

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

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## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE☒ MULTIPLE  
ZONES

## 2. NAME OF OPERATOR

BHP Petroleum ( Americas ) Inc. 2217 ✓

## 3. ADDRESS AND TELEPHONE NO.

P. O. Box 977, Farmington, New Mexico, 87499, 505 - 327 - 1639

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At surface 1460' FNL - 790' FEL

At proposed prod. zone

same

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

4.8 miles southeast of Farmington, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

790'

## 16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160.58 ✓

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

700'

## 19. PROPOSED DEPTH

1750'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

This action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3

5632' GR

## 22. APPROX. DATE WORK WILL START\*

As soon as approved

## 23. and appeal pursuant to 43 CFR 3165.4.

PROPOSED CASING AND CEMENTING PROGRAM SUBJECT TO COMPLIANCE WITH ATTACHED

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8.750 "	7.000 " - K55	20	130'	59 cu. ft.
6.250 "	4.500 " - K55	10.5	1750'	273.2 cu. ft.

BHP Petroleum ( Americas ) Inc. proposes to spud in the Nacimiento Formation. Will drill an 8 3/4 " hole to 130 feet. Run and cement surface casing with cement returns to surface. WOC 12 hours. Test casing and BOPE to 600 psig for 15 minutes. Drill a 6 1/4 " hole to 1750' using a fresh water mud. No abnormal pressures or poisonous gases are anticipated. Adequate weight material will be on location to control any unforeseen flows from the Farmington sands. Run logs at TD. Run and cement production casing with cement returns to surface. WOC 12 hours. Move out drilling rig and move in completion unit. Pressure test production casing to 2500 psig for 15 minutes prior to perforating. Run cased hole correlation logs. Perforate Pictured Cliffs and stimulate using a fresh water based gel or foam system.

Surface ownership is Federal (BLM).

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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

TITLE

Operations Superintendent

DATE

11/3/95

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application 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

TITLE

NMOCD

\*See Instructions On Reverse Side

APPROVED  
AS AMENDED

DEC 08 1995

DISTRICT MANAGER

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-29321		2 Pool Code 79680	3 Pool Name West Kutz Pictured Cliffs
4 Property Code 2038	5 Property Name GALLEGOS CANYON UNIT		6 Well Number 540
7 OGRID No. 2217	8 Operator Name BHP PETROLEUM (AMERICAS) INC.		9 Elevation 5632

10 Surface Location

UL or lot no. H	Section 21	Township 29 N	Range 12 W	Lot Idn	Feet from the 1460	North/South line North	Feet from the 790	East/West line East	County San Juan
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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 160.58		13 Joint or Infill		14 Consolidation Code U		15 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

16 N 89°50'W 39.81ca. NM06237 1460' 790' Sec. 21 S 89°54'W 39.928ca. S 89°48'W 39.952ca. N 0°50'E 80.98ca.				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature J. C. Harris Title Operations Superintendent Date 11/3/95	
18 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 12/12/95 Signature and Seal of Professional Surveyor Willard M. Mahnke II Certificate Number 8466					