

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1A. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		1B. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		SINGLE SOLE <input checked="" type="checkbox"/> ABUTMENT OFFICE SOLE <input type="checkbox"/>	
2. NAME OF OPERATOR SOUTHWEST ROYALTIES INC. (Nelson Patton) 21355					
3. ADDRESS AND TELEPHONE NO. P.O. BOX 11390 MIDLAND, TEXAS 79702 Ph. 915-686-0027					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1650' FSL & 380' FEL SEC. 29 T17S-R29E EDDY CO. NM At proposed prod. zone Same Unit I					
5. LEASE DESIGNATION AND SERIAL NO. NM-14840					
6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
7. UNIT AGREEMENT NAME					
8. FARM OR LEASE NAME, WELL NO. 10633 Green "A" Federal # 5					
9. API WELL NO. 30-015-29288					
10. FIELD AND POOL, OR WILDCAT Loco Hills-On, Grbg, San A.					
11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 29 T17S-R29E					
12. COUNTY OR PARISH Eddy Co.				13. STATE New Mexico	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 380'		16. NO. OF ACRES IN LEASE 40		17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 660'		19. PROPOSED DEPTH 5000'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3577' GR.				22. APPROX. DATE WORK WILL START* As soon as approved	
23. PROPOSED CASING AND CEMENTING PROGRAM					
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
26"	20" Conductor	NA	40'	Cement to surface/Redi-Mix	
12 1/2"	J-55 8 5/8"	24	550'	225 Sx. circulate to surface	
7 7/8"	J-55 5 1/2"	15.5	5000'	500 Sx. T.C. 600' of upper pay	

1. Drill 26" hole to 40'. Set 40' of 20" conductor and cement to surface with Redi-Mix.
2. Drill 12 1/2" hloe to 550'. Run and set 550' of J-55 8 5/8" 24# ST&C casing. Cement with 225 Sx. Class "C" + 2% CaCl + 1/2# Flocele/ Sx. Circulate cement to surface.
3. Drill 7 7/8" hole to 5000'. Run and set 5000' of J-55 5 1/2" 15.5# ST&C casing. Cement with 500 Sx. Class "C" cement + 2% Gel + 5# Salt/Sx. + 10# Microbond/Sx. + .4% LAP-1. Top of cement to be 600' above upper most Hydrocarbon bearing zone.

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS

ATTACHED

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 deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Joe T. Ferguson TITLE Agent  
(This space for Federal or State office use)  
DATE 11-01-96

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:APPROVED BY (ORIG. SGD.) TONY L. FERGUSON TITLE ADM, MINERALS DATE 12-4-96

\*See Instructions On Reverse Side

DISTRICT III  
1900 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 O-1  
Revised February 10, 1995  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

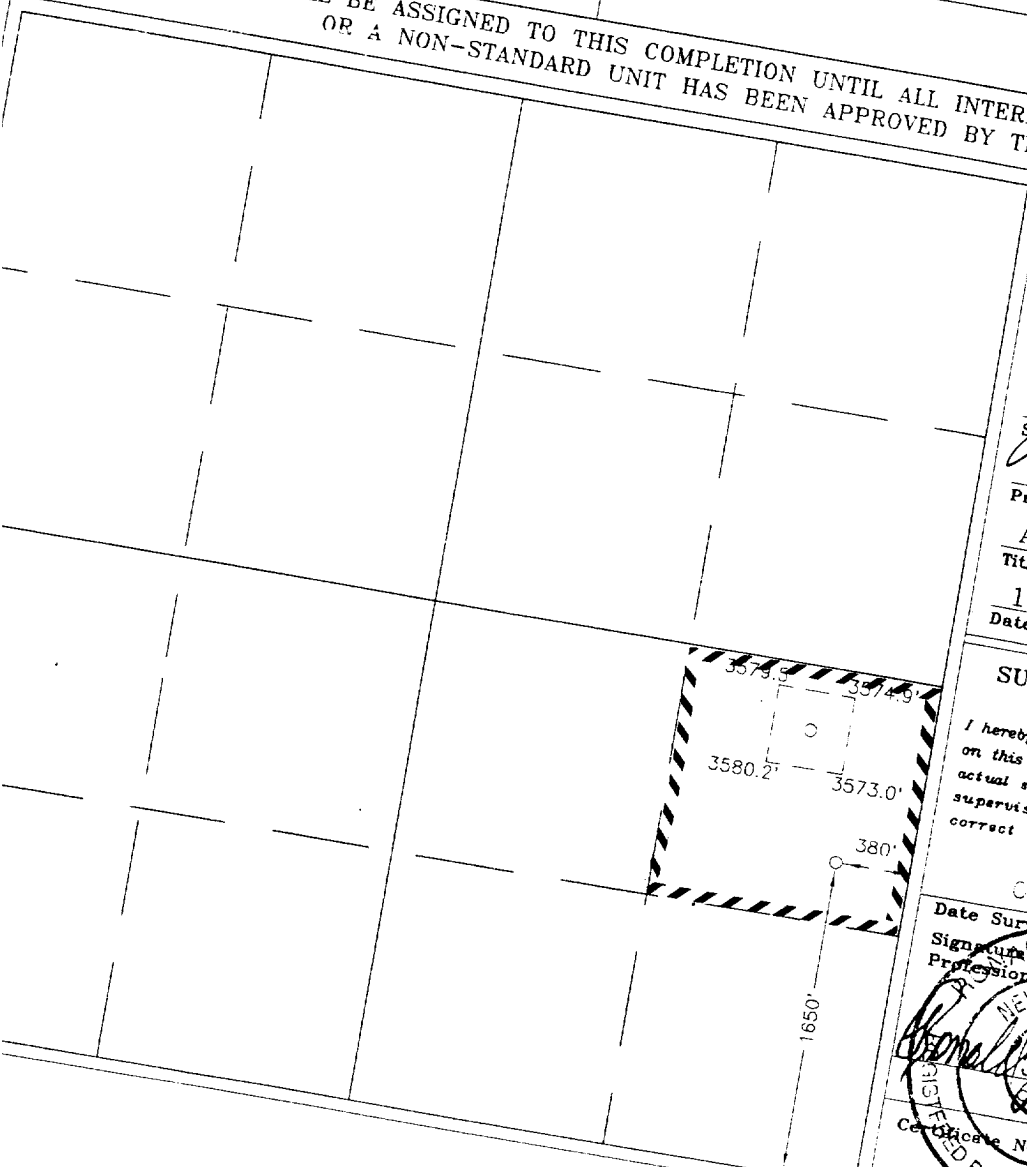
# OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

AMENDED REPORT

API Number <b>30-015-29288</b>		WELL LOCATION AND ACREAGE DEDICATION PLAT		Pool Code		Property Name <b>LOCO HILLS-QN-GRAYBURG-SAN ANDRES</b>		Well Number <b>5</b>	
Property Code		Operator Name <b>GREEN A FEDERAL</b>		Pool Name		Elevation <b>3577</b>		County <b>EDDY</b>	
OGRID No. <b>021355</b>		Operator Name <b>SOUTHWEST ROYALTIES INC.</b>		Surface Location		Feet from the <b>1650</b>		North/South line <b>SCUTH</b>	
UL or lot No. <b>1</b>		Section <b>29</b>		Township <b>17 S</b>		Range <b>29 E</b>		Feet from the <b>380</b>	
Bottom Hole Location If Different From Surface		East/West line <b>EAST</b>		County <b>EDDY</b>		Feet from the <b>380</b>		East/West line <b>EAST</b>	
Dedicated Acres <b>40</b>		Joint or Infill		Consolidation Code		Order No.		Feet from the <b>380</b>	
North/South line		Feet from the <b>380</b>		East/West line <b>EAST</b>		County <b>EDDY</b>		Feet from the <b>380</b>	

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 contained herein is true and complete to the best of my knowledge and belief.

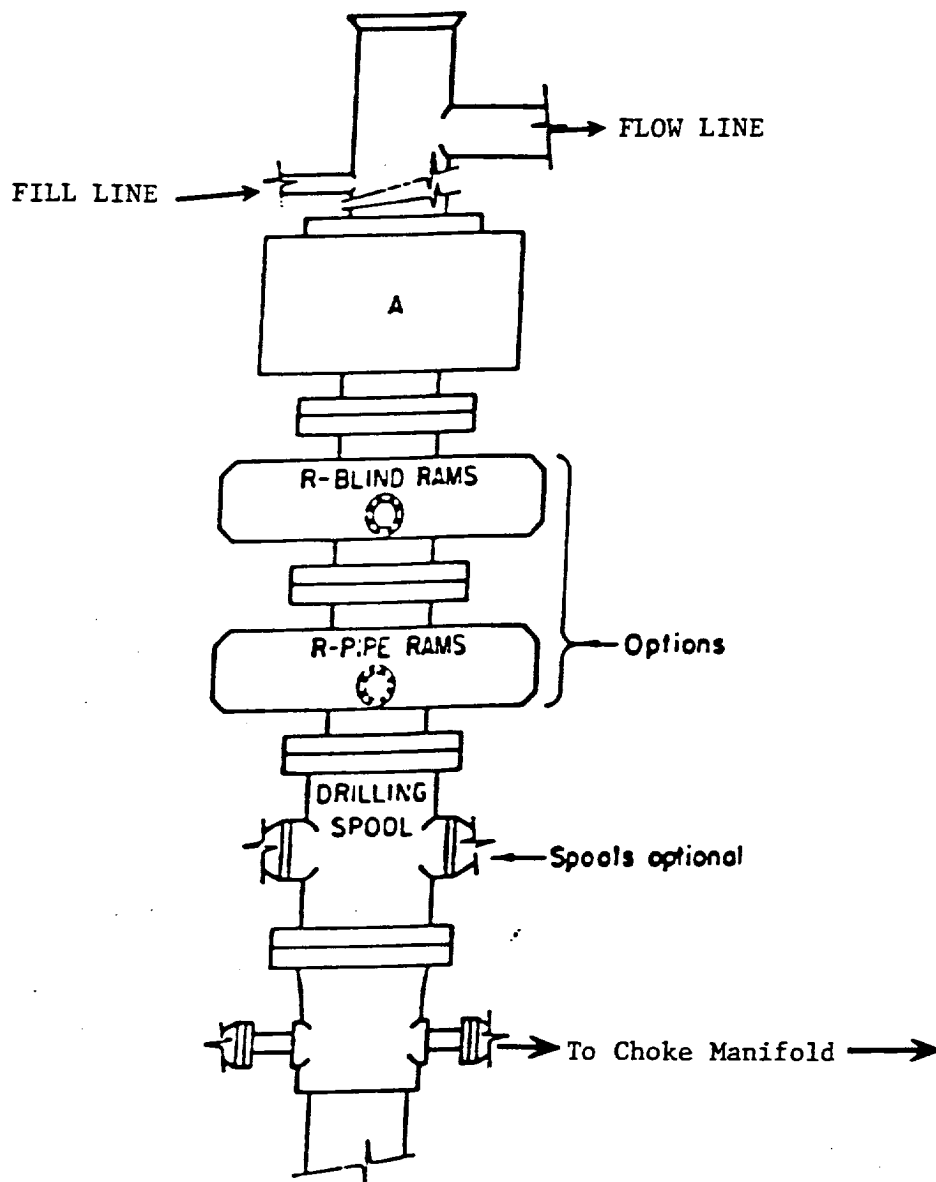
*Joe T Janica*  
Signature  
Joe T. Janica  
Printed Name  
Agent  
Title  
11/01/96  
Date

**SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 17, 1996  
Date Surveyed  
Signature & Seal  
Professional Surveyor  
NEW MEXICO  
13133  
10-18-96  
Certificate No. JOE T. JANICA  
EDDY COUNTY  
676  
3239  
2641

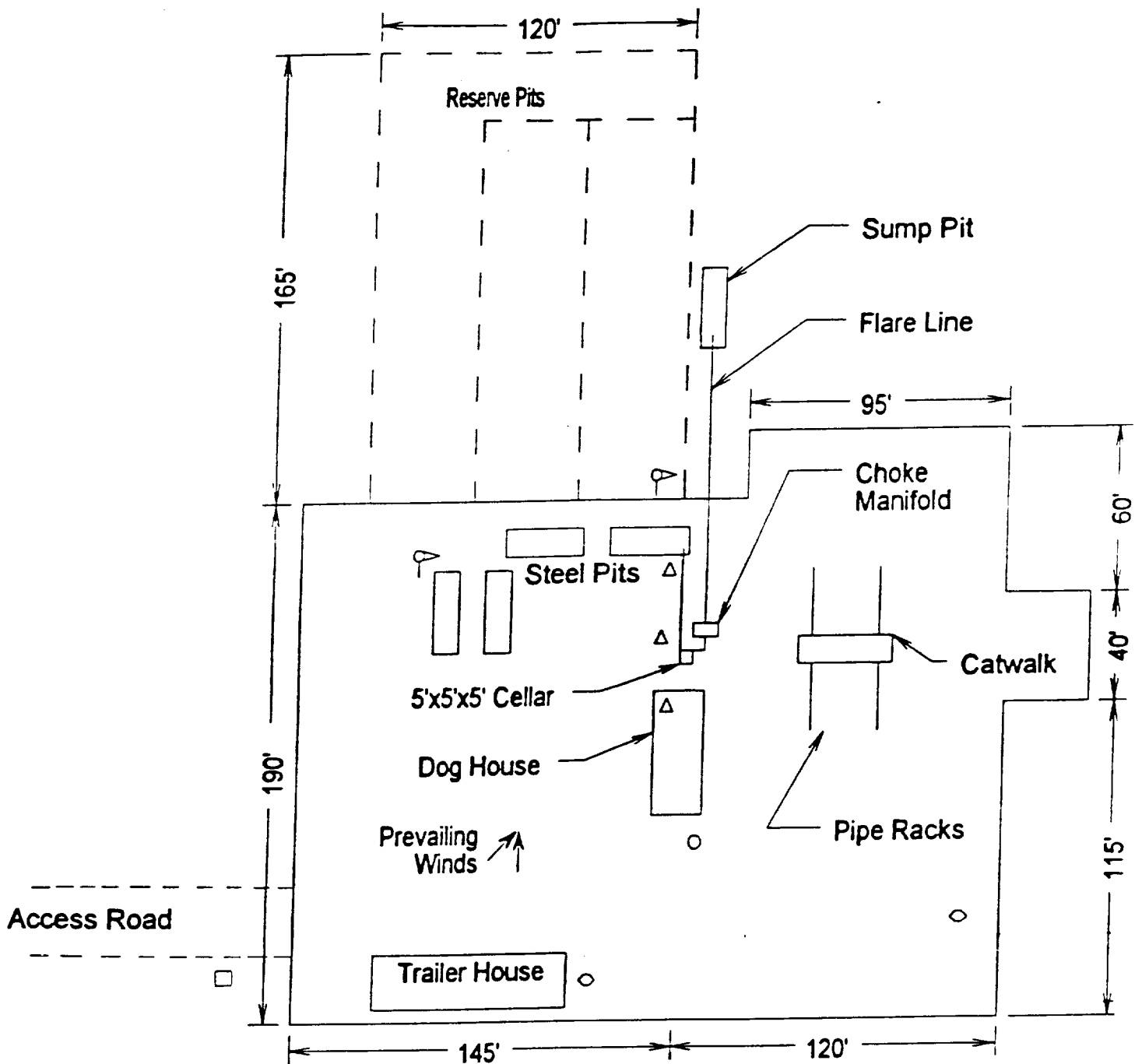
EXHIBIT "A"



# **ARRANGEMENT SRRA**

900 Series  
3000 PSI WP

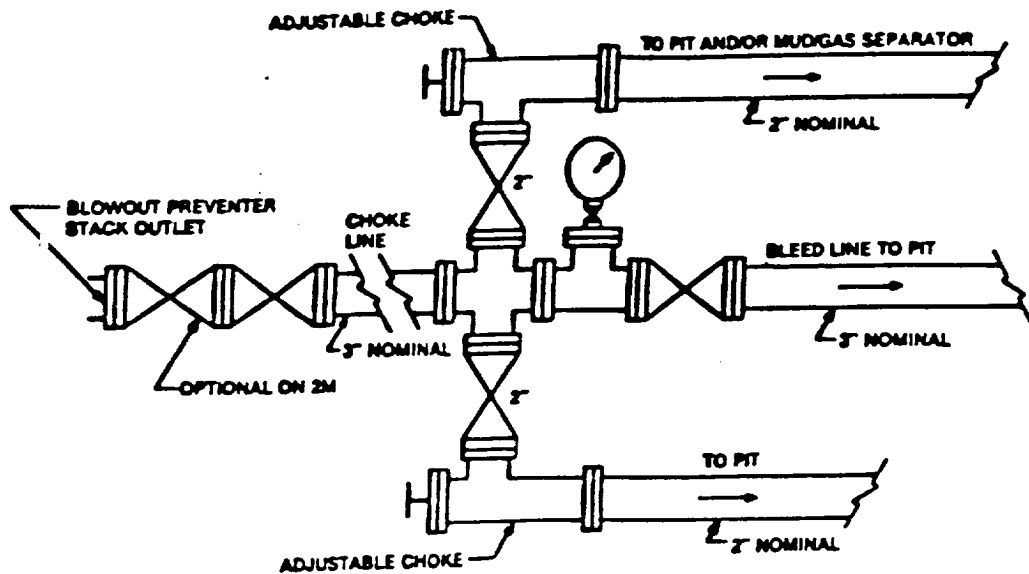
EXHIBIT "E"  
B.O.P. SKETCH TO BE USED C  
SOUTHWEST ROYALTIES, INC.  
GREEN "A" FEDERAL #5  
1650' FSL & 380' FEL SEC.  
T17S-R29E EDDY CO



- ☙ Wind Direction Indicators  
(wind sock or streamers)
- △ H2S Monitors  
(alarms at bell nipple and shale shaker)
- Briefing Areas
- Remote BOP Closing Unit
- Sign and Condition Flags

EXHIBIT "D"  
RIG LAYOUT PLAT

SOUTHWEST ROYALTIES, INC.  
GREEN "A" FEDERAL #5  
1650' FSL & 380' FEL SEC  
T17S-R29E EDDY CO



Typical choke manifold assembly for 3M WP system

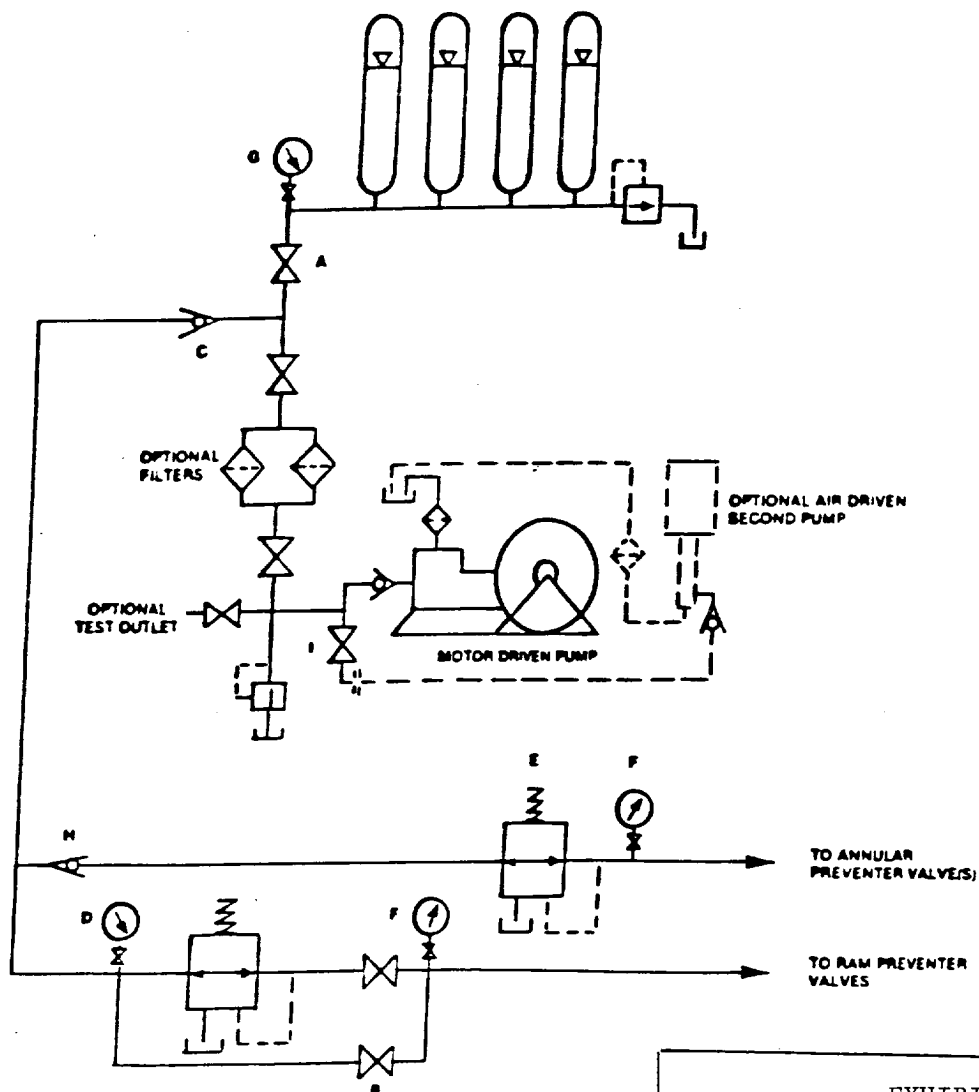


EXHIBIT "1-E"  
 CHOKE MANIFOLD & CLOSING U  
 SOUTHWEST ROYALTIES, INC  
 GREEN "A" FEDERAL #5  
 1650' FSL & 380' FEL SEC  
 T17S-R29E EDDY CO