

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

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**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. SF 078019
2. Name of Operator BHP Petroleum (Americas), Inc.	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 5847 San Felipe, Suite 3600, Houston, TX 77057 (713) 780-5000	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1380' FNL & 855' FEL (SE/NE) Section 1-T27N-R11W	8. Well Name and No. E.H. Pipkin 27
	9. API Well No. 30-045-28545
	10. Field and Pool, or Exploratory Area Basin Fruitland Coal
	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	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Completion History</u>	<input type="checkbox"/> 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.)\*

MIRU. Spud well @ 9:00 p.m. on 5/18/91. Drld 8-3/4" hole to 143' KB. Cmt'd w/ 125 sxs (147.5 cu ft) Class "B" w/ 1/4#/sx Cello seal and 3% CaCl. Obtained full returns. PD @ 3:00 a.m. on 5/19/91. WOC. NU BOPE. Press test csg and blind rams to 1500 psi. Drld 6-1/4" hole to 1886'. POOH. RU and ran DIFL/SDL/DSN/ and Coal logs. TIH and circ. Ran 43 jts 4-1/2", 10.5#, J-55, 8R, ST&C csg and landed @ 1861' KB. Cmt'd w/ 540 sxs (680.4 cu ft) 50/50 POZ w/ 2% gel, 10% salt, and 1/4#/sx Cello Seal. Tail w/ 35 sxs (41.3 cu ft) Class "B" w/ 1.2% CF-18. Had full returns. Bumped plug w/ 1500#, float held. PD and released rig on 5/22/91.

The completion operations history on the subject well is attached.

RECEIVED  
SEP 12 1991  
OIL CON. DIV.  
DIS. DIV.

SEP 2 1991  
FARMINGTON RESERVE AREA

14. I hereby certify that the foregoing is true and correct		
Signed <u>Beverly Comer</u>	Title <u>Production Technician</u>	Date <u>8/13/91</u>
(This space for Federal or State office use)		
Approved by _____	Title _____	Date _____
Conditions of approval, if any:		

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

BHP PETROLEUM (AMERICAS), INC.  
E. H. PIPKIN NO. 27  
BASIN FRUITLAND COAL  
SECTION 1-T28N-R11W  
SAN JUAN COUNTY, NEW MEXICO

5/19/91- TD: 143'. MIRU spud well @ 9:00 p.m. on 5/18/91. Drill 8 3/4" hole to 143' KB. LD collars & PU 3 jts 7" 20# J-55 8R ST&C csg & land @ 134' KB. RU western & cement w/125 sks class "B" w/1/4# per sk cello seal & 3% CaCl. Obtained full returns w/8 bbls. Cement circ to surface. Plug down @ 3:00 a.m. on 5/19/91. WOC.

5/20/91- TD: 300'. WOC NU BOPE pressure test blind rams to 1500 psi, pipe rams to 1000 psi & hydril to 500 psi, Drill out cement & drill 6 1/4" open hole to 300' w/1 survey.

05/21/91- TD: 1775'. Drill 6 1/4" open hole to 1775' with one survey.

05/22/91- TD: 1886'. Drill 6 1/4" open hole to 1886'. Circ hole & mix mud to kill water flow. MW 12 ppg. short trip & POOH. RU Haliburton logging & ran DIFL, SDL, DSN & Coal logs. Logger TD 1842'. RD logger TIH & circulate. POH & LD drill pipe. RU to run csg.

05/23/91- TD: 1866'. Ran 43 jts 4 1/2" 10.5 # J-55 8R ST&C csg & landed @ 1861' KB. RU western & cemented w/540 SKS 50/50 poz w/2% gel, 10% salt 1/4# SK cello seal & tail w/35 SKS class B w/1.2% CF-18 low fluid loss. Obtained full returns w/18 bbl good cement circ to surface. Bumped plug w/1500#, float held. Plug dn @ 10:15 a.m. 5/22/91. Jet pits & release rig @ 2:15 p.m. on 5/22/91.

06/21/91- TD: 1866' MIRU NU BOPE. TIH w/ bit & csg. Scrapper on 2 3/8" tbq. Tally in found PBTD @ 1833'. Circ hole clean w/2% KCL. Pressure test BOPE & csg 2,500 psi OK TOH w/bit, scrapper & tbq. RU elect line & GIH GR/CCL tools for tie in. POH GIH 3 1/8" csg Gun loaded w/4 JSPF premium charges & 90 deg phasing. Perforate the Fruitland Coal from 1585' to 1601'. POH all shots fired. RD elect line. MI filter & fill one frac tank w/city water.

06/22/91- TD: 1866' RU HOWCO to fracture stimulate the Fruitland Coal down 4 1/2' csg before pumping HOWCO was experiencing elect problems w/the computer in the van & on the blender. After 2 hrs repair started job. The pad was pumping @ 2,100 psi & @ the tail end of the pad they developed a bad leak in a swivel jet. SD to repair. Replace swivel in 10 min could not get the blender tub valves to operate. After 30 min. Flush csg w/foam. HOWCO to repair blender & try a refrac on the 23rd. SI. Filter & fill frac tank w/city water.

06/23/91- TD: 1866' Repair blender & computer [rpb;e,s/ Rege; frac tank, blender down. Change out blender. Pressure test lines & open BOP SICP 533 psi. Fracture stimulate the Fruitland Coal down 4 1/2" csg w/215 bbl clean fluid mixed as a 30X linked, 70 quality N/2 foam. Frac rates, foam volumes & sand cond are unknown @ this time. Massive computer failure along w/a pump truck. One fact known, we had too much fluid left in the frac tank & at least 2 stages were skipped. Max pressure 1622 psi, min 950 psi, avg 1000 psi ISIP 1070 psi, 5 min 1053 psi, 10 min 1044 psi 15 min 1040 psi. 4 hr SICP 995 psi open well to frac tank on a 3/8" pos choke.

15 hr flowing FCP 30 psi, recovered 97 bbl. TBLR 97 BLTR 206  
06/24/91- 24 hrs flowing thru a 3/8" pos choke recovered 30 bbl load water w/FCP of 0 psi. Well flowing in heads w/large amounts of frac sand. TBLR 127 BLTR 176  
06/25/91- TD: 1866' Kill well w/2% KCL water & TIH w/expendable check on 2 3/8" tbg. Tag sand @ 1600' KB, clean out to PBTD w/N/2. Pull back to 1646' & land tbg. Pump off check & unload well w/N/2. Left well flowing to frac tank on a 3/8" pos choke. Note: found the 3/8" choke cut out to a 5/8" dia., replace. TBLR 127 BLTR 206  
06/26/91- TD: 1866' 19 hrs flow testing well on a 3/8" pos choke. Recovered 40 bbl load w/a gas rate of 200 MCF/D. FTP 60 psi, csg pressure 146 psi.  
06/27/91- TD: 1866' 24 hrs flow testing well on a 3/8" pos choke. Recovered 03 bbl load w/a gas rate of 300 MCF/D. FTP 93 psi, csg pressure 150 psi. Kill well w/2% KCL & TOH w/tbg. TIH w/retrievable bridge plug & set @ 1523'. Dump 2' sand on top of BP & test to 2500 psi OK. RU elec line & perf the upper Fruitland Coal from 1430' to 1440' w/3 1/8" premium charged csg gun loaded 4 JSPF w/90° phasing. POOH all shots fired. MI frac tank & fill w/filtered water. TBLR 170 BLTR 183  
06/28/91- TD: 1866' RU Howco to frac stimulate the Upper Fruitland Coal down 4 1/2" csg w/30# X-link, 70 quality foam system w/1,500# 40/70 Brady Sand & 12,800# 12/20 Brady Sand in form @ 15 BPM. The job locked up on the pad @ 2,600 psi, pumped N/2 @ low rate & the press. Dropped dn. Start pad over & continue w/job. Job screened out w/250 gal of the 6 ppg stage in the csg 131 bbl load to recover. Max pressure 2600 psi avg, 1700 psi avg rate 15.5 BPM. Max sand conc 5 ppg. TBLR 170 BLTR 314  
06/29/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 0 pressure on csg. PU and TIH w/tbg. Tag sand at 1485'. Pull back and land tbg at 1473' KB. Unload well w/N/2 and put on test through a 3/8" pos choke. TBLR 170 BLTR 314  
06/30/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 16 hrs flowing on a 3/8" pos choke. Recovered 00 bbl fluid with a gas rate of 20 MCF/D on the Upper Coal zone. FTP 6 psi, csg 0 psi.  
07/01/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hrs flowing on a 3/8" pos choke. Recovered 00 bbl fluid with a gas rate of 20 MCF/D on the Upper Coal zone. FTP 0 psi, csg 20 psi. TBLR 170 BLTR 314  
07/02/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 12 hours flowing on a 3/8" pos choke. Rec 00 bbl fluid w/a gas rate of 20 MCF/D on the Upper Coal zone. FTP 0 psi, csg 20 psi. MIRU. TOH w/tbg. Shut well in. 10 hour SI pressure 300 psi. TBLR 170 BLTR 314  
07/03/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 1/4" pos choke. Rec 00 bbl fluid w/a gas rate of 40 MCF/D on the Upper Coal zone. FCP 27 psi. TBLR 170 BLTR 314  
7/04/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 1/4" pos choke. Rec 00 bbl fluid w/a gas rate of 41 MCF/D on the Upper Coal zone. FCP 28 psi. TBLR 170 BLTR 314  
7/05/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 1/4" pos choke. Rec 00 bbl fluid w/a gas rate of 55 MCF/D on the Upper Coal zone. FCP 37 psi. TBLR 170 BLTR 314  
7/06/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24

hours flowing on a 1/4" pos choke. Rec 00 bbl fluid w/a gas rate of 63 MCF/D on the Upper Coal zone. FCP 43 psi. MIRU PU retrieving tool on tbg and TIH. Clean out w/N/2 to bridge plug latch on and release. POOH LD BP. TIH and land tbg at 1646' KB with 51 jts 2-3/8" 4.7# 8R J-55 EUE. Put well on test flowing through a 3/8" pos choke. TBLR 170 BLTR 314

7/07/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 18 hours flowing on a 3/8" pos choke. Rec 40 bbl fluid w/a gas rate of 200 MCF/D. FTP 70 psi, csg 120 psi. Both zones open. TBLR 210 BLTR 274

7/08/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 3/8" pos choke. Rec 02 bbl fluid w/a gas rate of 280 MCF/D. FTP 83 psi, csg 110 psi. Both zones open. TBLR 212 BLTR 272

7/09/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 3/8" pos choke. Rec 01 bbl fluid w/a gas rate of 230 MCF/D. FTP 68 psi, csg 110 psi. Both zones open. TBLR 213 BLTR 271

7/10/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 3/8" pos choke. Rec 00 bbl fluid w/a gas rate of 230 MCF/D. FTP 68 psi, csg 105 psi. Both zones open. TBLR 213 BLTR 271

07/11/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 3/8" pos choke. Rec 00 bbl fluid w/a gas rate of 245 MCF/D. FTP 72 psi, csg 105 psi. Both zones open. TBLR 213 BLTR 271

07/12/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 3/8" pos choke. Rec 00 bbl fluid w/a gas rate of 245 MCF/D. FTP 72 psi, csg 105 psi. Both zones open. TBLR 213 BLTR 271

07/13/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 3/8" pos choke. Rec 01 bbl fluid w/a gas rate of 245 MCF/D. FTP 72 psi, csg 108 psi. Both zones open. TBLR 214 BLTR 270

07/14/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 3/8" pos choke. Rec 00 bbl fluid w/a gas rate of 245 MCF/D. FTP 72 psi, csg 102 psi. Both zones open. TBLR 214 BLTR 270

07/15/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 3/8" pos choke. Rec 00 bbl fluid w/a gas rate of 255 MCF/D. FTP 75 psi, csg 108 psi. Both zones open. TBLR 214 BLTR 270

07/16/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 3/8" pos choke. Rec 01 bbl fluid w/a gas rate of 255 MCF/D. FTP 75 psi, csg 100 psi. Both zones open. TBLR 215 BLTR 269

07/17/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 3/8" pos choke. Rec 00 bbl fluid w/a gas rate of 255 MCF/D. FTP 75 psi, csg 105 psi. Both zones open. TBLR 215 BLTR 269

07/18/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 3/8" pos choke. Rec 00 bbl fluid w/a gas rate of 255 MCF/D. FTP 75 psi, csg 105 psi. Both zones open. TBLR 215 BLTR 269

07/19/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 3/8" pos choke. Rec 00 bbl fluid w/a gas rate of 255 MCF/D. FTP 75 psi, csg 105 psi. Both zones open. TBLR 215 BLTR 269

07/20/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 3/8" pos choke. Rec 00 bbl fluid w/a gas rate of 255 MCF/D. FTP 75 psi, csg 105 psi. Both zones open. TBLR 215 BLTR 269

07/21/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 3/8" pos choke. Rec 00 bbl fluid w/a gas rate of 255 MCF/D. FTP 75 psi, csg 105 psi. Both zones open. TBLR 215 BLTR 269

07/22/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. 24 hours flowing on a 3/8" pos choke. Rec 00 bbl fluid w/a gas rate of 255 MCF/D. FTP 75 psi, csg 105 psi. Both zones open. Took gas analysis samples and shut well in. TBLR 215 BLTR 269

07/23/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. Wellshut in waiting on pipeline connection. 24 hour SICP 140 psi. TBLR 215 BLTR 269

07/24/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. Well shut in waiting on pipeline connection. 48 hour SICP 140 psi. SITP 128 TBLR 215 BLTR 269

07/25/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. Well shut in waiting on pipeline connection. 72 hour SICP 140 psi. SITP 137 TBLR 215 BLTR 269

07/26/91- TD: 1866' PBTD: 1833' Perfs 1585-1601' 1430-1440'. Well shut in waiting on pipeline connection. 96 hour SICP 140 psi. SITP 137 TBLR 215 BLTR 269