

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. <b>SE-078019</b>
2. NAME OF OPERATOR <b>BHP Petroleum (Americas) Inc.</b>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <b>5847 San Felipe Suite 3600 Houston TX 77057-3005</b>	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1020' FSL &amp; 790' FWL</b>	8. FARM OR LEASE NAME <b>E. H. Pipkin</b>
14. PERMIT NO.	9. WELL NO. <b>18</b>
15. ELEVATIONS (Show whether OF, RT, GR, etc.) <b>6001' GR; 6006' KB</b>	10. FIELD AND POOL, OR WILDCAT <b>Basin Fruitland</b>
	11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA <b>Section 12, T27N-R11W</b>
	12. COUNTY OR PARISH <b>San Juan</b>
	13. STATE <b>New Mexico</b>

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

Recompletion History

Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. 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.) \*

API No. 30-045-25144

A daily summary of the recompletion operations performed on the subject well is attached.

NOTE: Verbal approval to add the Upper Fruitland perfs (1570'-1662') to this recompletion operation was received from Steve Mason - Bureau of Land Management-Farmington on 4/16/90.

RECEIVED

JUN 29 1990

OIL CON. DIV.  
DIST. 3

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

SIGNED Paul C. Bertoglio  
Paul C. Bertoglio  
(This space for Federal or State office use)

TITLE Senior Petroleum Engineer DATE 6/4/90

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED FOR RECORD

DATE  
JUN 27 1990

NMCCS  
\*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA  
BY W. A.

BHP PETROLEUM (AMERICAS), INC.  
E.H. PIPKIN NO. 18  
SW SW SECTION 12 T27N - R11W  
BASIN FRUITLAND COAL FIELD  
SAN JUAN COUNTY, NEW MEXICO

RECOMPLETION HISTORY

- 4-10-90 MI RUCT. ND wellhead and NU BOP. TOOH. PU packer and TIH. Set packer at 1586'. Squeezed Pictured Cliffs perfs with 50 sx Class 'G' cement. Released packer and reverse circulated hole. PU 4 jts and reset packer. WOC.
- 4-11-90 Released packer and TOOH. PU bit and TIH. Drilled cement from 1711' to 1848'. Tested squeeze to 300 psi - held OK. TOOH. PU csg scraper and TIH. SDFN.
- 4-12-90 Circulated hole clean with 2% KCl water. Swab well down to 500'. TOOH. Perf'd lower Fruitland Coal from 1766' to 1780' with 1 JSPF. TIH with tubing. Dumped sand down tubing to cover squeezed perfs. PU and blew well dry with nitrogen. Attempted to frac down casing - could not pump into perfs. TIH with packer and set at 1700'. Pumped 20 bbls of 2% KCl water into perfs at 3000 psi. Released packer and TOOH. SDFN.
- 4-13-90 Reperforated the Fruitland Coal from 1766' to 1780' with 1 JSPF. Pumped 20 bbls of 2% KCl water down casing at 2800 psi. PU and TIH with packer. Blew well dry with nitrogen. Pumped 250 gals of 7 1/2% HCl with additives. Over displace acid 1 bbl with 2% KCl water. Released packer and TOOH. Frac'd down casing at 15 BPM with 56,000 gals of 70 Q nitrogen foam containing 10,000# of 40/70 sand and 32,500# of 20-40 sand. Flowed frac back to tank thru a 3/8" choke.
- 4-14-90 Well dead. TIH with tubing and tag sand at 1758'. Cleaned out well to 1852' with nitrogen. PU and landed tubing at 1791'. Flowed well thru a 3/8" choke to tank overnight.
- 4-15-90 17 hours flowing; recovered 50 bbls of load water; FTP - 0 psi; SICP - 425 psi. Ran swab and kicked well off. Left well flowing to tank overnight.
- 4-16-90 24 hours flowing; FTP - 15 psi; recovered 17 bbls of load water.
- 4-17-90 24 hours flowing; FTP - 9 psi; recovered 12 bbls of load water.

- 4-18-90 24 hours flowing; FTP - 0 psi; recovered 0 bbls of water; CP - 100 psi.
- 4-19-90 POOH with tubing. Set a RBP at 1725'. TIH with tubing and circulated hole with 2% KCl water. Test RBP to 1000 psi - held OK. Swab well down to 1000'. TOOH. Perforated the upper Fruitland Coals from 1570'-74', 1592'-95', 1598'-1600', 1630'-32', and 1659'-62' with 1 JSPF. TIH with tubing and packer. Set packer at 1541'. Swab well dry - no flow. SIFN.
- 4-20-90 12 hours SITP - 160 psi. Blew well down. Broke down perfs with 22 bbls of 2% KCl water. Swab back load - slight blow. SIFN.
- 4-21-90 Attempted to frac down casing - could not pump into perfs. Reperforated same upper Fruitland Coal intervals with 2 JSPF. Frac'd down casing at 20 BPM with 54,000 gals of 70 Q foam with 5,000# 40/70 sand and 53,000# 20-40 sand. Left well shut-in overnight.
- 4-22-90 Flowed well to tank thru a 3/8" choke. Recovered 47 bbls of load water.
- 4-23-90 TIH with tubing and packer. Tag sand at 1610' - TOOH. TIH with tubing and circulate out sand with 2% KCl water to 1725'. TOOH. SDFN.
- 4-24-90 TIH with tubing. Swab well in. Left flowing to tank overnight thru a 3/8" choke.
- 4-25-90 Well dead. TOOH. PU retrieving head and TIH. Tag sand at 1640'. Cleaned out well to top of RBP with nitrogen. Latch onto, released, and TOOH with RBP. TIH with tubing to 1790'. Cleaned out well to 1852' with nitrogen. Start to TOOH. SDFN.
- 4-26-90 FOOH. Ran tracer check survey. TIH and landed 58 jts of 2 3/8" tubing at 1790'. ND BOP and NU wellhead. Swabbed well down and kicked well off flowing thru a 1/4" choke. Left well flowing to tank overnight.
- 4-27-90 Recovered 13 bbls of load water; FTP - 25 psi; gas rate 35 MCFD. TIH with pump and rods. Set pumping unit. Waiting on electricity.
- 4-28-90 20 hr SICP - 415 psi.
- 4-29-90 Flowed well up casing thru a 3/8" choke. FCP - 16 psi; recovered 2 bbls of water; rate 54 MCFD.
- 4-30-90 Continued flowing well up casing; FCP - 22 psi; recovered 3 bbls of water; rate 75 MCFD.

5-1-90 Continued flowing well up casing; FCP - 20 psi; recovered 3 bbls of water; rate 68 MCFD.

5-2-90 Continued flowing well up casing; FCP - 17 psi; recovered 3 bbls of water; rate 58 MCFD.

5-3-90 Started pumping unit. Recovered 2 bbls of water; FCP - 26 psi; rate - 88 MCFD.

5-4-90 Continued flow testing well thru a 2" orifice well tester with a 1/4" plate. Recovered 2 bbls of load water; gas rate 117 MCFD.

5-5-90 FCP - 80 psi; rate - 131 MCFD; recovered 2 bbls of load water.

5-6-90 FCP - 86 psi; rate - 140 MCFD; recovered 2 bbls of load water.

5-7-90 FCP - 90 psi; rate 145 MCFD; recovered 2 bbls of load water.

5-8-90 FCP - 94 psi; rate 150 MCFD; recovered 2 bbls of load water.

5-9-90 FCP - 99 psi; rate 158 MCFD; recovered 2 bbls of load water.

5-10-90 Changed plate to 3/8". FCP - 43 psi; rate 170 MCFD; recovered 2 bbls of load water.

5-11-90 FCP - 45 psi; rate 176 MCFD; recovered 2 bbls of load water.

5-12-90 FCP - 47 psi; rate 182 MCFD; recovered 2 bbls of load water.

5-13-90 FCP - 48 psi; rate 185 MCFD; recovered 2 bbls of load water.

5-14-90 FCP - 50 psi; rate 191 MCFD; recovered 2 bbls of load water.

5-15-90 FCP - 52 psi; rate 196 MCFD; recovered 2 bbls of load water.

5-16-90 FCP - 53 psi; rate 199 MCFD; recovered 2 bbls of load water.

5-17-90 FCP - 54 psi; rate 202 MCFD; recovered 2 bbls of load water.

5-18-90 FCP - 55 psi; rate 205 MCFD; recovered 2 bbls of load water.

5-19-90 FCP - 58 psi; rate 214 MCFD; recovered 2 bbls of load water.

5-20-90 FCP - 58 psi; rate 214 MCFD; recovered 2 bbls of load water.

5-21-90 FCP - 60 psi; rate 220 MCFD; recovered 2 bbls of load water.

5-22-90 FCP - 60 psi; rate 220 MCFD; recovered 2 bbls of load water. Shut-in well for build-up.

5-23-90 24 hours SITP - 140 psi; SICP - 380 psi.

5-24-90 48 hours SITP - 140 psi; SICP - 385 psi.

5-25-90 72 hours SITP - 140 psi; SICP - 385 psi. FINAL REPORT. WAITING ON APPROVAL TO FLOW GAS INTO PIPELINE.