

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. LC064118
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Plains Petroleum Operating Company			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 415 West Wall, Suite 1000, Midland, TX 79701			8. FARM OR LEASE NAME Eva E. Blinbry
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface Unit G, 1860' FNL & 1980' FEL At proposed prod. zone			9. WELL NO. #21
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 10.3 miles NE of Jal, New Mexico			10. FIELD AND POOL, OR WILDCAT Langlie Mattix (7RVS ON) G.S.
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)	660'	16. NO. OF ACRES IN LEASE 520	17. NO. OF ACRES ASSIGNED TO THIS WELL 20 → 40 SJS
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	120'	19. PROPOSED DEPTH 3700'	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3274' GR			22. APPROX. DATE WORK WILL START* 6-1-93

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	32# J-55, ST&C	350'	144 sx Class "C" CIRCULATE
7-7/8"	5-1/2"	14# J-55, ST&C	3700'	615 sx Class "C" CIRCULATE

We propose to drill this well through the Queen-Penrose and to complete as a Queen-Penrose water injection well.

Mud Program: 0 - 350' Spud mud, FW, gel
350' - 3700' Brine and native mud, mud wt 10-10.2 ppg

BOP: A 300 psi Shaffer double hydraulic operated BOP will be used and tested at installation, drill out, and at each time they are removed or rearranged. BOP used as two mud system.

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. 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.

24. SIGNED Mark A. Nieberding Mark A. Nieberding TITLE Petroleum Engineer DATE February 11, 1993

(This space for Federal or State office use)

PERMIT NO. (ORIG. SGD.) RICHARD L. MANN APPROVAL DATE ARFA MANAGER

APPROVED BY _____ TITLE _____ DATE 5/26/93

CONDITIONS OF APPROVAL, IF ANY:

COMPLIANCE TO
FEDERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

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

OIL CONSERVATION DIVISION

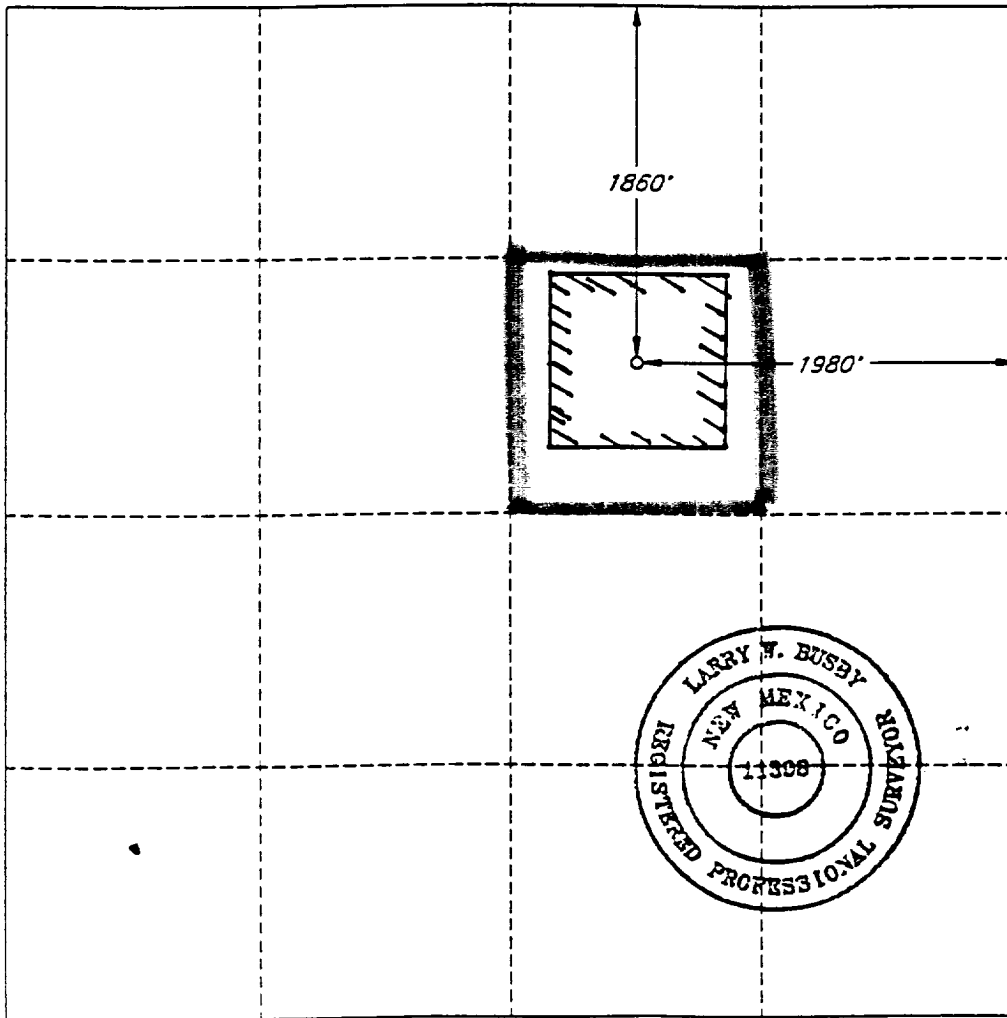
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the section.

Operator PLAINS PETROLEUM OPERATING CO.			Lease EVA BLINEBRY FEDERAL		Well No. 21
Unit Letter G	Section 34	Township 23 SOUTH	Range 37 EAST, N.M.P.M.	County LEA	
Actual Footage Location of Well					
1880' feet from the		NORTH line and		1980 feet from the	
Ground Level Elev. 3274'		Producing Formation QUEEN-PENROSE		Pool LANGUE MATTIX (7 RURS - QUEEN) 207 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 the owners been consolidated by communitization, unitization, forced-pooling, etc.?
☐ Yes ☐ No If answer is "yes", type of consolidation _____
If the answer is "no", list the owners and tract descriptions which have actually been consolidated. (Use the 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 herein is true and complete to the best of my knowledge and belief.

Signature
Mark A. Nieberding
Printed Name
Mark A. Nieberding
Position
Petroleum Engineer
Company
Plains Petroleum Operating Co
Date
2/11/93

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
FEBRUARY 9, 1993

Signature and Seal of
Professional Surveyor

Larry W. Busby

Certificate No.
LARRY W. BUSBY R.P.S. #11398

APPLICATION TO DRILL

PLAINS PETROLEUM OPERATING COMPANY
Eva Blinebry No. 21
1860' FNL & 1290' FEL, Sec 34-T23S-R37E
Lea County, New Mexico
Lease no. 064118

In addition with Form 3160-2, Application to Drill the above well, Plains Petroleum Operating Company submits the following in accordance with BLM requirements.

1. ESTIMATED GEOLOGICAL MARKERS

<u>FORMATION</u>	<u>TOP</u>	<u>SS</u>
T1 Anhydrite	1060	+2225
T1 Salt	1140	+2145
B1 Salt	2350	+935
Yates	2550	+735
Seven Rivers	2635	+600
Queen	3105	+180
Penrose	3405	-120

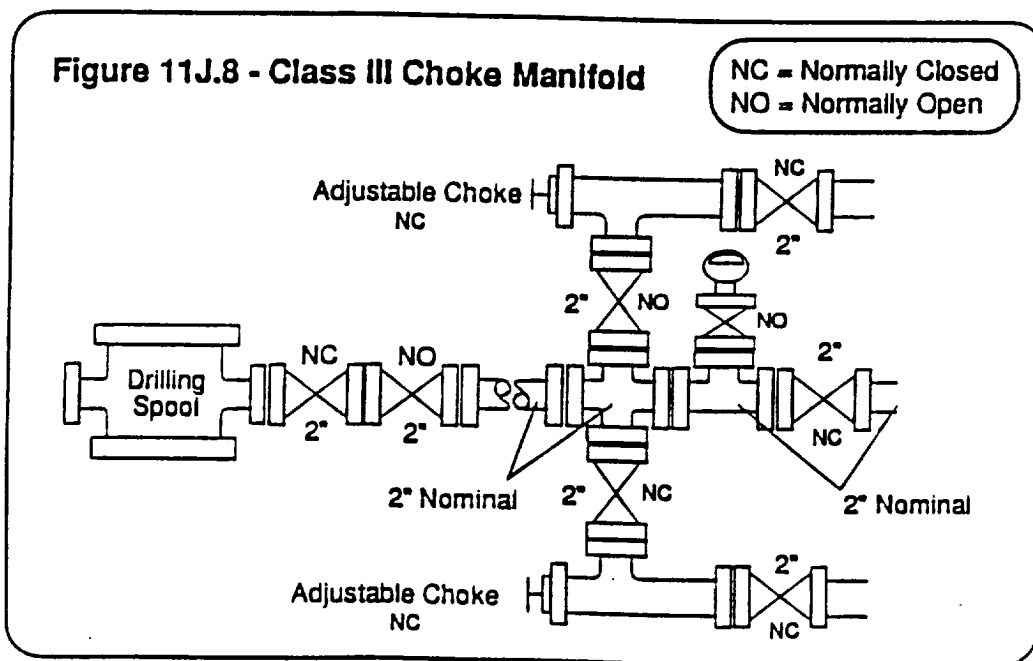
GL: 3274'

2. CASING DETAIL

	<u>CASING SIZE OD</u>	<u>INTERVAL</u>	<u>LENGTH OF INTERVAL</u>	<u>WEIGHT #/FT</u>	<u>INTERVAL WEIGHT</u>	<u>CASING GRADE</u>	<u>JOINT</u>
Surface	8-5/8"	0-350'	350'	24#/Ft	8,400	J-55	STC
Production	5-1/2"	0-3700'	3700'	14#/Ft	51,800	J-55	STC
Tubing	2-3/8"	0-3600'	3600'	4.7#/Ft	16,920	J-55	EUE

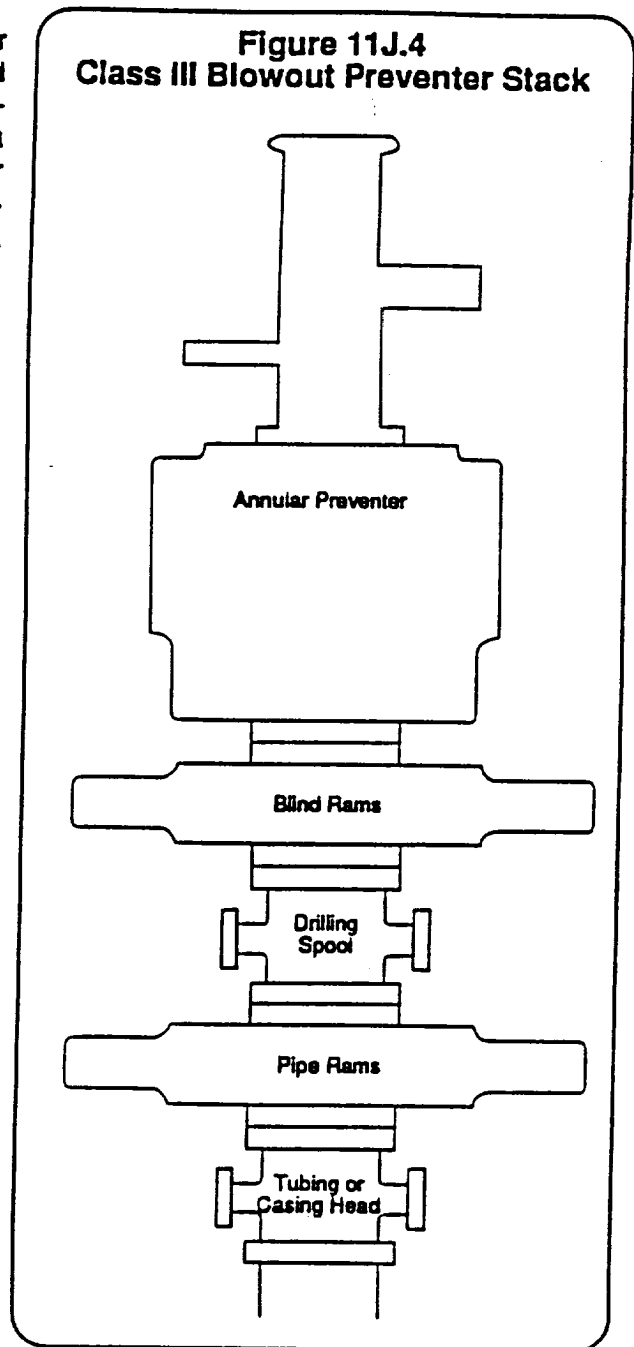
The Class III choke manifold is suitable for Class III workovers and drilling operations. The Standard Class III choke manifold is shown in Figure 11J.8 below. Specific design features of the Class III manifold include:

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.



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



5/25/93
1
2
3

RECEIVED
JUN 01 1993
OCD HOBBS OFFICE