Form 3160-3 (July 1992)		ARTMEN	OIL CONSEF 811 S. 1st ST ARTESIA, NM TED STATES T OF THE II	1 882 NTER	10-28350BMIT IN T (Other Instru reverse i	uctions on	OMB NO. 1004-0136 Expires: February 28, 1995 5. LEASE DEBIGNATION AND BERIAL NO.	
A					··· ··································		0. IF INDIAN, ALLOTTES OR TRIBE NAME	
AF 1a. TYPE OF WORK b. TYPE OF WELL		N FOR P	DEEPEN [		OR DEEPEN	بالم المعلم المسلم ا المسلم المسلم المسلم المسلم المسلم	7. UNIT AGREEMENT NAME	
WELL							S. FARM OR LEASE NAME, WELL NO.	
2. NAME OF OPERATOR JOL 0 Sonat Exploration Company 109487						Ú,	Sotol "A" Federal # 4	
3. ADDRESS AND TELEPHONE NO. 110 W. Louisiana, Su. 500, Midland, Texas 79701 4. LOCATION OF WELL (Report location clearly and in accordance with any State regulirements.*)							30 015-29073 10. FIELD AND POOL, OF WILDCAT	
At surface 2030' FNL & 660' FWL of Section 12							MESA VERDE (Delawave) 11. SBC., T., B., M., OB BLE. ) AND SUBVEY OF AREA	
At proposed pro	Same	U,	NIT E				Sec. 12, T-24S, R31E	
14. DISTANCE IN M.							12. COUNTY OR PARISH 13. STATE	
15. DISTANCE FROM		ast of L	oving, New I		OF ACRES IN LEASE	17. NO. 0	Eddy Co. N.M.	
LOCATION TO NE PROPERTY OR LE	ABEST ASE LINE, FT.		660'		160		AIS WELL 40	
18. DISTANCE FROM	t drlg. unit line. PROFOSED LOCAT	ION*		19. PRO	POSED DEPTH	20. BOTA	4U TT OR CABLE TOOLS	
OR APPLIED FOR, C	LL, DRILLING, CO In This Lease, FT	•	1320'		8,700'		Rotary	
21. ELEVATIONS (Sho					Secretary's P	016517	22. APPROX. DATE WORK WILL START*	
23.	524' Grour	nd Level					2nd quarter -1996	
					CEMENTING PROGRA	M		
SIZE OF ROLE		ZE OF CASING	WEIGHT PER FOO		BETTING DEPTH		QUANTITT OF CEMENT	
<u> </u>		<u>3/4"</u> 5/8"	<u>42# WC</u> 23# M-		<u>400'</u> 4,300'		<u>Sufficient to circulate</u> Sufficient to circulate	
7 7/8"		1/2"	17 & 15.5#		8,700'	2150sx - SEE STIPS.		
DRILLIN SURFACE EXHIBIT EXHIBIT EXHIBIT EXHIBIT EXHIBIT	for oil. G PROGRAM USE AND C A - ROAD B - EXIST C - LOCAT C-1 TOPO D - DRILL E - BOP E	Specific PERATING MAP TING WELL TION AND MAP JING AND QUIPMENT	programs an PLAN MAP ACREAGE DEDI RIG LAYOUT	re ou ICATI	on plat Interaction Interal Requirem Interal Stipulation Itteched	follow:	new productive zone. If proposal is to drill or	
24. BIGNED K. (This space for	Federal or State	office use)	TITI.	<u>. Sr</u>	. Drlg. and Pr	cod. Eng	II. date <u>5/17/96</u>	
PERMIT NO				A	PPROVAL DATE			
Application approval CONDITIONS OF APP	does not warrant or ROVAL, IF ANY:	certify that the app			~ ·		uld entitle the applicant to conduct operations thereon.	
APPROVED BY	ink ple	morrier	me	cti-	E TORE WYCC	লে	DATE	

*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	y department or ag	ency of the

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

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

DISTRICT IV P.O. BOX 2068, 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

G AMENDED REPORT

## API Number Pool Code Pool Name 96191 30-015-29073 MESA VERDE (DELAWARE) **Property** Code Property Name SOTOL "A" FEDERAL Well Number 4 OGRID No. **Operator** Name Elevation 109487 SONAT EXPLORATION CO. 3524 Surface Location UL or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County Ε 12 24 S 31 F 2030 NORTH 660 WEST EDDY Bottom Hole Location If Different From Surface UL or lot No. Section . Lot Idn Feet from the North/South line Township Range Fest-from the East/West line County •. • Dedicated Acres **Consolidation** Code Joint or Infill 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 **OPERATOR CERTIFICATION** I hereby certify the the information ntained herein is true and complete to the of my knowledge and belief. 2030' K. Slem Co Signature K. Glenn Carter Printed Name EXHIBIT "C" Sr. Drlg. & Prod. Engr. Title 660' + 5/17/96 SEE DETAIL Date SURVEYOR CERTIFICATION I hereby certify that the well location shown 3524.9\* on this plat was plotted from field notes of actual surveys made by me or under my 3525.1 supervison, and that the same is true and correct to the best of my bekaf. 3525.4 3524 DETAIL MAY 3, 1996 DMCC Date 07-96 676 32.39 ROFESER In Mannaw 12641

WELL LOCATION AND ACREAGE DEDICATION PLAT

Exhibit E Page 1 of 2

## SONAT EXPLORATION

West SOUDD 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



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

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

Page 2 of 2

G. 3" 3m Manual Valve