

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

5. Lease Designation and Serial No.
SF 078109

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Gallegos Canyon Unit

8. Well Name and No.
GCU # 411

9. API Well No.
30-045-28764

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

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

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

3. Address and Telephone No. (713) 780-5000

5847 San Felipe, Suite 3600, Houston, Texas 77057

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1000' FSL and 790' FWL

Section 34, T-29N, R12W

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Completion
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- 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 8 1993

OIL CON. DIV. 1
DIST. 3

070 FARMINGTON, NM

93 MAR 12 PM 2:42

RECEIVED
BLM

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

Signed Carl Kralbe

Title Regulatory Affairs Rep.

Date 2/19/93

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____ Date _____

ACCEPTED FOR RECORD

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 or to any officer or employee of such department or agency any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

NM000

FARMINGTON DISTRICT OFFICE
BY smn

MAR 13 1993

Handwritten:
37

GCU NO. 411 BASIN FRUITLAND COAL SAN JUAN, NEW MEXICO

10/20/92- MIRU Aztec Rig No. 184. Spud well @ 9:30 pm on 10/19/92. Drl 8 3/4" hole to 149' KB w/one survey. RU & ran 3 jts 7" 20# J-55 8R R-3 csg and landed at 144' KB. RU Western and cmtd w/100 sxs Class "B" plus 3% CaCl, 1/4# sk Cello Seal. Obtained full returns w/7 bbl good cmt circ to surf. Plug dn at 2:00 am on 10/20/92. WOC. Bit #1 8 3/4" Smith FDT Ser No. KT 332 in @ 15' out @ 149'. WOB all, RPM 100 psi 800 SPM 104 DC: \$13,850 CC: \$13,850

10/21/92- WOC. NU BOPE test pipe and blind rams to 2000 psi, ok. test Hydrill to 500 psi, ok. Drl 60' of cmt in 7" and 6 1/4" hole to 1560' w/one survey. Mud up at 1300'. Bit #2 6 1/4" Varel V517 Jets 3/10 In at 1411'. MW 8.6 Vis 48 WL 10 pH 10. WOB 15 RPM 75 SPM 104 psi 1000 DC: \$17,050 CC: \$30,900

10/22/92- Drill 6 1/4" hole to 1622' w/one survey. Cond & circ short trip 10 stands. POH RU Schlumberger & ran DIL/CNL/FDC/GR fm 1622' to 144'. RD loggers & TIH. Cond hole POH LD DP. RU & ran 38 jts 4 1/2" 10.5# J-55 8R R-3 ST&C csg & landed @ 1617' KB. RU Western & cmtd w/260 sxs 50/50 poz plus 2% gel, 10% salt, 1/4# per sk Cello Seal then tailed w/25 sx Class "B" low fluid loss. Obtained full returns w/7 bbl good cmt circ to surf. PD @ 7:00 pm on 10/21/92 & float held. ND BOPE & jet pits. Rel rig @ 11:00 pm on 10/21/92. Bit #2 6 1/4" Varel V517 WOB 15 RPM 75 psi 1000 SPM 104 MW 8.8 Vis 54 PV/YP 12/8 Gels 5/14 WL 8.8 pH 10 FC/32 2 Solids 4% Sand 1/2% DC: \$26,900 CC: \$57,800

11/22/92- MIRU JC Well Serv. ND head and NU BOPE. PU bit and csg scraper on 2 3/8" tbg and tally in hole. Tag cmt at 1494' KB. RU and drl cmt to 1540' KB. Circ hole cl w/2% KCL wtr and additives. Press tst csg and BOPE to 2500 psi, OK. POH w/tbg. RU Elec Line and ran a GR/CCL log from 1540' to 1150'. POH LD tools. GIH and perf the Fruitland Coal from 1464' to 1474' w/ a 3 1/8" csg gun loaded 4 JSPF 90° phasing shooting a .38 hole. All shots fired, no gas to surf. Set, fill and filter frac tank. SDFN. DC: \$7,900 TACC: \$7,900 TAC: \$65,700

11/23/92- Heat frac tank, WO frac crew. Day 2. DC: \$500 TACC: \$8,400 TAC: \$66,200

11/24/92- 0 Press on well. MIRU Western. Frac stimulate the Fruitland Coal dn 4 1/2" csg w/ 129 bbls 30# linerar gel, 70 quality N/2 foam and 29,300# 20/40 Brady sand at 15 BPM. Max sand conc 6 ppg max press 2600 psi avg 2000 psi. Avg rate 15 BPM. Load to rec is 129 bbl. Job screened out w/200# of the 6 ppg sand in perms. ISIP 2600 psi close fracture and shut well in for gel break. 5 hr SICP 1500 psi. Opn well to frac tank on a 3/8" choke. After one hr flowing the FCP was 150 psi and the well died the 2nd hr. BLTR 129 Day 3 Dc: \$13,400 TACC: \$21,800 CC: \$79,600

11/25/92- SICP 500 psi. Blew well dn. TIH w/tbg and expendable ck to PBSD. Found no sand in well. Pull up and land tbg w/ 48 jts 2 3/8" 4.7# 8R J-55 EUE and 1485' KB. ND BOPE and NU well head. Pmp off expendable ck and unload well w/N/2. Left well flowing on a 3/8" ck. After 3 hrs the FTP was 20 psi csg 110 psi. Estimated gas rate is 50 MCF/D. BLTR 129 Day 4 DC: \$8,400 TACC: \$30,200 CC: \$88,000

11/26/92- 24 hrs flowing on a 3/8" choke rec 10 bbl load w/ an estimated gas rate of 50 MCF/D. FTP 20 psi csg 100 psi. TBLR 10

BLTR 119 Day 5 DC: \$100 TACC: \$30,300 TAC: \$88,100
11/27/92- Well dead tbg press 0 psi csg 70 psi. MIRU swab unit, ran swab and found no fluid in well. Made 2 swab runs and rec 0 bbl fluid. RD and SWI. TBLR 10 BLTR 119 Day 6 DC: \$700 TACC: \$31,000 TAC: \$88,800
11/28/92- 20 hr SITP 145 psi SICP 260 psi. Soap well and unload 1 bbl wtr left well flowing on a 1/4" choke. Well died in 2 hrs. SWI. TBLR 11 BLTR 118 Day 7 DC: \$100 TACC: \$31,100 TAC: \$88,900
11/29/92- 22 hr SITP 50 psi SICP 240 psi. Soap well and unload 1 bbl wtr left well flowing on a 1/4" choke. FTP 75 psi csg 100 psi. TBLR 12 BLTR 117 Day 8 DC: \$100 TACC: \$31,200 TAC: \$89,000
11/30/92- 24 hr flowing on a 1/4" choke. Recovered 0 bbl water. FTP 0 psi csg 168 psi. Tbg was dead. TBLR 12 BLTR 117 Day 9 DC: \$100 TACC: \$31,300 TAC: \$89,100
12/01/92- Tbg press 0 psi csg 207 psi. Shot fluid level less than 20' over perms. Soap well to unload. TBLR 12 BLTR 117 Day 10 DC: \$000 TACC: \$31,300 TAC: \$89,100
12/02/92- Tbg press 0 psi csg 235 psi. Shut well in 20 hrs. Shot fluid level and found 30' of fluid over the top perf. TBLR 12 BLTR 117 Day 11 DC: \$000 TACC: \$31,300 TAC: \$89,100
12/03/92- Tbg press 0 psi csg 240 psi. Trying to unload well. TBLR 12 BLTR 117 Day 12 DC: \$000 TACC: \$31,300 TAC: \$89,100
12/04/92- Tbg press 0 psi csg 115 psi. Blew well to unload. TBLR 12 BLTR 117 Day 13 DC: \$000 TACC: \$31,300 TAC: \$89,100
12/05/92- MIRU JC Well Serv. PU and ran insert rods & rods. Install pmpg tee and clamp off. Prepare to set pmpg unit. TBLR 12 BLTR 117 Day 14 DC: \$3,500 TACC: \$34,800 TAC: \$92,600
12/06/92- Prepare to set pmpg unit. TBLR 12 BLTR 117 Day 15 DC: \$0 TACC: \$34,800 CC: \$92,600
12/07/92- Prepare to set pumping unit. TBLR 12 BLTR 117 Day 16
12/08/92- Prepare to set pmpg unit. TBLR 12 BLTR 117 Day 15 DC: \$0 TACC: \$34,800 CC: \$92,600
12/09/92- Set pmpg unit and start up same. TBLR 12 BLTR 117 Day 18 DC: \$2000 TACC: \$36,800 CC: \$94,600
12/10/92- Well pmpg 15 hrs, rec 05 bbl wtr w/ 34 psi on csg. Est 75 MCF/D TBLR 17 BLTR 112 Day 19 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/12/92- Well pmpg 24 hrs, rec 11 bbl wtr w/40 psi on csg. Est 85 MCF/D. TBLR 31 BLTR 90 Day 21 DC: \$0 TACC: \$36,800 CC: \$94,600
12/13/92 - Well pmpg 24 hrs, rec 00 bbl wtr w/ 15 psi on csg. Est 45 MCF/D TBLR 31 BLTR 90 Day 22 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/14/92- Well pmpg 24 hrs, rec 00 bbl wtr w/ 15 psi on csg. Est 45 MCF/D TBLR 31 BLTR 90 Day 23 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/15/92- Well pmpg 00 hrs, rec 00 bbl wtr w/20 psi on csg. Est 50 MCF/D. Pump jack down, restart. TBLR 31 BLTR 90 Day 24 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/16/92- Well pmpg 00 hrs, rec 04 bbl wtr w/22 psi on csg. Est 60 MCF/D. TBLR 35 BLTR 85 Day 25 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/17/92- Well pmpg 24 hrs, rec 06 bbl wtr w/25 psi on csg. Est 60 MCF/D. TBLR 41 BLTR 79 Day 26 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/18/92- Well pmpg 24 hrs, rec 03 bbl wtr w/25 psi on csg. Est 60 MCF/D. TBLR 44 BLTR 76 Day 27 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/19/92- Well pmpg 24 hrs, rec 07 bbl wtr w/25 psi on csg. Est 60 MCF/D. TBLR 51 BLTR 69 Day 28 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/20/92- Well pmpg 24 hrs, rec 07 bbl wtr w/25 psi on csg. Est 60

MCF/D. TBLR 58 BLTR 62 Day 29 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/21/92- Well pmpg 24 hrs, rec 07 bbl wtr w/25 psi on csg. Est 60
MCF/D. TBLR 65 BLTR 55 Day 30 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/22/92- Well pmpg 24 hrs, rec 02 bbl wtr w/25 psi on csg. Est 60
MCF/D. TBLR 67 BLTR 53 Day 31 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/23/92- Well pmpg 24 hrs, rec 03 bbl wtr w/25 psi on csg. Est 60
MCF/D. TBLR 70 BLTR 50 Day 32 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/24/92- Well pmpg 24 hrs, rec 00 bbl wtr w/25 psi on csg. Est 60
MCF/D. TBLR 70 BLTR 50 Day 33 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/25/92- Well pmpg 24 hrs, rec 00 bbl wtr w/25 psi on csg. Est 60
MCF/D. TBLR 70 BLTR 50 Day 34 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/26/92- Well pmpg 24 hrs, rec 00 bbl wtr w/25 psi on csg. Est 60
MCF/D. TBLR 70 BLTR 50 Day 35 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/27/92- Well pmpg 00 hrs, rec 00 bbl wtr w/25 psi on csg. Est 00
MCF/D. TBLR 70 BLTR 50 Day 36 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/28/92- Well pmpg 12 hrs, rec 02 bbl wtr w/25 psi on csg. Est 50
MCF/D. TBLR 72 BLTR 48 Day 37 DC: \$0 TACC: \$36,800 TAC: \$94,600
12/31/92- Well pmpg 00 hrs, rec 05 bbl wtr w/25 psi on csg. Est 50
MCF/D. TBLR 79 BLTR 41 Day 40 DC: \$0 TACC: \$36,800 TAC: \$94,600
01/01/93- Well pmpg 24 hrs, rec 03 bbl wtr w/25 psi on csg. Est 50
MCF/D. TBLR 82 BLTR 38 Day 41 DC: \$0 TACC: \$36,800 CC: \$94,600
01/02/93- Well pmpg 24 hrs, rec 03 bbl wtr w/25 psi on csg. Est 50
MCF/D. TBLR 85 BLTR 35 Day 42 DC: \$0 TACC: \$36,800 CC: \$94,600
01/03/93- Well pmpg 24 hrs, rec 03 bbl wtr w/25 psi on csg. Est 50
MCF/D. TBLR 88 BLTR 32 Day 43 DC: \$0 TACC: \$36,800 CC: \$94,600
01/04/93- Well pmpg 00 hrs, rec 00 bbl wtr w/00 psi on csg. Est 00
MCF/D. Shut down unit for engine repair. TBLR 88 BLTR 32 Day 44
DC: \$0 TACC: \$36,800 CC: \$94,600