NMOCD – Hobbs

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

SUBMIT 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.: LC 034711

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT AGREEMENT NAME:

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

8. FARM OR LEASE NAME: BAYLUS CADE

2. NAME OF OPERATOR: PLAINS PETROLEUM OPERATING COMPANY

9. WELL NO.: 5

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 N, 985' FSL & 1650' 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.: 450'

19. PROPOSED DEPTH: ~~5850'~~ 6026'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 3244'

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

23. PROPOSED CASING AND CEMENTING PROGRAM

Capitan Controlled Water Basin

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#, K-55, ST&C	1175'	550 sx circulate/WITNESS
7-7/8"	5-1/2"	15.5#,J-55,LT&C	~~5850~~ 6026'	1645 sx circulate

SJS

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

Mud Program:
0' - 1175' Spud Mud, FW, gel
1175' - ~~5850'~~ 6026' Brine & native mud, Mud Wt 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.

OPER. OGRID NO. 17805
PROPERTY NO. 9276
POOL CODE 58350
EFF. DATE 4-19-94
API NO. 30-025-32482

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 Bonnie Husband TITLE Administrative Assistant DATE March 4, 1994

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED (ORIG. SGD.) RICHARD L. MANUS TITLE AREA MANAGER DATE APR 14 1994

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

APPROVAL OF THIS APPLICATION 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.

*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.

APPLICATION TO DRILL

PLAINS PETROLEUM OPERATING COMPANY
BAYLUS CADE #5
985' FSL & 1650' FWL, Unit Letter N, SEC 35, T23S-R37E
LEA COUNTY, NEW MEXICO
LEASE NO. LC 034711
March 4, 1994

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
Salt	1185'	+ 2059'
Yates	2493'	+ 751'
Queen	3230'	+ 14'
Glorietta	4898'	- 1654'
Paddock	5010'	- 1766'
Blinebry	5246'	- 2002'
Tubb	5856'	- 2612'

GL: ± 3244'

2. CASING DETAIL

	Size OD	Interval	Casing Of Interval	Weight #/Ft	Length Interval Weight	Casing Grade	Joint
Surface	8-5/8"	0-1175'	1175'	24#/Ft	28,200	K-55	ST&C
Production	5-1/2"	0-~~5875'~~ 6026' ~~5875'~~ (SLS)		15.5#/Ft	91,063	J-55	LT&C
Tubing	2-3/8"	0-5800'	5800'	4.7#/Ft	27,260	J-55	EUE

3. CEMENTING & FLOAT EQUIPMENT DETAIL

WELL DATA	SURFACE	PRODUCTION (TD ~~3850'~~ 6026' SJS)
Depth	1175'	~~3850'~~
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	4900'

SLURRY

		1st Stage	2nd Stage
Recommendation	735 sx "C" + 2% $Cacl_2$ + 1/4#/sk Celloseal	Lead: 100 sx 36:65 Poz "C" + 6% Gel + 9 PPS Salt + .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 PPF Cellophane Tail: 120 sx Cl"C" Neat
Yield	1.32 Ft^3	2.14, 1.32 Ft^3/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' - ~~3336'~~ 6026' SJS	Weight: 10.0 - 10.2 Viscosity: 26 - 28 Solids: < 1.0	Drill out from surface csg with brine water

5. PRESSURE CONTROL EQUIPMENT (BOPE) DETAIL

11" API Shaffer 3000# series 900 dual hydraulic 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. H_2S contingency plan is attached.

8. ANTICIPATED START DATE:

June 1994 with completion on or about July 1994.

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.

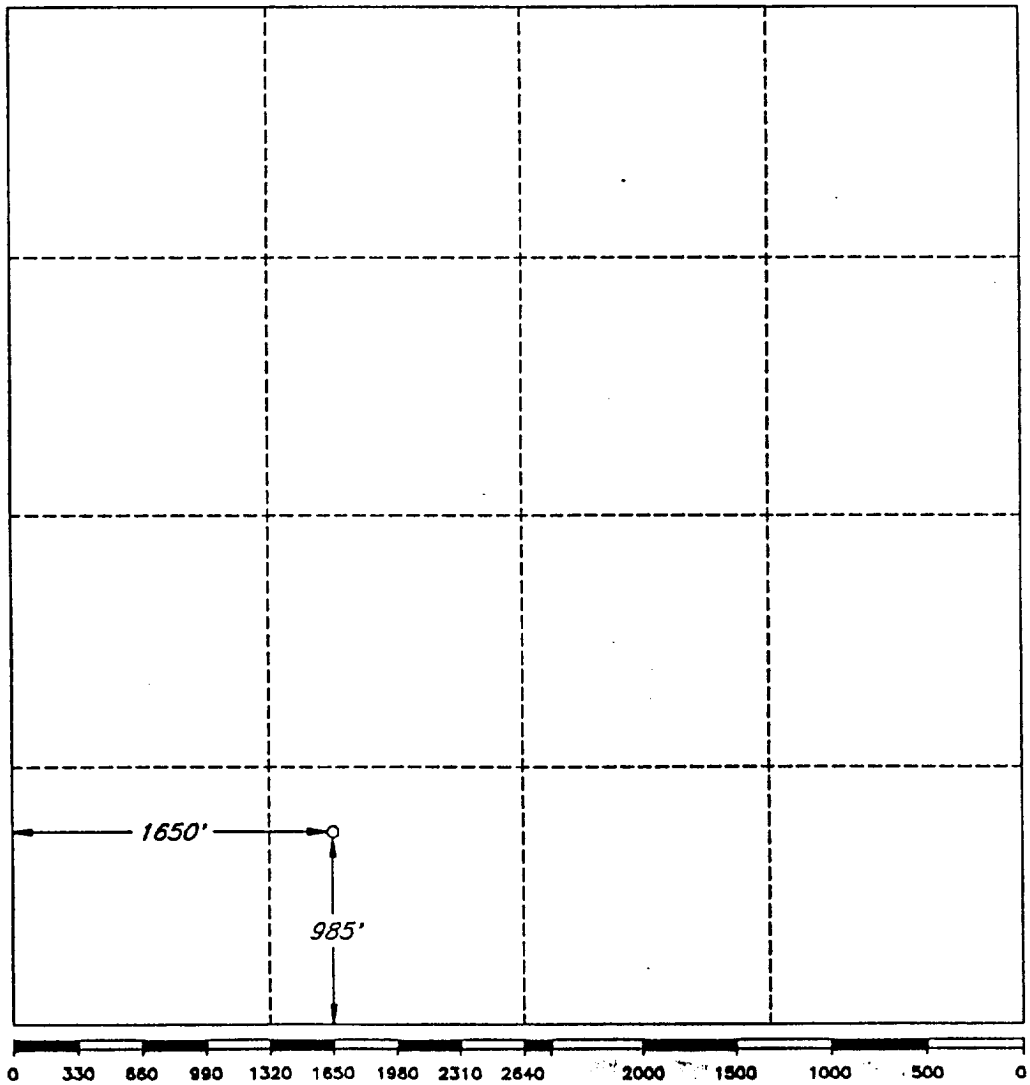
Operator	Lease	Well No.
PLAINS PETROLEUM OPER. CO.	BAYLUS CADE FEDERAL	5

Unit Letter	Section	Township	Range	County
N	35	23 SOUTH	37 EAST, N.M.P.M.	LEA

Actual Footage Location of Well:
985 feet from the SOUTH line and 1650 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	
3244'	Blinebry	Teague Blinebry	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: Bonnie Husband
Printed Name: Bonnie Husband
Position: Administrative Assist.
Company: Plains Pet. Oper. Co.
Date: March 4, 1994

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: MARCH 2, 1994
Signature and Seal of Professional Surveyor: WAYNN BEZNER NO. 7920 REGISTERED LAND SURVEYOR
Certificate No. V. L. BEZNER R.P.S. #7920

cls / 32156 / 455W

123630

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