

UNITED STATES
DEPARTMENT OF THE INTERIOR

(reverse side)

Expires August 31, 1985

BUREAU OF LAND MANAGEMENT *30-045-28755*

5. LEASE DESIGNATION AND SERIAL NO.

SFO78780

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

7. UNIT AGREEMENT NAME

Gallegos Canyon Unit

8. FARM OR LEASE NAME

Gallegos Canyon Unit

9. WELL NO.

13

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

11. SEC., T., R., OR BLK.

Sec. 7, T28N, R11W, NMPM

12. COUNTY OR PARISH

San Juan NM

B. TYPE OF WELL

OIL ☐

GAS ☒

OTHER ☐

SINGLE ☐

MULTIPLE ☐

2. NAME OF OPERATOR

BHP Petroleum (Americas), Inc.

3. ADDRESS OF OPERATOR

P.O. Box 977 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)

At surface

1245' FSL and 1020' FEL

At proposed prod. zone

Same

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

7.3 miles southeast of Farmington, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

75'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED TO THIS WELL

267.42

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

227'

19. PROPOSED DEPTH

1700'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DP, RT, GR, etc.)

5509' GR

22. APPROX. DATE WORK WILL START

As soon as approved.

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7"	20# K-55	140'	50 sx (59 cu ft) Circ to surface
6 1/4"	4 1/2"	10.5# K-55	1700'	230 sx (286 cu ft) Circ to surface

Propose to spud in the San Jose formation. Will drill a 8 3/4" hole to a TD of 140'. Surface casing will be run and cemented with returns to surface. WOC 12 hours. Test to 2000 psi/30 minutes. Drill an 6 1/4" hole to a TD of 1700' using a fresh water mud. No abnormal pressures or poisonous gases are anticipated. Adequate weight material will be on location to control 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 to 2500 psi/30 minutes prior to perforating. Run cased hole correlation logs. Perforate Fruitland Coal and stimulate using a fresh water based gel or foam system.

55' of new, on lease, access road BLM ROW is applied for with this APD. All existing access road BLM ROW has been applied for via Form 299.

Surface ownership is BLM.

24.

SIGNED

[Signature]

TITLE Operations Superintendent

DATE 9/24/92

This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

**APPROVED
AS AMENDED**

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

100 07 1992

See Instructions On Reverse Side

ARFA MANAGER

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.

NM00D

Submit to 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

OIL CONSERVATION DIVISION

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

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

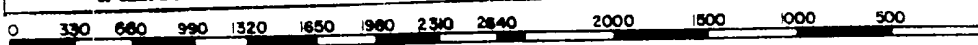
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brizos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator		Lease		Well No.	
BHP PETROLEUM (AMERICAS) INC.		GALLEGOS CANYON UNIT		413	
Unit Letter	Section	Township	Range	County	
P	7	28 N	11 W	NMPM: San Juan	
Actual Footage Location of Well:					
1245 feet from the		South	line and	1020	feet from the East line
Ground level Elev.		Producing Formation		Pool	
5509		Fruitland Coal		Basin Fruitland Coal	
				Dedicated Acreage:	
				267.42 Acres	
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 owners been consolidated by communitization, unitization, force-pooling, etc.? ☒ Yes ☐ No If answer is "yes" type of consolidation <u>Unitization</u> If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use 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 contained herein is true and complete to the best of my knowledge and belief.

Signature

Printed Name

Fred Lowery

Position

Operations Superintendent

Company

BHP Petroleum (Americas), Inc.

Date

July 10, 1992

SURVEYOR CERTIFICATION

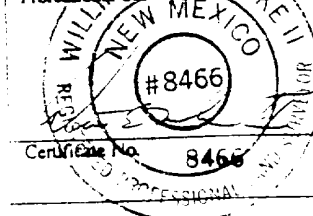
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

6-10-92

Date Surveyed

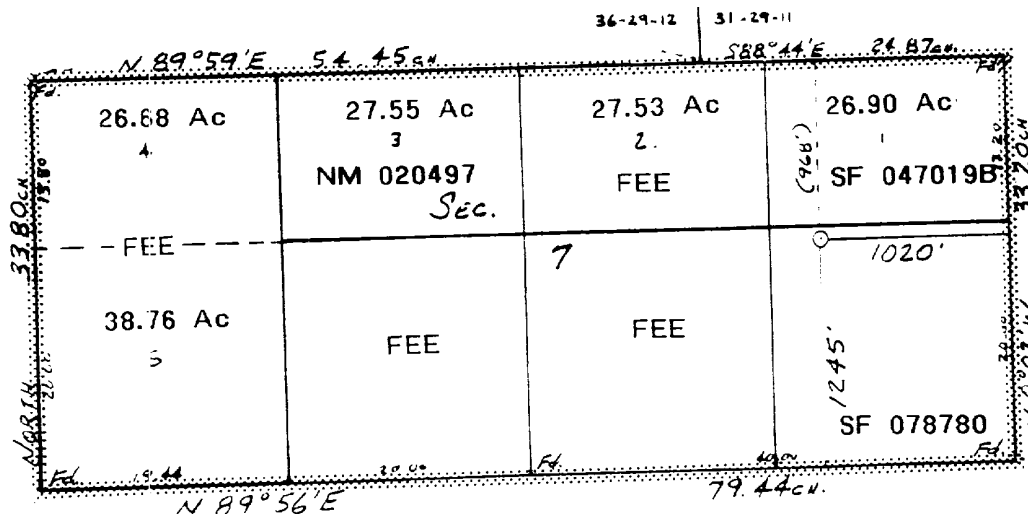
William E. Mahnke II

Signature of Surveyor
Professional Surveyor



Certificate No.

8466



RECEIVED

AUG 12 1992

OIL CON. DIV.

DIST. 3

Desert Hills
Ch

BM
5478

Gas Well

BHP Petroleum (Americas), Inc.
G.C.U. #413
1245' FSL and 1020' FEL
Sec. 7, T28N, R11W
San Juan Co., N.M.

R-1

26

Gas Well

98

SAN JUAN

Gas Well

Kutz

DITCH

MAIN

35

Gas Well

36

Gas Well

31

CANYON

HAMMOND

SJ CR 5500

Existing access

Proposed location

R 11 W

Proposed access

12

8

SIPHON

BM

5497

13

18

T
2
8
N

Gas Well

Horn

5845

5608

Oil Well

Oil Well

CANYON

PIPELINE