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

SUBMIT IN TRIPLICATE*
(Other instructions 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.: NMLC 064118

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

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

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

8. FARM OR LEASE NAME: E. C. HILL "B" FEDERAL

2. NAME OF OPERATOR: PLAINS PETROLEUM OPERATING COMPANY

9. WELL NO.: 14

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

10. FIELD AND POOL, OR WILDCAT: Teague Blinebry

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: Unit Letter M, 330' FSL & 330' FWL
At proposed prod. zone:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 35, T23S, R37E

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

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): 330'

16. NO. OF ACRES IN LEASE: 520

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 467'

19. PROPOSED DEPTH: 5850'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 3750

22. APPROX. DATE WORK WILL START*: As soon as possible

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"	24#, J-55	1175'	550 sx Circ
~~7-7/8"~~	~~5-1/2"~~	~~15.5#, K-55~~	~~5850'~~	~~1645 sx Circ~~

Propose to drill this well through the Blinebry and complete as a Blinebry producer.

Mud Program
0' - 1175' Spud Mud, FW, gel
1175' - 5850' Brine & native mud, MW 10-10.2 ppg
Vis 26-28, SW gel for logs

BOP
A 3000 psi Shaffer double hydraulic operated will be used and tested at installation, drill out and each time they are removed or rearranged. BOP used as a two mud system.

Approval Subject to General Requirements and Special Stipulations Attached

OPER. OGRID NO. 17891
PROPERTY NO. 9282
POOL CODE 58340
EFF. DATE 5-31-96
API NO. 30-025-33462

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 Stephen D. Owen TITLE Petroleum Engineer DATE 4-19-96

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY (ORIG. SGD.) RICHARD L. MANUS TITLE Area Manager DATE MAY 22 1996

CONDITIONS OF APPROVAL, IF ANY:

*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.

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

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

Form C-102
Revised 02-10-94

Instructions on back

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-025-33467	58300	Teague Blinebry

4 Property Code	5 Property Name	6 Well Number
009280	E. C. HILL 'B' FEDERAL	14

7 OGRID No.	8 Operator Name	9 Elevation
17805	PLAINS PETROLEUM OPERATING COMPANY	3250'

10 SURFACE LOCATION

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	35	23 SOUTH	37 EAST, N.M.P.M.		330'	SOUTH	330'	WEST	LEA

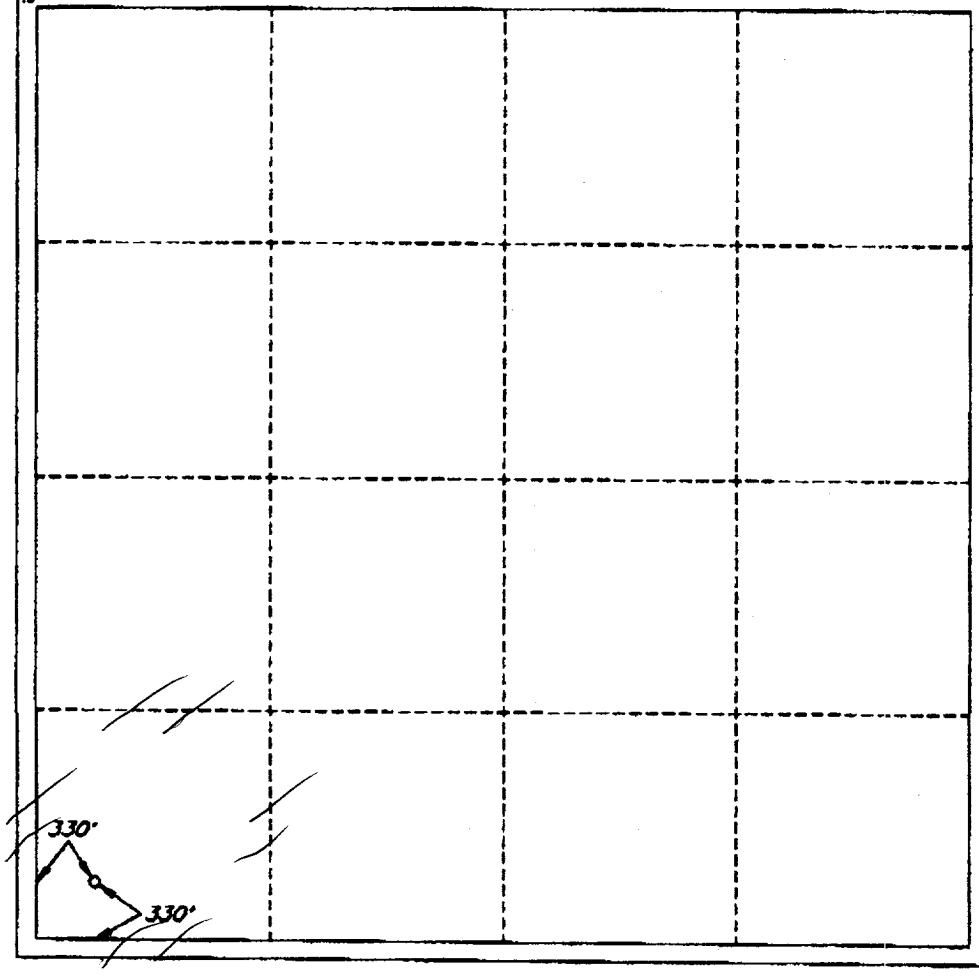
11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
40			

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: Stephen D. Owen
Printed Name: Stephen D. Owen
Title: Area Engineer
Date: 4-19-96

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.

Date of Survey: APRIL 16, 1996

Signature & Seal of Professional Surveyor: STATE OF NEW MEXICO V. LYNN BEZNER NO. 7920

Certificate No. V. LYNN BEZNER #7920

JOB [illegible] SW / JSJ

Form 3160-5
(June 1990)

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 to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
NMLC-064118

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
E. C. Hill "B" Federal #14

2. Name of Operator
Plains Petroleum Operating Company

9. API Well No.

3. Address and Telephone No.
415 West Wall, Suite 1000, Midland, Texas 79701 (915) 683-4434

10. Field and Pool, or Exploratory Area
Teague Blinebry

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
330' FSL & 330' FWL
Sec 35, T23S, R37E, Unit Letter M

11. County or Parish, State
Lea Co., NM

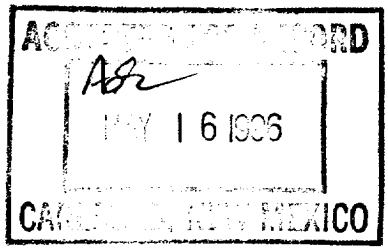
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other Correction to APD	☐ Dispose Water

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated 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.)*

4/19
Page 4 of the APD filed ~~May 8,~~ 1996 states "Hydrogen sulfide is not expected to be encountered with this well". This should read "Hydrogen sulfide may be encountered in this well". A complete safety plan has been submitted to the BLM for other recently drilled wells in this half-section, i.e. the Eva E. Blinebry #21. The same Hydrogen Sulfide Drilling plan will be implemented and a copy of the plan will be on location while drilling this well.



14. I hereby certify that the foregoing is true and correct
Signed Stephen D. Owen Title Area Engineer Date May 14, 1996

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
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.

*See Instruction on Reverse Side

APPLICATION TO DRILL

PLAINS PETROLEUM OPERATING COMPANY
E. C. HILL "B" Federal #14
330' FSL & 330' FWL
Sec 35 (M), T23S, R37E
Lea County, New Mexico
Lease No. NMLC 064118
April 19, 1996

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

GL: 3250' KB: 3262'

FORMATION	TOP	SS
Penrose	3404'	-137'
Glorietta-Paddock	4927"	-1680'
Blinebry	5307'	-2060'

2. CASING DETAIL

	CASING SIZE OD	INTERVAL	LENGTH OF INTERVAL	WEIGHT #/FT	INTERVAL WEIGHT	CASING GRADE	JOINT
Intermediate	8-5/8"	0' - 1175'	1175'	24#/ft	28,200	K-55	STC
Production	5-1/2"	0'- 5850'	5850'	15.5#/ft	90,9730	K-55	LTC
Tubing	2-7/8"	0 -5800'	5800'	6.4#	27,260	J-55	EUE

3. CEMENTING & FLOAT EQUIPMENT DETAIL

WELL DATA	SURFACE	PRODUCTION (TD 5850')
Depth	1175'	5850'
Casing Size	8-5/8"	5-1/2"
Hole Size	12-1/4"	7-7/8"
Desired Fill	Surface	4900', Surface
Hole Volume	485 Ft^3	165 Ft^3, 872 Ft^3
Recommended Volume	970 FT^3	247 Ft^3, 1308 Ft^3
DV Tool Depth	N/A	2900'

SLURRY

	Surface	1st Stage	2nd Stage
Recommend	735 sx 'C' + 2% $Cacl_2$ + 1/4#/sk Celloseal	Lead: 100 sx 36:65 Poz "C" + 6% Gel + 9PPS Salt +.2%+ .2% Defoamer + .8% F.L. Additive Tail: 250 sx 50:50 Poz 'C' + 2% Gel + 4 PPS Salt + .2% Defoamer + .6% F. L. Additive	Lead: 1175 sx "C"' + .25% Dispersent + 2.5% Extender + .5% Gel + .2% Salt + 1/4 PPS Cellophane Tail: 120 sx "C" Neat 2.85 Ft^3
Yield	1.32 Ft^3	2.14, 1.32 Ft^3Ft/sk	2.85 Ft^3
Weight	14.8 PPG	12.7, 14.2 PPG	11.6 PPG
Mix Water	6.32 gal/sk	11.6, 6.2 gal/sk	17.2 gal/sk

4. MUD DETAIL

DEPTH	PROPERTIES	TREATMENT
0 - 1175'	Weight: 8.7 - 9.4 Viscosity: 33 35 Solids: <4.	Spud Mud: Fresh water gel with sufficient viscosity to clean hole.

1175' - 5850'	**Weight: 10.0 - 10.2 Drill out from surface csg with brine water** **Viscosity: 26 - 28** **Solids: < 1.0**

5. PRESSURE CONTROL EQUIPMENT (BOPE) DETAIL

11" API Shaffer 3000# series 900 dual hudraulic preventers adapted for the drilling contractors 4-1/2" and 5-1/2" drill pipe. The BOPS will be tested after they are installed on the surface casing, prior to drilling out, and each time they are removed or rearranged on the wellhead. See Exhibit A.

6. TESTING AND LOGGING PROGRAMS

TESTING

Drill stem tests may be performed to quantify and identify prospective producing horizons as drilling progresses. Production testing will be commenced after the well is drilled and casing has been set and cemented.

LOGGING

At TD, the following open hole well logs will be run: GR-CNL-CDL-DLL-MLL

7. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are anticipated. Hydrogen sulfide is not expected to be encountered with this well.

8. ANTICIPATED START DATE:

May 28, 1996 with completion on or about June 16, 1996.

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