

Form 3160-3
(July 1989)
(formerly 9-331C)

NM Oil Cons. Commission
Draw D
Artesia, NM 88210

CONTACT REPLYING
OFFICE FOR
OF COPIES REQUIRED
(Other instructions on
reverse side)

30-005-62808
BLM Roswell District
Modified Form No.
NMO60-3160-2

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 ☐

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

McClellan Oil Corporation

3a. Area Code & Phone No.

(505) 622-3200

3. ADDRESS OF OPERATOR

P. O. Drawer 730 Roswell, NM 88202

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

At surface

1650' FSL & 330' FEL

At proposed prod. zone

same

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

17 miles North of Loco Hills, NM

10. DISTANCE FROM PROPOSED*

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

330'

16. NO. OF ACRES IN LEASE

360

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

1875'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Cable tool

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

3865' GL

22. APPROX. DATE WORK WILL START*

November 1, 1990

23.

PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
17 1/4"	8 5/8"	23#	X-42	8 rd	270'	200 sx "C" Circ.
7 7/8"	4 1/2"	10.5#	J-55	8 rd	1875'	250 sx "C"

Mud Program: None planned since well to be drilled with cable tool rig. Will mud up if excessive water or gas pressures are encountered.

BOP Program: A Henderlitter mechanical single control gate will be used on the cable tool rig and will have a minimum of 2,000 psi working pressure. See Exhibit "E".

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ROSWELL OFFICE
AREA

Post ID-1
11-16-90
New Line & API

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.

Agent for:

SIGNED

TITLE

McClellan Oil Corporation

DATE Sept. 25, 1990

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

S/Levi Deike, Acting

TITLE

Area Manager

DATE

CONDITIONS OF APPROVAL, IF ANY:

PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION
OF FEDERAL OR STATE LAND OR MATERIAL FOR CONSTRUCTION
OF THE WELL OR PAD WITHOUT PERMIT. IN ADVANCE
U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR
CERTIFY THAT THE APPLICATION IS LEGAL OR EQUITABLE
TITLE TO THE LAND OR LEASE WHICH WOULD
ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON.

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

DISTRICT I
P.O. Box 1900, Hobbs, NM 88240

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator McClellan Oil Corporation			Lease Brown Federal		Well No. #1
Unit Letter I	Section 9	Township 15S.	Range 29E.	County Chaves	
Actual Footage Location of Well: 1650 feet from the South line and 330 feet from the East line					
Ground level Elev. 3865	Producing Formation Queen		Pool Lucky Lake Queen		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hectare marks on the plat below.

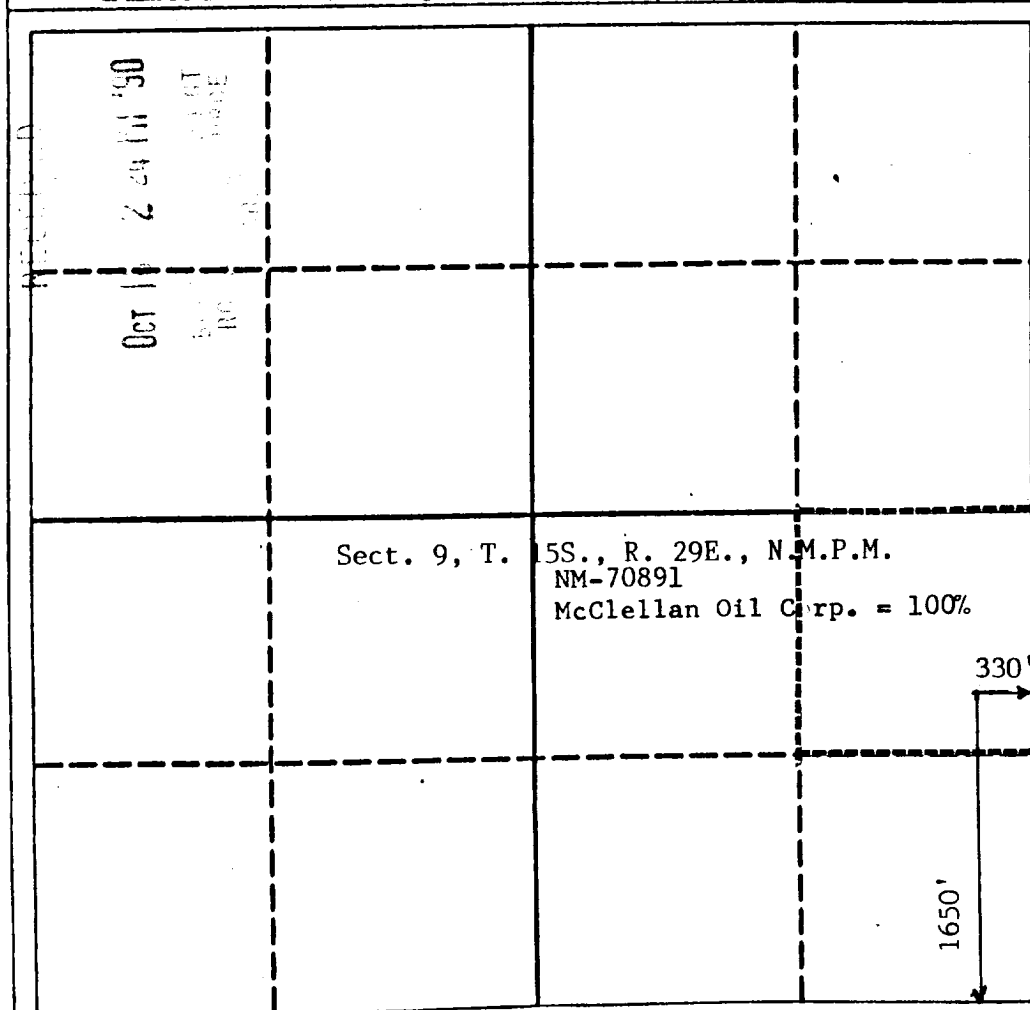
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 the best of my knowledge and belief.

Signature

George R. Smith

Printed Name

George R. Smith

Position

Agent For:

Company

Read & Stevens, Inc.

Date

October 15, 1990

SURVEYOR CERTIFICATION

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

10-12-90

Signature & Seal of
Professional Surveyor

JOHN J. JAQUESS
NEW MEXICO
6290
PROFESSIONAL ENGINEER

APPLICATION FOR DRILLING

McCLELLAN OIL CORPORATION
Brown Federal, Well No. 1
2310' FSL & 330' FEL, Sec. 9-T15S-R29E
Chaves County, New Mexico
Lease No.: NM-70891
(Development Well)

In conjunction with Form 3160-3, Application for Permit to Drill subject well, McClellan Oil Corporation submits the following items of pertinent information in accordance with BLM requirements:

1. The geologic surface formation is recent Permian with quaternary alluvium and other surficial deposits.
2. The estimated tops of geologic markers are as follows:

Salt	303'
Yates	1066'
7-Rivers	1603'
Queen	1800'
T.D.	1875'
3. The estimated depths at which water, oil or gas formations are anticipated to be encountered:

Water: Random fresh water sands from surface to - 300'+/-.

Oil: Possible in the Queen below 1800'.

Gas: None expected.
4. Proposed Casing Program: See Form 3160-3.
5. Proposed Control Equipment: See Form 3160-3 and Exhibit "E".
6. Mud Program: See Form 3160-3.
7. Auxiliary Equipment: Blowout Preventer, gas detector, Kelly cock, pit level monitor, flow sensors and stabbing valve.
8. Testing, Logging, and Coring Program:

Drill Stem Tests: None.

Logging: T.D. to surface casing: GR-CNL-LDT, and DLL.

Coring: None planned.
9. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered the proposed mud program will be modified to increase the mud weight.
10. Anticipated starting date: November 1, 1990.
Anticipated completion of drilling operations: Approximately 30 days.

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MULTI POINT SURFACE USE AND OPERATIONS PLAN

McCLELLAN OIL CORPORATION
Brown Federal, Well No. 1
2310' PSL & 330' FEL, Sec. 9-T15S-R29E
Chaves County, New Mexico
Lease No.: NM-70891
(Development Well)

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, to be followed in rehabilitating the surface environmental effects associated with the operations.

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a BLM Roswell Quadrangle map showing the location of the proposed well as staked. The well site location is approximately 28 road miles southeast of Hagerman, New Mexico or 17 miles north of Loco Hill, NM. Traveling east from Hagerman, there will be approximately 25.4 miles of paved highway and 2.9 miles of gravel ranch/oilfield roads.
- B. Directions: Travel East from Hagerman, NM on New Mexico Highway 31 for 23.5 miles to the paved Chaves County road No. 22 (Hagerman Cutoff Rd.). Turn south on Rd. 22 for 1.9 miles then right (west) onto a gravel oilfield/ranch road for 2.2 miles to the Shell 15 Fed., Well No. 1 well site. Turn north following gravel road for .2 mile then west around the Shell 15 Fed. #4 well site for .2 mile; then north for .3 mile to the Abo Petroleum well site and the start of the proposed access road on the left. The proposed access road will cross a gas pipeline at this point then run approximately 750 feet northwest to the southeast corner of the staked well site.

2. PLANNED ACCESS ROAD:

- A. Length and Width: There will be approximately 750 feet of new access road 12 feet wide (24' Max.), which is color coded red on Exhibits "A" and "B".
- B. Construction: The proposed access road will be constructed by grading and topping with compacted caliche. The surface will be properly drained.
- C. Turnouts: No turnouts are planned.
- D. Culverts: At least two or three 18-24" culverts or low water crossings will be used, one at the gas pipeline and two additional water erosion cuts.
- E. Cuts and Fills: None required.
- F. Gates, Cattleguards: None required.
- G. Off Lease R/W: There will be approximately 150' of off lease right of way required for the new access road. The existing access road is partially covered by a previously issued Right of Way. There will be .5 mile of additional R/W needed for the existing road. See exhibit "B".

3. LOCATION OF EXISTING WELLS:

- A. Existing wells within a two mile radius are shown on Exhibit "C".

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4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES;

- A. There are no production facilities on the lease at this time.
- B. If the well proves to be commercial, the necessary production facilities and tank battery will be installed on the drilling pad.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. It is planned to drill the proposed well with fresh water that will be obtained from private or commercial sources and will be transported over the existing and proposed access roads.

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. Caliche for surfacing the proposed access road and well site pad will be obtained, as needed, from an approved Federal pit in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 13-T15S-R29E. Some or all caliche may be obtained from the Shell 15 Fed., #4 well site. The topsoil from the location will be stockpiled near the location for future rehabilitation use. No surface materials will be disturbed except those necessary for actual grading and leveling of the drill site and access road.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the reserve/mud pit.
- B. Drilling fluids will be allowed to evaporate in the reserve/mud pit until the pit is dry.
- C. All pits will be fenced with normal fencing materials to prevent livestock from entering the area.
- D. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or a separate disposal application will be submitted to the BLM for approval.
- E. Oil produced during operations will be stored in tanks until sold.
- F. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- G. 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 a commercial dumpster will be used. All waste material will be contained to prevent scattering by the wind.
- H. All trash and debris will be buried or removed from the well site within 30 days after finishing drilling and/or completion operations.

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8. ANCILLARY FACILITIES:

- A. None required.

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9. WELL SITE LAYOUT:

- A. Exhibit "D" shows the relative location and dimensions of the well pad, waste pits, and major rig components. The pad and pit area has been staked and flagged, 400' X 400'. The location shown is for a cable tool rig which will be used to drill the well.
- B. Mat Size: Maximum size: 180' X 150' plus mud pit.
- C. Cut & Fill: There will be a 2 foot cut on the south with fill to the north. The stored surface material will be used to build a berm on the south side and around the southeast and southwest corners of the pad to divert run-off.
- D. The surface will be topped with compacted caliche.

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 and screened until they are filled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment.

11. OTHER INFORMATION:

- A. Topography: The proposed well site is located on a relatively level area with a 2% slope to the north from an elevation of 3852' G.L. There are small water erosion cuts crossing the area caused by the 5% slope on the hill to the south of the location.
- B. Soil: The topsoil at the well site is a fine sandy clay loam with considerable sandstone scatter with sandstone outcrops and underlying the surface 12-18 inches. The soils are of the Berino-Pintura complex series.
- C. Flora and Fauna: The vegetation cover is a fair to poor grass cover of dropseed, fluffgrass, grama, three-awn, bristlegrass, and muhly along with plants of mesquite, yucca, creosote bush, cacti, javelina bush, croton and miscellaneous weeds and wildflowers. The wildlife consists of rabbits, coyotes, rattlesnakes, lizards, dove, quail and other wildlife typical of the semi-arid desert land.
- D. Ponds and Streams: None in the immediate vicinity.
- E. Residences and Other Structures: None in the immediate area, except well site equipment to the southeast.
- F. Land Use: Cattle grazing.

11. OTHER INFORMATION; cont.....

- G. Surface Ownership: The proposed well site and access road is on Federal surface and minerals.
- H. There is no evidence of any archaeological, historical or cultural sites in the area. An archaeological survey will be conducted by Archaeological Survey Consultants, P. O. Box D, Roswell, NM 88202, and their report will be submitted to the appropriate government agencies.

12. OPERATOR'S REPRESENTATIVE:

- A. The field representative for assuring compliance with the approved surface use and operations plan is as follows:

Mark McClellan
McClellan Oil Corporation
P. O. Drawer 730
Roswell, New Mexico 88202
Office Phone: (505) 622-3200
Home Phone: (505) 622-2128

13. CERTIFICATION:

I hereby certify that I have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by McClellan Oil Corporation and its contractors and subcontractors 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.

September 31, 1990


George R. Smith
Agent for: McClellan Oil Corporation

40 R 28 E 1150

Printed 1980

575

1 175 000 FEET (CENTRAL)

5400000

R 29 E

600

10 40000 R 29 E

40 R 30 E

Brown Federal, No. 1 →

King Camp

JEEP TRAIL

EXHIBIT 'A'
McCLELLAN OIL CORPORATION
Brown Federal, Well No. 1
2310' FSL & 330' FEL, Sec. 9-T15S-R29E
Existing Access Road: —
Proposed Access Road: —

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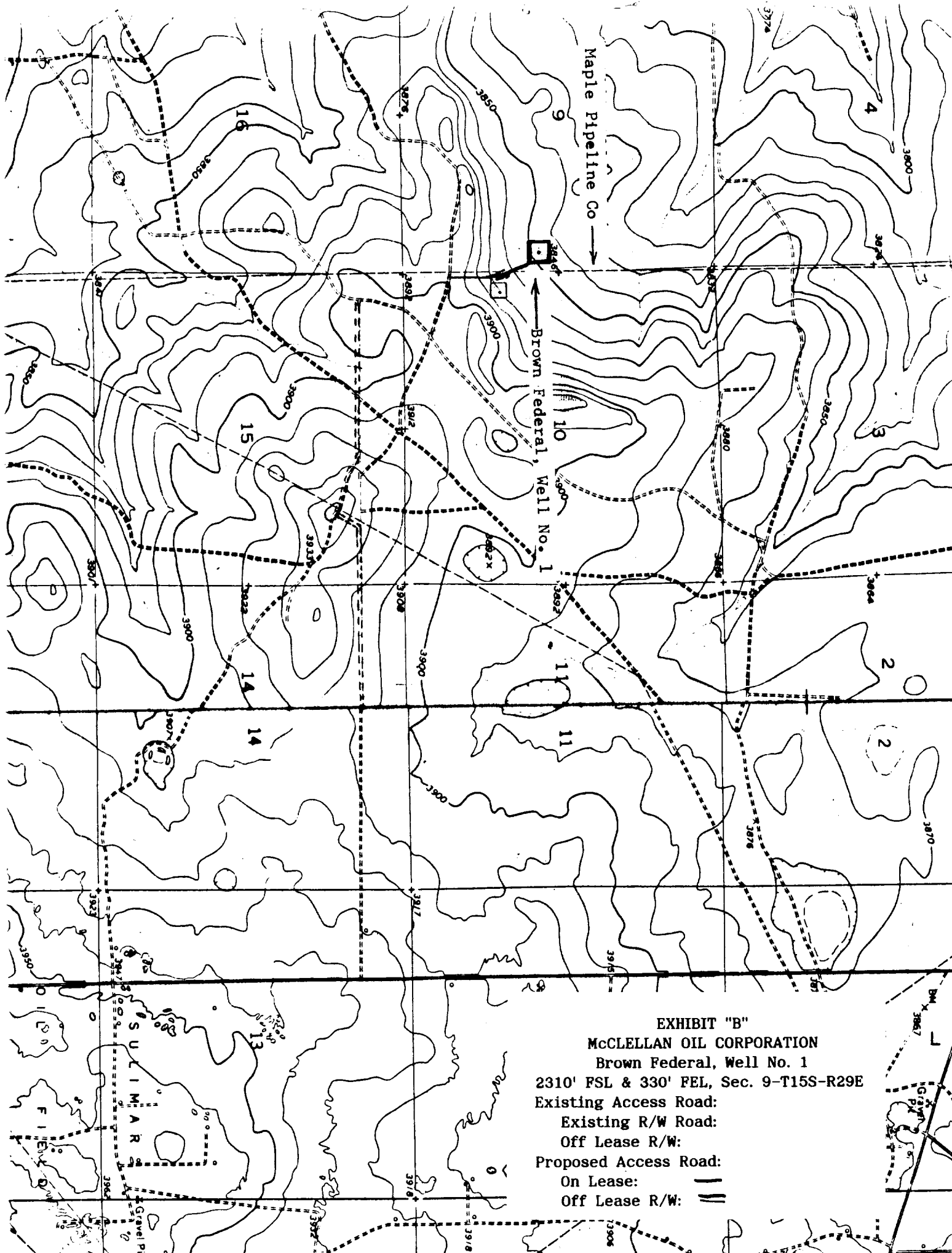


EXHIBIT "B"

MCCLELLAN OIL CORPORATION

Brown Federal, Well No. 1

2310' FSL & 330' FEL, Sec. 9-T15S-R29E

Existing Access Road:

Existing R/W Road:

Off Lease R/W:

Proposed Access Road:

On Lease:

Off Lease R/W:



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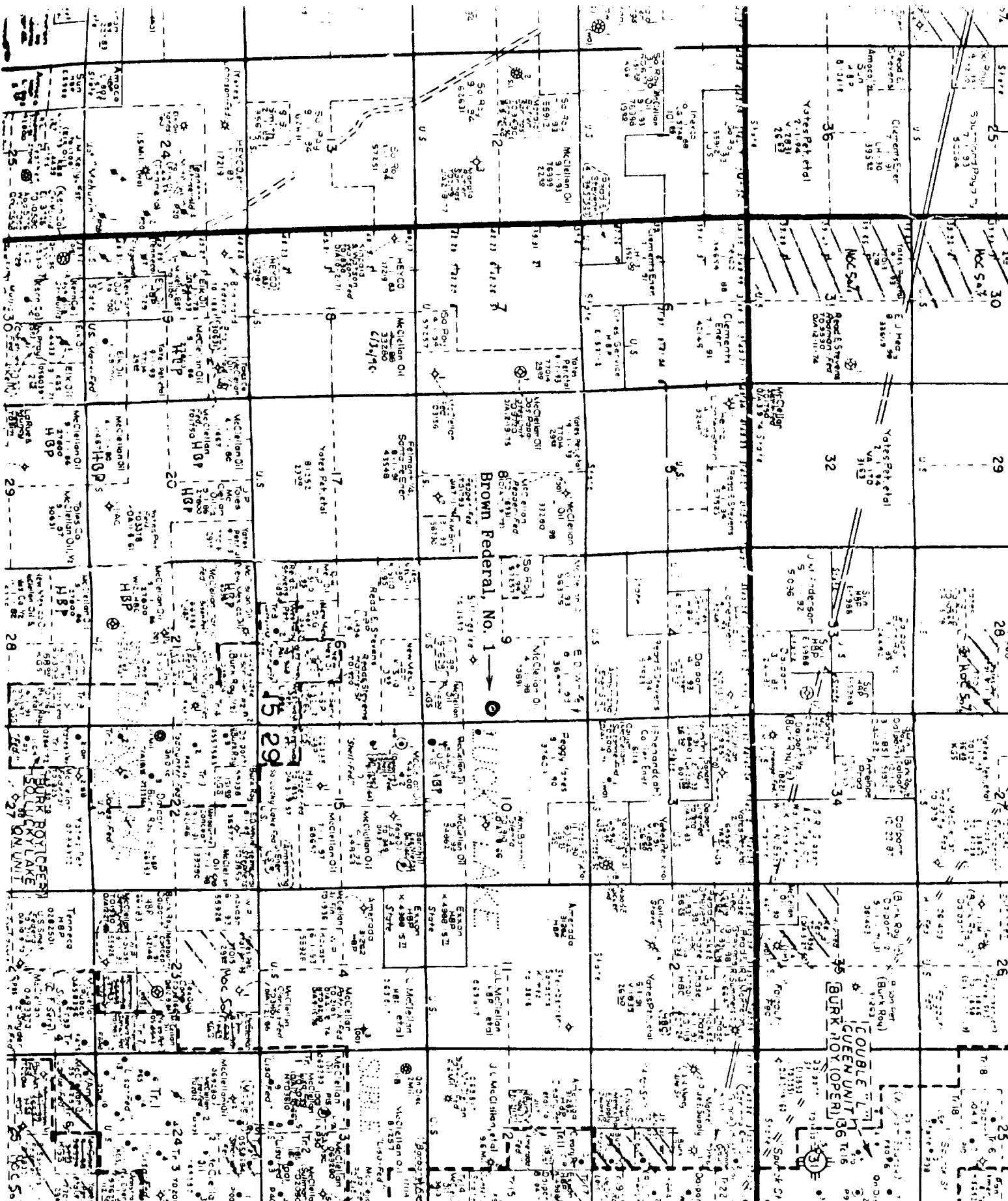
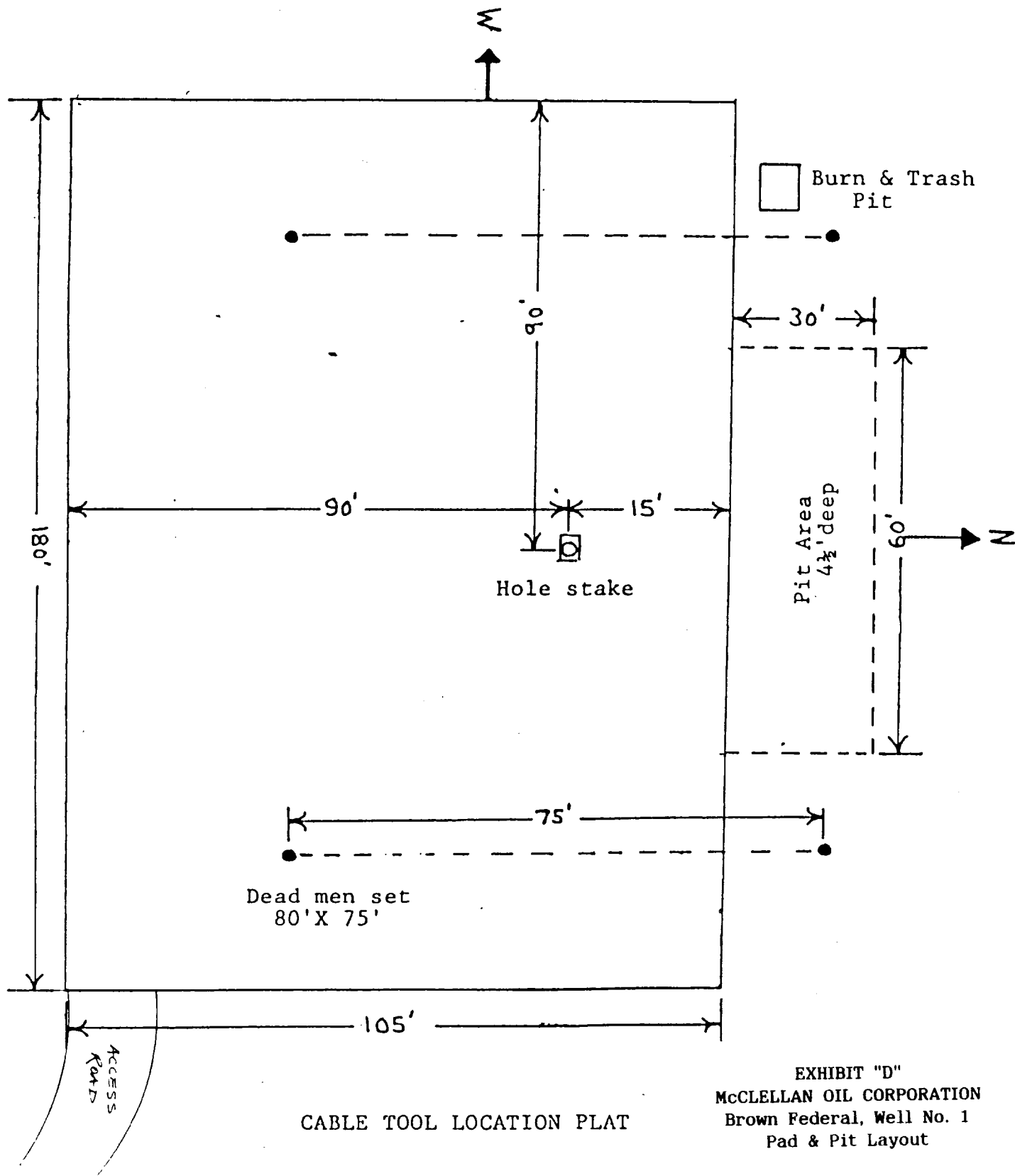


EXHIBIT "C"
MCLELLAN OIL CORPORATION
Brown Federal, Well No. 1
2310' FSL & 330' FEL, Sec. 9-T15S-R29E
Existing Wells

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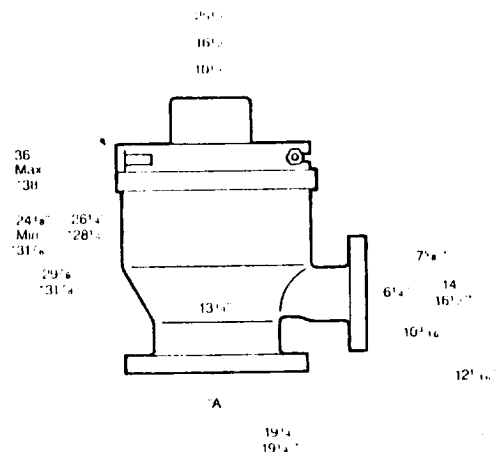
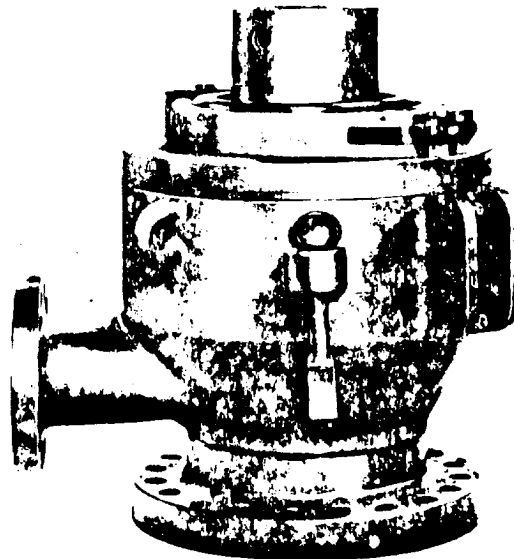
Model 7068

for 10",
12",
and 13⁵/₈"
BOP
stacks.

This model has an integral body with both side outlet and a lower API flange for mounting on the top of BOP stacks.

The 10" size is available in a standard and "Shorty" versions. The "Shorty", 7068-S, is approximately 30% shorter than the standard, an advantage in stacks where there is limited space beneath the table.

All heads have full bores when the drive bushing assembly is removed. The drive bushing assembly will pass a 17¹/₂" table, and is interchangeable with Model 8068.



SPECIFICATIONS

SIZE	LOWER FLANGE	MAXIMUM BORE (A)	SIDE OUTLET	HEIGHT	
				W/STD. BUSHING	W/SHORT BUSHING
10"	10"-3000/5000# combination	11 1/4"	6"-2000#	36"	29 7/8"
10" SHORTY	10"-3000/5000# combination	11 1/4"	7" Threaded (Male)	—	24 3/8"
12"	12"-3000#	14"	6"-2000#	36"	29 7/8"
13 5/8" *	13 5/8"-5000#	13 5/8"	8"-2000#	38"	31 7/8"

KELLY BUSHINGS AVAILABLE: 3 1/2" Hex or Square, 4 1/4" Hex or Square, and 5 1/4" Hex only.
 STRIPPER RUBBERS AVAILABLE: 2 7/8", 3 1/2", 4 1/2", 5" and 5 1/2".
 (Stationary casing Stripper Rubbers from 6 5/8" thru 10 3/4" on special order).
 Other sizes on special order.

When ordering, specify: (1) Model Number, (2) Lower Flange Size, (3) Kelly Size and (5) High Temperature Model, if desired.

EXHIBIT "E"
McCLELLAN OIL CORPORATION
Brown Federal, Well No. 1
BOP Specifications

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