	1. 1.				30-015-2865245F	
Form 3160-3 (November 1983) (formerly 9-331C)		TED STATES			Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985	
	DEPARTMENT OF THE INTERIOR				5. LEASE DESIGNATION AND BEEIAL NO.	
BUREAU OF LAND MANAGEMENT					NM-69369	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
D. TYPE OF WELL		DEEPEN		BACK 🗌	7. UNIT AGREEMENT NAME	
OIL GAS SINGLE MULTIPLE   WELL WELL OTHER SINGLE MULTIPLE   2. NAME OF OPERATOR OTHER ZONE ZONE					8. FARM OR LEASE NAME	
Sonat Exploration Company - Midland 109487					Sotol Federal 16322	
3. ADDRESS OF OPERATOR					4	
110 W. Louisiana, Su. 500, Midland, Texas 79701 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 660' FSL & 660' FWL of Section 1					10. FIELD AND POOL, OR WILDCAT Undes. Mesa Verde; Delanare 11. BEC., T., E., M., OR BLK. AND BURVEY OR AREA 96191	
At proposed prod. zone $()_{n} \to \lambda$						
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*					Sec. 1, T-24S, R31E 12. COUNTY OR PARISH   13. STATE	
	les east of Lov				Eddy Co. N.M.	
15. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE 1	T LINE, FT.	1	6. NO. OF ACRES IN LEAS		F ACRES ASSIGNED	
(Also to nearest dr.) 18. DISTANCE FROM FBOI	g. unit line, if any) (	60'	640 9. PROPOSED DEPTH 20. BOTAR		40	
TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320			9150'		Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.)					22. APPROX. DATE WORK WILL START*	
3517' Ground Level					September 30, 1995	
PROPOSED CASING AND CEMENTING PROGRAM					cretary's Potash	
SIZE OF HOLE	BIZE OF CABING	WEIGHT PER FOOT			QUANTITY OF CEMENT	
<u> </u>	<u>11 3/4"</u> 8 5/8"	<u>42# WC50</u> 24 & 32#J-5	<u>830'</u> 5 4450'		Sufficient to circulate	
7 7/8"	5 1/2"	17# J-55	9150'		ficient to circulate Dsx(TIE BACK)	
DRILLING PRO SURFACE USE A EXHIBIT A - H EXHIBIT B - H EXHIBIT B-1 A EXHIBIT C - I EXHIBIT C - I EXHIBIT C - I EXHIBIT D - I EXHIBIT E - 3	GRAM AND OPERATING P. ROAD MAP EXISTING WELL M ACCESS ROAD AND LOCATION AND ACC OPO MAP ORILLING AND RIC BM BOP EQUIPMENT PROFOSED PROGRAM: If p fill or deepen directional Commentational Commentation of the sector of the sector and the sector of the sect	LAN AP FACILITIES M REAGE DEDICAT G LAYOUT T roposal is to deepen of ly, give pertinent dat	AP TION PLAT ON or plug back, give data o a on subsurface location Sr. Drlq. and 1	ECEIV SEP 2019 L CON DIST.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
APPROVED BY S C CONDITIONS OF APPROVAT	Ibert J Lu , IFANY:		<u>torulg STA</u> ns On Reverse Side	( S	CTIL 9-12-95 APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS NTACHED	
Title 18 U.S.C. Section 1 United States any false,	001, makes it a crime fictitious or fraudulent	for any person know	vingly and willfully to	make to any do	partment or agency of the signification.	

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

DISTRICT II P.O. Drawer DD, Artesia, NM 86211-0719

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

D AMENDED REPORT

## API Number Pool Code Pool Name 96191 30-015-28652 Mesa Verde : Dela ware Undes. **Property** Code **Property** Name Well Number SOTOL FEDERAL 4 OGRID No. Operator Name Elevation 109487 SONAT EXPLORATION CO. 3517 Surface Location UL or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County 1 24 S M 31 E 660 SOUTH 660 WFST 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. 40 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 LOT 4 LOT 3 LOT 2 LOT 1 OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. 39.95 ACRES 39.96 ACRES 39.98 ACRES 39.99 ACRES Signature K. Glenn Carter Printed Name Sr. Drlg. & Prod. Engr. Title July 22, 1995 Date SURVEYOR CERTIFICATION I hereby certify that the well location shown DETAIL on this plat was plotted from field notes of 3515.6' actual surveys made by me or under my 3520.4 supervison, and that the same is true and correct to the best of my belief. 0 JUNE 20, 1995 3517.7 3522.9 DMCC EN SEE DETAIL 660'-EXHIBIT "C" Nur 0998 Certifica Certion JOHN J. WEST LOCATION & ACREAGE DEDICATION PLAT 676 Manna FORME 3239 12641



- 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 Botted & 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.

Page 1 of 2



- 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 Positive Choke.
- D. 2".3 M Manual Valve
- E. 2" 3 M Adjustable w/ Remote Station
- F. 2" 3 M Tee w/ Guage in Top Side 2" Choke Line

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

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SJS)