Form 3160-3 (November 1983) (formerly 9-331C)

#### NM OIL CONS COMMISSION Drawer DD NAMED STATES

SUBMIT TRIPLICATE. (Other Lifuctions on reverse side)

Form approved. Budget Bureau No. 1004-01: Expires August 31, 1985

0-015-28745

DEPARTMENT			
DEFARTMENT	Ur	ITIE	INTERIOR

5. LEASE DESIGNATION AND BERIAL NO. BUREAU OF LAND MANAGEMENT NM-29234 APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 1a. TYPE OF WORK DRILL [ DEEPEN [ 7. UNIT AGREEMENT NAME PLUG BACK [ b. TYPE OF WELL WELL X WELL S. FARM OR LEASE NAME 2. NAME OF OPERATOR Sonat Exploration Company - Midland 9. WELL NO. 3. ADDRESS OF OPERATOR 110 W. Louisiana, Su. 500, Midland, Texas 79701 10. FIELD AND POOL OR WILDCAT

WILL CAT 1313 SINK

CUOFCA MP

11. BEC., T., R., W., OR BEK.

AND BURVEY OR AREA 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) 1980' FNL & 1860' FEL of Section 10 At proposed prod. zone Same Sec. 10, T-24S, R31E 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* F2. COUNTY OR PARISH | 13. STATE 20 miles east of Loving, New Mexico Eddy Co. N.M. 15. DISTANCE FROM PROPOSED\*
LOCATION TO NEASEST
PROPERTY OR LEASE LINE, FT 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL (Also to nearest drig, unit line, if any) 1860' 1280 40 18. DISTANCE FROM PROPOSED LOCATIONS 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 120' Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22 APPROX. DATE WORK WILL START Carlsbad Controlled Water Bosin 3484' Ground Level October 31, 1995 PROPOSED CASING AND CEMENTING PROGRAM R-111-P Potash SIZE OF ROLE BIZE OF CARING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 14 3/4" 3/4''42# WC50 650 670' Sufficient to circulate 11" 8 5/8" 24#J-55 410014300 Sufficient to circulate 7 7/8<mark>"</mark> |17# N-80,S-95 2400sx 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 12-15-95 New-Loc + API EXHIBIT A - ROAD MAP EXHIBIT B - EXISTING WELL MAP EXHIBIT C - LOCATION AND ACREAGE DEDICATION PLAT rr: EXHIBIT C-1 TOPO MAP East 1 EXHIBIT D - DRILLING AND RIG LAYOUT Grace Acquirements and EXHIBIT E - 3M & 5M BOP EQUIPMENT Special Stipulations Attached ث IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone 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. Sr. Drlg. and Prod. Engr. State Director DATE NOV 2 1995

### State of New Mexico

Energy, Minerals and Natural Resources Depart

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

% **№ 0. W**um. 95 <del>- 1393</del>

676 3239 12641

Certificate No. 10th W. WEST THE COUNTY OF THE PROPERTY EIDSON

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

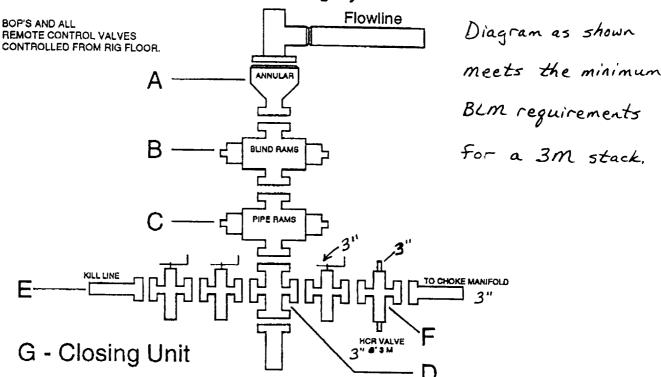
#### OIL CONSERVATION DIVISION

P.O. Box 2088

DISTRICT IV	'A FE, N.M. 87	504-2088		Santa F	e, New Mexic	eo 87504-2088		□ AMENDE	O REPOR	
			WELL LO	CATION	AND ACREA	AGE DEDICATI	ON PLAT			
API Number 30-015-28745			1	Pool Code		Wildcat Bis Sink; Wolfcamp erty Name Well Number				
Property			Property LOTOS "10"			EDERAL	Well Number			
ogrid no. 109487				SON	Operator Nam AT EXPLORAT		Elevation 3484			
	T	T			Surface Loca	ation				
UL or lot No.	Section 1()	Township 24 S	Range 31 E	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
	, <u>.</u>		Bottom	Hole Lo	cation If Diffe	rent From Sur	face	<u> </u>	<del></del>	
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Dedicated Acre	s Joint o	r Infill Co	nsolidation	Code Or	der No.					
NO ALLO	OWABLE W	OR A 1	SSIGNED NON-STAN	TO THIS	COMPLETION U	UNTIL ALL INTER APPROVED BY	OPERATO	EEN CONSOLID  OR CERTIFICA  Ty certify the the tr	TION	
						1860'	signature  K. Glenn  Printed Nam  Sr. Drlg  Title  9/26/95  Date	n is true and composited whedge and belief.  Lon Carter  Carter	lete to the	
							on this plat we actual surveys supervison, an correct to the	that the well locate as plotted from field made by me or and that the same is a best of my belief	d notes of under my true and	

## West SEEDS TEXAS BUSINESS UNIT

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

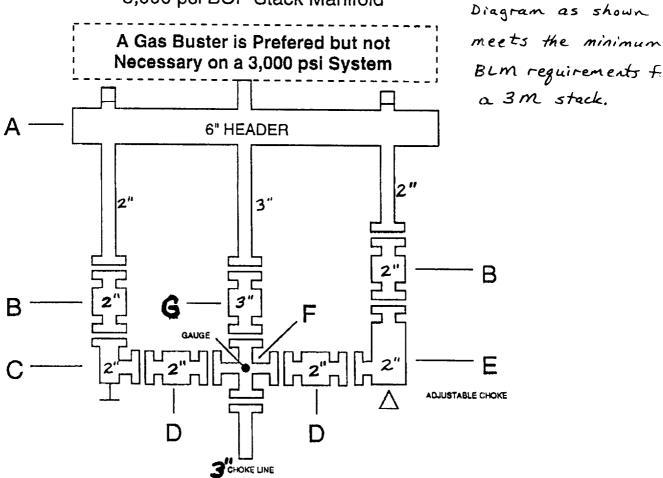


- A. Annular BOP Must be 3000 psl Working Pressure.
- B. Blind Rams Between Annular & Pipe Rams w/ 3000 psi Working Pressure.
- C. Pipe Rams Below Blind Rams w/ 3000 psi Working Pressure.
  Note: All Rams & Spools Must Meet Required I.D. for Hole Size.
- D. Drilling Spool w/ 2 Outlets for Choke Line & 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 (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.

Page 1 of 2

## West TEXAS BUSINESS UNIT

Minimum Requirements for a 3,000 psi BOP Stack Manifold



- 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/ Guage in Top Side 3 Choke Line

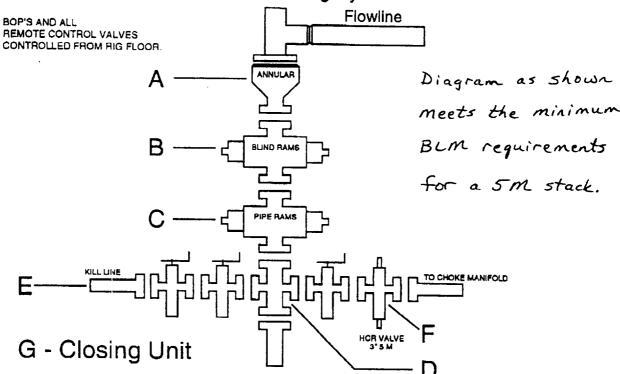
Note: All Pipe Will be Flanged & Welded. No Screwed Connections.

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G. 3" 3m Manual Valve

# West STATE TEXAS BUSINESS UNIT

Minimum Requirements for a 5,000 psi BOP Stack Manifold & Closing System



- A. Annular BOP Must be 5000 psi Working Pressure.
- B. Blind Rams Between Annular & Pipe Rams w/ 5000 psi Working Pressure.
- C. Pipe Rams Below Blind Rams w/ 5000 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" 5M 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 ' 5 M Valves. Inside Valve can be Manual but the Outside Valve Must be Hydraulic (HCR). Choke Line Must be 3 \* 5 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 Contractor Commencing Work for SONAT.

# West TEXAS BUSINESS UNIT

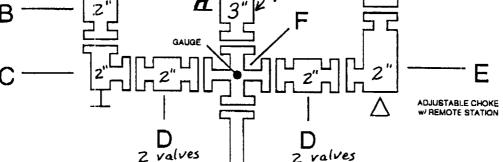
Minimum Requirements for a 5,000 psi BOP Stack Manifold

A Gas Buster is Necessary and Must be 16" O.D. x 14' Tall.

A Flare Line to Vent the Gas Away from Rig is Needed.

A G" HEADER

Diagram as shown neets the minimum BLM requirement BLM requirement BLM requirement BLM states as the states of the minimum BLM requirement BLM



A. Header for Gas Expansion 6" O.D. Tube.

B. 2" 5 M Manual Valves on Down Stream Side of Choke.

C. 2" 5 M Manual Adjustable or Positive Choke.

D. 2" 5 M Manual Valve (2 valves on each side of cross)

E. 2" 5 M Adjustable w/ Remote Station

F. 3 5 M Tee w/ Gauge in Top Side 3" Choke Line

G. Gas Buster 14" O.D. x 12' tall w/ Flare Line to Vent Gas Away from Rig.

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

H. two 3"5M manual valves