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.
SF080844-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
Gallegos Canyon Unit

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

8. Well Name and No.
GCU #417

2. Name of Operator
BHP Petroleum (Americas) Inc.

9. API Well No.
30-045-28758

3. Address and Telephone No.
5847 San Felipe, Suite 3600, Houston, Texas 77057,(713)780-5000

10. Field and Pool, or Exploratory Area
Basin Fruitland Coal

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1400' FSL and 1615' FWL, Section 19,T-28-N,R-11-W

11. County or Parish, State
San Juan, New Mexico

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 Completion	☐ 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.)*

SEE ATTACHED - WELL COMPLETION HISTORY

RECEIVED
MAR 25 1993
OIL CON. DIV.
DIST. 3

93 MAR 22 AM 11:27
070 FARMINGTON, NM
RECEIVED
BLM

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

Signed Carl Kolbe Title Regulatory Affairs Representative Date 3/17/93

(This space for Federal or State office use)

Approved by _____ Title _____ ACCEPTED FOR RECORD

Conditions of approval, if any:

MAR 22 1993

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

FARMINGTON DISTRICT OFFICE
BY Smr

NMOCD

GCU No. 417 Basin Fruitland Coal San Juan, New Mexico BHP WI 100% AFE: #9301189 $138,000

09/18/92- Day 1 Depth 135' MIRU Aztec Well Serv. Rig No. 184. Mix mud & spud well @ 3:00 pm on 9/17/92. Drl surf hole & drop survey. TOH & run 3 jts 7" 20# csg & land @ 145' KB. RU Western & cmt w/75 sxs Class "B" w/3% CaCl, 1/4# per sk Cello Seal. Plug dn at 9:20 PM 9/17/92. Had good cmt returns w/7 bbl good cmt to surface. RD Western and WOC. Nipple up. DC: $12,100 CC: $12,100

09/19/92- Day 2 Depth 850' NU& pressure test. Test blind rams to 2000 psi, pipe to 1500 psi (ok) and Hydril to 500 psi (ok). Drl out 70' cmt in csg and drl 6 1/4" hole to 850' w/ one survey. Bit #2 6 1/4" Veral V517 Jets 3/10 Ser 64430 in @ 135'. MW 10 RPM 70 psi 1000 SPM 100 DC: $9,225 CC: $21,325

09/20/92- Day 3 Depth 1715' Drlg 6 1/4" hole to 1715' w/two surveys. Cond & circ hole short trip 10 stands. TOH to log. RU Schlumberger and ran DIL/FDC/CNL/GR from 1711' to 145'. RD loggers and TIH. Cond hole & TOH laying dn drl pipe. RU to run 4 1/2" csg. Bit No. 2 Veral V517 Jets 3/10 Ser 64430 in @ 135', out @ 1715'. MW 8.6 RPM 75 psi 1000 SPM 104 Vis 60 PV/YP 25/18 Gels 10/25 WL 12 pH 9 FC/32 2. DC: $20,550 CC: $41,875

09/21/92- Day 4 TD: 1715' Ran 40 jts 4 1/2" 10.5# K-55 8R R-3 LT&C csg and landed at 1710' KB. RU Western and cmt w/320 sxs 50/50 poz 2% gel 10% salt & 1/4# sk cello seal then tailed w/20 sxs Class "B" low fluid loss. Had full returns w/10 bbl good cmt circ to surf. Plug dn at 9:30 am and float held. Set slips and jet pits. Rel rig at 1:30 pm on 9/20/92. DC: $14,050 CC: $55,925

09/22/92- WOCT. CC $55,925

12/16/92- MIRU JC Well Service ND well head and NU BOPE. PU bit and csg scraper on 2 3/8" tbg and tally in hole. Tag up at 1587' KB. POH LD csg scrapr RU power swivel and TIH w/bit. Drl cmt to 1664' KB. Circ hole clean w/2% KCL wtr and additives. Tst csg and BOPE to 2500 psi, OK. MI set filter and fill frac tanks. SDFN. DC: $5,800 TACC: $5,800 CC: $61,725

12/17/92- POH w/tbg and bit. RU Elect Line and ran GR/CCL log from 1663' to 1300'. POH and LD tools. GIH and perf Fruitland Coal from 1518' to 1531' and 1534' to 1536' w/ a 3 1/8" csg gun loaded 4 JSPF 90° phasing shooting a .38 hole. All shots fired. No press to surf. RD perforators RU Dowell to fracture stimulate the FC dn 4 1/2" csg w/ a 30# linear gel system at 30 BPM. The pad pmpd at 2200 psi and the job screen out on the 3 ppg sand. Sand in formation is approx 10,000#. Total load to recover is 330 bbl. Prepare to refrac w/ a cross link gel system. Fill, filter and heat frac tank. BLTR 330 Day 2 DC: $6,600 TACC: $12,400 CC: $68,325

12/18/92- TIH w/tbg and tag sand at 1423'. Clean out w/2% KCL wtr to PBTD. POOH w/tbg. RU Dowell and cld not pump due to press. TIH w/tbg and tag sand at 1500'. Clean out to PBTD w/gelled wtr. POOH w/tbg. RU Dowell and frac stimulate the FC dn 4 1/2" csg w/504 bbl 30# crosslink gel and 47,640# 20/40 Brady sand at 25 BPM. Max press 2600 psi avg 1800 psi avg rate 20 BPM. ISIP 764 psi. Bleed back for closure. Load to recover is 504 bbl. Left well shut in for gel break. SDFN. BLTR 834 Day 3 DC: $26,200 TACC: $38,600 CC: $94,525

12/19/92- Well on a vacuum. TIH w/tbg and tag sand at 1368'. Circ hole cl to PBTD w/2% KCL wtr. Pull back and land tbg at 1541' KB w/49 jts of 2 3/8" 4.7# 8R J-55 EUE tbg. ND BOPE and NU well head. RU to swab. Swab back 55 bbl load wtr w/no gas to surf.SDFN. TBLR 55 BLTR 779 Day 4 DC: $7,900 TACC: $46,500 CC: $102,425
12/20/92- No press on tbg. SICP 30 psi. Swab well 6 hrs and rec 40 bbl load wtr w/ a slight gas blow on the tbg. No change in csg pressure. TBLR 95 BLTR 739 Day 5 DC: $1100 TACC: $ 47,600 TAC: $103,525
12/21/92- Well shut in on Sunday. No operation. TBLR 95 BLTR 739 Day 6 DC: $ 0 TACC: $47,600 TAC: $103,525
12/22/92- 36 hr SITP 0 psi SICP 50 psi. Swab well 10 hrs and rec 50 bbl load water. Slight gas blow on tbg w/ the csg press increasing to 160 psi. SDFN. TBLR 145 BLTR 689 Day 7 DC: $2,100 TACC: $49,700 TAC: $105,625
12/23/92- 14 hr SITP 0 psi SICP 240 psi. Swab well 03 hrs and rec 10 bbl load water. Slight gas blow on tbg w/ the csg press decreasing to 160 psi. Ran insert pump and rods. Set pump jack and start up. **RD and Move Out Rig.** TBLR 155 BLTR 679 Day 8 DC: $4,500 TACC: $54,200 TAC: $110,125
12/24/92- 14 hrs pumping rec 28 bbl water. Csg is shut in to run engine. No test on gas. TBLR 183 BLTR 651 Day 9 DC $0 TACC: $54,200 TAC: $110,125
12/25/92- 24 hrs pumping, rec 65 bbl water. Csg is shut in to run engine. No test on gas. TBLR 248 BLTR 586 Day 10 Dc: $0 TACC: $54,200 TAC: $110,125
12/26/92- 24 hrs pumping rec 57 bbl water. Csg is shut in to run engine. No test on gas. TBLR 305 BLTR 529 Day 11 DC: $0 TACC: $54,200 TAC $110,125
12/27/92- 24 hrs pumping rec 65 bbl water. Csg is shut in to run engine. No test on gas. TBLR 370 BLTR 464 Day 12 DC: $300 TACC: $54,500 TAC $110,425
12/28/92- 24 hrs pumping rec 80 bbl water. Csg is shut in to run engine. No test on gas. TBLR 450 BLTR 384 Day 13 DC: $000 TACC: $54,500 TAC $110,425
12/29/92- 24 hrs pumping rec 28 bbl water. Csg is shut in to run engine. No test on gas. TBLR 478 BLTR 356 Day 14 DC: $000 TACC: $54,500 TAC $110,425
12/30/92- 24 hrs pumping rec 30 bbl water. Csg is shut in to run engine. No test on gas. TBLR 508 BLTR 326 Day 15 DC: $000 TACC: $54,500 TAC $110,425
12/31/92- 24 hrs pumping rec 27 bbl water. Csg is shut in to run engine. No test on gas. TBLR 535 BLTR 299 Day 16 DC: $000 TACC: $54,500 TAC $110,425
01/01/93- 24 hrs pumping rec 20 bbl water. Csg is shut in to run engine. No test on gas. TBLR 555 BLTR 279 Day 17 DC: $000 TACC: $54,500 TAC $110,425
01/02/93- 24 hrs pumping rec 23 bbl water. Csg is shut in to run engine. No test on gas. TBLR 578 BLTR 256 Day 18 DC: $000 TACC: $54,500 TAC $110,425
01/03/93- 24 hrs pumping rec 23 bbl water. Csg is shut in to run engine. No test on gas. TBLR 578 BLTR 256 Day 19 DC: $000 TACC: $54,500 TAC $110,425
01/04/93- 24 hrs pumping rec 35 bbl water. Csg with 15 psi on csg

flowing thru a 1/4" choke. TBLR 613 BLTR 221 Day 20 DC: $000 TACC: $54,500 TAC $110,425
01/05/93- 24 hrs pumping rec 28 bbl water. Csg with 12 psi on csg flowing thru a 1/4" choke. TBLR 641 BLTR 193 Day 21 DC: $000 TACC: $54,500 TAC $110,425
01/06/93- 24 hrs pumping rec 28 bbl water. Csg with 10 psi on csg flowing thru a 1/4" choke. Estimated gas volume 15 MCF/D. TBLR 669 BLTR 165 Day 22 DC: $000 TACC: $54,500 TAC $110,425
01/07/93- 24 hrs pumping rec 25 bbl water. Csg with 15 psi on csg flowing thru a 1/4" choke. Estimated gas volume 20 MCF/D. TBLR 694 BLTR 140 Day 23 DC: $000 TACC: $54,500 TAC $110,425
01/08/93- 24 hrs pumping rec 23 bbl water. Csg with 15 psi on csg flowing thru a 1/4" choke. Estimated gas volume 20 MCF/D. TBLR 717 BLTR 117 Day 24 DC: $000 TACC: $54,500 TAC $110,425
01/09/93- 24 hrs pumping rec 20 bbl water. Csg with 15 psi on csg flowing thru a 1/4" choke. Estimated gas volume 20 MCF/D. TBLR 737 BLTR 97 Day 25 DC: $000 TACC: $54,500 TAC $110,425
01/10/93- 24 hrs pumping rec 22 bbl water. Csg with 15 psi on csg flowing thru a 1/4" choke. Estimated gas volume 20 MCF/D. TBLR 759 BLTR 75 Day 26 DC: $000 TACC: $54,500 TAC $110,425
01/11/93- 24 hrs pumping rec 18 bbl water. Csg with 17 psi on csg flowing thru a 1/4" choke. Estimated gas volume 25 MCF/D. TBLR 777 BLTR 57 Day 27 DC: $500 TACC: $55,000 TAC $110,925
01/12/93- 24 hrs pumping rec 28 bbl water. Csg with 17 psi on csg flowing thru a 1/4" choke. Estimated gas volume 25 MCF/D. TBLR 805 BLTR 29 Day 28 DC: $000 TACC: $55,000 TAC $110,925
01/13/93- 24 hrs pumping rec 18 bbl water. Csg with 17 psi on csg flowing thru a 1/4" choke. Estimated gas volume 25 MCF/D. TBLR 823 BLTR 11 Day 29 DC: $000 TACC: $55,000 TAC $110,925
01/14/93- 24 hrs pumping rec 18 bbl water. Csg with 20 psi on csg flowing thru a 1/4" choke. Estimated gas volume 29 MCF/D. TBLR 841 BLTR +07 Day 30 DC: $000 TACC: $55,000 TAC $110,925
01/15/93- 24 hrs pumping rec 17 bbl water. Csg with 20 psi on csg flowing thru a 1/4" choke. Estimated gas volume 29 MCF/D. TBLR 857 BLTR +24 Day 31 DC: $000 TACC: $55,000 TAC $110,925
01/16/93- 24 hrs pumping rec 20 bbl water. Csg with 20 psi on csg flowing thru a 1/4" choke. Estimated gas volume 29 MCF/D. TBLR 877 BLTR +44 Day 32 DC: $000 TACC: $55,000 TAC $110,925
01/17/93- 24 hrs pumping rec 12 bbl water. Csg with 20 psi on csg flowing thru a 1/4" choke. Estimated gas volume 29 MCF/D. TBLR 889 BLTR +56 Day 33 DC: $000 TACC: $55,000 TAC $110,925
01/18/93- 24 hrs pumping rec 20 bbl water. Csg with 20 psi on csg flowing thru a 1/4" choke. Estimated gas volume 29 MCF/D. TBLR 909 BLTR +76 Day 34 DC: $000 TACC: $55,000 TAC $110,925
01/19/93- 24 hrs pumping rec 13 bbl water. Csg with 19 psi on csg flowing thru a 1/4" choke. Estimated gas volume 29 MCF/D. TBLR 922 BLTR +89 Day 35 DC: $000 TACC: $55,000 TAC $110,925
01/20/93- 24 hrs pumping rec 17 bbl water. Csg with 19 psi on csg flowing thru a 1/4" choke. Estimated gas volume 25 MCF/D. TBLR 939 BLTR +106 Day 36 DC: $000 TACC: $55,000 TAC $110,925
01/21/93- 24 hrs pumping rec 15 bbl water. Csg with 19 psi on csg flowing thru a 1/4" choke. Estimated gas volume 25 MCF/D. TBLR 954 BLTR +121 Day 37 DC: $000 TACC: $55,000 TAC $110,925
01/22/93- 24 hrs pumping rec 15 bbl water. Csg with 19 psi on csg

flowing thru a 1/4" choke. Estimated gas volume 25 MCF/D. TBLR 969 BLTR +136 Day 38 DC: $000 TACC: $55,000 TAC $110,925
01/23/93- 24 hrs pumping rec 15 bbl water. Csg with 19 psi on csg flowing thru a 1/4" choke. Estimated gas volume 25 MCF/D. TBLR 984 BLTR +151 Day 39 DC: $000 TACC: $55,000 TAC $110,925
01/24/93- 24 hrs pumping rec 15 bbl water. Csg with 22 psi on csg flowing thru a 1/4" choke. Estimated gas volume 32 MCF/D. TBLR 999 BLTR +166 Day 40 DC: $000 TACC: $55,000 TAC $110,925
01/25/93- 24 hrs pumping rec 13 bbl water. Csg with 22 psi on csg flowing thru a 1/4" choke. Estimated gas volume 32 MCF/D. TBLR 1012 BLTR +179 Day 41 DC: $000 TACC: $55,000 TAC $110,925
01/26/93- 24 hrs pumping rec 12 bbl water. Csg with 22 psi on csg flowing thru a 1/4" choke. Estimated gas volume 32 MCF/D. TBLR 1024 BLTR +191 Day 42 DC: $000 TACC: $55,000 TAC $110,925
01/27/93- 24 hrs pumping rec 17 bbl water. Csg with 22 psi on csg flowing thru a 1/4" choke. Estimated gas volume 32 MCF/D. TBLR 1041 BLTR +208 Day 43 DC: $000 TACC: $55,000 TAC $110,925
01/28/93- 24 hrs pumping rec 20 bbl water. Csg with 22 psi on csg flowing thru a 1/4" choke. Estimated gas volume 32 MCF/D. TBLR 1061 BLTR +228 Day 44 DC: $500 TACC: $55,500 TAC $111,425
01/29/93- 24 hrs pumping rec 07 bbl water. Csg with 22 psi on csg flowing thru a 1/4" choke. Estimated gas volume 32 MCF/D. TBLR 1068 BLTR +235 Day 45 DC: $000 TACC: $55,500 TAC $111,425
01/30/93- 24 hrs pumping rec 15 bbl water with 22 psi on csg. Flowing thru a 1/4" choke. Estimated gas volume 32 MCF/D. TBLR 1083 BLTR +250 Day 46 DC: $00 TACC: $55,500 TAC $111,425
01/31/93- 24 hrs pumping rec 15 bbl water with 22 psi on csg flowing thru a 1/4" choke. Estimated gas volume 32 MCF/D. TBLR 1098 BLTR +265 Day 47 DC: $000 TACC: $55,500 TAC $111,425
02/01/93- 24 hrs pumping rec 02 bbl water with 22 psi on csg flowing thru a 1/4" choke. Estimated gas volume 32 MCF/D. TBLR 1100 BLTR +267 Day 48 DC: $000 TACC: $55,500 TAC $111,425
02/02/93- 24 hrs pumping rec 03 bbl water with 22 psi on csg flowing thru a 1/4" choke. Estimated gas volume 32 MCF/D. TBLR 1103 BLTR +270 Day 49 DC: $000 TACC: $55,500 TAC $111,425
02/03/93- 24 hrs pumping rec 15 bbl water with 22 psi on csg flowing thru a 1/4" choke. Estimated gas volume 32 MCF/D. TBLR 1118 BLTR +285 Day 50 DC: $300 TACC: $55,800 TAC $111,725
02/04/93- 24 hrs pumping rec 25 bbl water with 22 psi on csg flowing thru a 1/4" choke. Estimated gas volume 32 MCF/D. TBLR 1143 BLTR +310 Day 51 DC: $000 TACC: $55,800 TAC $111,725
02/05/93- 24 hrs pumping rec 17 bbl water with 30 psi on csg flowing thru a 1/4" choke. Estimated gas volume 40 MCF/D. TBLR 1160 BLTR +327 Day 52 DC: $000 TACC: $55,800 TAC $111,725
02/06/93- 24 hrs pumping rec 13 bbl water with 30 psi on csg flowing thru a 1/4" choke. Estimated gas volume 40 MCF/D. TBLR 1173 BLTR +340 Day 53 DC: $000 TACC: $55,800 TAC $111,725
02/07/93- 24 hrs pumping rec 10 bbl water with 30 psi on csg flowing thru a 1/4" choke. Estimated gas volume 40 MCF/D. TBLR 1183 BLTR +350 Day 54 DC: $000 TACC: $55,800 TAC $111,725
02/08/93- 24 hrs pumping rec 10 bbl water with 30 psi on csg flowing thru a 1/4" choke. Estimated gas volume 40 MCF/D. TBLR 1193 BLTR +360 Day 55 DC: $000 TACC: $55,800 TAC $111,725
02/09/93- Well did not pump for 24 hours, no water recovered. 30

psi on csg flowing thru a 1/4" choke. Estimated gas volume 40 MCF/D. Shut well in. TBLR 1193 BLTR +360 Day 56 DC: $000 TACC:
02/10/93- Well shut in for 24 hours, SICP 353 psi. TBLR 1193 BLTR +360 Day 57 DC: $300 TACC: $56,100 TAC $112,025
02/11/93- 48 hour SICP 360 psi. TBLR 1193 BLTR +360 Day 58 DC: $000 TACC: $56,100 TAC $112,025

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

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

Form C-104
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator Name and Address	[2] OGRID Number
Amoco Production Company 1670 Broadway P.O. Box 800 Denver, Colorado 80201	000778
	[3] Reason for Filing Code CH Effective 5-01-1996

[4] API Number	[5] Pool Name	[6] Pool Code
30-045-28758	Basin Fruitland Coal	71629

[7] Property Code	[8] Property Name	[9] Well No.
00570	Gallegos Canyon Unit	417

II. [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
K	19	28N	11W		1400	SOUTH	1615	WEST	SAN JUAN

[11] Bottom Hole Location

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

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
F	Pumping	03/1994	N/A	N/A	N/A

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
778	Amoco Production Co. P.O. Box 800 Denver, CO 80201	0562630	G	

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description

RECEIVED
APR 1 1 1996
OIL CON. DIV.
DIST. 3

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations

[30] Hole Size	[31] Casing & Tubing Size	[32] Depth Set	[33] Sacks Cement

VI. Well Test Data

[34] Date New Oil	[35] Gas Delivery Date	[36] Test Date	[37] Test Length	[38] Tbg. Pressure	[39] Csg. Pressure

[40] Choke Size	[41] Oil	[42] Water	[43] Gas	[44] AOF	[45] Test Method

[46] I hereby certify that the rules of the Oil Conservation Division have been complied with and the information given above is true and complete to the best of my knowledge and belief.

Signature: Patty Haefele

Printed Name: Patty Haefele

Title: Staff Assistant

Date: April 10,1996 Phone: (303) 830-4988

OIL CONSERVATION DIVISION

Approved by: [illegible]

Title: SUPERVISOR DISTRICT #3

Approval Date: APR 2 6 1996

[47] If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
	J.C. Harris	Operations Superintendent	April 4,1996

BHP Petroleum (Americas), Inc. OGRID Number: 2217