

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other inst. on reverse)

50-015-28655/5F  
Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

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

Sonat Exploration Company - Midland

3. ADDRESS OF OPERATOR

110 W. Louisiana, Su. 500, Midland, Texas 79701

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

At surface

330' FWL & 330' FEL of Section 11

At proposed prod. zone

Same

Unit A

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

20 miles east of Loving, New Mexico

15. DISTANCE FROM PROPOSED\*

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

330'

16. NO. OF ACRES IN LEASE

120

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1320

19. PROPOSED DEPTH

9100'

20. ROTARY OR CABLE TOOLS

Rotary

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

3504' Ground Level

22. APPROX. DATE WORK WILL START\*

September 1, 1995

23.

PROPOSED CASING AND CEMENTING PROGRAM

Secretary's Potash

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT*
14 3/4"	11 3/4"	42# WC50	810'	Sufficient to circulate
11"	8 5/8"	24 & 32#J-55	4300'	Sufficient to circulate
7 7/8"	5 1/2"	17# J-55	9100'	2050sx (TIE BACK)

The operator proposes to drill to a depth sufficient to test the Delaware and Bone Springs for oil. Specific programs are outlined in the following attachments:

DRILLING PROGRAM

SURFACE USE AND OPERATING PLAN

EXHIBIT A - ROAD MAP

EXHIBIT B - EXISTING WELL MAP

EXHIBIT B-1 ACCESS ROAD AND FACILITIES MAP

EXHIBIT C - LOCATION AND ACREAGE DEDICATION PLAT

EXHIBIT C-1 TOPO MAP

EXHIBIT D - DRILLING AND RIG LAYOUT

EXHIBIT E - 3M BOP EQUIPMENT

RECEIVED

SEP 20 1995

OIL CON. DIV.  
DIST. 2

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

K. Glenn Carter

TITLE

Sr. Drlg. and Prod. Engr.

DATE

7/28/95  
4/22/95

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

K/FRANK Splendoria

TITLE

Acting State Director

DATE

9-6-95

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

\*See Instructions On Reverse Side

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

## OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-015-28655</b>	Pool Code <b>33745</b>	Pool Name <b>Unders; Ingal Wells; Delaware</b>
Property Code	Property Name <b>LOTOS "11-F" FEDERAL</b>	Well Number <b>1</b>
OGRID No. <b>109487</b>	Operator Name <b>SONAT EXPLORATION CO.</b>	Elevation <b>3504</b>

#### Surface Location

UL or lot No. <b>A</b>	Section <b>11</b>	Township <b>24 S</b>	Range <b>31 E</b>	Lot Idn	Feet from the <b>330</b>	North/South line <b>NORTH</b>	Feet from the <b>330</b>	East/West line <b>EAST</b>	County <b>EDDY</b>
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#### 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 <b>40</b>	Joint or Infill	Consolidation Code	Order No.						

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

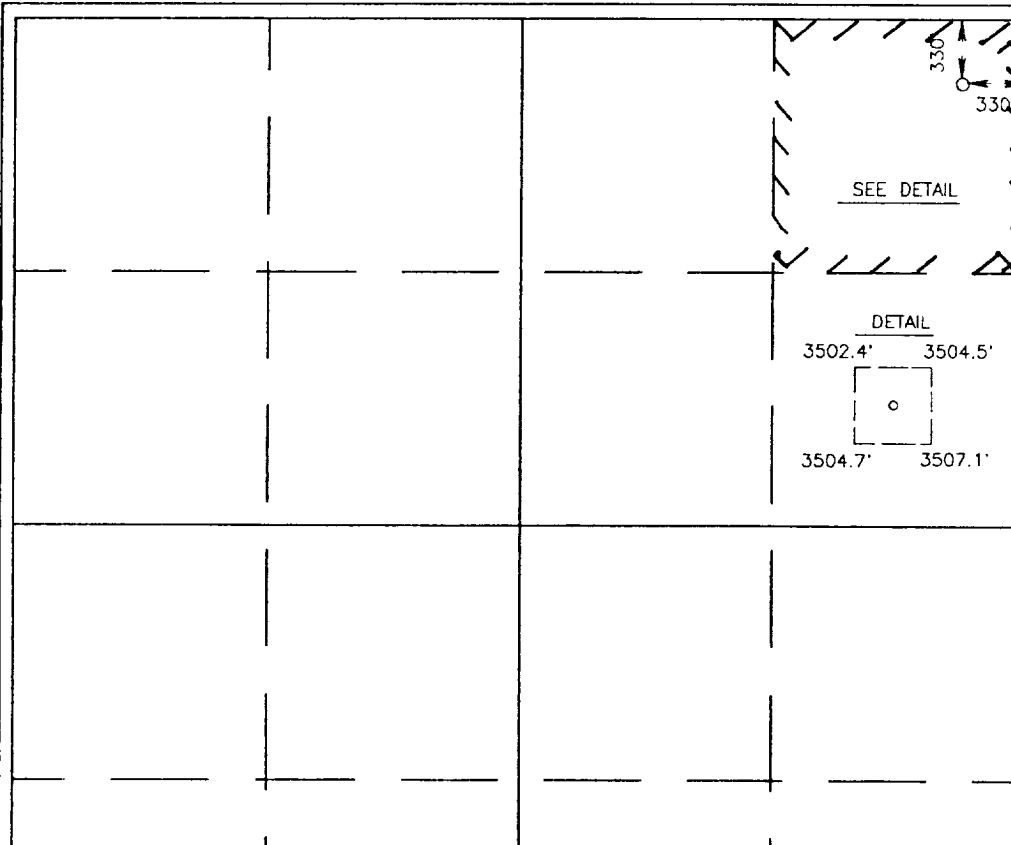


EXHIBIT "C"

LOCATION & ACREAGE DEDICATION PLAT

#### OPERATOR CERTIFICATION

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

K. Glenn Carter  
Signature  
K. Glenn Carter  
Printed Name  
Sr. Drlg. & Prod. Eng.  
Title  
July 22, 1995  
Date

#### 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 belief.

JUNE 27, 1995  
Date Surveyed  
GARY C. EIDSON  
Signature of Professional Surveyor  
12641  
W.O. No. 95-11-1055  
Certificate No. 676  
RONALD J. EIDSON  
GARY EIDSON  
3239  
12641

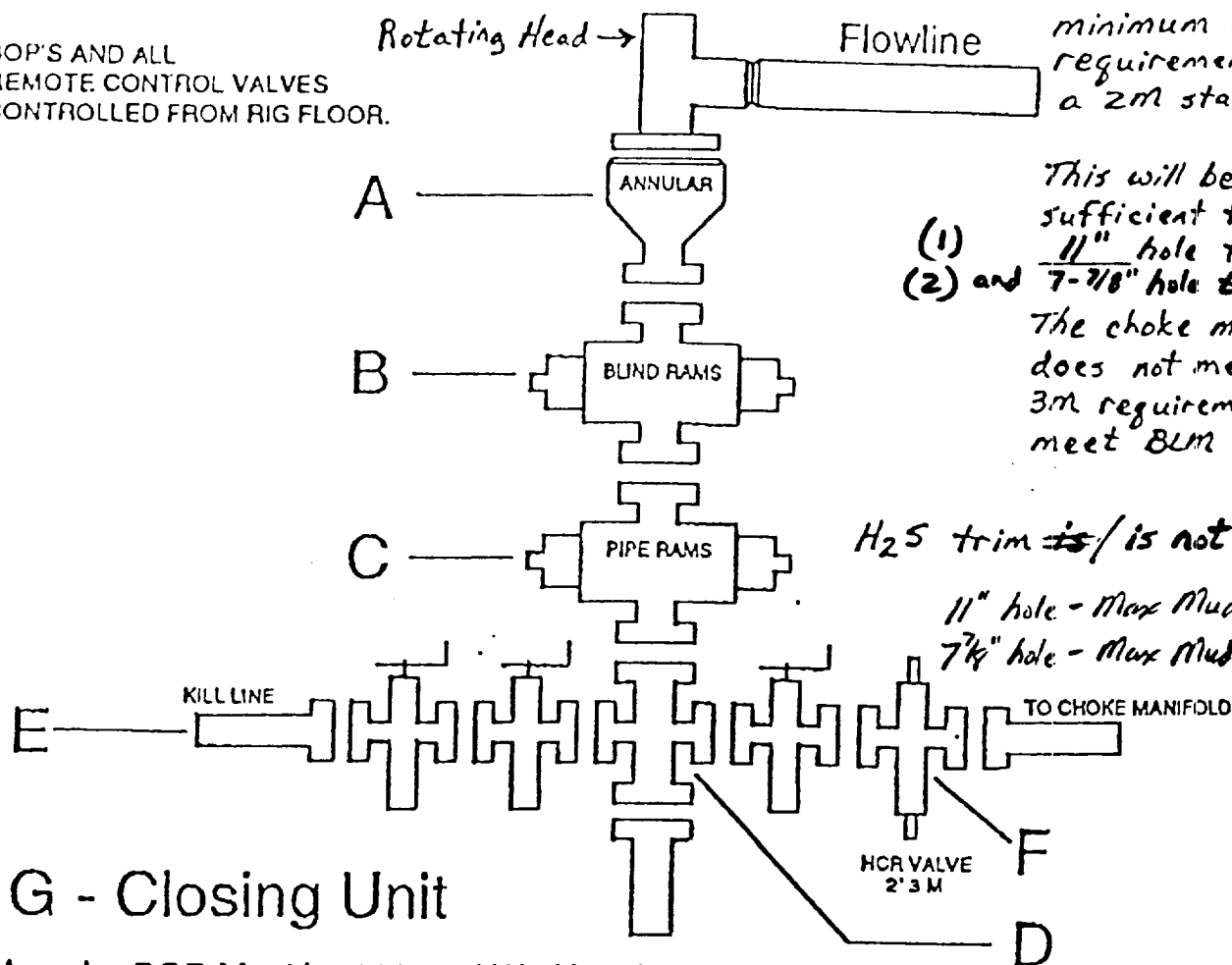
# SOUTH TEXAS BUSINESS UNIT

Minimum Requirements for a 3,000 psi BOP

Stack Manifold & Closing System

- meets the minimum BLM requirements for a 2m stack only.

BOP'S AND ALL REMOTE CONTROL VALVES CONTROLLED FROM RIG FLOOR.



This will be sufficient for the 11" hole to 4300' (1) and 7-7/8" hole to TD.

The choke manifold does not meet all 3m requirements to meet BLM specs.

H<sub>2</sub>S trim ~~is~~ / is not required.

11" hole - Max Mud Wt 10 pp  
7-7/8" hole - Max Mud Wt 8.5 pp

G - Closing Unit

- A. Annular BOP Must be 3000 psi Working Pressure.
- B. Blind Rams Between Annular & Pipe Rams w/ 3000 psi Working Pressure.
- C. Pipe Rams Below Blind Rams w/ 3000 psi Working Pressure.

Note: All Rams & Spools Must Meet Required I.D. for Hole Size.

- D. Drilling Spool w/ 2 Outlets for Choke Line & Kill Line
- E. Kill Line 2" 3 M w/ 2 Manual Valves Bolted & Flanged Below Bottom Pipe Rams. Either a Drilling Spool or the Outlet on the BOP Stack can be Used to Accommodate Kill Line and Choke Line.
- F. Choke Line w/ 2" 3 M Valves. Inside Valve can be Manual but the Outside Valve Must be Hydraulic (HCR). Choke Line Must be 2" 3 M.
- G. Closing Unit (Kookey) w/ a Primary & Secondary Pressure Supply to Operate the BOP Stack. Also a N<sub>2</sub> Supply will be Provided as a Final Source of Operation to Close the BOP Stack. This Unit is Required to Contain a minimum of 1 1/2 Times the Needed Volume to Operate the BOP Stack at All Times. The Precharge of N<sub>2</sub> will be Checked Prior to Commencing Work for SONAT.

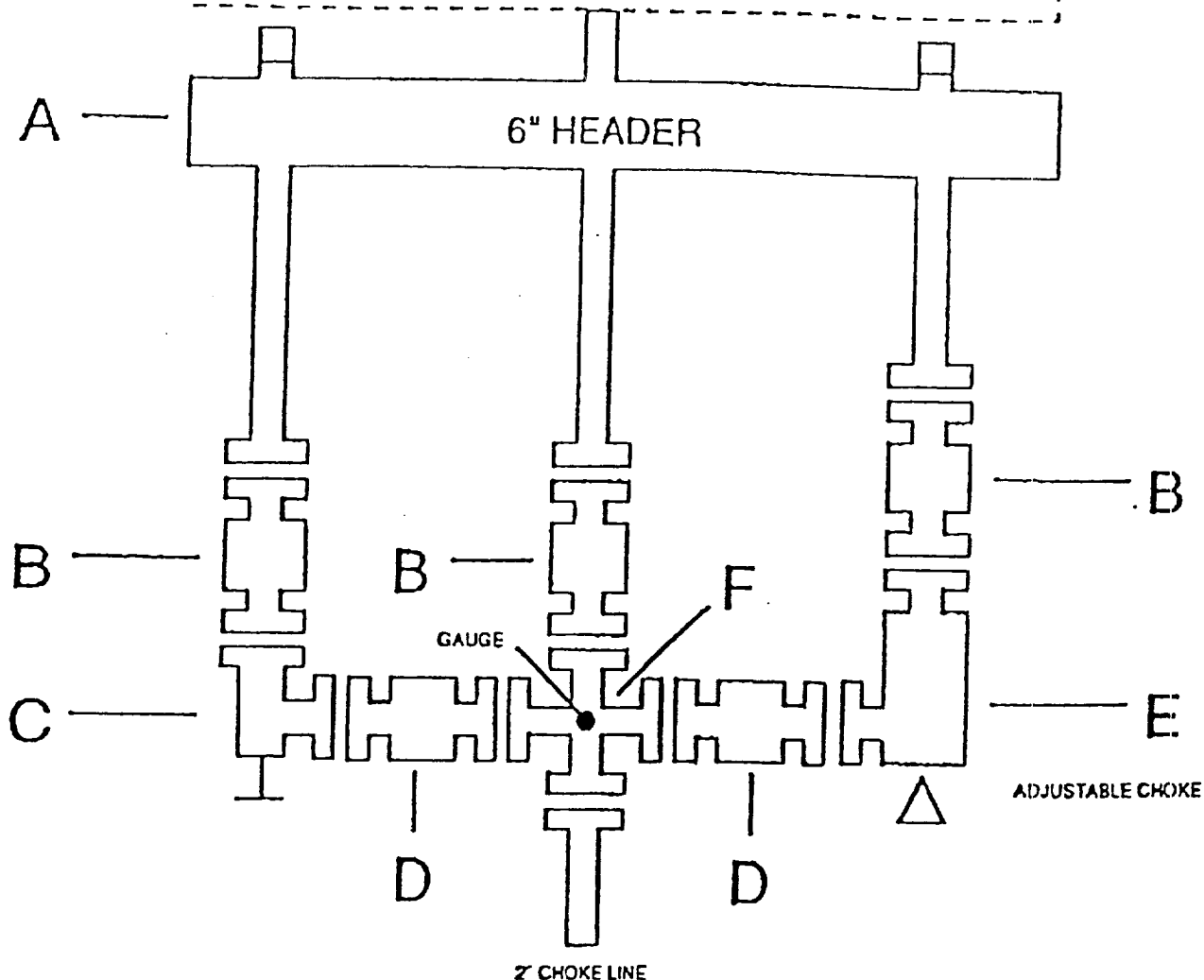
Exhibit C  
Page 2 of 2

# SOUTH TEXAS BUSINESS UNIT

Minimum Requirements for a  
3,000 psi BOP Stack Manifold

- meets requirements  
for a 2M stack only  
as per the BLM  
requirements.

A Gas Buster is Preferred but not  
Necessary on a 3,000 psi System



- A. Header for Gas Expansion 6" O.D. Tube.
- B. 2" 3 M Manual Valves on Down Stream Side of Choke.
- C. 2" 3 M Manual Adjustable or ~~Positive~~ Choke.
- D. 2" 3 M Manual Valve *not authorized*
- E. 2" 3 M Adjustable w/ Remote Station *SJS*
- F. 2" 3 M Tee w/ Gauge in Top Side 2" Choke Line

Note: All Pipe Will be Flanged & Welded. No Screwed Connections.