<u>~</u>		OIL CONSERVAT 811 S. 1st ST.	ION DIV			,	
Form 3160-3		ARTESIA, NM 88	FORM APPROVED				
(July 1992)	-	TED STATES	(Uther Instr reverse	00 8	OMB NO. Expires: Febr		
	DEPARTMEN BUREAU OF		5. LEASE DESIGNATION AND BERIAL NO. NM-69369				
		6. IF INDIAN, ALLOTTER OR TRIBE NAME					
1a. TYPE OF WORK							
b. TYPE OF WELL	RILL 🗵		7. UNIT AGREEMENT NAME				
OIL X WELL X 2. NAME OF OPERATOR	GAE WELL OTHER	8 24		8. FARM OR LEASE NAME, WELL NO. Sotol Federal # 8			
	Exploration Com	pany 1/2	9487		9. API WELLING	<u> </u>	
3. ADDRESS AND TELEPHONE N	10.				30001	5-29071	
4. LOCATION OF WELL (. Louisiana, Su. Report location clearly and	10. FIBLD AND POOL, (MESA VERN	DE WILDCAT 96191				
At surface 9	90'FSL & 1650'	e a	11. SBC., T., B., M., OR BLH. AND SUBVEY OR AREA				
At proposed prod. s Sam	•	6	Sec. 1, T-24S, R31E				
14. DISTANCE IN MILES	AND DIRECTION FROM NEA			ONV.	12. COUNTY OR PARISH	•	
20 15. DISTANCE FROM PRO	miles east of L		OF ACEES IN LEASE	117 10 0	Eddy Co.	N.M.	
LOCATION TO NEARE PROPERTY OR LEASE	8T		40				
18. DISTANCE FROM PRO TO NEAREST WELL,	DPOSED LOCATION* Drilling, Completed,		640	20. BOTAI	ET OR CABLE TOOLS		
OR APPLIED FOR, ON T 21. ELEVATIONS (Show w	this LEASE, FT.	1650'	8,700'	<u> </u>	Rotary	E WILL START	
	0' Ground Level		· · · · · · · · · · · · · · · · · · ·		2nd qu	arter -1996	
23.		PROPOSED CASING AND	CEMENTING PROGRA	м			
812E OF HOLE 14 3/4"	ORADE, SIZE OF CASING	WEIGHT PER FOOT BETTING DEPTH			QUANTITY OF CEMENT Sufficient to circulate		
<u> </u>	8 5/8"	<u>42# WC-40</u> 23# M-50	<u>400'</u> 4300'		Sufficient to circulate		
7 7/8"	5 1/2"	17 & 15.5#J-5	5 8,700'	21	150sx		
				•			
	tor proposes to					~	
	or oil. Specific	programs are or) 4τ		5.	
DRILLING I	PROGRAM SE AND OPERATING	ΣΓ ΑΝΙ	Pa	n + k			
	- ROAD MAP		1	8-9-7	D-1 = 76 = 7 API -	· · · · · · · · · · · · · · · · · · ·	
	- EXISTING WELL - LOCATION AND		CON DIAT	- Loe	+ HPL -	· · · · · · · · · · · · · · · · · · ·	
	-1 TOPO MAP	ACKEAGE DEDICAL					
EXHIBIT D							
EXHIBIT E	- BOP EQUIPMENT						
IN ABOVE SPACE DESCRI	BE PROPOSED PROGRAM: If	roposal is to deepen, give data	on present productive zone a	and proposed (new productive zone. If pro	oposal is to drill or	
deepen directionally, give per 24.	tinent data on subsurface location	s and measured and true vertical	depths. Give blowout prever	nter program, i	f any.		
BIGNED K, Z	Herm Cartin		Sr. Drlg. and H	Prod. Er	ngr. DATE 5/1'	7/96	
(This space for Fede	eral or State office use)						
PERMIT NO.			PPROVAL DATE				
Application approval does CONDITIONS OF APPROVA	not warrant or certify that the app L, IF ANY:	icant holds legal or equitable title	to those rights in the subject l	ease which wou	uld entitle the applicant to con	duct operations thereon.	
APPROVED BY	ndi Splender	a MR Art	- State I	reste	DATE UL 16 19	36	
		*See Instructions C	On Reverse Side				
Title 18 U.S.C. Section	n 1001, makes it a crime	for any person knowing	ly and willfully to ma	ke to any d	department or agency	of the	

DISTRICT 1 P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II P.O. Drawer DD, Artesia, NM 58211-0719

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, Minerais and Natural Resources Departmen

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

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WELL LOCATION AND ACREAGE DEDICATION PLAT

	Number	Pool Code 9071 96191					Pool Name						
30-015-29071 9 Property Code				Property Name				DE (Delaware)					
		SOTOL FEDERAL					Well Number 8						
ogrid no. 109487									Elevation				
109	407	L	SONAT EXPLORATION CO.					3540					
Surface Location UL or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County													
0	Section 1	24 S	Range 31 E	Lot idn	Feet from the	f		Feet from the	East/West line	County			
		24 3						1650	EAST	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/Vest line County													
	Secuon	lownsnip	Range	Lot Idn	Feet from the	North/Sou	th line	Feet from the	East/West line	.County			
Dedicated Acre	Joint or	r Infill Con	solidation (Code Ord	ler 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			· · · · · · · · · · · · · · · · · · ·		τ 2			7					
LOT 4 LOT 3			LU	2	LOT 1		OPERATOR CERTIFICATION						
39.95 ACRES 39.96		39.96 AC	RES	39.98 ACRES		39.99 ACR	ES	I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <u>K. Glern Carter</u> Printed Name <u>Sr. Drlg. & Prod. Engr.</u> Title <u>5/17/96</u> Date					
E	= Exhibit	<u>"с"</u>	_	3541.9' - <u>Di</u>		1650'		on this plat was actual surveys of supervison, and correct to the MA Date Surveys Signature to Protection at S	Y 3, 1996				

Exhibit E Page 1 of Z

SONAT EXPLORATION

West S



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. Plpe 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 N₂ 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 N₂ 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 C. 2° 4 M Manual Adjustable

D. 2º 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.

Page 2 of 2

G. 3" 3m Manual Valve