

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

SUBMIT IN **APPLICATE**  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

30-015-28765 CBF  
OP

**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

1880' FSL & 990' FWL of Section 1

At proposed prod. zone

Same

Unit L

**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 drig. unit line, if any)

990'

**16. NO. OF ACRES IN LEASE**

640

**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.

990'

**19. PROPOSED DEPTH**

8,700'

**20. ROTARY OR CABLE TOOLS**

Rotary

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

3526' Ground Level

**22. APPROX. DATE WORK WILL START\***

December 15, 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	830'	Sufficient to circulate
11"	8 5/8"	24# & 32# J-55	4450'	Sufficient to circulate
7 7/8"	5 1/2"	17# J-55	8700'	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**

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

11/02/95

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Richard A. Whitley

TITLE

Acting STATE Director

DATE

12-14-95

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

\*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.

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>30-015-28765</b>	Pool Code <b>13367</b>	Well Name <b>UNDES COTTON DRAW</b> <b>Wildcat (Delaware/Bone Springs)</b>
Property Code	Property Name <b>SUNDANCE "1" FEDERAL</b>	Well Number <b>4</b>
OGRID No. <b>109487</b>	Operator Name <b>SONAT EXPLORATION COMPANY</b>	Elevation <b>3526</b>

### Surface Location

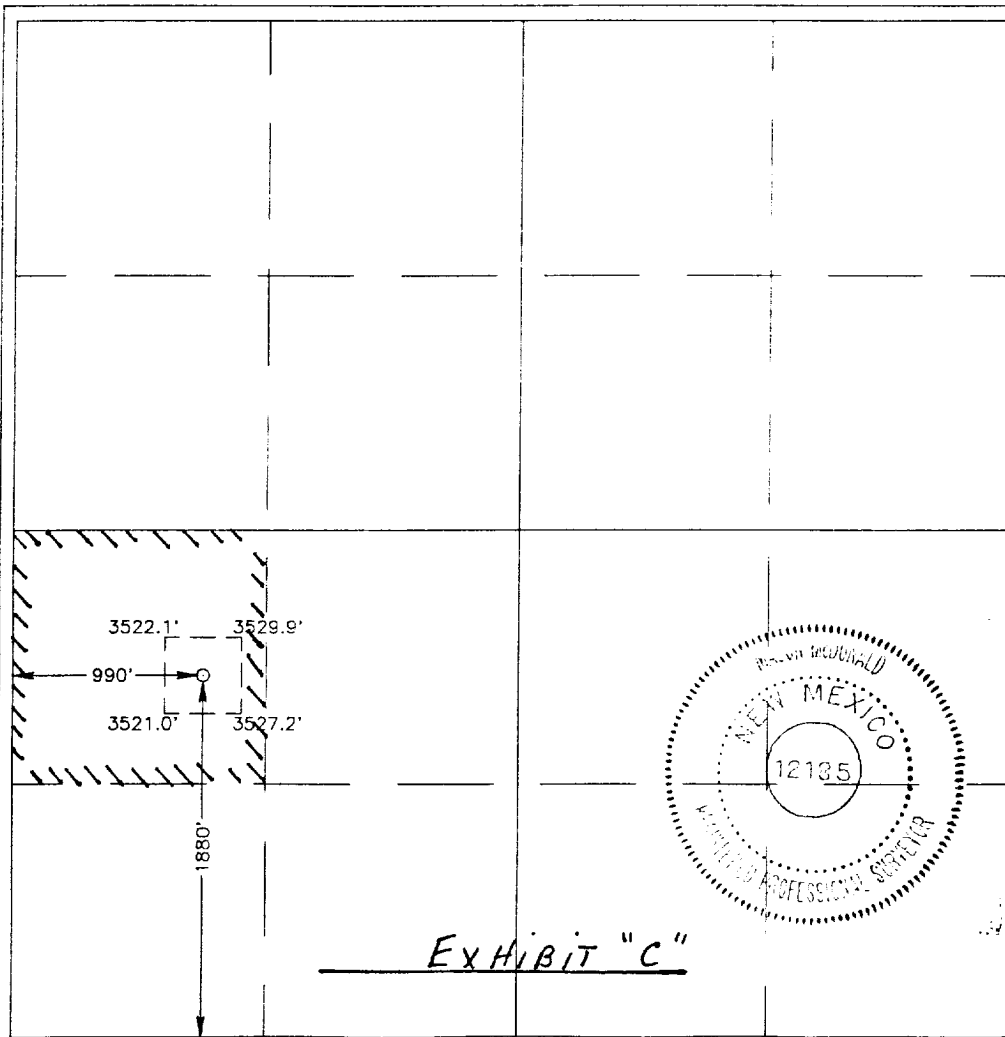
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	1	24 S	31 E		1880	SOUTH	990	WEST	EDDY

### 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	Joint or Infill	Consolidation Code	Order No.
<b>40</b>			

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

	<b>OPERATOR CERTIFICATION</b>  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  <i>K. Glenn Carter</i> Signature <b>K. Glenn Carter</b> Printed Name <b>Sr. Drlg. &amp; Prod. Eng.</b> Title <b>11/1/95</b> Date
<b>EXHIBIT "C"</b>	<b>SURVEYOR CERTIFICATION</b>  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.  <b>OCTOBER 26, 1995</b> Date Surveyed <b>SJA</b> Signature & Seal of Professional Surveyor  <b>W.O. Num. 95-11-1677</b> Certificate No. <b>MACON McDONALD</b> 185 <i>Maccon McDonald</i>

# SONAT EXPLORATION

## West ~~SONAT~~ TEXAS BUSINESS UNIT

### Minimum Requirements for a 3,000 psi BOP Stack Manifold & Closing System

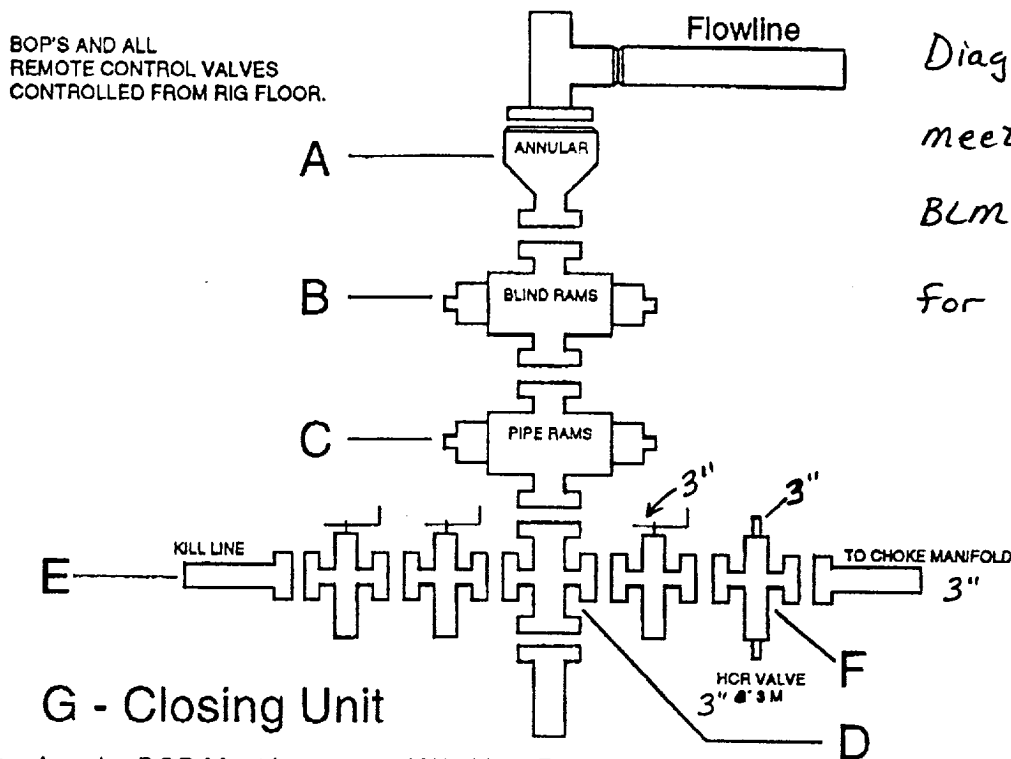


Diagram as shown  
meets the minimum  
BLM requirements  
for a 3M stack.

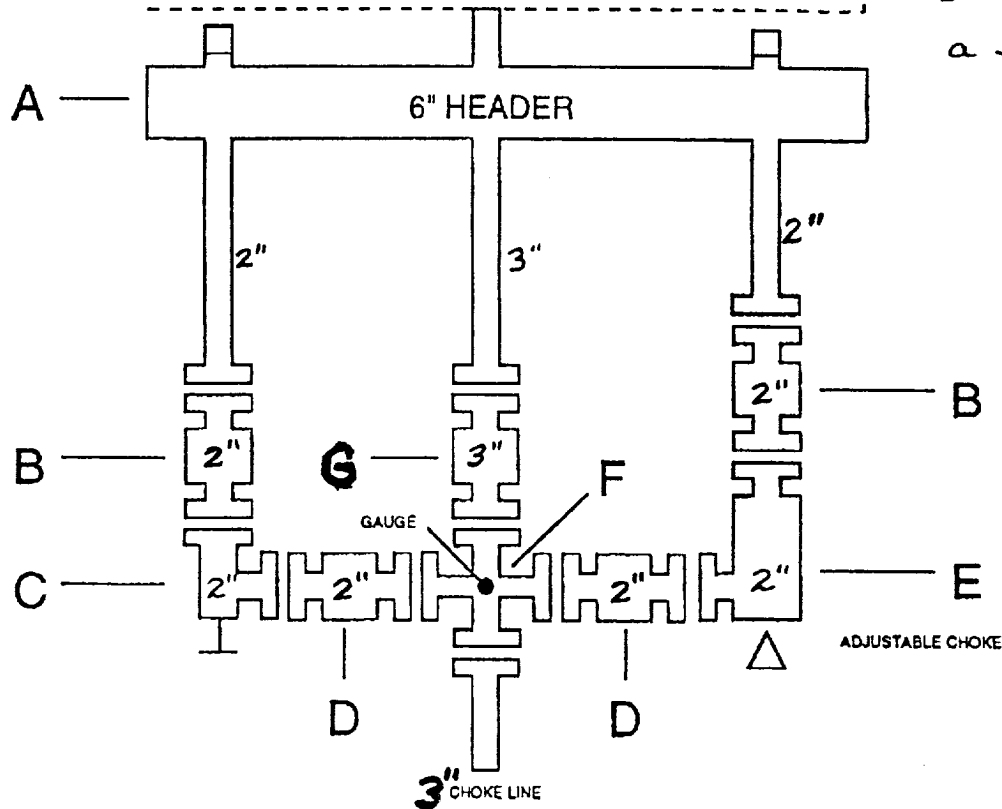
- A. Annular BOP Must be 3000 psi Working Pressure.
- B. Blind Rams Between Annular & Pipe Rams w/ 3000 psi Working Pressure.
- C. Pipe Rams Below Blind Rams w/ 3000 psi Working Pressure.
- Note: All Rams & Spools Must Meet Required I.D. for Hole Size.
- D. Drilling Spool w/ 2 Outlets for Choke Line & 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/ 3" 3 M Valves. Inside Valve can be Manual but the Outside Valve Must be Hydraulic (HCR). Choke Line Must be 3" 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.

**SCNAT EXPLORATION****West ~~TEXAS~~ TEXAS BUSINESS UNIT**

Minimum Requirements for a  
3,000 psi BOP Stack Manifold

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

Diagram as shown  
meets the minimum  
BLM requirements for  
a 3M stack.



- 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
- F. 3" 3 M Tee w/ Gauge in Top Side 3" Choke Line

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

G. 3" 3M Manual Valve