30-025-31676

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE* (Other instruct. on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: ~~71-64118~~ LC-064118

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] OTHER WIW SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Plains Petroleum Operating Company

8. FARM OR LEASE NAME: Eva E Blinebry A

3. ADDRESS OF OPERATOR: 415 W. Wall, Suite 1000, Midland, Texas 79701

9. WELL NO.: 19

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: Unit H 1320' FNL & 20' FEL
At proposed prod. zone:

10. FIELD AND POOL, OR WILDCAT: Langlie Mattix ~~Teague~~ (7RVS QN)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 34 T-23S, R-37E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 10.3 miles NE of Jal, New Mexico

12. COUNTY OR PARISH: Lea

13. STATE: NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 20'	16. NO. OF ACRES IN LEASE: 520	17. NO. OF ACRES ASSIGNED TO THIS WELL: 20
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 919'	19. PROPOSED DEPTH: 3650'	20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3256'GR

22. APPROX. DATE WORK WILL START*: 7/15/92

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	3650'	615 sx Class "C" CIRCULATE

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

Mud Program: 0 - 350' Spud mud, FW and gel
350'-3650' Brine and native mud, mud wt 10 - 10.2 ppg

BOP: A 3000 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 a 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 Nickerding TITLE Petroleum Engineer DATE 6/23/92

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 8-3-92

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*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.

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

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 1-1-89

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

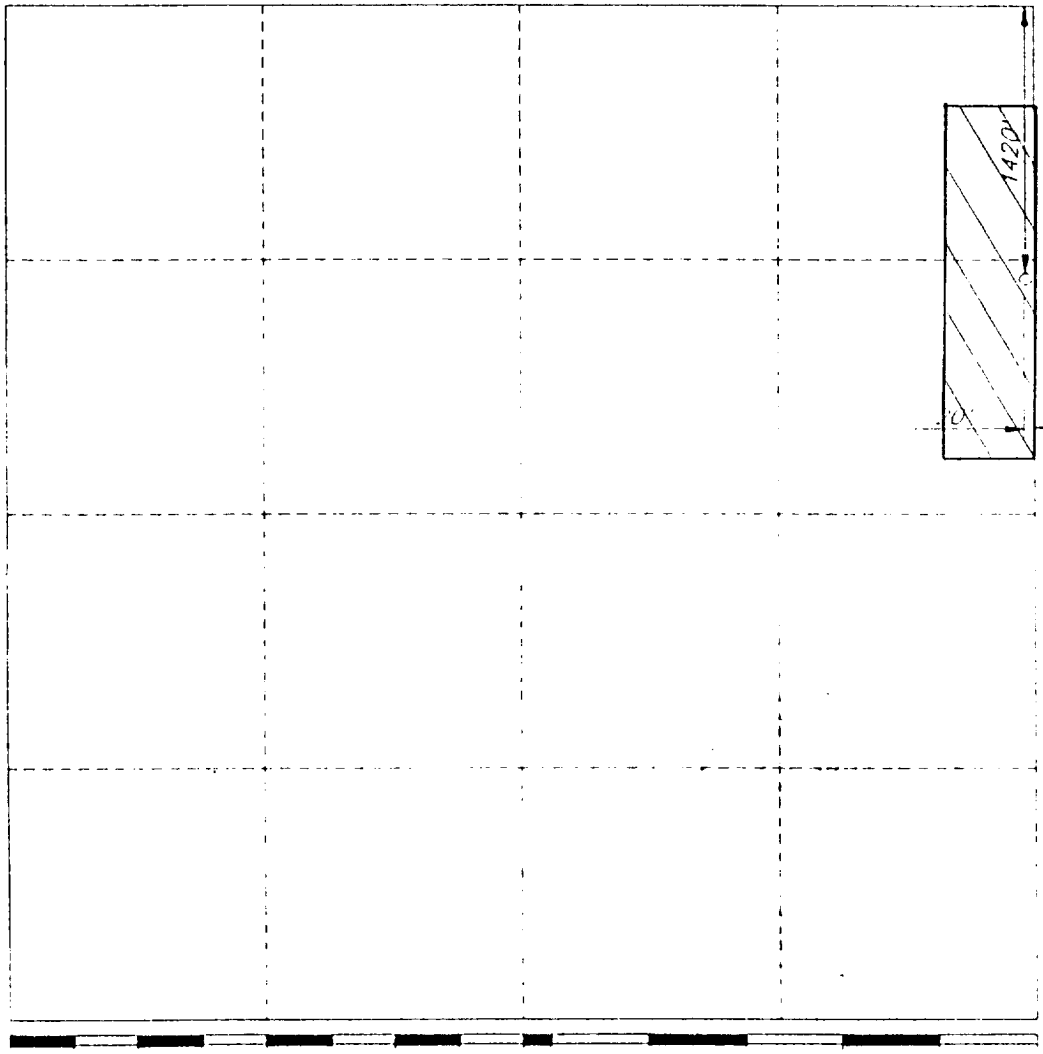
Operator	Lease	Well No.
PLAINS PETROLEUM OPERATING CO.	EVA B BLINEBRY	19

Unit Letter	Section	Township	Range	County
H	34	23-SOUTH	37-EAST NMPM	LEA

Actual Footage Location of Well
1420 feet from the NORTH line and 20 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Acres
3256'	QUEEN-PENROSE	~~LEAGUE~~ Langlie Mattix (7 RIVERS-QUEEN)	~~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 neccessary.) _____
   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 OPER. CO.
Date: 7/2/92

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: JULY 2, 1992
Signature and Seal of Professional Surveyor

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

LWB

12563O

APPLICATION TO DRILL

PLAINS PETROLEUM OPERATING COMPANY
Eva Blinebry No. 19
1320' FNL & 20' 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

FORMATION	TOP	SS
Tl Anhydrite	1040	+2216
Tl Salt	1140	+2116
Bl Salt	2335	+921
Yates	2730	+526
Queen	3070	+186
Penrose	3380	-124

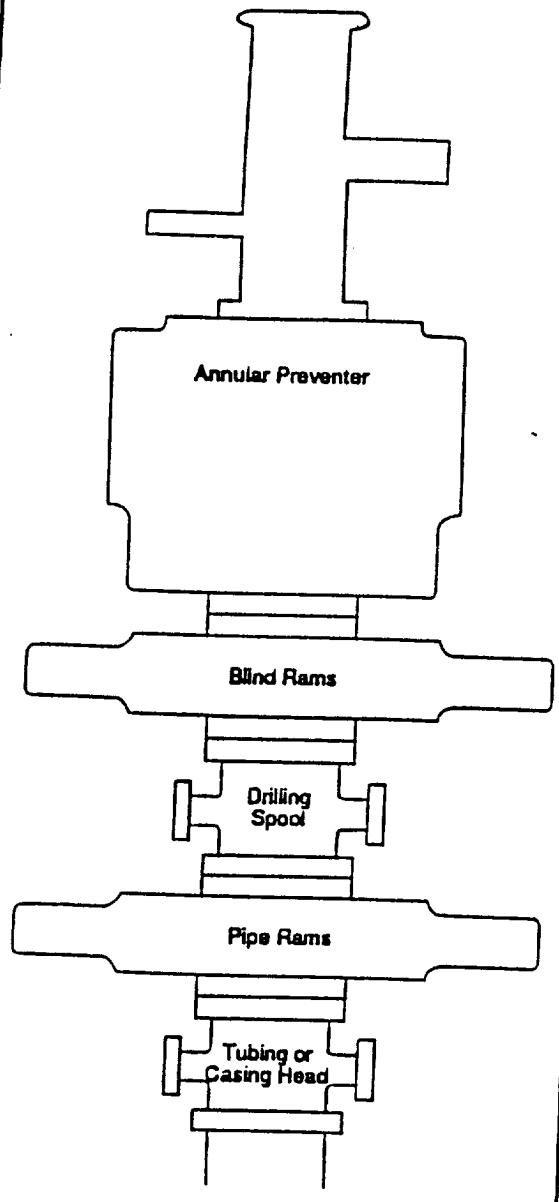
GL: 3256'

2. CASING DETAIL

	CASING SIZE OD	INTERVAL	LENGTH OF INTERVAL	WEIGHT #/FT	INTERVAL WEIGHT	CASING GRADE	JOINT
Surface	8-5/8"	0-350'	1175'	24#/Ft	8,400	J-55	STC
Production	5-1/2"	0-3650'	3650'	14#/Ft	51,100	J-55	STC
Tubing	2-3/8"	0-3600'	3600'	4.7#/Ft	16,920	J-55	EUE

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



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 minimun 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 blooey 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 seperator 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.