

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on the
reverse side)

Form 100-10
Budget Bureau N. 10004-
Expires August 31, 1985

LEASE DESIGNATION AND SERIAL

SF-078903A

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.

1. WELL TYPE
WELL ☐ GAS ☐
WELL ☒ WELL ☒ OTHER ☐

2. NAME OF OPERATOR

BHP Petroleum (Americas) Inc.

3. ADDRESS OF OPERATOR

5847 San Felipe Suite 3600 Houston TX 77057-3005

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2325' FSL & 1480' FW L

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5836' GR; 5844' KB

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo (NAPI)

7. UNIT AGREEMENT NAME

Gallegos Canyon Unit

8. FARM OR LEASE NAME

9. WELL NO.

378

10. FIELD AND POOL OR WILDCAT

Basin Fruitland

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Section 34 T28N-R12W

12. COUNTY OR PARISH 13. STATE

San Juan

New Mexico

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT OFF

REPAIR OR ALTER CASING

WATER SHUT OFF

☒

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETION

FRACTURE TREATMENT

☒

ALTERING CASING

SHOOTING OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

☒

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

Completion History

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

17. 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 perti-
nent to this work.) *

API No. 30-045-27554

A daily summary of the completion operations performed on the subject
well is attached.

RECEIVED

JUL 19 1990

OIL CON. DIV. 1
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED

Paul C. Bertoglio

TITLE

Sr. Petroleum Engineer

ACCEPTED FOR RECORD 7/24/90

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

JUL 12 1990

FARMINGTON RESOURCE AREA

BY

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well shut conditioned for final inspection looking to approval of the abandonment.

PRIVACY ACT

The Privacy Act of 1974 and the regulations in 43 CFR 2.184(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform these actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

BHP PETROLEUM (AMERICAS), INC.
GALLEGOS CANYON UNIT NO. 378
NE SW SECTION 34 T28N - R12W
BASIN FRUITLAND COAL FIELD
SAN JUAN COUNTY, NEW MEXICO

COMPLETION HISTORY

3-8-90 MI RUCT. ND wellhead and NU BOP. PU bit, casing scraper, and tubing. TIH and cleaned out well to 1702'. Circulated hole with 2% KCl water. Pressure tested casing to 3000 psi. - held OK. Swab well to 700'. Perforated Fruitland Coal from 1494'-96', 1501'-03', and 1505'-17' with 4 JSPF. PU packer and TIH. Set packer at 1485'. Swab well down and test gas - no blow. Broke down perms with 2 bbls of water. Swab back load and test well - no blow. SIFN.

3-9-90 Released packer and TOOH. Frac'd down casing at 20 BPM with 59,640 gals of 70 Q nitrogen foam containing 10,000# 40/70 and 50,000# 20-40 sand. Flowed back frac to tank thru a 3/8" choke nipple.

3-10-90 Well dead. TIH with tubing. Tag sand at 1562'. Swab well - recovered 2 bbls of fluid.

3-11-90 Well dead. Swab well - recovered 3 bbls of fluid - weak gas blow - gas will not burn. SI well.

3-12-90 22 hrs SITP - 220 psi.

3-13-90 Blew well down and swabbed well down - recovered 5 bbls of fluid. TOOH. Ran Tracer Check Log. TIH and landed at 1518' 46 jts 2 3/8" tubing. ND BOP and NU wellhead. SI well.

3-14-90 17 hrs SITP - 20 psi; SICP - 150 psi.

3-15-90 Ran swab and swabbed well down - weak gas blow. SI well to build pressure.

3-16-90 21 hrs SITP - 20 psi; SICP - 200 psi. Ran swab and swab well down - weak gas blow.

3-17-90 21 hrs SITP - 30 psi; SICP - 210 psi. Tried to unload well by flowing up casing - well died. Shut-in well.

3-18-90 17 hrs SITP - 20 psi; SICP - 136 psi.

3-19-90 41 hrs SITP - 24 psi; SICP - 164 psi.

3-20-90 65 hrs SITP - 24 psi; SICP - 180 psi.

3-21-90 Ran swab - recovered 8 bbls of water and small amount of gas. SI well - waiting on pumping unit installation.

3-23-90 Ran pump and rods. Set pumping unit. Set well to pumping - using propane for fuel.

3-24-90 24 hrs pumping - recovered 8 bbls of water. Testing gas volume thru a 2" orifice well tester with an 1/8" plate
- FCP - 12 psi - 10 MCFD.

3-25-90 FCP - 18 psi; rate 13 MCFD; recovered 6 bbls of water.

3-26-90 FCP - 25 psi; rate 17 MCFD; recovered 6 bbls of water.

3-27-90 FCP - 31 psi; rate 19 MCFD; recovered 6 bbls of water.

3-28-90 FCP - 38 psi; rate 23 MCFD; recovered 5 bbls of water.

3-29-90 FCP - 43 psi; rate 25 MCFD; recovered 5 bbls of water.

3-30-90 FCP - 48 psi; rate 27 MCFD; recovered 2 bbls of water.

3-31-90 FCP - 53 psi; rate 29 MCFD; recovered 2 bbls of water.

4-1-90 FCP - 63 psi; rate 33 MCFD; recovered 2 bbls of water.

4-2-90 FCP - 72 psi; rate 37 MCFD; recovered 2 bbls of water.

4-3-90 FCP - 72 psi; rate 37 MCFD; recovered 2 bbls of water.

4-4-90 FCP - 72 psi; rate 37 MCFD; recovered 2 bbls of water.

4-5-90 Change out plate to a 1/4". FCP - 25 psi; rate 55 MCFD; recovered 2 bbls of water.

4-6-90 FCP - 25 psi; rate 55 MCFD; recovered 2 bbls of water.

4-7-90 FCP - 25 psi; rate 55 MCFD; recovered 2 bbls of water.

4-8-90 FCP - 25 psi; rate 55 MCFD; recovered 2 bbls of water.

4-9-90 FCP - 25 psi; rate 55 MCFD; recovered 2 bbls of water.

4-10-90 FCP - 27 psi; rate 58 MCFD; recovered 2 bbls of water.

4-11-90 No report.

4-12-90 FCP - 30 psi; rate 62 MCFD; recovered 2 bbls of water.

4-13-90 FCP - 32 psi; rate 65 MCFD; recovered 2 bbls of water.

4-14-90 FCP - 33 psi; rate 66 MCFD; recovered 2 bbls of water.

4-15-90 FCP - 35 psi; rate 69 MCFD; recovered 2 bbls of water.

4-16-90	FCP - 35 psi; rate 69 MCFD; recovered 2 bbls of water.
4-17-90	FCP - 37 psi; rate 72 MCFD; recovered 2 bbls of water.
4-18-90	FCP - 39 psi; rate 74 MCFD; recovered 2 bbls of water.
4-19-90	FCP - 39 psi; rate 74 MCFD; recovered 2 bbls of water.
4-20-90	FCP - 41 psi; rate 77 MCFD; recovered 2 bbls of water.
4-21-90	FCP - 42 psi; rate 79 MCFD; recovered 2 bbls of water.
4-22-90	FCP - 43 psi; rate 80 MCFD; recovered 2 bbls of water.
4-23-90	FCP - 43 psi; rate 80 MCFD; recovered 2 bbls of water.
4-24-90	FCP - 44 psi; rate 81 MCFD; recovered 2 bbls of water.
4-25-90	FCP - 45 psi; rate 83 MCFD; recovered 2 bbls of water.
4-26-90	FCP - 46 psi; rate 84 MCFD; recovered 2 bbls of water.
4-27-90	FCP - 47 psi; rate 85 MCFD; recovered 0 bbls of water. Shut down pumping unit.
4-28-90	FCP - 44 psi; rate 81 MCFD; recovered 0 bbls of water.
4-29-90	FCP - 43 psi; rate 80 MCFD; recovered 0 bbls of water.
4-30-90	FCP - 37 psi; rate 72 MCFD; recovered 0 bbls of water. Started up pumping unit.
5-1-90	FCP - 53 psi; rate 94 MCFD; recovered 2 bbls of water.
5-2-90	FCP - 54 psi; rate 95 MCFD; recovered 2 bbls of water.
5-3-90	FCP - 54 psi; rate 95 MCFD; recovered 2 bbls of water.
5-4-90	FCP - 54 psi; rate 95 MCFD; recovered 2 bbls of water.
5-5-90	FCP - 56 psi; rate 98 MCFD; recovered 2 bbls of water.
5-6-90	FCP - 57 psi; rate 99 MCFD; recovered 2 blls of water.
5-7-90	FCP - 58 psi; rate 100 MCFD; recovered 2 bbls of water.
5-8-90	FCP - 59 psi; rate 102 MCFD; recovered 1 bbl of water. Changed out plate to a 3/8".
5-9-90	FCP - 24 psi; rate 113 MCFD; recovered 1 bbl of water.
5-10-90	FCP - 24 psi; rate 113 MCFD; recovered 1 bbl of water.
5-11-90	FCP - 24 psi; rate 113 MCFD; recovered 1 bbl of water.

5-12-90	FCP - 25 psi; rate 116 MCFD; recovered 1 bbl of water.
5-13-90	FCP - 25 psi; rate 116 MCFD; recovered 1 bbl of water.
5-14-90	FCP - 26 psi; rate 119 MCFD; recovered 1 bbl of water.
5-15-90	FCP - 28 psi; rate 125 MCFD; recovered 1 bbl of water.
5-16-90	FCP - 29 psi; rate 129 MCFD; recovered 1 bbl of water.
5-17-90	FCP - 30 psi; rate 132 MCFD; recovered 1 bbl of water.
5-18-90	FCP - 33 psi; rate 140 MCFD; recovered 1 bbl of water.
5-19-90	FCP - 33 psi; rate 140 MCFD; recovered 1 bbl of water.
5-20-90	FCP - 34 psi; rate 143 MCFD; recovered 1 bbl of water.
5-21-90	FCP - 34 psi; rate 143 MCFD; recovered 1 bbl of water.
5-22-90	FCP - 34 psi; rate 143 MCFD; recovered 1 bbl of water.
5-23-90	FCP - 35 psi; rate 147 MCFD; recovered 1 bbl of water.
5-24-90	FCP - 35 psi; rate 147 MCFD; recovered 1 bbl of water.
5-25-90	FCP - 35 psi; rate 147 MCFD; recovered 1 bbl of water.
5-26-90	FCP - 36 psi; rate 150 MCFD; recovered 1 bbl of water.
5-27-90	FCP - 36 psi; rate 150 MCFD; recovered 1 bbl of water.
5-28-90	FCP - 37 psi; rate 153 MCFD; recovered 1 bbl of water.
5-29-90	FCP - 37 psi; rate 153 MCFD; recovered 1 bbl of water.
5-30-90	FCP - 37 psi; rate 153 MCFD; recovered 1 bbl of water.
5-31-90	FCP - 38 psi; rate 155 MCFD; recovered 1 bbl of water.
6-1-90	FCP - 38 psi; rate 155 MCFD; recovered 1 bbl of water.
6-2-90	FCP - 38 psi; rate 155 MCFD; recovered 1 bbl of water.
6-3-90	FCP - 38 psi; rate 155 MCFD; recovered 1 bbl of water.
6-4-90	FCP - 39 psi; rate 158 MCFD; recovered 1 bbl of water.
6-5-90	FCP - 39 psi; rate 158 MCFD; recovered 1 bbl of water.
6-6-90	FCP - 39 psi; rate 158 MCFD; recovered 1 bbl of water.
6-7-90	FCP - 40 psi; rate 161 MCFD; recovered 1 bbl of water.

6-8-90	FCP - 40 psi; rate 161 MCFD; recovered 1 bbl of water.
6-9-90	FCP - 41 psi; rate 164 MCFD; recovered 1 bbl of water.
6-10-90	FCP - 41 psi; rate 164 MCFD; recovered 1 bbl of water.
6-11-90	FCP - 41 psi; rate 164 MCFD; recovered 1 bbl of water.
6-12-90	FCP - 41 psi; rate 164 MCFD; recovered 1 bbl of water.
6-13-90	FCP - 42 psi; rate 168 MCFD; recovered 1 bbl of water.
6-14-90	FCP - 42 psi; rate 168 MCFD; recovered 1 bbl of water.
6-15-90	FCP - 42 psi; rate 168 MCFD; recovered 1 bbl of water.
6-16-90	FCP - 42 psi; rate 168 MCFD; recovered 1 bbl of water.
6-17-90	FCP - 42 psi; rate 168 MCFD; recovered 1 bbl of water.
6-18-90	FCP - 43 psi; rate 170 MCFD; recovered 1 bbl of water.
6-19-90	FCP - 43 psi; rate 170 MCFD; recovered 1 bbl of water.
6-20-90	FCP - 43 psi; rate 170 MCFD; recovered 1 bbl of water.
6-21-90	FCP - 43 psi; rate 170 MCFD; recovered 1 bbl of water.
6-22-90	FCP - 44 psi; rate 173 MCFD; recovered 1 bbl of water.
6-23-90	FCP - 44 psi; rate 173 MCFD; recovered 1 bbl of water.
6-24-90	FCP - 45 psi; rate 176 MCFD; recovered 1 bbl of water.
6-25-90	FCP - 45 psi; rate 176 MCFD; recovered 1 bbl of water.
6-26-90	FCP - 45 psi; rate 176 MCFD; recovered 1 bbl of water.
6-27-90	Changed out plate to a 1/2". FCP - 25 psi; rate 205 MCFD; recovered 1 bbl of water.
6-28-90	FCP - 25 psi; rate 205 MCFD; recovered 1 bbl of water.
6-29-90	FCP - 25 psi; rate 205 MCFD; recovered 1 bbl of water.
6-30-90	FCP - 26 psi; rate 211 MCFD; recovered 1 bbl of water. Drop from report until well is hooked up to sales line.