

C/SF

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐
b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
CHEVRON U.S.A. INC. 4323

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 1150, MIDLAND, TX 79702 ATTN: RORY MATTHEWS (915) 687-7812

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1650' FSL & 1650' FWL
At proposed prod. zone Unit (K)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
15 MILES WEST OF CARLSBAD, NEW MEXICO

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. NA
(Also to nearest drip, unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. NA

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GLE: 4083'

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8"	48	260'	CIRCULATED
12 1/4"	K-55, 8 5/8"	24	2300'	CIRCULATED
7 7/8"	K-55, 5 1/2"	15.50	8100'	CIRCULATED

MUD PROGRAM: 0'-260' FRESH WATER SPUD MUD.
260'-2300' FRESH WATER STARCH 10#.
2300'-8100' FRESH WATER & CUT BRINE 8.4-9.8

BOPE EQUIPMENT: 3000 PSI WORKING PRESSURE. SEE ATTACHED CHEVRON CLASS II BOP DRAWING.

RECEIVED

APR 20 1995

OIL COLL. DIV.
DIST. 2

Approved By: [Signature]
General Manager, Artesia and
Special District 2
Artesia

Post ID-1
4-28-95
New Loc & API

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new production 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.

SIGNED Rory Matthews TITLE DRILLING TECHNICAL ASSISTANT DATE 3/1/95

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Applicant 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 /s/ Yolanda Vega TITLE Acting AREA MANAGER DATE 4-13-95
*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
FPM 37605
(June 1990)

R 13 11 02 AM '95

SARL
AREA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE

1. Type of well
☐ Oil ☒ Gas ☐ Other

2. Name of Operator
CHEVRON U.S.A. INC.

3. Address and Telephone No. (915) 687-7812
P.O. BOX 1150 MIDLAND, TEXAS 79702 ATTN: P.R. MATTHEWS, ROOM 3122

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC. 3, T22S, R23E
1650' FSL & 1650' FWL

5. Lease Designation and Serial No.
NM-045273

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
BOGL FLATS UNIT

8. Well Name and No.
BOGL FLATS UNIT GAS COM. #10

9. API Well No.

10. Field and Pool, or Exploratory Area
INDIAN BASIN

11. County or Parish, State
EDDY CO. NEW MEXICO

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

12 TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input checked="" type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other DRILLING REPORT	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

13 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimate date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

CHEVRON PROPOSES ADDITIONAL INFORMATION TO APD.

DEDICATED ACRES = 677.

BOTTOM HOLE PRESSURE AT TD = 1000 PSI.

H2S WILL BE PRESENT IN SMALL AMOUNTS AT THE YESO FORMATION AND AT TD WITH AN EXPECTED RATE OF 5000 PPM.
CHEVRON WILL INSTALL A FULL COMPLIANCE H2S EQUIPMENT PACKAGE BEFORE REACHING THE YESO FORMATION.
THIS EQUIPMENT WILL REMAIN IN PLACE UNTIL THE WELL IS CASED AND CEMENTED AT TD.

SURFACE CASING WILL BE SET AT 260' AND THEN DRILLED TO 2300' WITH FRESH WATER.
INTERMEDIATE CASING WILL BE SET AT 2300' AND CEMENTED TO SURFACE, TO PROTECT ANY FRSH WATER ZONES
IN THE SAN ANDRES FORMATION.

PROPOSED LOGS WILL BE:
COMP. NEUTRON/LITHODENSITY LOG, DUAL LATERAL/MSFL, DIGITAL SONIC, FORMATION MICROSCANNER

14. I hereby certify that the foregoing is true and correct

Signed <u>Roy Matthews</u>	Title <u>DRILLING TECHNICAL ASSISTANT</u>	Date <u>4/11/95</u>
(This space for Federal or State office use)		
Approved by <u>[Signature]</u>	Title <u>Acting [Signature]</u>	Date <u>4-13-95</u>
Conditions of approval, if any:		

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

SIMULTANEOUS DEDICATED

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-28480	Pool Code 79040	Pool Name INDIAN BASIN ; Upper Penn Pro Gas
Property Code	Property Name BOGLE FLAT UNIT GAS COM.	Well Number 10
OGRID No.	Operator Name CHEVRON U.S.A. INC.	Elevation 4063'

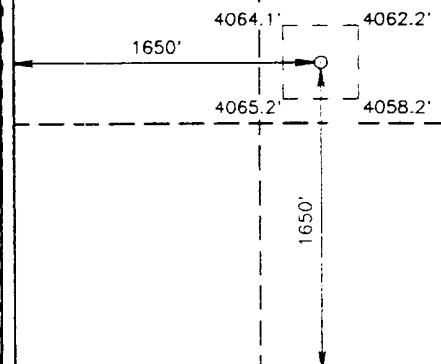
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	3	22S	23E		1650	SOUTH	1650	WEST	EDDY

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
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

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

LOT 4	LOT 3	LOT 2	LOT 1
49.58	49.39	49.19	49.00
#1			
			
OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>P.R. Matthews</i> Signature P.R. MATTHEWS Printed Name DRILLING TECH. Title 3-1-95 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. JANUARY 30, 1995 Date surveyed SAW Signature Professional Surveyor No. 3239 2-07-95 W. N. M. 95-11-0121 WEST. 676 RONALD J. EIDSON, 3239			

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Department of Minerals and Natural Resources

Form C-102
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

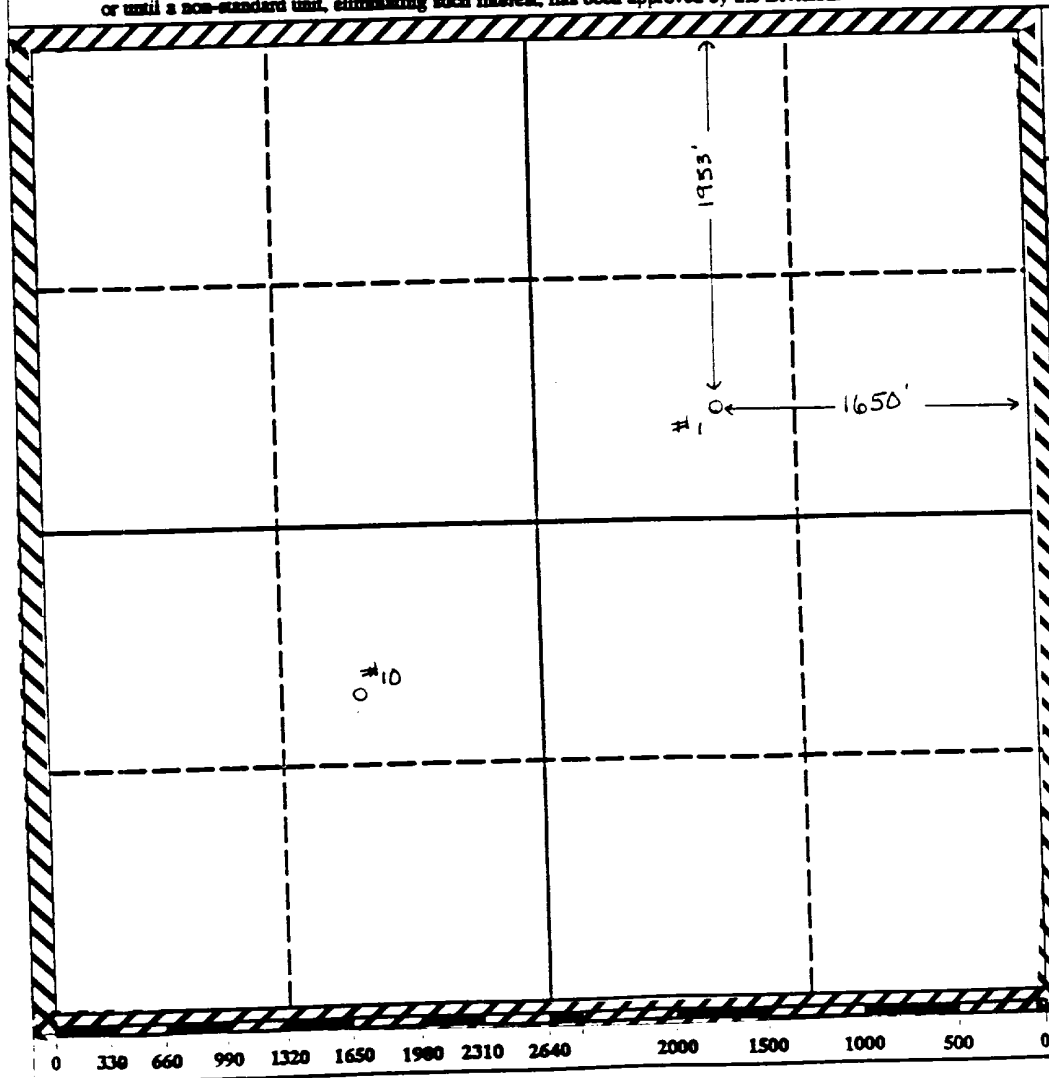
SIMULTANEOUS DEDICATED

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator CHEVRON U.S.A. INC.			Lease BOGLE FLATS UNIT GAS COM.		Well No. 10
Unit Letter G	Section 3	Township 22s	Range 23e	County EDDY	NMPM
Actual Footage Location of Well: 1953 feet from the NORTH line and 1650 feet from the EAST line					
Ground level Elev.		Producing Formation INDIAN BASIN		Dedicated Acreage: 677 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or 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.

R. Matthews
Signature

RORY MATTHEWS

Printed Name

DRILLING TECH.

Position

CHEVRON U.S.A. INC.

Company

3-6-95

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 knowledge and belief.

Date Surveyed

Signature & Seal of
Professional Surveyor

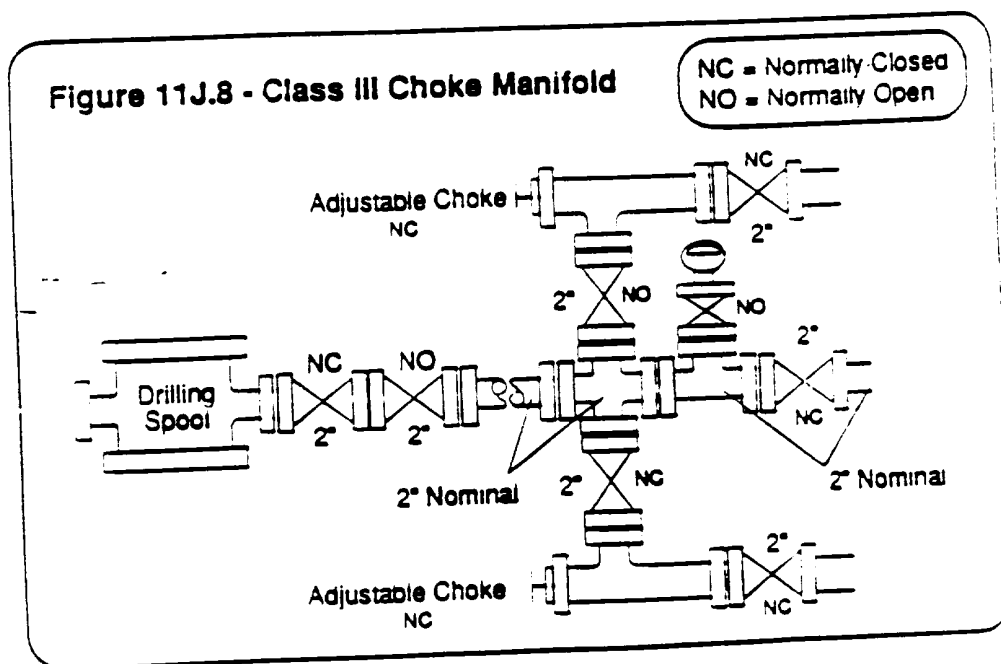
Certificate No.

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:

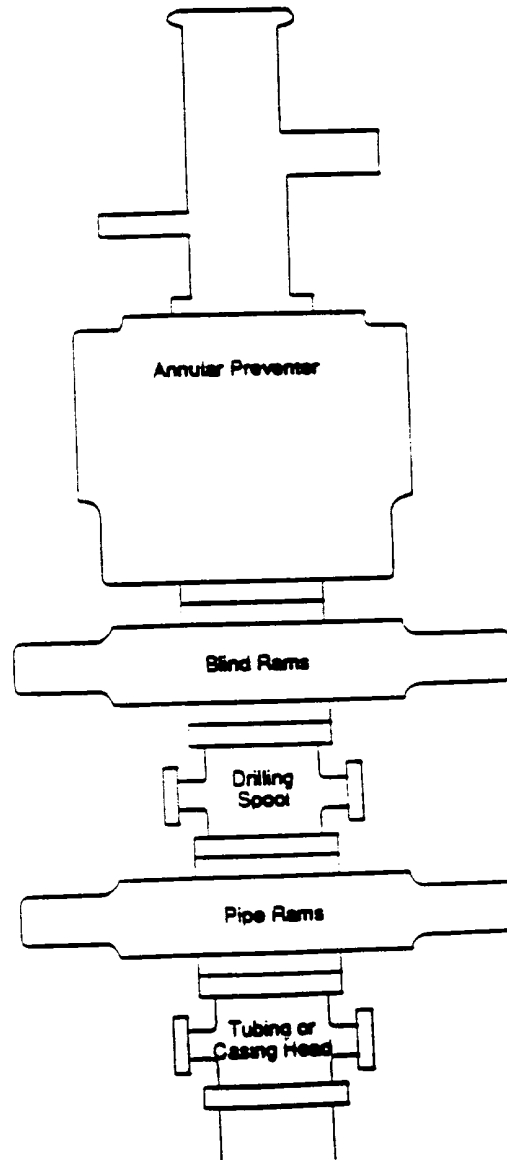
1. The manifold is attached to a drilling spool or the top ram preventer side outlet.
2. The minimum internal diameter is 2" (nominal) for outlets, flanges, valves and lines.
3. Includes two steel gate valves in the choke line at the drilling spool outlet. The inside choke line valve may be remotely 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.



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**



Rev. 1/1/89