

NM OIL CONS COMMISSION  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

30-015-28654  
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 109487

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 2310' FSL & 330' FWL of Section 8

At proposed place  
Unit L

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
20 miles east of Loving, New Mexico

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 330'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3550' Ground Level

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
14 3/4"	11 3/4"	42# WC50	670'
11"	8 5/8"	24 & 32# J-55	4300'
7 7/8"	5 1/2"	17# J-55	8800'

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.

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.

SIGNED K. Glenn Carter TITLE Sr. Drlg. and Prod. Engr. DATE 7/18/95

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY FRANK Splendoria TITLE Acting State Director DATE 9-6-95

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

\*See Instructions On Reverse Side

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

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

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

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-015-28654</b>	Pool Code <b>53818</b>	Pool Name <b>Unders. Sand Dunes; Delaware, South</b>
Property Code	Property Name <b>LOTOS FEDERAL</b>	Well Number <b>802</b>
GRID No. <b>109487</b>	Operator Name <b>SONAT EXPLORATION CO.</b>	Elevation <b>3550</b>

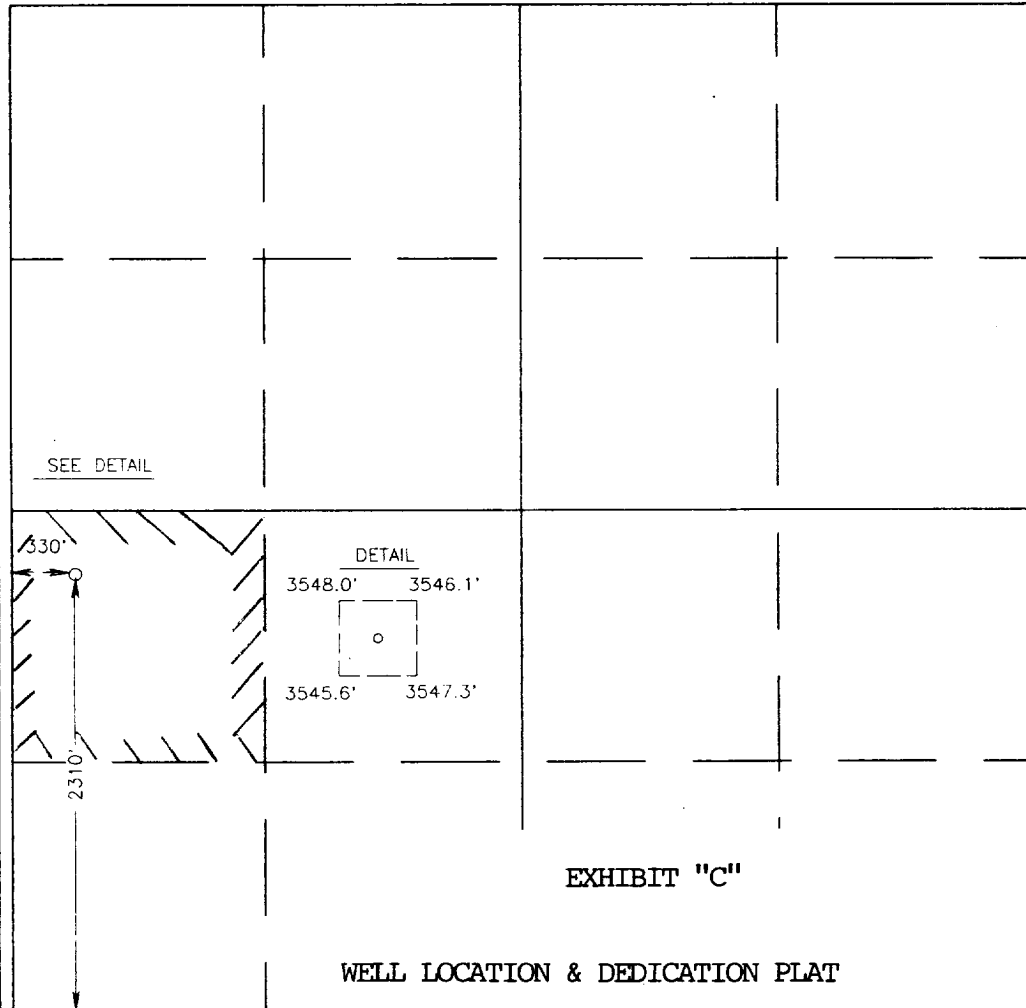
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	8	24 S	31 E		2310	SOUTH	330	WEST	EDDY

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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><u>K. Glenn Carter</u> Signature K. Glenn Carter Printed Name Sr. Drlg. &amp; Prod. Eng Title July 5, 1995 Date</p>
	<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>JUNE 21, 1995 Date Surveyed Signature of Professional Surveyor Professional Surveyor W.O. No. 95-11-0035 Certificate No. 12641</p>

SEE DETAIL

DETAIL

EXHIBIT "C"

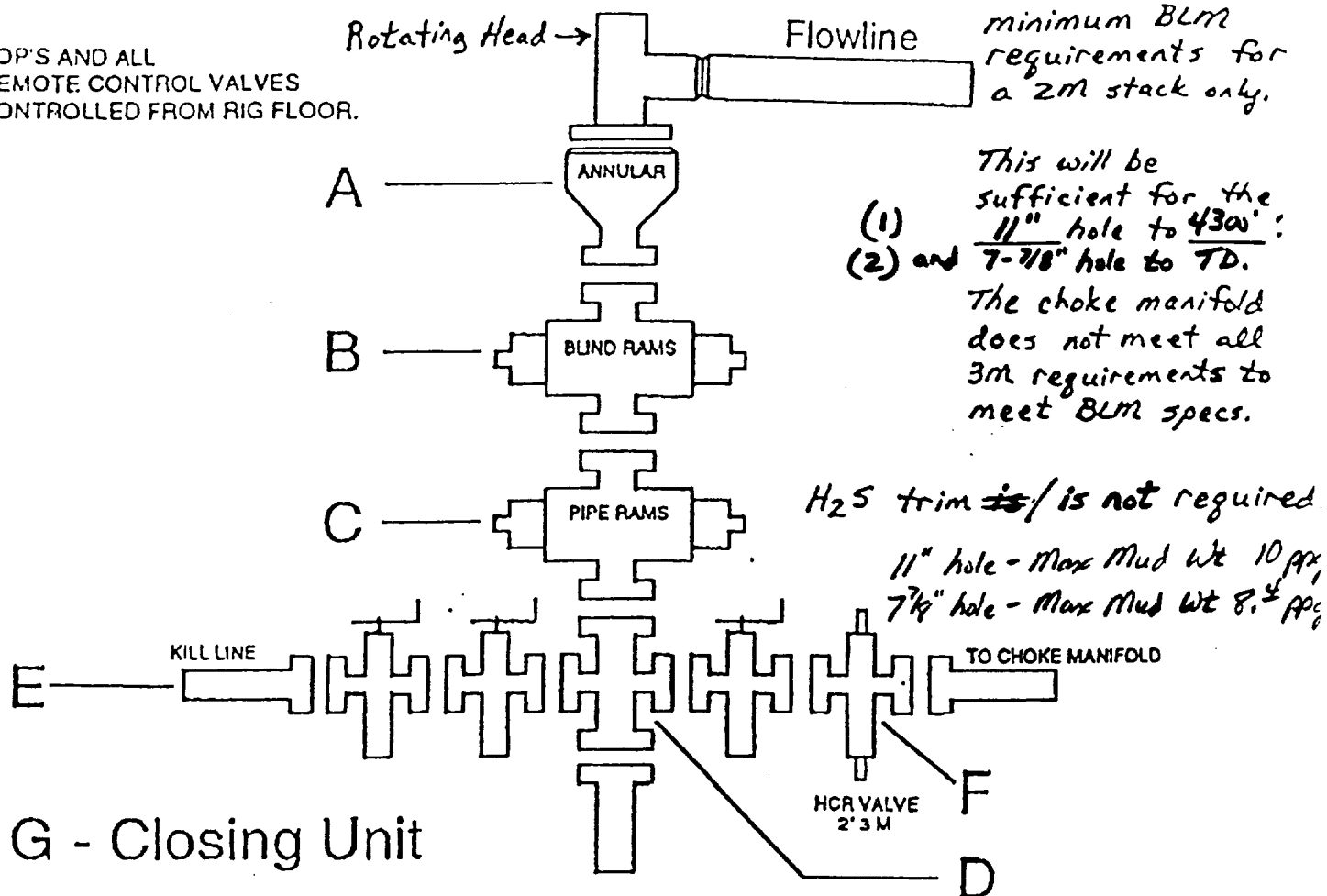
WELL LOCATION & DEDICATION PLAT

# 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.



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 (Koomey) 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.

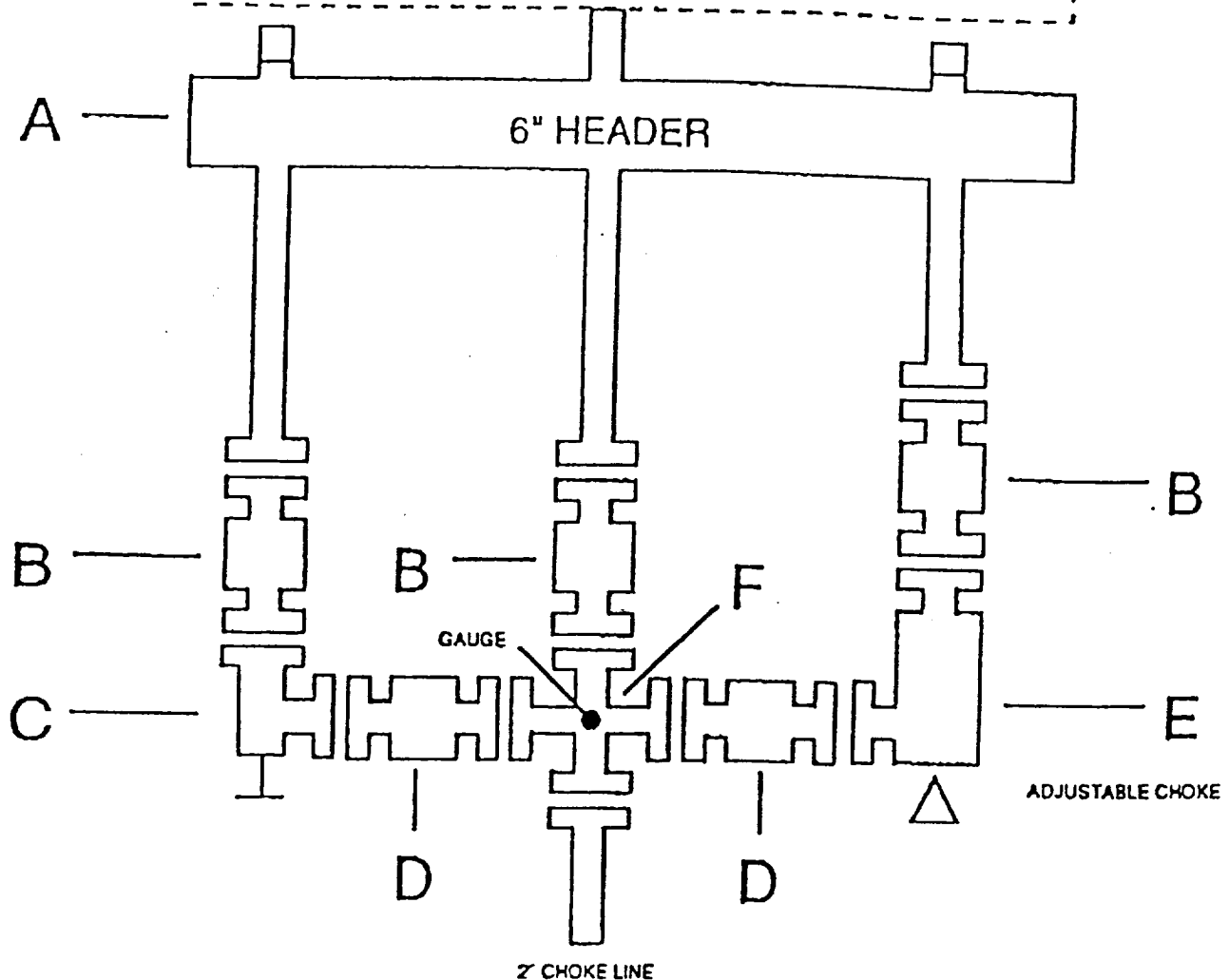
EXHIBIT C  
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# SOUTH TEXAS BUSINESS UNIT

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
- 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.