

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.

SF078905

6. If Indian, Allottee or Tribe Name

If Unit or CA, Agreement Designation

Gallegos Canyon Unit

8. Well Name and No.

GCU #412

9. API Well No.

30-045-28759

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

San Juan, New Mexico

SUBMIT IN TRIPLICATE

Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

BHP Petroleum (Americas) Inc.

Address and Telephone No.

5847 San Felipe, Suite 3600, Houston, Texas 77057

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

1010' FSL and 995' FWL/ Section 12, T-28-N, R-12-W

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 18 1993

OIL CON. DIV.
DIST. 3

RECEIVED
BLM
93 MAR 12 PM 2:42
070 FARMINGTON, NM

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

Signed

Carl Kelle

Title Regulatory Affairs Representative Date 3/5/93

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

ACCEPTED FOR RECORD

MAR 15 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.

FARMINGTON DISTRICT OFFICE

*See Instruction on Reverse Side

6Y

GCU No. 412 Basin Fruitland Coal San Juan , New Mexico BHP WI 33.33
NRI 26% AFE: #9301104 \$138,000

10/18/92- MIRU Aztec Well Serv Rig No. 184. Spud well @ 7:00 pm on 10/17/92. Drl 8 3/4" hole to 150' KB w/one survey. RU & ran 3 jts 7" 20# J-55 8R R-3 csg & landed at 144' KB. RU Western & cmtd w/100 sxs Class "B" plus 3% CaCl, 1/4# per sk cello seal. Obtained full returns w/6 bbl good cmt circ to surf. Plug dn at 12:15 am on 10/18/92. WOC. Bit #1 8 3/4" Reed HP11J Ser #1392 in @ 15' out @ 150'. WOB all RPM 100 psi 800 SPM 1000 Dc: \$14,650 CC: \$14,650

10/19/92- WOC. NU BOPE. Press test blind & pipe rams to 2000 psi, Hydrill to 500 psi (ok). Drl 65' of cmt in 7" and 6 1/4" hole to 1560' KB w/two surveys. Mud up at 1250'. TD well at 1:45 am on 10/19/92. Circ & cond hole , short trip 10 stands. POH to 300' & spot 12.8# pill. POH and RU Schlumber to log well. Bit #2 6 1/4" Varel V517 Ser #55707 in @ 150' out @ 1560'. WOB 20 RPM 100 psi 1000 SPM 104 MW 8.6 Vis 58 PV/YP 16/12 Gels 8/24 WL 9.6 pH 10 FC/32 2 Solids %4 Sand % 1/2. Dc: \$17,650 CC: \$32,300

10/20/92- Ran CNL/FDC/DIL/GR logs from 1558' to 144'. RD loggers. TIH cond & circ. TOH, LD DP. RU & ran 37 jts 4-1/2" 10.5# K-55 8R R-3 ST&C csg and landed at 1554' KB> RU Western and cmtd w/215 sxs 50/50 poz + 2% gel, 10% salt, 1/4# sk Cello Seal, then tailed w/25 sxs Class "B" low fluid loss. Obtained full returns w/12 bbl good cmt circ to surf. Plug dn @ 2:00 pm on 10/19/92 & float held. ND BOPE & jet pits. Rel rig at 6:00 pm on 10/19/92. DC: \$25,300 CC: \$57,600

11/28/92- MIRU JAC Well Serv. ND head and NU BOPE. PU bit and csg scraper on 2 3/8" tbg and tally in hole. Tag up at 1550' KB. Drl to 1454' KB. Drl soft cmt for 10' and then drld up the plug had rubber in the returns. TOH to look at the blade bit. LD and PU tooth bit and TIH. Cld not drl out. POH and tooth bit. PU new blade bit w/4 drl collars and TIH. Made 2' in 2 hrs w/ the returns not showing very much cmt. Bit was running smooth w/very little torque. PBTD at 1456' KB. SD for night. Day 1 DC: \$5,700 TACC: \$%,700 TAC: \$63,300

11/29/92- Press test csg and BOPE to 2500 psi, held OK. POOH and bit and DCs. Tally out to ck depth. MI set, fill and filter frac tank. Day 2 DC: \$2,900 TACC: \$8,600 TAC: \$66,200

11/30/92- No operation on Sunday. Day 3 TACC: \$8,600 TAC: \$66,200

12/01/92- RU Elec Line and ran a GR/CCL log from 1453' to 1100'. POH LD tools. Perf the Fruitland Coal from 1403' to 1415' w/ a 3 1/8" csg gun loaded 4 JSPF 90° phasing shooting a .38 hole. All shots fired, no press to surf. RD Elec Line. Heat frac tank. WO frac crew. SDFN. Day 4 DC: \$3,900 TACC: \$12,500 TAC: \$70,100

12/02/92- No press on well. RU Western and Frac stimulate the Fruitland Coal dn 4 1/2" csg w/216 bbls 30# linear gel, 70 to 60 quality N/2 foam and 55,000# 20/40 Brady Sand at 15 BPM. Max treating pressure 1540 psi avg 1300 psi avg rate 15 BPM Max sand conc 5 ppg load to recover is 216 bbl ISIP 890 psi. Bleed off to close fracture. Well shut in 5 hrs for gel break. 5 hr SICP 680 psi. Open well to frac tank on a 3/8" pos choke. Rec 83 bbl load wtr in 17 hrs, FCP 18 psi. Replaced 2 choke inserts. DC: \$16,100 TACC: \$28,600 CC: \$86,200

12/03/92- Kill well w/50 bbl 2% KCl wtr. TIH w/tbg and expendable check. Tag sand at 1393' KB and clean out to PBTD w/ N/2. Pull

back and land tbg at 1417' KB w/45 jts 2 3/8" 4.7# 8R EUE J-55. ND BOPE NU Well head. Pmp out plug and unload well w/ N/2. Well flowing on a 3/8" pos choke. RD and MO. Flow testing well. TBLR 108 BLTR 158 Day 6 DC: \$8,700 TACC: \$37,300 CC: \$94,900

12/04/92- 19 hours flowing on a 3/8" pos choke. Rec 100 bbl load w/ an estimated gas rate of 125 MCF/D. FTP 55 psi csg 135 psi. Day 7 TBLR 208 BLTR 58 DC: \$800 TACC: \$38,100 CC: \$95,700

12/05/92- 24 hours flowing on a 3/8" pos choke. Rec 70 bbl load w/ an estimated gas rate of 180 MCF/D. FTP 65 psi csg 152 psi. Day 8 TBLR 278 BLTR +12 DC: \$800 TACC: \$38,100 CC: \$96,500

12/06/92- 24 hours flowing on a 3/8" pos choke. Rec 77 bbl load w/ an estimated gas rate of 220 MCF/D. FTP 80 psi csg 165 psi. Day 9 TBLR 355 BLTR +89 DC: \$000 TACC: \$38,100 CC: \$96,500

12/07/92- 24 hrs flowing on a 3/8" pos choke. Rec 60 bbl wtr w/ an estimated gas rate of 220 MCF/D FTP 82 psi Csg 160 psi TBLR 415 BLTR +149 Day 10 DC: 0 TACC: \$38,100 CC: \$95,700

12/08/92- 24 hours flowing on a 3/8" pos choke. Rec 63 bbl load w/ an estimated gas rate of 220 MCF/D. FTP 83 psi csg 170 psi. Day 11 TBLR 478 BLTR +212 DC: \$000 TACC: \$38,100 CC: \$96,500

12/09/92- 24 hour SITP 392 psi SICP 395 psi. Waiting on test unit. Day 12 TBLR 478 BLTR +212 DC: \$000 TACC: \$38,100 CC: \$96,500

12/10/92- 48 hour SITP 400 psi SICP 405 psi. Waiting on test unit. Day 13 TBLR 478 BLTR +212 DC: \$000 TACC: \$38,100 CC: \$96,500

12/11/92- 72 hour SITP 405 psi SICP 405 psi. Set and hook up test unit with 2" meter run. Well on test. TBLR 478 BLTR +212 Day 14 DC: \$1,500 TACC: \$39,600 CC: \$97,200

12/12/92- 20 hours flowing thru a 2-phase test separator w/ a 2" meter run. FTP 90 psi csg 157 psi. Rec 53 bbl wtr w/ a gas rate of 200 MCF/D. TBLR 531 BLTR +265 Day 15 DC: \$100 TACC: \$39,700 CC: \$97,300

12/13/92- 20 hours flowing thru a 2-phase test separator w/ a 2" meter run. FTP 85 psi csg 160 psi. Rec 70 bbl wtr w/ a gas rate of 200 MCF/D. TBLR 601 BLTR +335 Day 16 DC: \$100 TACC: \$39,800 CC: \$97,400

12/14/92- 24 hours flowing thru a 2-phase test separator w/ a 2" meter run. FTP 80 psi csg 152 psi. Rec 80 bbl wtr w/ a gas rate of 185 MCF/D. TBLR 681 BLTR +415 Day 17 DC: \$100 TACC: \$39,900 CC: \$97,500

12/15/92- 24 hours flowing thru a 2-phase test separator w/ a 2" meter run. FTP 97 psi csg 170 psi. Rec 72 bbl wtr w/ a gas rate of 160 MCF/D. Pull water and gas samples, shut well in. TBLR 753 BLTR +487 Day 18 DC: \$12,400 TACC: \$52,300 CC: \$109,900

12/16/92- 24 hours FTP 360 psi SICP 360 psi. TBLR 753 BLTR +487 Day 19 DC: \$00 TACC: \$52,300 CC: \$109,900

12/17/92- 24 hours FTP 375 psi SICP 380 psi. TBLR 753 BLTR +487 Day 20 DC: \$00 TACC: \$52,300 CC: \$109,900

12/18/92- 72 hours SITP 375 ps SICP 380 psi. TBLR 753 BLTR +487 Day 21 DC: \$00 TACC: \$52,300 CC: \$109,900

12/19/92- 96 hours SITP 392 psi SICP 395 psi. TBLR 753 BLTR +487 Day 22 DC: \$00 TACC: \$52,300 CC: \$109,900

12/20/92- 120 hours SITP 392 psi SICP 395 psi. TBLR 753 BLTR +487 Day 23 DC: \$00 TACC: \$52,300 CC: \$109,900

Final Report

MIRU and spud well on 17 Oct 92. Drill 8-3/4" hole to 150' KB. RU and ran 3 jts 7" 20# J-55 R-3 8R csg and landed @ 144' KB. RU Western and cemented with 100 sks cement. Obtained full returns with 6 bbls good cement to surface. Plug down on 18 Oct 92. PU 6-1/4" bit and TIH. Drill 6-1/4" hole to 1,560'. C&C hole. Ran DIL/FDC/CNL/GR & Coal logs. C&C. RU and ran 37 jts 4-1/2" 10.5# K-55 R3 ST&C csg. Landed at 1,554' KB. Cement with 215 sks. Tail with 25 sks. Obtained full returns. PD on 19 Oct 92. Release rig on 19 Oct 92. RU 28 Nov 92. NU BOPE. Clean out. Perf'd Fruitland Coal from 1,403'-1,415' 4 jspf, 90 degree phasing. Frac down csg with 216 bbls 70 quality foam and 55,000# 20/40 Brady sand. Flow well back after frac. Test on 15 Dec 92 was through a two phase separator flowing 160 Mcfpd, 72 bwpd. FTP = 97 psi, Csg = 170 psi. Shut well in. Waiting on pipeline. TAC: \$109,900