Form 3160-3 (July 1992)

UNITED STATES

ARTESIA, IVIT COME Instructions on reverse side)

FORM APPROVED OMB NO. 1004-0136 Expires: February 28, 1995

DEPARTMENT OF THE INTERIOR 5. LEASE DESIGNATION AND SERIAL NO. **BUREAU OF LAND MANAGEMENT** NM-63759 6. IF INDIAN, ALOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL OR DEEPEN la. TYPE OF WORK DRILL 🛛 7. UNIT AGREEMENT NAME DEEPEN **b.TYPE OF WELL** 8. FARM OR LEASE NAME, WELL NO. 1781 SINGLE OIL X M ULTIPLE 2. NAME OF OPERATOR Lotos "C" Federal # 903 Sonat Exploration Company 9. API WELL NO. 3. ADDRESS AND TELEPHONE NO. *31-019-301*43 110 West Louisiana, Suite 500, Midland, Texas 79701 10. FIELD AND POOL, OR WILDCA' 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) Wildcat (Delaware/B.S.) 1980' FNL & 660' FEL of Section 9 RECEIVED SEC. T. R. OR BLK AND SURVEY OR AREA OCD - ARTESIA At proposed prod. zone Section 9, T-24S, R-31E 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE. 12. COUNTY OR PARISH 13. STATE 25 miles east of Loving, N.M. Eddy Co. N.M. 15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig, unit line, if any) NO. OF ACRES ASSIGNED 16. NO. OF ACRES IN LEASE 660 320 40 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL DRILLING, COMPLETED, 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 1320' 8700 OR APPLIED FOR, ON THIS LEASE, FT. Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL START* 3445' Ground Level Last quarter of 1997 23. PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE GRADE, SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 14-3/4" 11-3/4" WC-40 42# 400 Sufficient to circulate 11" 23# 24 KGC 8-5/8" M-50 Jss 4300' Sufficient to circulate 7-7/8" 8500' 5-1/2" J-55 17 & 15.5# 2150 sx 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: SUBJECT TO

DRILLING PROGRAM

SURFACE USE AND OPERATING PLAN

EXHIBIT "A" - ROAD MAP

EXHIBIT "B" - EXISTING WELL MAP

EXHIBIT "C" - LOCATION AND DEDICATION PLAT

EXHIBIT "C-1" - TOPO MAP

EXHIBIT "D" - DRILLING RIG LAYOUT

EXHIBIT "E" - 3M BOP EQUIPMENT

SUBJECT TO LIKE APPROVA: AV STATI

Pasted ID. 1 HL W API 1-30-98

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deeper directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED K. Glem Carto	Deilling Superintendent St. Drilling & Production Engineer	11/26/97 DATE 11/12/97
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	
Application approval does not warrant or certify that the applicant h CONDITIONS OF APPROVAL, IF ANY	olds legal or equitable title to those rights in the subject lease which would en	ntitle the applicant to conduct operations thereon
1121 2 1	\circ	

*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.

.CT I P.J. Box 1960, Hobbs, NM 88241-1980

State of New Mexico

Energy, Minerals and Natural Resources Departm

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	Pool Code	WILDCAT	Delaware	/BONE SPRINGS)
Property Code	Propo LOTOS "C"	FEDERAL		Well Number 903
OGRID No. 109487	Opere SONAT EXPLORA	ATION COMPANY		Elevation 3445

Surface Location

UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
Η .	9	24 S	31 E		1980	NORTH	660	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/West line	County
Dedicated Acre	s Joint o	or Infill C	onsolidation	Code Or	der No.	L		ļ	
40									

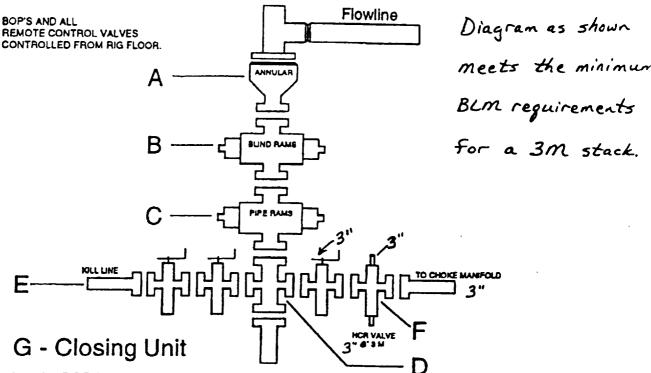
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

OK 11 11011 BINIT	DARD UNIT HAS BEEN APPROVED BY TH	E DIVISION
		OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
	3442.3' 3443.9'	K. Glen Carto Signature K. Glenn CARTER Printed Name Dryling Superintentut SR. Data - Wall. Engineer
	3445.8' 3447.1'	JI/12/97 Date SURVEYOR CERTIFICATION I hereby certify that the well location shown
EXHIBIT "C"		on this plat was plotted from field notes of actual surveys made by me or under my supervisor, and that the same is true and correct to the best of my belief. NOVEMBER 4, 1997
		Date Surveyed Million DMCC Signature & Cert 510 Million Professioner Surveyor Office MEX. MEX. 1790 92-06-97
		Certificate No. JOHN W CHEST 676 RONALD ELIDSON 3239 1076 SANG COSON 12641

SCHAT EXPLORATION

West SEEM TEXAS BUSINESS UNIT

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



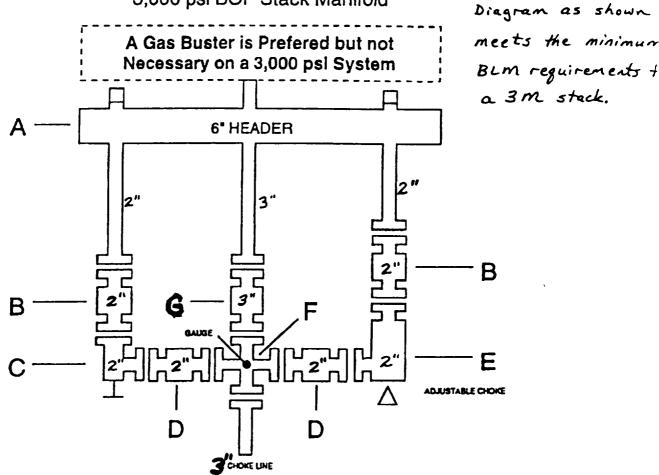
- A. Annular BOP Must be 3000 psl Working Pressure.
- B. Blind Rams Between Annular & Pipe Rams w/ 3000 psi Working Pressure.
- C. Pipe Rams Below Blind Rams w/ 3000 psi Working Pressure. Note: All Rams & Spools Must Meet Required I.D. for Hole Size.
- D. Drilling Spool w/ 2 Outlets for Choke Line &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

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SCNAT EXPLORATION

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