

Submit to Appropriate  
District Office  
State Lease-6 copies  
Fee Lease-5 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer Dd, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, Nm 87410

API NO. (assigned by OCD on New Wells) <b>30-025-31535</b>	
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. N/A	

<b>APPLICATION FOR PERMIT TO DRILL, DEEPEN, OF PLUG BACK</b>					
1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>				7. Lease Name or Unit Agreement Name ARROWHEAD GRAYBURG UNIT	
b. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER WELL <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>					
2. Name of Operator CHEVRON U.S.A. INC.				8. Well No. 241	
3. Address of Operator P.O. BOX 1150, MIDLAND, TX 79702 ATTN: P.R. MATTHEWS				9. Pool name or Wildcat ARROWHEAD/GB	
4. Well Location Unit Letter <u>N</u> : <u>660</u> Feet From The <u>SOUTH</u> Line and <u>2075</u> Feet From The <u>WEST</u> Line Section <u>18</u> Township <u>22 SOUTH</u> Range <u>37 EAST</u> NMPM <u>LEA</u> County					
		10. Proposed depth 4500'		11. Formation GRAYBURG	
				12. Rotary or C.T. ROTARY	
13. Elevation (Show DF,RT, GR, etc.) 3424 GE		14. Kind & Status Plug Bend BLANKET		15. Drlg Contractor UNKNOWN	
				16. Date Work will start '4-15-92	
17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	23	1150'	800	SURFACE
7 7/8"	5 1/2"	15.5	4500	900	SURFACE

MUD PROGRAM: 0'-1150' FRESH WATER SPUD MUD, 9.0 PPG.  
1150'-4500' BRINE WATER AND AIR MIST SYSTEM, 10.0 PPG.

BOPE EQUIPMENT: 2000 PSI WORKING PRESSURE, SEE ATTACHMENT.  
CHEVRON U.S.A. INC. CLASS II DRAWING.

IN ABOVE SPACE DESCRIBE PROPOSED PROG IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE P.R. Matthews TITLE TECHNICAL ASSISTANT DATE '3-17-92

TYPE OR PRINT NAME P.R. MATTHEWS TELEPHONE NO. (915)687-7812

ORIGINAL SIGNED BY JERRY SEXTON

MAR 19

APPROVED BY DISTRICT I SUPERVISOR TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.

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**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

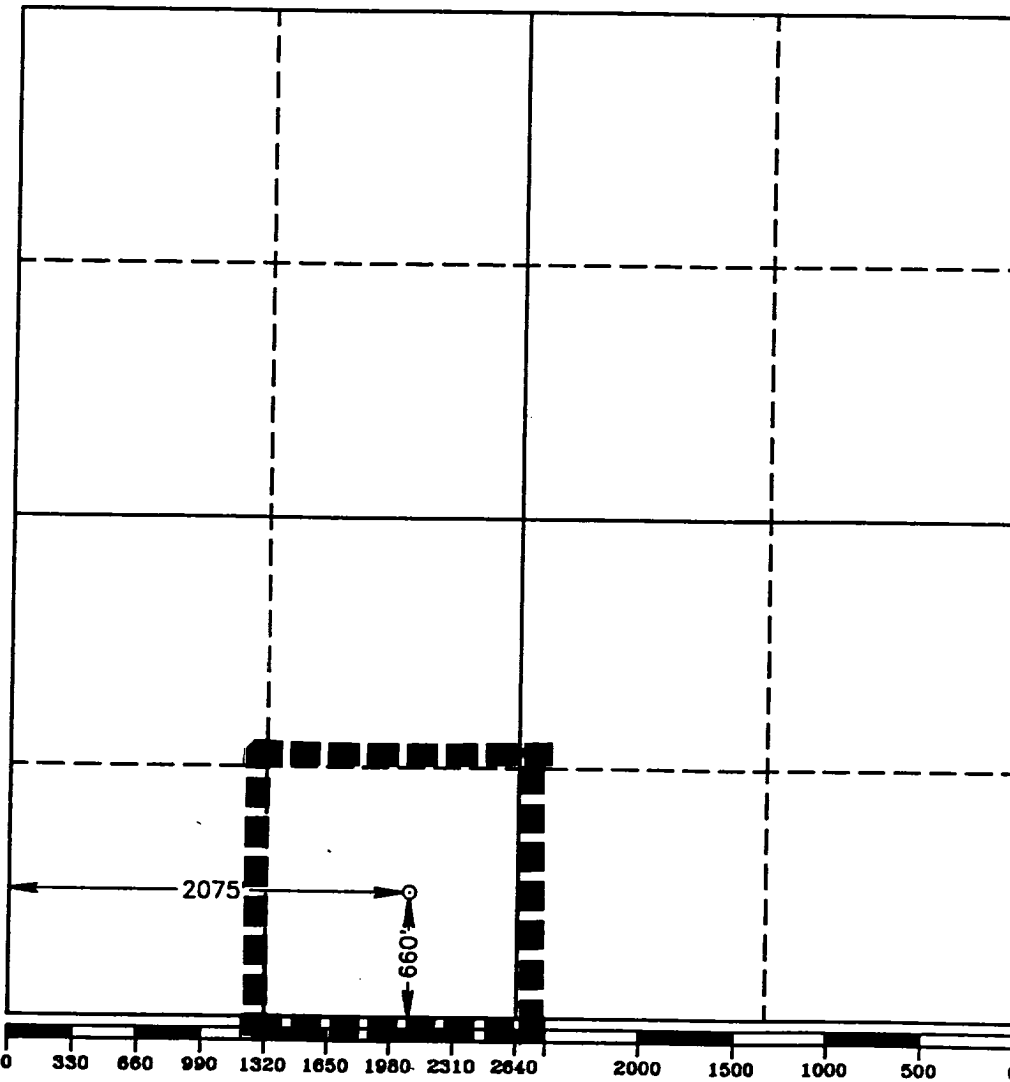
All Distances must be from the outer boundaries of the section

Operator <b>CHEVRON U.S.A. INC.</b>			Lease <b>ARROWHEAD GRAYBURG UNIT</b>		Well No. <b>241</b>
Unit Letter <b>N</b>	Section <b>18</b>	Township <b>22 SOUTH</b>	Range <b>37 EAST</b>	County <b>LEA</b>	
Actual Footage Location of Well: <b>660</b> feet from the <b>SOUTH</b> line and <b>2075</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>3424.5'</b>		Producing Formation <b>GRAYBURG</b>		Pool <b>ARROWHEAD</b>	
					Dedicated Acreage: <b>40</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_

If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.)

No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, 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.

Signature

*P.R. Matthews*

Printed Name

**P.R. MATTHEWS**

Position

**TECHNICAL ASSISTANT**

Company

**CHEVRON U.S.A. INC.**

Date

**3-16-92**

**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 knowledge and belief.

Date Surveyed

**MARCH 6, 1992**

Signature & Seal of Professional Surveyor

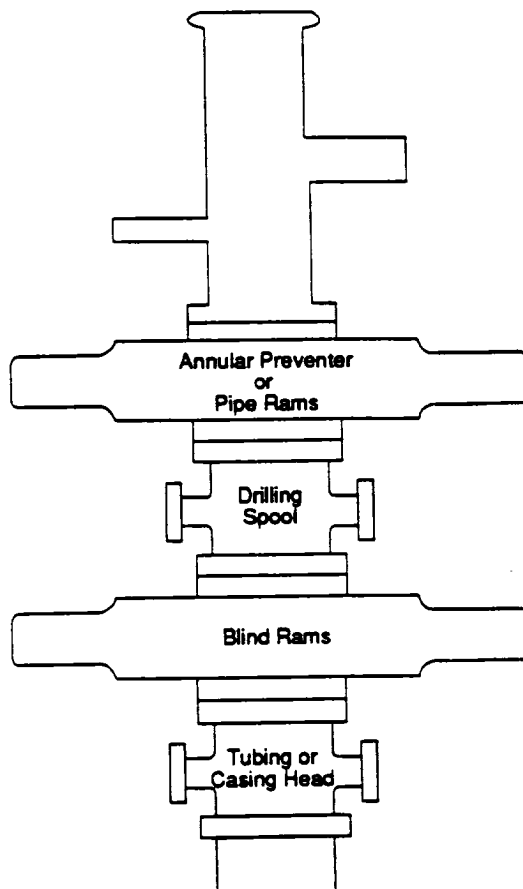
*Ronald J. Eason*  
No. 3239  
Certificate No. 3239  
JOHN W. WEST, 878  
RONALD J. EASON, 3239  
GARY L. JONES, 7977

92110343

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**



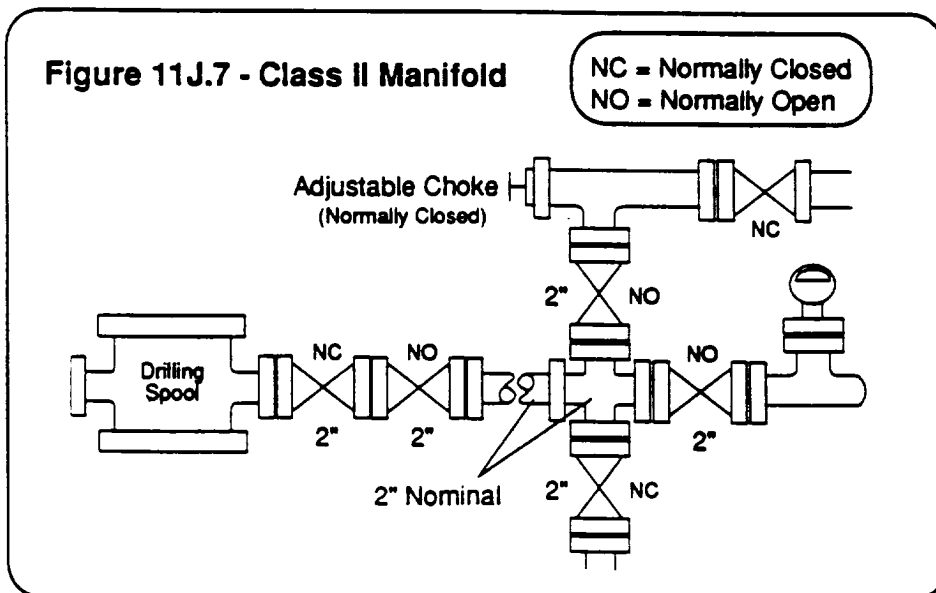
The Class II-B preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a drilling spool, and a single blind ram preventer on bottom. In an alternate configuration, a single pipe ram preventer may be substituted 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  
VOLUME ELEVEN  
WELL CONTROL AND BLOWOUT PREVENTION

**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.



RECEIVED

MAR 18 1992

Rev. 1/1/89

OCD HOBBS OFFICE