

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

M. M. OIL FIELD
SUBMIT IN PROPOSED
P. O. BOX (Other instruct
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Conoco Inc.

a. ADDRESS AND TELEPHONE NO

10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500

915-686-5794

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

At surface

660' FNL & 2080' FEL

At proposed prod. zone

660' FNL & 2080' FEL

Unit B

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

5. LEASE DESIGNATION AND SERIAL NO

LC 032096A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME WELL NO

Lockhart A 27 #16

9. API WELL NO

10. FIELD AND POOL, OR WILDCAT

Tubb Oil & Gas

11. SEC. T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 27, T21S, R37E

12. COUNTY OR PARISH

Lea

13. STATE

NM

5. DISTANCE FROM PROPOSED*

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

8. DISTANCE FROM PROPOSED LOCATION*

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

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

3404' GR

16. NO OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

19. PROPOSED DEPTH

6600'

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

2/7/98

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	M-50, 8-5/8"	23#	1200'	500 sxs, circ.
7-7/8"	K-55, 5-1/2"	17#	6600'	1460 sxs, circ.

It is proposed to drill a vertical wellbore as a Tubb oil & gas producer according to the plan submitted in the following attachments:

1. Well Location and Acreage Dedication Plat (C-102)

2. Proposed Well Plan Outline

3. Surface Use Plan

4. EXHIBIT A: Vicinity Map

5. EXHIBIT B: Location Verification Map

6. EXHIBIT C: Flowline Plat

7. EXHIBIT D: Trailer Mounted Rig Layout Drawing

8. BOP & Choke Manifold

9. H2S Drilling Operations Plan

10. Surface owner communications on settlement attempt

11. An archaeological survey is being conducted by Desert West Archaeological Services and will be provided upon completion.

OPER. OGRID NO. 5073PROPERTY NO. 3039POOL CODE 60240EFF. DATE 3/2/98API NO. 30-025-34312

The undersigned accepts all applicable terms, conditions, stipulations and restrictions concerning operations conducted on the leased land or portion thereof, as described above and as covered by BLM Bond File No. ES-0085.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen 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

Mike L. Mankin

TITLE

Mike L. MankinRight-of-Way Agent

DATE

1/2/1998

(This space for Federal or State office use)

PERMIT NO

APPROVAL DATE

Application approval 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.

CONDITIONS OF APPROVAL, IF ANY:

(ORIG. SGD.) ARMANDO A. LOPEZ

APPROVED BY

TITLE

ADM. MINERALS

DATE

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

RECEIVED

JUN 6 37

RLM
RODRELL, WMM

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-025-34312		*Pool Code 60240	*Pool Name TUBB OIL AND GAS
*Property Code 003039	*Property Name LOCKHART A-27		*Well Number 16
*OGRID No. 005073	*Operator Name CONOCO INC.		*Elevation 3404'

¹⁰ Surface Location

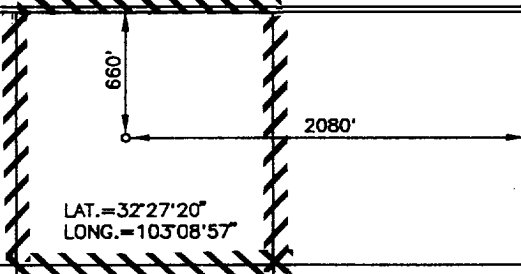
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	27	21-S	37-E		660	NORTH	2080	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

*Dedicated Acres 40	*Joint or Infill	*Consolidation Code	*Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16					17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <u>Mike L. Mankin</u> Printed Name: <u>Mike L. Mankin</u> Title: <u>Right-of Way Agent</u> Date: <u>January 2, 1998</u>	
					18 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 best of my belief. NOVEMBER 20, 1997 Date of Survey Signature and Seal of Registered Surveyor: <u>Earl Poote</u> Certificate Number: <u>8278</u>	

500 Amended Plat

PROPO. 2 WELL PLAN OUTLINE

WELL NAME

LOCATION

Lockhart A-27 No. 16

2,080' FEL & 660' FNL of Sec 27-T21S-R37E

Ground Level :


Kelly Bushing:

[illegible]

DATE _____

16-Dec-97

APPROVED


Jim Tietema, Drilling Engineer

Trent C. Boneau
Trent Boneau, Reservoir Engineer

Well Name : Lockhart A-27 #16

Location : 2080' FEL & 660' FNL Sec 27, T-21S, R-37E, Lea County, New Mexico

Casing Program :

Surface 8 5/8" casing in 12 1/4" Hole at 1200 ft.

Production 5 1/2" casing in 7 7/8" Hole at 6600 ft.

Cementing Program :

Surface

Lead 300 sacks Class C Mixed at 12.7 ppg
Additives 35:65:6 (Poz:Cem:Gel) + 2% CACL2
+ 0.25 pps Cello-Flake

Tail 200 sacks Class C Mixed at 14.8 ppg
Additives 2% A-7P

Production

1st Stage

Lead 150 sacks Class C Mixed at 12 ppg
Additives 16% Gel + 0.4% CD-32 + 0.2% SMS

Tail 360 sacks Class C Mixed at 14.8 ppg
Additives 1.1% FL-62 + 1% BA-58 + 3% Salt + 0.3% CD-32
+ 0.2% SMS

Free Water 0 % **Fluid Loss** 45 cc/30 min.

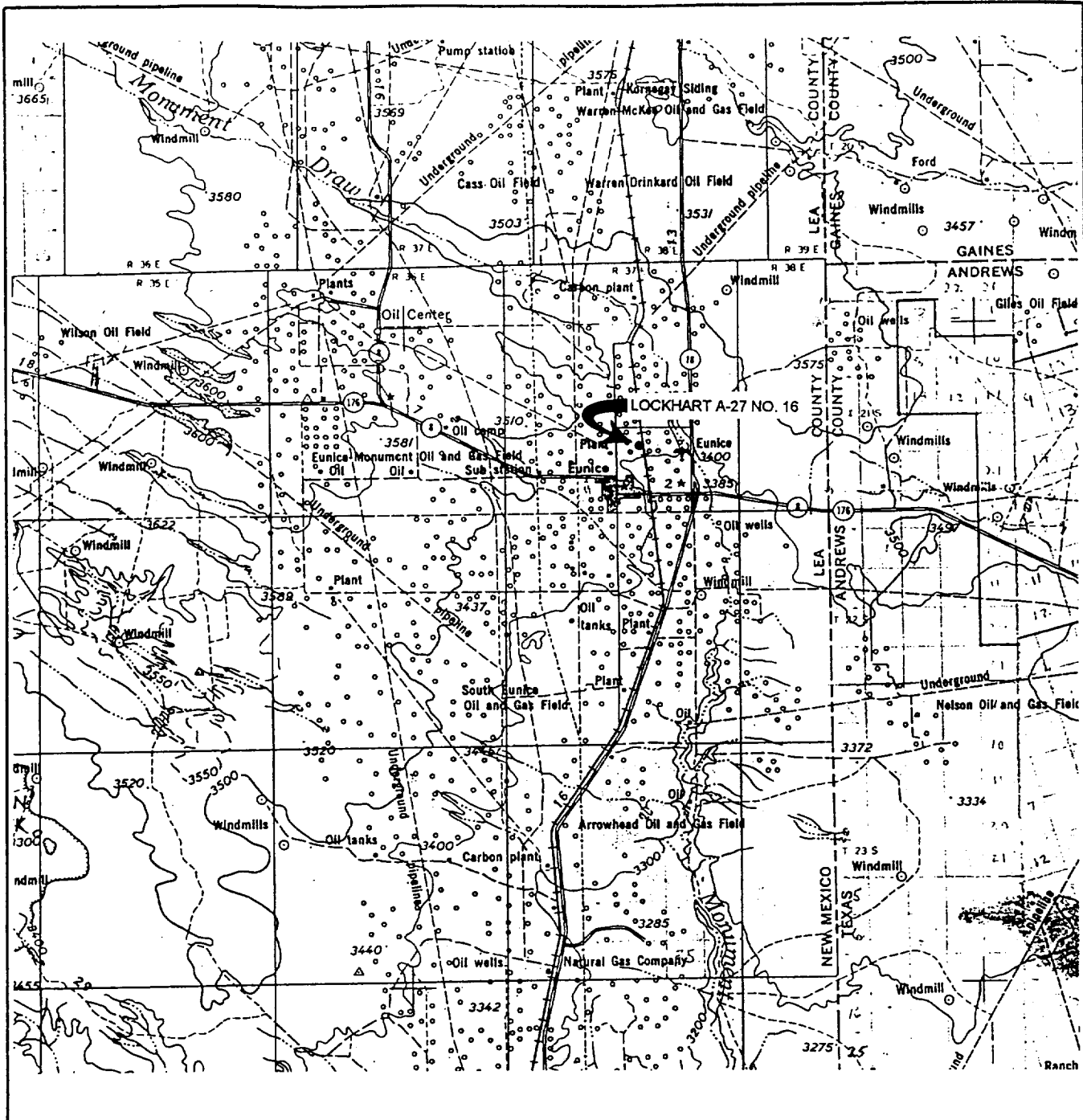
2nd Stage

Lead 420 sacks Class C Mixed at 12 ppg
Additives 16% Gel + 0.4% CD-32 + 0.2% SMS

Tail 530 sacks Class C Mixed at 14.8 ppg
Additives 1.1% FL-62 + 1% BA-58 + 5% Salt + 0.3% CD-32
+ 0.2% SMS

Free Water 0 % **Fluid Loss** 45 cc/30 min.

VICINITY MAP



SCALE: 1" = 4 MILES

WTC 45075

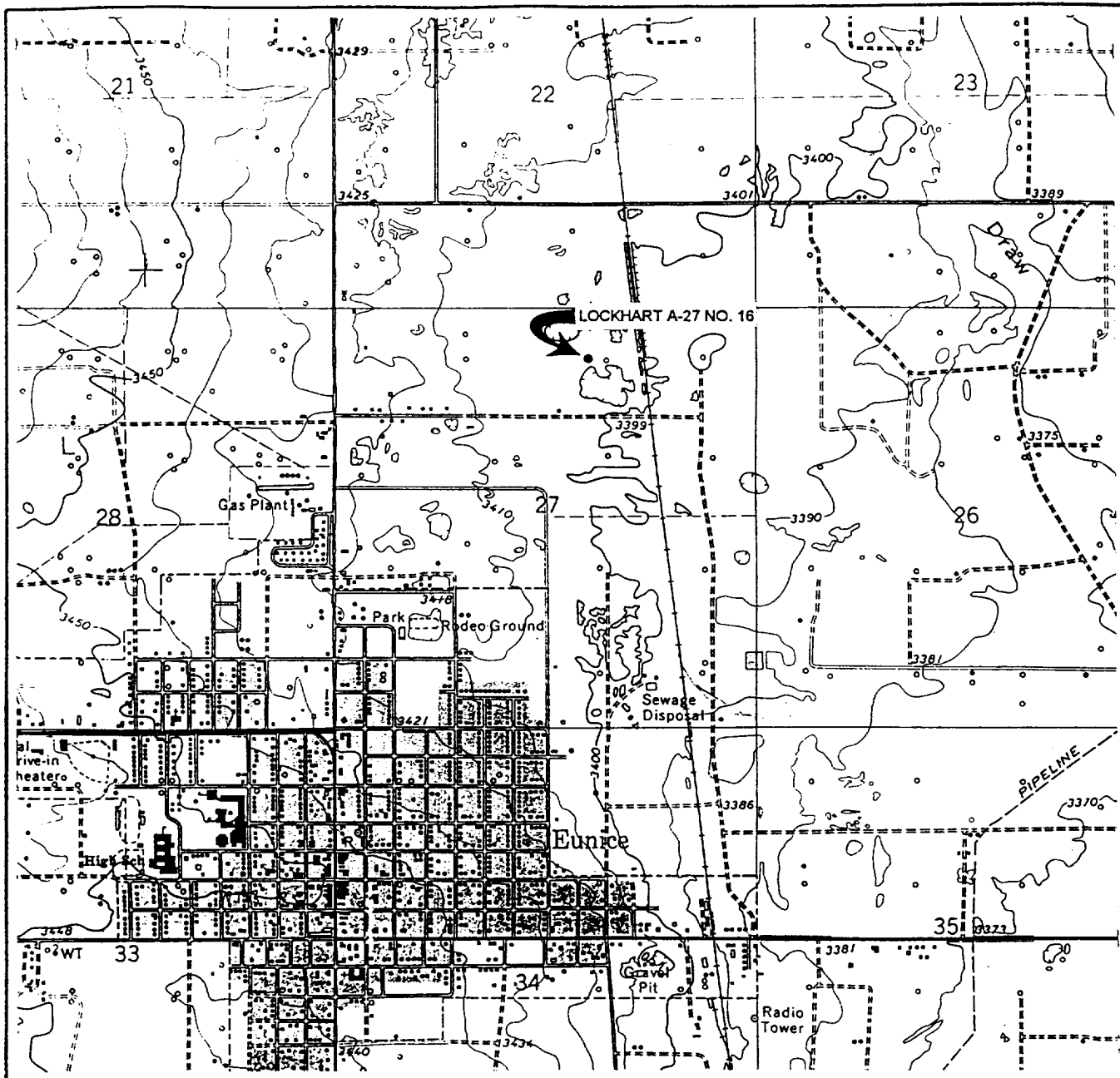
SEC. 27 TWP. 21-S RGE. 37-ESURVEY N.M.P.MCOUNTY LEA STATE NMDESCRIPTION 660' FNL & 2080' FELELEVATION 3404'OPERATOR CONOCO INC.LEASE LOCKHART A-27 NO. 16**WEST TEXAS CONSULTANTS, INC.**

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'
WTC 45075

SEC. 27 TWP. 21-S RGE. 37-E

SURVEY N.M.P.M

COUNTY LEA STATE NM

DESCRIPTION 660' FNL & 2080' FEL

ELEVATION 3404'

OPERATOR CONOCO INC.

LEASE LOCKHART A-27 NO. 16

USGS TOPO MAP
EUNICE, NEW MEXICO

CONTOUR INTERVAL 10'

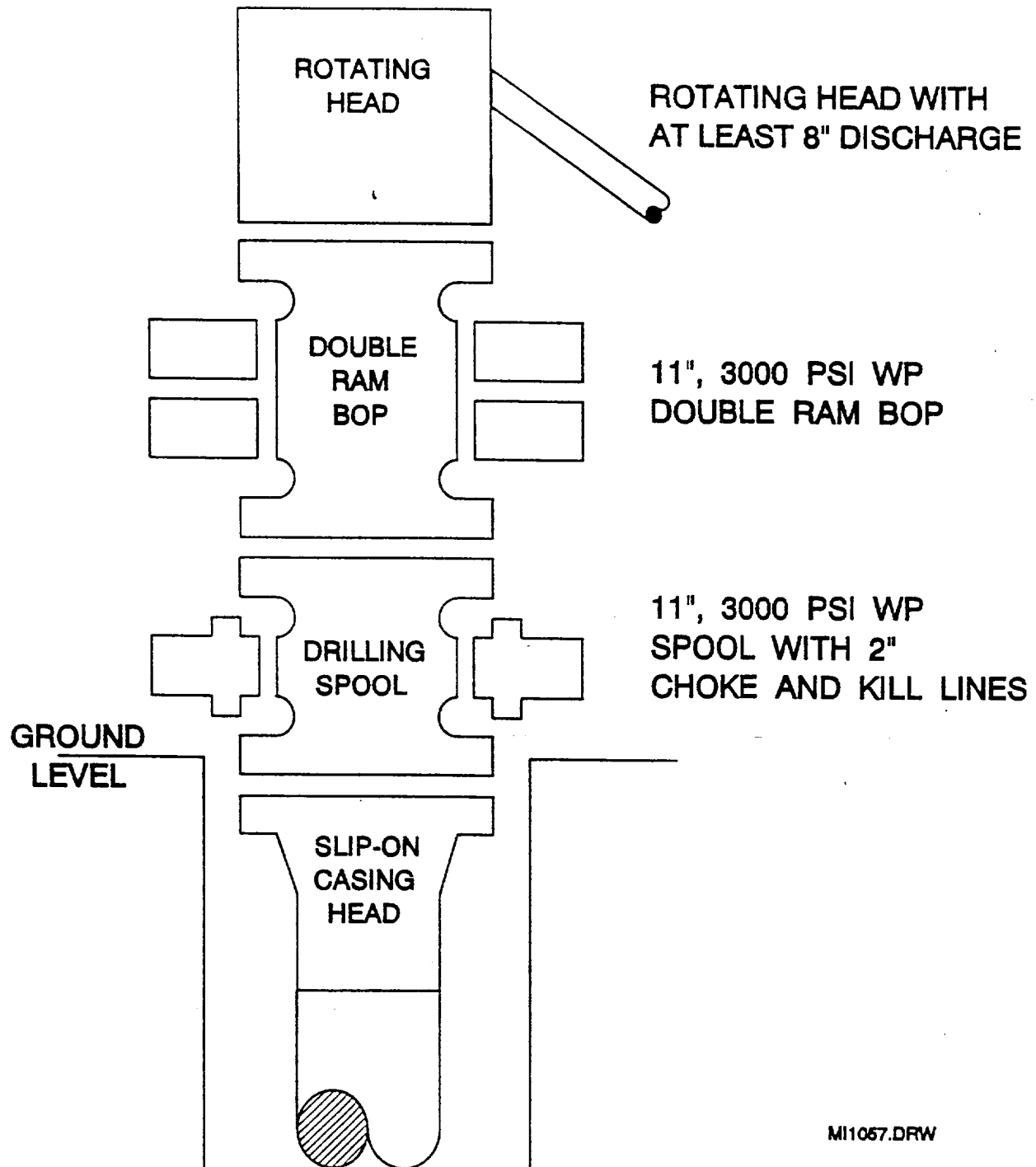
WEST TEXAS CONSULTANTS, INC.

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800

BOP SPECIFICATIONS



MI1057.DRW