

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

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)
30-025-10095

5. Indicate Type of Lease
 STATE FEE

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:
 DRILL RE-ENTER DEEPEN PLUG BACK

b. Type of Well:
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. Name of Operator
CHEVRON USA INC.

3. Address of Operator
P.O. Box 1150 MIDLAND TX 79702 ATTN Rm 4111

4. Well Location
 Unit Letter C : 660 Feet From The North Line and 1980 Feet From The West Line
 Section 7 Township 22S Range 37E NMPM LEA County

7. Lease Name or Unit Agreement Name
Arrowhead Grayburg
Unit

8. Well No.
183

9. Pool name or Wildcat
Arrowhead / Grayburg

10. Proposed Depth
± 4500

11. Formation
Grayburg

12. Rotary or C.T.

13. Elevations (Show whether DF, RT, GR, etc.)
3439 GR

14. Kind & Status Plug. Bond

15. Drilling Contractor

16. Approx. Date Work will start
6/15/91

17. Existing PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
	<u>9 5/8</u>	<u>25.7</u>	<u>293</u>	<u>180</u>	
	<u>5 1/2</u>	<u>14</u>	<u>3627</u>	<u>350</u>	

DEEPEN WELL ± 4500' w/ 4 3/4" bit log + Equip to pump
 mist & BRINE mud system 3000 psi
 WELL NAME CHANGED FROM CHEVRON H.T. MATTERN (NCT-D) #5

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: 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 E.O. Doherty TITLE J.A. Delg DATE 5/29/91
 TYPE OR PRINT NAME E.O. DOHERTY TELEPHONE NO. 687-7812

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE JUN 21 1991

CONDITIONS OF APPROVAL, IF ANY:

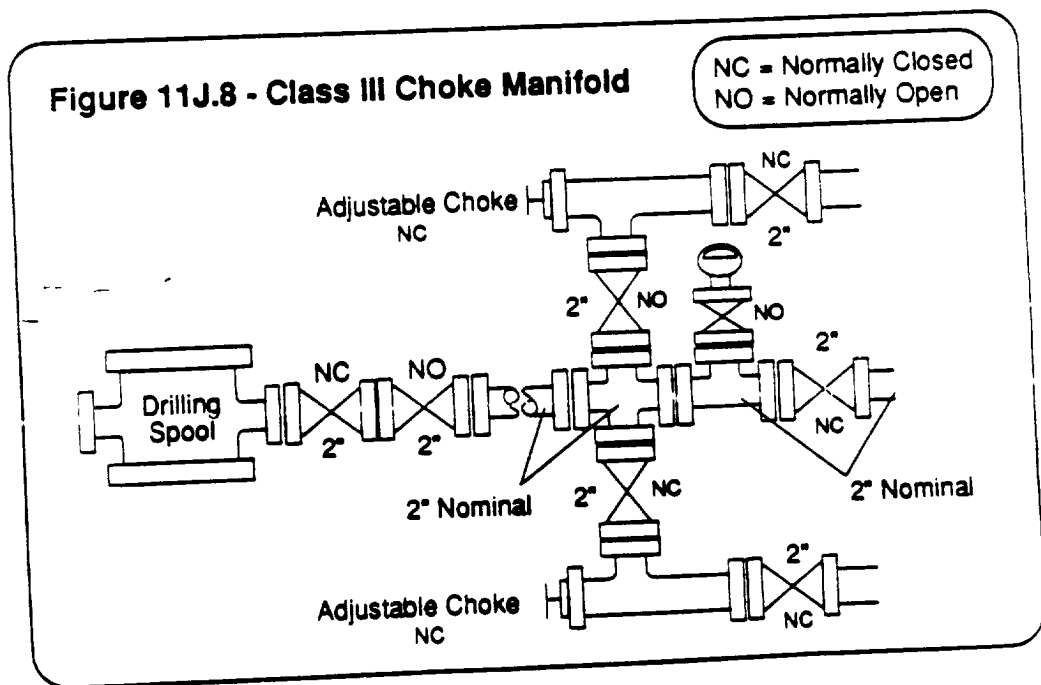
Permit Expires 6 Months From Approval
 Date Unless Drilling Underway.
Re-entry mf

CHEVRON DRILLING REFERENCE SERIES
 VOLUME ELEVEN
 WELL CONTROL AND BLOWOUT PREVENTION

D. CLASS III CHOKE MANIFOLD

The Class III choke manifold is suitable for Class III workovers and drilling operations. The Standard Class III choke manifold is shown in Figure 11J.8 below. Specific design features of the Class III manifold include:

1. The manifold is attached to a drilling spool or the top ram preventer side outlet.
2. The minimum internal diameter is 2" (nominal) for outlets, flanges, valves and lines.
3. Includes two steel gate valves in the choke line at the drilling spool outlet. The inside choke line valve may be remotely controlled (HCR).
4. Includes two manually adjustable chokes which are installed on both side of the manifold cross. Steel isolation gate valves are installed between both chokes and the cross, and also downstream of both chokes.
5. Includes a bleed line which runs straight through the cross and is isolated by a steel gate valve.
6. Includes a valve isolated pressure gauge suitable for drilling service which can display the casing pressure within view of the choke operator.
7. Returns through the choke manifold must be divertible through a mud-gas separator and then be routed to either the shale shaker or the reserve pit through a buffer tank or manifold arrangement.
8. If the choke manifold is remote from the wellhead, a third master valve should be installed immediately upstream of the manifold cross.



CHEVRON DRILLING REFERENCE SERIES
VOLUME ELEVEN
WELL CONTROL AND BLOWOUT PREVENTION

E. CLASS III BLOWOUT PREVENTER STACK:

The Class III preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a blind ram preventer, a drilling spool, and a single pipe ram preventer on bottom. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". All side outlets on the preventers or drilling spool must be flanged, studded, or clamped. An emergency kill line may be installed on the wellhead. A double ram preventer should only be used when space limitations make it necessary to remove the drilling spool. In these instances, the choke manifold should be connected to a flanged outlet between the preventer rams only. In this hookup, the pipe rams are considered master rams only, and cannot be used to routinely circulate out a kick. The Class III blowout preventer stack is shown to the right in Figure 11J.4.

Figure 11J.4
Class III Blowout Preventer Stack

