

State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
Revised March 17, 1999

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. 1st Street, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Chevron U.S.A. Inc. P.O. Box 1150		² OGRID Number 4323
		³ API Number 30-025-35423
⁴ Property Code 2571	⁵ Property Name ARROWHEAD GRAYBURG UNIT	⁶ Well No. 359

⁷ Surface Location									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	2	22S	36E		1310	SOUTH	50	EAST	LEA

⁸ Proposed 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
⁹ Proposed Pool 1 ARROWHEAD; GRAYBURG 03040					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3511'
¹⁶ Multiple 4000'	¹⁷ Proposed Depth 3939'	¹⁸ Formation GRAYBURG	¹⁹ Contractor UNKNOWN	²⁰ Spud Date 3/27/01

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	9-5/8"	36	500'	300	SURF
8-3/4"	7"	20	4000'	750	SURF

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

CHEVRON PROPOSES TO:

DRILL 12-1/4" HOLE TO 500', RUN 9-5/8" CSG. CMT W/CLASS "C" TO SURF.
DRILL 8-3/4" HOLE TO 4000', RUN 7" CSG. CMT W/CLASS "C" TO SURF.

MUD PROGRAM: 0' - 500' 8.4 PPG FRESH WATER
500' - 4000' 10.0 PPG BRINE WATER

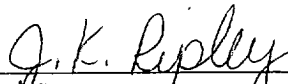
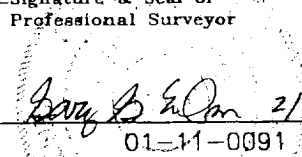
Permit Expires 1 Year From Approval
Date Unless Drilling Underway

CHEVRON CLASS II BOPE

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>J. K. Ripley</i>		Approved by:	
Printed name: J. K. RIPLEY		Title:	
Title: REGULATORY O.A.		Approval Date:	Expiration Date:
Date: 2/22/01	Phone:	Conditions of Approval:	
		Attached ☐	

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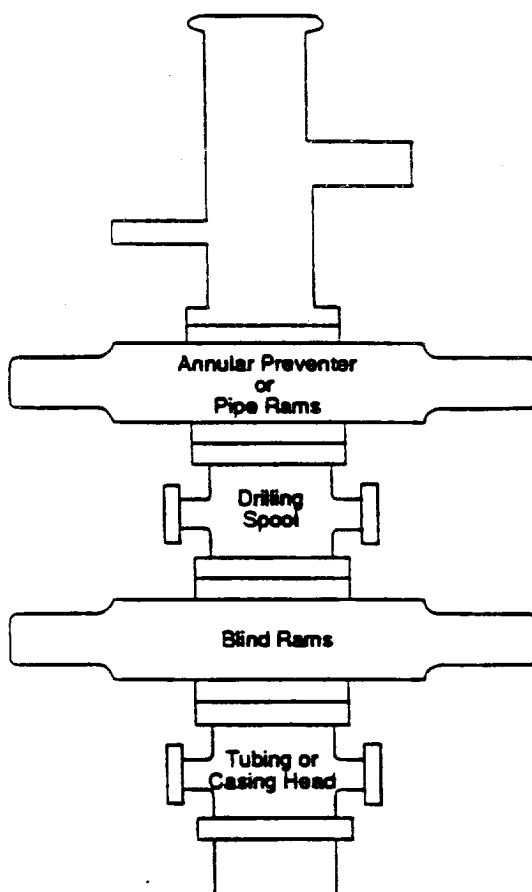
[Handwritten signature]

				OPERATOR CERTIFICATION <i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature J. K. Ripley Printed Name Regulatory O.A. Title 2/22/01 Date
				SURVEYOR CERTIFICATION <i>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.</i> FEBRUARY 12, 2001 Date Surveyed AWB Signature & Seal of Professional Surveyor  01-11-0091 Certificate No. RONALD J. EDSON 3239 GARY EDSON 12641
	GEODETIC COORDINATES NAD 27 NME Y = 517220 X = 841326			

CHEVRON DRILLING REFERENCE SERIES
VOLUME ELEVEN
WELL CONTROL AND BLOWOUT PREVENTION

D. CLASS II-B BLOWOUT PREVENTER STACK:

Figure 11J.3
Class II-B Blowout Preventer Stack



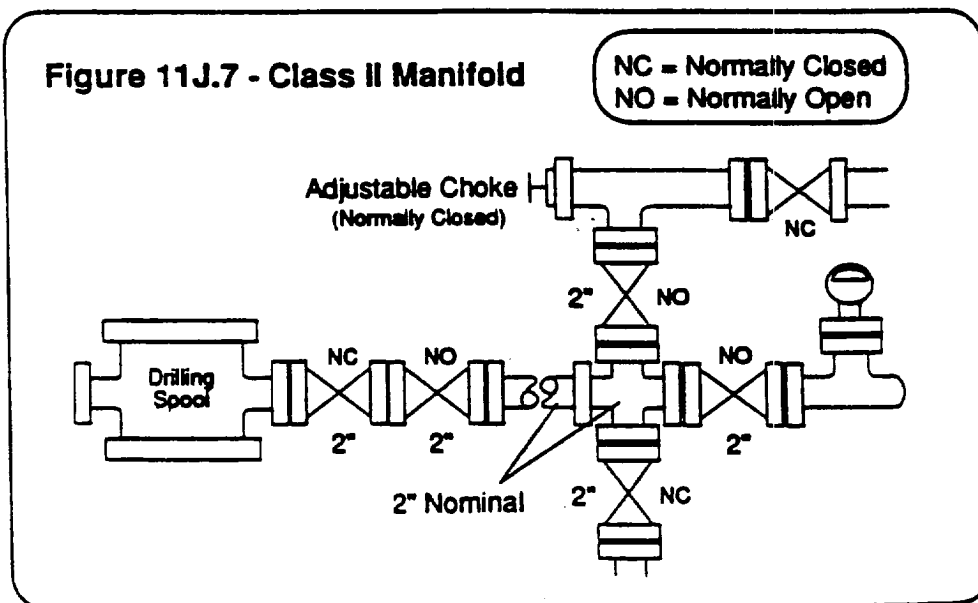
The Class II-B preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a drilling spool, and a single blind ram preventer on bottom. In an alternate configuration, a single pipe ram preventer may be substituted for the annular preventer. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". An emergency kill line may be installed on the wellhead. As the maximum anticipated surface pressure of this stack is less than 2000 psi, screwed connections may be used. All components must be of steel construction. The Class II-B blowout preventer stack is shown to the left in Figure 11J.3.

**CHEVRON DRILLING REFERENCE SERIES
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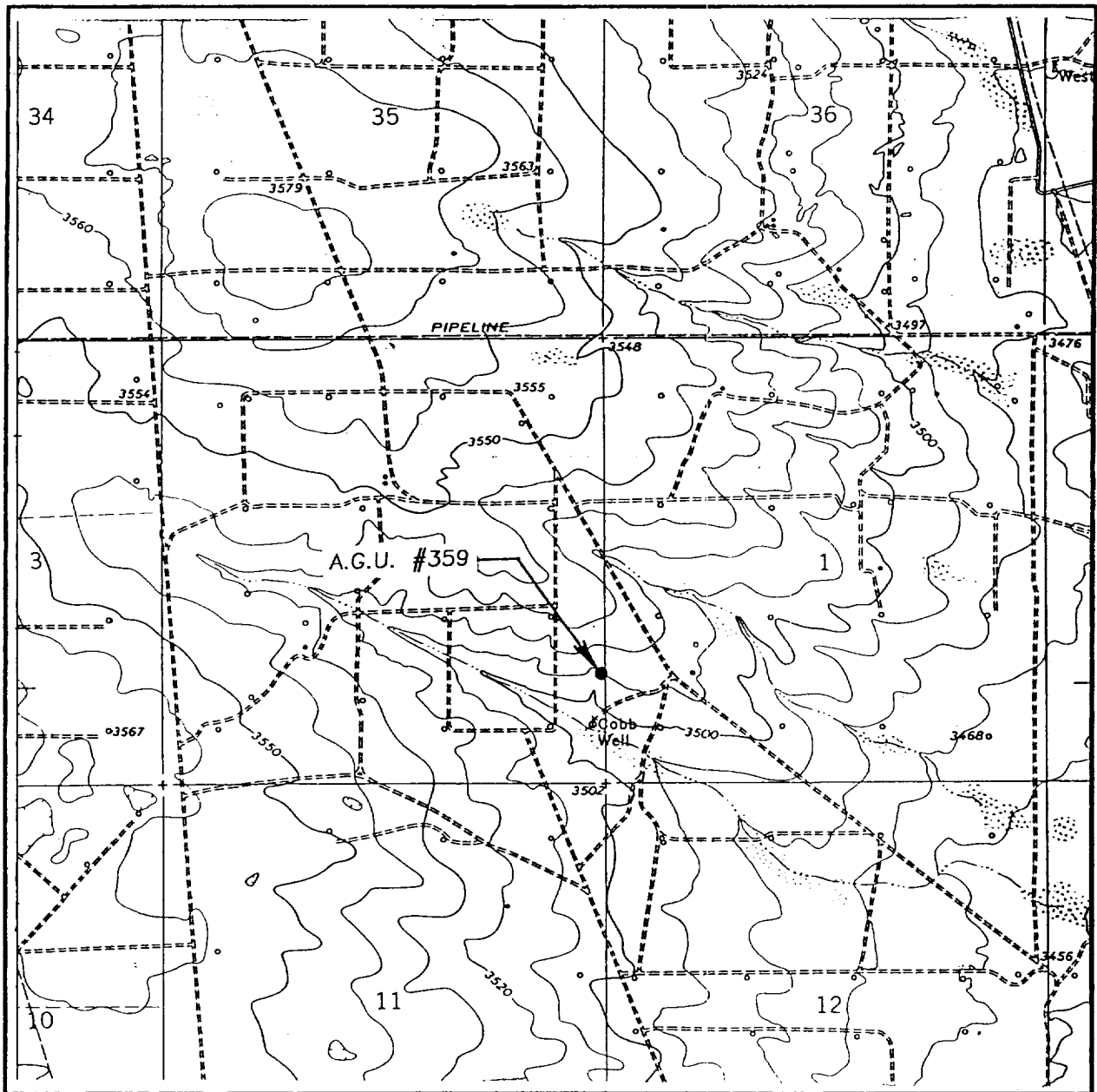
C. CLASS II CHOKE MANIFOLD

The Class II choke manifold is suitable for all Class II workovers and drilling operations. The Class II choke manifold is shown below in Figure 11J.7. Specific design features of the Class II choke manifold include:

1. The manifold is attached to the tubing/casing head when a Class II-A preventer stack is used. This hook-up is only recommended for Class II workover operations.
2. The manifold is attached to a drilling spool or top ram preventer side outlets when a Class II-B preventer stack is in use.
3. The minimum internal diameter is 2" (nominal) for outlets, flanges, valves and lines.
4. Includes two steel gate valves in the choke line at the wellhead/drilling spool outlet. The inside choke line valve may be remotely controlled (HCR).
5. Includes one manually adjustable choke which is installed on the side of the manifold cross. Steel isolation gate valves are installed between the choke and the cross, and downstream of the choke.
6. Includes one bleed line installed on the side of the manifold cross which is isolated by a steel gate valve.
7. Includes a pressure gauge suitable for drilling service which can display the casing pressure within view of the choke operator.
8. Screwed connections may be used in lieu of flanges or clamps.



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'
EUNICE, N.M.

SEC. 2 TWP. 22-S RGE. 36-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1310' FSL & 50' FEL

ELEVATION 3511

OPERATOR CHEVRON U.S.A. PRODUCTION COMPANY

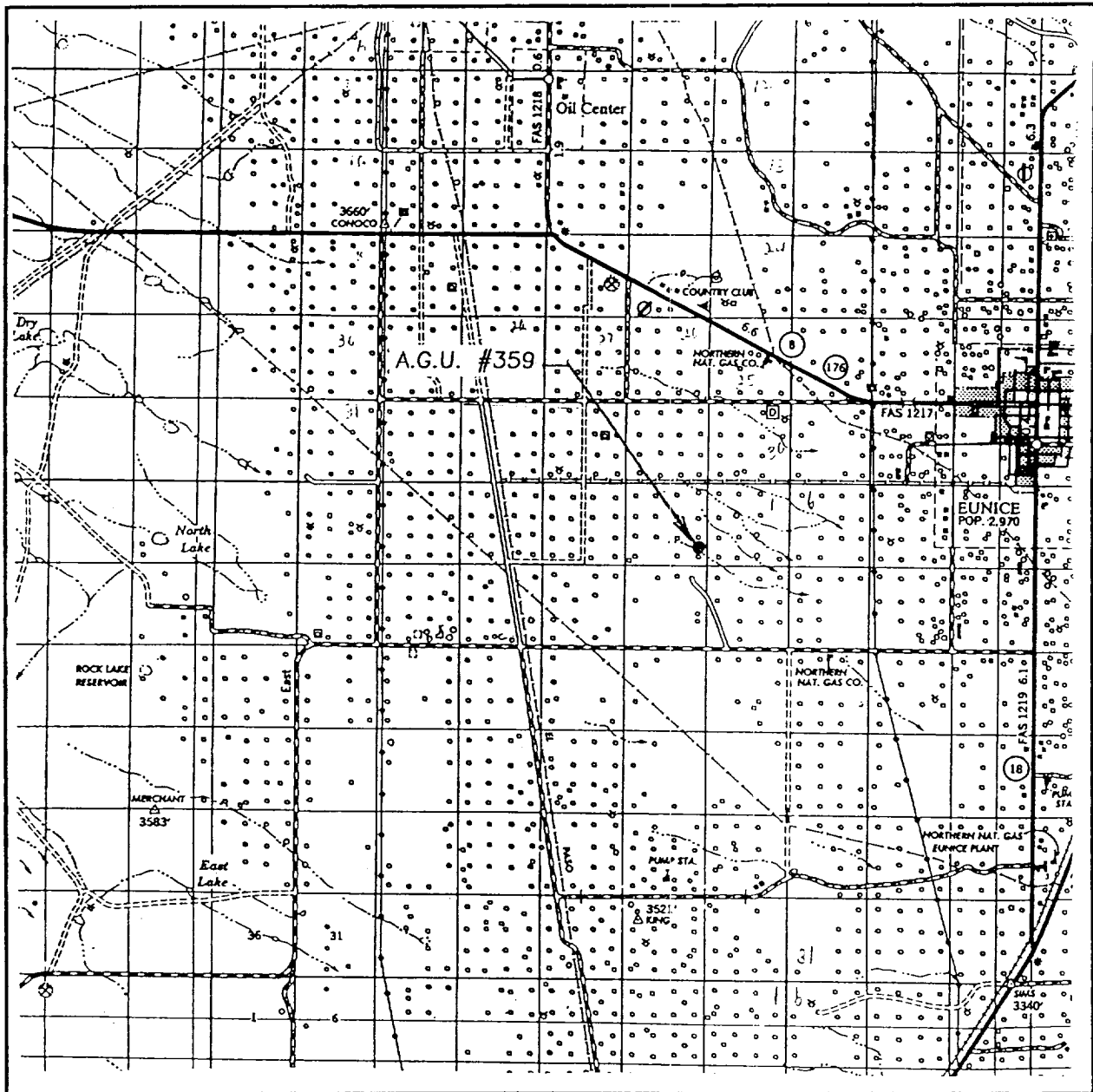
LEASE A.G.U.

U.S.G.S. TOPOGRAPHIC MAP

EUNICE, N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 2 TWP. 22-S RGE. 36-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1310'FSL & 50'FEL

ELEVATION 3511

OPERATOR CHEVRON U.S.A. PRODUCTION COMPANY

LEASE A.G.U.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
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ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED

ELF

5/1/01