

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 078209

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

E. H. Pipkin 28

9. API Well No.

30-045-28548

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

Name of Operator

BHP Petroleum (Americas), Inc.

Address and Telephone No

5847 San Felipe, Suite 3600, Houston, TX 77057 (713) 780-5000

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

Section 36-T28N-R11W

825' FSL & 840' FWL (SW/SW)

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 History

- ☐ 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.)

3. 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.)

MIRU. Spud well @ 4:30 p.m. on 5/26/91. Drld 8-3/4" hole to 140' KB. Ran 3 jts 7", 20#, 8R, R3 ST&C csg and landed @ 134' KB. Cmt'd w/ 124 sx (146.32 cu ft.) Class "B" w/ 3% CaCl and 1/4#/sx Cello seal. Had full returns. PD @ 7:45 p.m. WOC. NU BOPE. Press test csg and blind rams to 1500 psi. Drld 6-1/4" hole to 1870'. POOH. RU & ran DIFL/DSN/SDL/ and Coal logs. RD. TIH. Circ and cond. RU & ran 43 jts 4-1/2", 10.5#, J-55, 8R, ST&C csg and landed @ 1865' KB. Cmt'd w/ 650 sx (819 cu ft) 50/50 POZ, 2% gel, 10% salt and 1/4#/sx Cello seal. Tail w/ 40 sx (46.8 cu ft) Class "B" w/ 1.2% CF-18. Had full returns. Bumped plug and float held. PD @ 8:30 a.m. on 5/29/91. WOCT.

The daily history of the completion operations on the subject well is attached.

RECEIVED

SEP 12 1991

OIL CON. DIV.

DIST. 3

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

Signed Beverly Comer

Title Production Technician

Date 8/12/91

(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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side
NMOCD

FARMINGTON RESOURCE AREA

BHP PETROLEUM (AMERICAS), INC.
E. H. PIPKIN #28
BASIN FRUITLAND COAL
SECTION 36-T28N-R11W
SAN JUAN COUNTY, NEW MEXICO

SW SW Sec 36, T28N, R11W, Basin Fruitland Coal, San Juan Co., NM.
PROJ TD 1,850' BHP 1.% NRI .825% **SPUD DATE 05/26/91**

05/27/91- TD: 140' MIRU spud well at 4:30 p.m. on 5-26-91, drill 8 3/4" hole to 140' KB. Ran survey RU & ran 3 JTS 7" 20# 8R R-3 ST & C csg. & landed @ 134' KB. RU Western & cement w/ 124 sks. class "B" w/ 3% CaCl & 14#/sk cello seal. Obtained full returns w/6 bbl cement circ to surface. Plug down @ 7:45 p.m. on 5/26/91 WOC NU BOPE.

05/28/91- TD: 1700' Pressure test blind rams to 1500 psi, pipe rams to 1000 psi & annular to 500 psi. Drill 6 1/4" hole to 1700' w/2 surveys. Drilling w/gas & water flow.

05/29/91- TD: 1870' Day 3 Drill 6 1/4" hole to 1870' w/1 survey. Pull up & mix mud to kill water flow. Short trip 10 stands & POOH for logs. RU HCL & ran DIFL, DSN, SDL & coal logs. Logger TD 1864' RD HLC TIH circ & cond for csg. POH LD DP RU & ran 43 jts 4 1/2" 10.5# J-55 8R ST&C csg & landed @ 1865' KB. RU western to cement.

06/25/91- TD: 1870' MIRU PU bit & csg scrapper on 2 3/8" tbg & tally in hole. Found PBTD @ 1836' KB DC: \$1,300 TAC: \$76,550

06/26/91- Circ hole clean w/2% KCL water. Pressure test BOPE & csg to 2500 psi. TOH w/tbg RU elec line & ran a GR/CCL log. Perforate the Fruitland Coal from 1606' to 1620' w a 3 1/8" premium charged csg, Gun loaded 4 jspg @ 90 deg. Phasing. POOH all shots fired. MI Frac tank, fill w/filtered water.

06/27/91- TD 1870' RU western to fracture stimulate the Fruitland Coal down 4 1/2" csg w/31,100 gal 20# gel, N/2 70 quality foam & 72,250# 12/20 Brady Sand @ 20 BPM. Pump pad @ 1870 psi & start the ppg 12/20 sand. Job screened out as soon as the 1 PPG 12/20 hit the formation 2,200# of 12/20 sand in formation, all the 2 PPG left in csg. 120 bbl clean fluid to recover. ISIP 2290 psi, 15 min, 2110 psi, min pressure 1540 psi, max 2600 psi, avg 1900 psi, avg inj rate 20 BPM. MIRU PU tbg & TIH. Tag sand @ 1620' KB. Clean out w/N/2 to PBTD. TOH w/tbg. Waiting to re-frac. TBLR 30 BLTR 90

06/28/91- TD 1870' SICP 80 psi. Re-gel frac tank. RU western to restimulate the lower Fruitland Coal dn 4 1/2" csg w/a 30# X-link, 70 quality foam system & 18,000# 40/70 Brady Sand, 55,050# 12/20 Brady Sand @ 20 BPM. Max sand conc 7.5# ppg Clean fluid to recover 375 bbl. Flush w/N/2. ISIP 1320 psi, 15 min 1215 psi. 4 hr SICP 690 psi. Open well to frac tank on a 3/8" pos choke. TLBR 30 BLTR 465

06/29/91- TD 1870' PBTD: 1836' Perfs 1606-1620'. 12 hours flowing on a 3/8" pos choke. Rec 40 bbl fluid w/ a gas rate of 170 MCF/D. FCP 50 psi. MIRU and kill well w/30 bbl 2% KCL water. TIH w/tbg and tag sand at 1660'. Clean out w/N/2 to PBTD pull back to 1646' and land tbg. Unload well w/ N/2. Left well on test through a 3/8" pos choke. FTP 100 psi. TLBR 70 BLTR 455 DC: \$2,200 TAC: \$123,150

06/30/91- TD: 1870' PBTD: 1836' Perfs 1606-1620'. 18 hours flowing on a 3/8" pos choke. Recovered 25 bbl fluid w/ a gas rate of 000

MCF/D. Tbg was logged off. Csg pressure was 230 psi. Soap tbg and kick off flowing. Well flowing good. DC: \$200 TACC: \$48,100 TAC: \$123,350

07/01/91- TD: 1870' PBDT: 1836' Perfs 1606-1620'. 24 hours flowing on a 3/8" pos choke. Recovered 200 bbl fluid w/ a gas rate of 400 MCF/D. FTP 120 psi, csg pressure was 170 psi. TBLR 295 BLTR 230

07/02/91- TD: 1870; PBDT: 1836' Perfs 1606-20' 1440-1450'. 14 hrs flowing on a 3/8" pos choke. Rec 00 bbl fluid w/a gas rate of 450 MCF/D. FTP 135 psi, csg press 185 psi. MIRU. Kill well w/2% KCL and additives. POOH w/tbg. PU & set 4-1/2" retrievable bridge plug. Tested bridge plug w/2500 psi. MIRU Electric Line. Perf the Upper Fruitland Coal interval from 1440-1450' w/3-1/8" premium charged 90 deg phased csg gun at 4 JSPF. All shots fired. No pressure to surface. RD Electric Line. SDFN. TBLR 295 BLTR 230

07/02/91- TD: 1870; PBDT: 1836' Perfs 1606-20' 1440-1450'. 14 hours flowing on a 3/8" pos choke. Rec 00 bbl fluid w/a gas rate of 450 MCF/D. FTP 135 psi, csg press 185 psi. MIRU. Kill well w/2% KCL and additives. POOH w/tbg. PU and set 4-1/2" retrievable bridge plug. Tested bridge plug w/2500 psi. MIRU Electric Line. Perf the Upper Fruitland Coal interval from 1440-1450' w/ 3-1/8" prem charged 90 deg phased csg gun at 4 JSPF. All shots fired. No pressure to surface. RD Electric Line. SDFN. TBLR 295 BLTR 230

07/03/91- TD: 1870' PBDT: 1836' Perfs 1606-20' 1440-1450'. RU Western to frac stimulate the Upper Fruitland Coal. Pump 50 bbl pad and press up to 2600 psi. Shut dn. RD Western and TIH w/tbg and packer. Set packer at 1407' w/tail pipe at 1439' KB. Pump 250gal 15% HCl acid @ 1 BPM. Broke back from 3800 psi to 2100 psi. Displace to top perf. Release pkr and TOH w/tbg. RU Western to Frac stimulate the Upper Fruitland Coal dn 4-1/2" csg with a 30# X link, 70 quality foam system and 12,500# 40/70 Brady sand, 49,100# 12/20 Brady sand at 20 BPM. Max press 2700 psi, min 1690 psi, avg 1 psi. Avg rate 21 BPM. Max sand conc 5.5# ppg screen job out when the 5.5# hit the perfs. Clean fluid to recover 374 bbl. ISIP 2630 psi, 15 min. 2450 psi. 5 hr SICP 2100 psi. Open well to frac tank on 3/8" pos choke. TBLR 295 BLTR 604

07/04/91- TD: 1870' PBDT: 1836' Perfs 1606-20' 1440-1450'. Kill well w/2% KCL water. PU tbg and TIH tag sand at 1450. Clean out w/ N/ø to bridge plug. Pull up and land tbg at 1450'. Unload well and put on test through a 3/8" pos choke.

07/05/91- TD: 1870' PBDT: 1836' Perfs 1606-20' 1440-1450'. 18 hours flow testing well through a 3/8" pos choke. Rec 03 bbl load w/ a gas rate of 17 MCF/D from the Upper Coal. FTP 5 psi, csg 38 psi. TBLR 348 BLTR 551 Days 11.

07/06/91- TD: 1870' PBDT: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 07 bbl load w/ a gas rate of 41 MCF/D from the Upper Coal. FTP 12 psi, csg 38 psi. TBLR 355 BLTR 544 Days 12.

07/07/91- TD: 1870' PBDT: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 08 bbl load w/ a gas rate of 41 MCF/D from the Upper Coal. FTP 12 psi, csg 62 psi. TBLR 363 BLTR 536 Days 13.

07/08/91- TD: 1870' PBDT: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 06 bbl load w/ a gas rate of 41 MCF/D from the Upper Coal. FTP 12 psi, csg 62

psi. TBLR 369 BLTR 530 Days 14.

07/09/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 04 bbl load w/ a gas rate of 41 MCF/D from the Upper Coal. FTP 12 psi, csg 62 psi. Kill well w/20 bbl 2% KCL water and TOH w/tbg. TIH w/retrieving tool and clean out to BP w/N/2. Latch on BP and release. POOH with BP, TIH w/tbg and clean out to PBD w/ N/2. Pull up and land tbg w/50 jts 2 3/8" 4.7# J-55 EUE at 1637' KB w/SN at 1604'. ND BOPE and NU well head. Unload well with N/2. Put well on test through a 3/8" pos choke. TBLR 394 BLTR 521 Days 15.

07/10/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. 20 hours flow testing well through a 3/8" pos choke. Rec 03 bbl load w/ a gas rate of 200 MCF/D from both zones. FTP 60 psi, csg 106 psi. TBLR 397 BLTR 518 Days 16.

07/11/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 08 bbl load w/ a gas rate of 200 MCF/D from both zones. FTP 60 psi, csg 105 psi. TBLR 405 BLTR 510 Days 17.

07/12/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 03 bbl load w/ a gas rate of 210 MCF/D from both zones. FTP 602psi, csg 100 psi. TBLR 408 BLTR 507 Days 18.

07/13/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 03 bbl load w/ a gas rate of 215 MCF/D from both zones. FTP 63 psi, csg 95 psi. TBLR 411 BLTR 504 Days 19.

07/14/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 03 bbl load w/ a gas rate of 220 MCF/D from both zones. FTP 65 psi, csg 100 psi. TBLR 414 BLTR 501 Days 20.

07/15/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 02 bbl load w/ a gas rate of 230 MCF/D from both zones. FTP 68 psi, csg 102 psi. TBLR 416 BLTR 499 Days 21.

07/16/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 02 bbl load w/ a gas rate of 240 MCF/D from both zones. FTP 70 psi, csg 102 psi. TBLR 418 BLTR 497 Days 22.

07/17/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 01 bbl load w/ a gas rate of 245 MCF/D from both zones. FTP 72 psi, csg 100 psi. TBLR 419 BLTR 496 Days 23.

07/18/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 01 bbl load w/ a gas rate of 245 MCF/D from both zones. FTP 72 psi, csg 100 psi. TBLR 420 BLTR 495 Days 24.

07/19/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 01 bbl load w/ a gas rate of 255 MCF/D from both zones. FTP 75 psi, csg 100 psi. TBLR 421 BLTR 494 Days 25.

07/20/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 02 bbl load w/ a gas rate of 255 MCF/D from both zones. FTP 75 psi, csg 100 psi. TBLR 423 BLTR 492 Days 26.

07/21/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 02 bbl load w/ a gas rate of 265 MCF/D from both zones. FTP 78 psi, csg 95 psi. TBLR 425 BLTR 490 Days 27.

07/22/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 01 bbl load w/ a gas rate of 265 MCF/D from both zones. FTP 78 psi, csg 92 psi. TBLR 426 BLTR 489 Days 28.

07/23/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. 24 hours flow testing well through a 3/8" pos choke. Rec 02 bbl load w/ a gas rate of 265 MCF/D from both zones. FTP 78 psi, csg 92 psi. Took gas analysis samples and shut well in. TBLR 428 BLTR 487 Days 29.

07/24/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. Well shut in waiting on pipeline connection. 24 hr SICP 140 SITP 102. TBLR 428 BLTR 487 Days 30.

07/25/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. Well shut in waiting on pipeline connection. 48 hr SICP 142 SITP 127. TBLR 428 BLTR 487 Days 31.

07/26/91- TD: 1870' PBD: 1836' Perfs 1606-20' 1440-1450'. Well shut in waiting on pipeline connection. 72 hr SICP 142 SITP 127. TBLR 428 BLTR 487 Days 32.