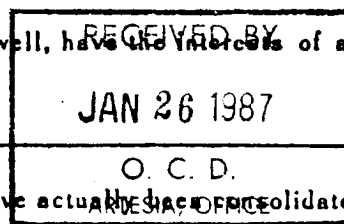
Operator McKay Oil Corp. ✓		Lease Four Mile Draw Federal		Well No. #9
Unit Letter B	Section 17	Township 6 South	Range 22 East	County Chaves
Actual Postage Location of Well: 660 feet from the North line and 1980 feet from the East line				
Ground Level Elev. 4340	Producing Formation Abo	Pool W. Pecos Slope Abo	Dedicated Acres 160	

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. (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.

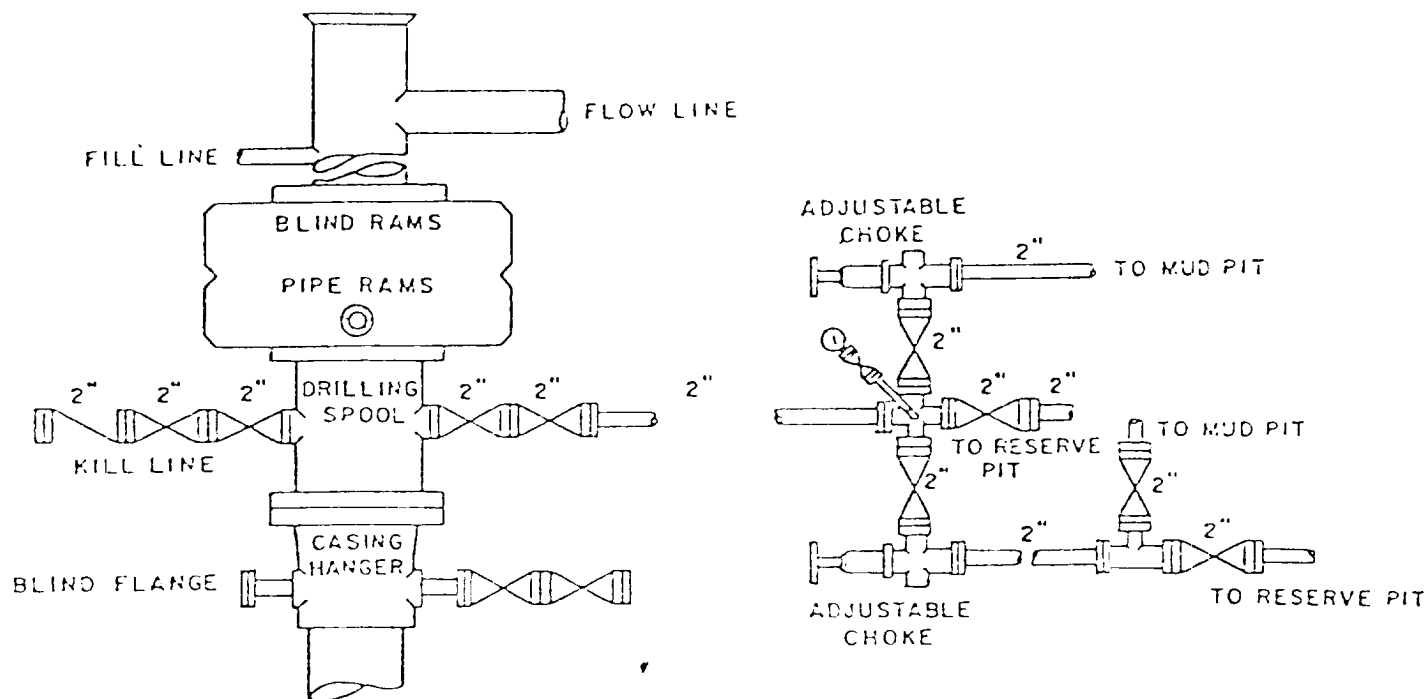
Name
Sam L. Shackelford
Position
Agent
Company
McKay Oil Corp.
Date
12-30-86

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.

JOHN D. JAQUES
Date Surveyed
December 29, 1986
Registered Professional Engineer and Land Surveyor
John D. Jaques P.E. & L.S.
Certificate No. 6298

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

MCKAY OIL CORPORATION
 Four Mile Draw Fed. #9
 NW/4NE/4 Sec. 17-6S-22E
 Chaves County, New Mexico



BOP DIAGRAM

3000# Working Pressure
 Rams Operated Daily

SUPPLEMENTAL DRILLING DATA

McKAY OIL CORPORATION
Four Mile Draw Federal #9
NW/4NE/4 Sec. 17-6S-22E
Chaves County, N.M.

NM 36193



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	- 663
Tubb	- 2365'
Abo	- 3065'
3. ESTIMATED DEPTHS TO WATER, OIL OR GAS FORMATION:

Fresh water	- In surface formations above 600'
Gas	- In Abo formation below 3065'
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#WP. A sketch of the BOP is attached.
6. CIRCULATING MEDIUM:

0'- 700'	Lime and gel, spud mud, viscosity 32 to 34 seconds.
700'- 2965	Fresh water
2965'- TD	Start mudding up at 2965'; 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.

MCKAY OIL CORPORATION
 Four Mile Draw Fed. #9
 NW/4NE/4 Sec. 17-6S-22E
 Chaves County, New Mexico

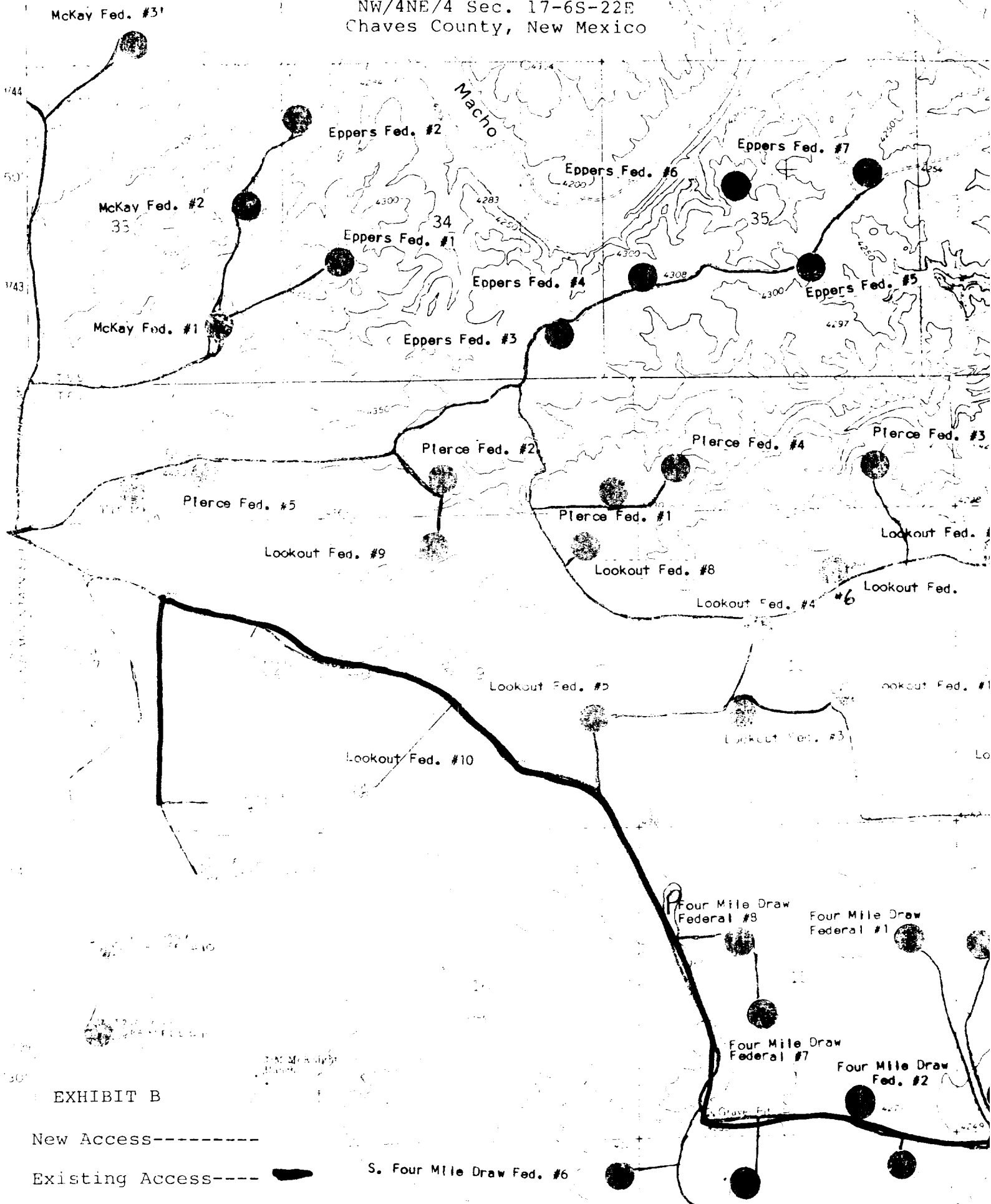


EXHIBIT B

New Access-----

Existing Access-----

S. Four Mile Draw Fed. #6

MCKAY OIL CORPORATION
 Four Mile Draw Fed. #9
 NW/4NE/4 Sec. 17-6S-22E
 Chaves County, New Mexico

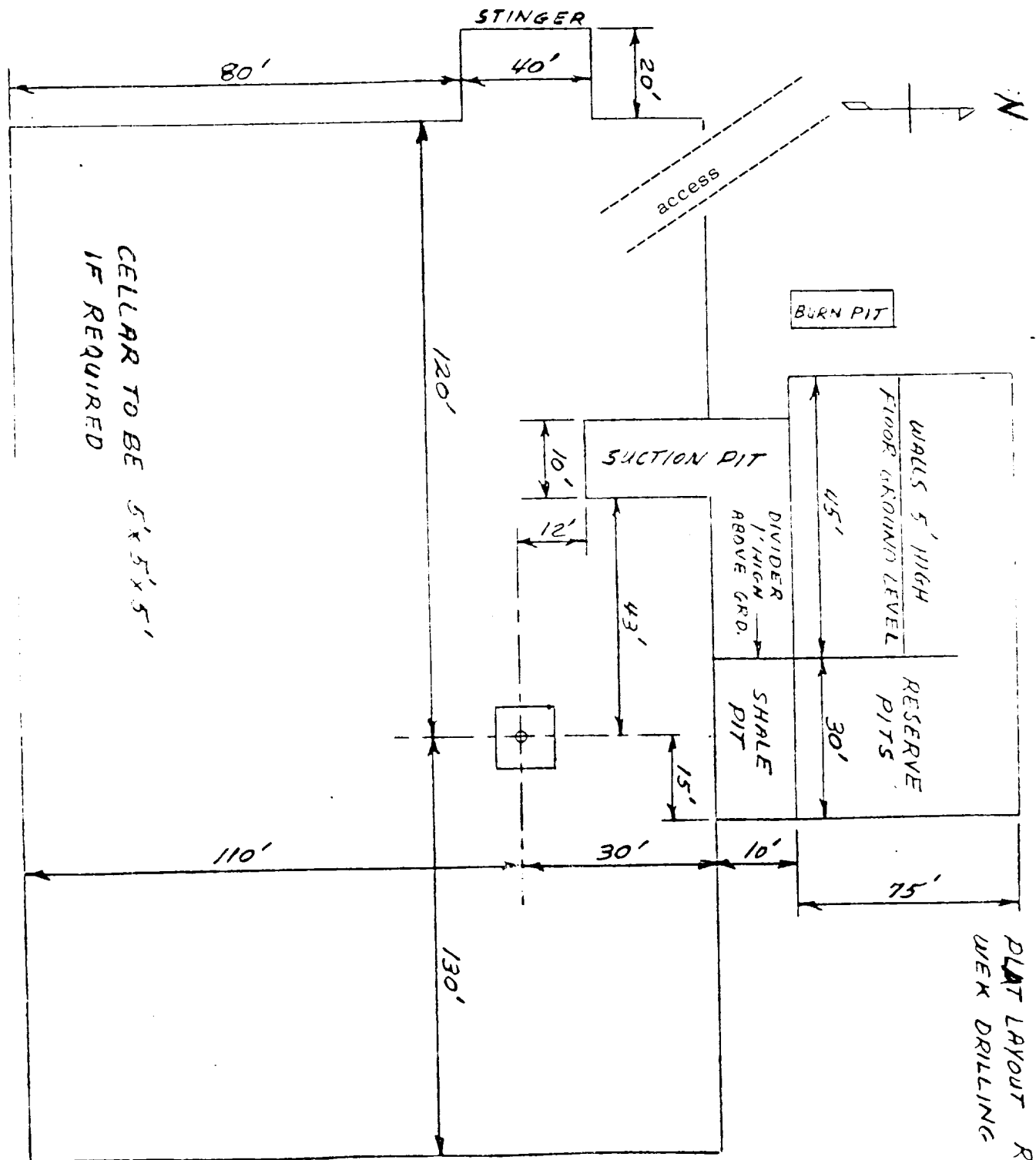


EXHIBIT C

PLAT LAYOUT RIG 3
 WEL DRILLING