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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 66, Artesia, NM 88210

DISTRICT III

1500 Rio Brazos Rd., Aztec, Nm 87410

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OF PLUG BACK		API NO. (assigned by OCD on New Wells) 30-025-31734			
1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			
b. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER INJECTOR <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. State Oil & Gas Lease No. N/A			
c. Name of Operator CHEVRON U.S.A. INC.		7. Lease Name or Unit Agreement Name ARROWHEAD GRAYBURG UNIT			
d. Address of Operator ROOM 3104 P.O. BOX 1150, MIDLAND, TX 79702 ATTN: P.R. MATTHEWS		8. Well No. 171			
e. Well Location Unit Letter: <u>K</u> <u>2215</u> Feet From The <u>WEST</u> Line and <u>2305</u> Feet From The <u>SOUTH</u> Line Section <u>2</u> Township <u>22S</u> Range <u>36E</u> NMPM <u>LEA</u> County		9. Pool name or Wildcat ARROWHEAD / GRAYBURG			
10. Proposed depth 4500		11. Formation GRAYBURG			
12. Rotary or C.T. ROTARY					
13. Elevation (Show DF, RT, GR, etc.) 3523 GE		14. Kind & Status Plug Bond BLANKET			
15. Drilg Contractor ROD-RIC		16. Date Work will start 10-1-92			
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	1350'	800	SURFACE
7 7/8"	5 1/2"	15.5	4500'	900	SURFACE

MUD PROGRAM: 0-1350' FRESH WATER SPUD MUD, 9.0 PPG.
1350'-4500' BRINE WATER AND STARCH SYSTEM, 10.0 PPG.

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

This well represents the ex-state #2 which is an available well bore to drill
IN ABOVE SPACE DESCRIBE PROPOSED 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 9-14-92

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

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE SEP 18 1992
CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

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DISTRICT III

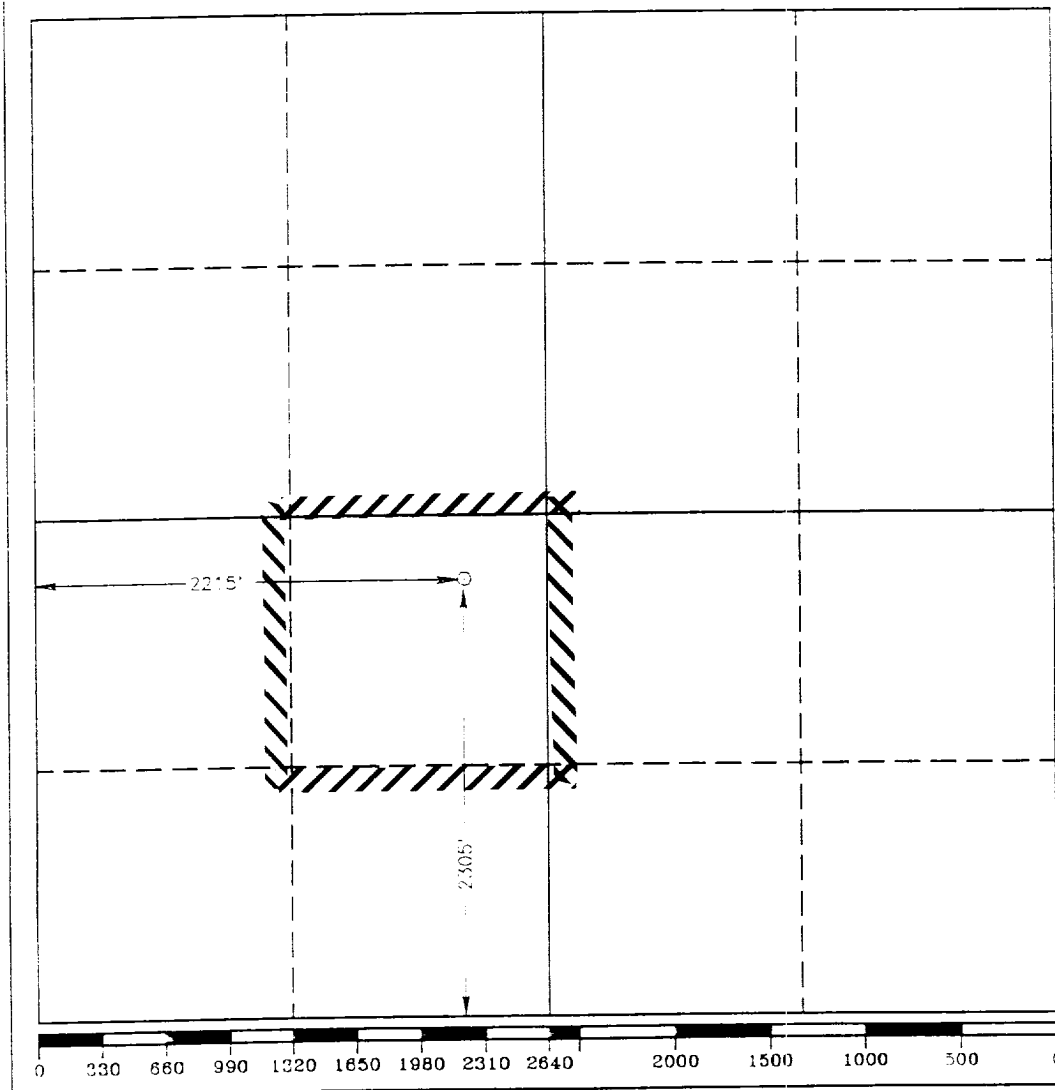
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. Distances must be from the outer boundaries of the section

Operator CHEVRON U.S.A. INC.		Lease ARROWHEAD GRAYBURG UNIT		Well No. 171
Unit Letter A	Section 2	Township 22 SOUTH	Range 36 EAST NMPM	County LEA
Actual Footage Location of Well: 1305 feet from the SOUTH line and 2215 feet from the WEST line				
Ground Level Elev. 3523.7'	Producing Formation GRAYBURG	Pool ARROWHEAD /GB	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 that 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
9-11-92

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
SEPTEMBER 9, 1992

Signature & Seal of
Professional Surveyor

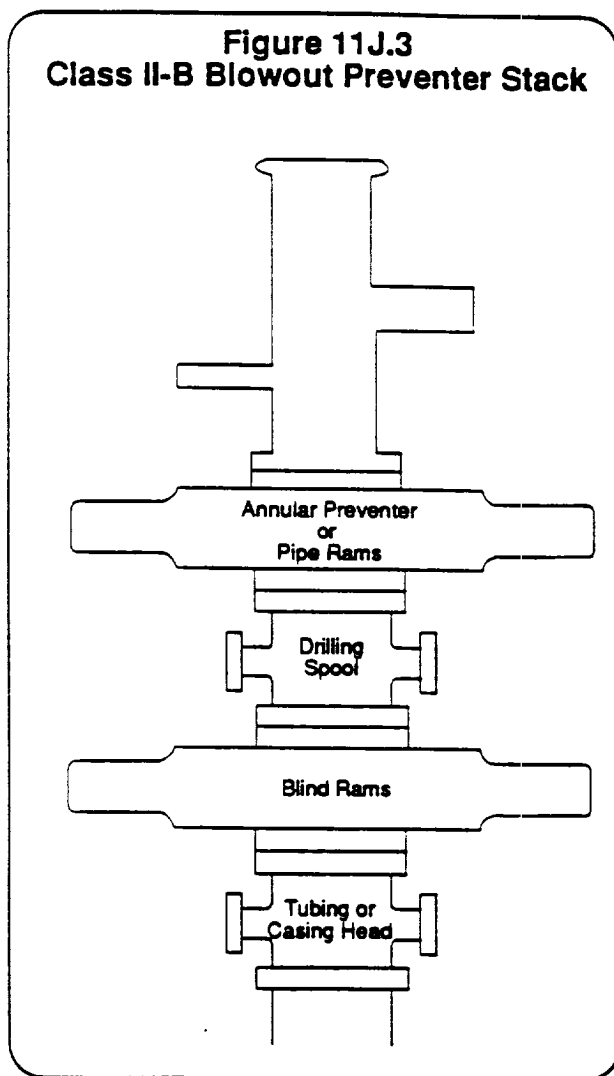
Ronald L. Eidson
Certificate No. JOHN W. WEST, 878
RONALD L. EIDSON, 3239
GARY JONES, 7917

92-11-10784

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



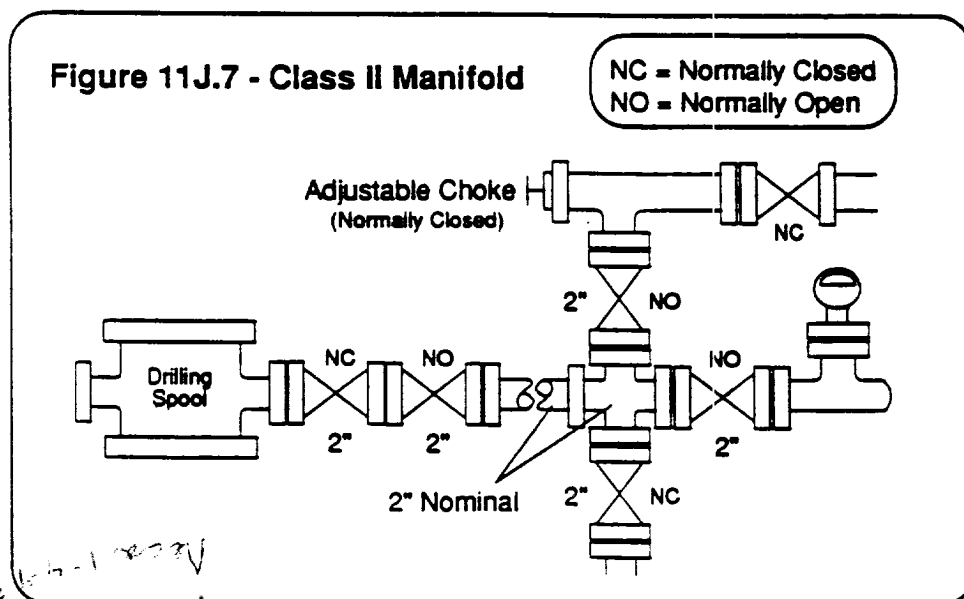
The Class II-B preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a drilling spool, and a single blind ram preventer on bottom. In an alternate configuration, a single pipe ram preventer may be substituted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

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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.



RECEIVED

SEP 15 1992