

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.

51 FEB 11 PM 1:29
DIS FARMINGTON, N.M.

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.
5847 San Felipe, Suite 3600 Houston, TX 77057-3005

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
840' FNL & 815' FWL (NW NW)
Sec. 20, T29N-R12W

5. Lease Designation and Serial No.

SF 080723

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Gallegos Canyon Unit

8. Well Name and No.

Gallegos Canyon Unit 507

9. API Well No.

30-045-28331

10. Field and Pool, or Exploratory Area

W. Kutz Pictured Cliffs

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

- ☐ 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.)

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.)*

The daily history of the completion operations and deviation survey information performed at the subject well is attached.

RECEIVED
APR 16 1991
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
91 MAR 25 PM 2:57
DIS FARMINGTON, N.M.

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

Signed

Beverly Comer

Title Production Technician

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved by

Conditions of approval, if any:

Title

APR 04 1991

FARMINGTON RESOURCE AREA

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

BHP PETROLEUM (AMERICAS) INC.
GALLEGOS CANYON UNIT NO. 507
API NO. 30-045-28331

<u>DEPTH</u>	<u>DEVIATION</u>
637'	1/2°
1197'	1/2°

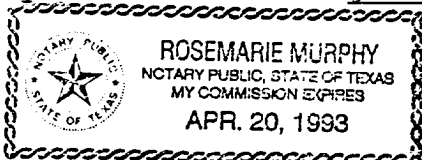
This is to certify that to the best of my knowledge the above tabulation details the deviation tests taken in the BHP PETROLEUM (AMERICAS) INC.'S Gallegos Canyon Unit No. 507 located 840' FNL and 815' FWL of Section 20 T29N-R12W in San Juan County, New Mexico.

Beverly Comer
Beverly Comer

THE STATE OF TEXAS))
COUNTY OF HARRIS) SS.

BEFORE ME, the undersigned authority, on this day personally appeared Beverly Comer known to me to be Production Technician for BHP Petroleum (Americas) Inc. and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said County and State this 20 day of March 1991.



Rosemarie Murphy
Notary Public

My Commission Expires Apr. 20 '93

BHP PETROLEUM (AMERICAS), INC.
GALLEGOS CANYON UNIT NO. 507
SECTION 20, T29N-R12W (NW/NW)
WEST KUTZ PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

WELL COMPLETION HISTORY

PROJ TD: 1525'

10/23/90- MIRU Spud well at 4:15 pm on 10/22/90. Drill 8-3/4" hole to 140'. Circ and POOH. RU and ran 3 jts 7" 23# J-55 R-3 ST&C csg, landed at 134.30' KB. RU Western and cmt w/100 sxs Class "B" w/2% CaCl & 1/4# sk cello seal. Obtained full returns with 4 bbls cmt circ to surface. Plug displaced to 102' KB. PD at 12:55 AM 10/23/90. WOC and NU BOPE.

10/24/90- Drlg @ 1290' (1150') NU BOPE. Test csg & blind rams to 2,000 psi, pipe rams to 1,500 psi and annular to 500 psi. Drill out cmt. Drill 6-1/4" hole from 140' to 1290' with two surveys. Dev 1/2" @ 637' and 1197'.

10/25/90- Drlg @ 1508' (218') Drill 6-1/4" hole from 1290' to 1508'. Circ and cond, short trip to 900'. POOH, RU HLS and log well. Loggers TD 1508'. Ran IEL/SDL/DSN/GR and Coal log. RD loggers, TIH circ & cond. POOH, LD DP & DC. RU and ran 37 jts 4-1/2" 10.5# J-55 8R R-3 ST&C csg & landed @ 1494' KB. RU BJ & cmt w/130 sxs 50-50 Poz w/2% gel, 10% salt, 1/4# Cello-Seal. Tail w/95 sxs Class "B" w/1.2% FL19. Obtained full returns until the last 3 bbls of displacement, then had partial returns. Bumped plug & released press. Float held @ 9:30 pm 10/24/90. ND BOP. Jet pit. Released rig at 1:30 am on 10/25/90.

10/26/90 - 11/16/90- TD: 1508' WOCT.

11/17/90- TD: 1508' PBTD 1473'. MIRU. NU BOPE.

11/18/90- TD: 1508' PBTD: 1473' PU 3-7/8" bit and 4-1/2" csg scraper and TIH to PBTD. Circ hole clean w/2% KCL + additives. Pressure test csg and BOP to 2500 psi. Held OK.

11/19/90- TD: 1508' PBTD: 1473'. Swab well down to 700' and TOH w/tbg. Shut well in.

11/20/90- TD: 1508' PBTD: 1473'. Perfs 1368-1380'. RU HLS and ran GR/CCL log to correlate. Perf the Pictured Cliffs from 1368' to 1380' KB using a 3-1/8" csg gun w/4 JSPF, 90 deg phased and premium charges. RU BJ and fracture stimulate the Pictured Cliffs dn 4-1/2" csg at 30 BPM with 70 quality N/2 foam, 30# linear gel and 45,000# 12/20 Brady sand, max sand concentration 4 ppg. Load to recover 187 bbls. Max treating pressure 2300 psi, avg 1130 psi with an avg of 30 BPM. ISIP 921 psi, bleed back through needle valve for 5 min to induce fracture closure, 15 min 833 psi. 4 hr SICP 375 psi. Open well to frac tank on a 3/8" POS choke.

11/21/90- TD: 1508' PBTD: 1473' Perfs 1368-1380'. Well dead, TIH w/expendable check and 44 jts 2-3/8" 4.7# 8R J-55 EUE tbg. Tag sand at 1360'. Clean out w/ N/2 to PBTD. ND BOP and NU well head. Pump off expendable check. Tbg landed at 1428' KB with the SN at 1395' KB. Flow testing well on a 3/8" POS choke.

11/22/90- TD:1508' PBTD: 1473' Perfs 1368-1380'. 14 hours flow testing well on a 3/8" POS choke, FTP 100 psi, csg 209 psi. Recovered 75 bbls load fluid w/a gas rate of 300 MCFD. TBLR 75 BLTR 112.

11/23/90- TD:1508' PBTD: 1473' Perfs 1368-1380'. 24 hours flow testing well on a 3/8" POS choke, FTP 110 psi, csg 193 psi. Recovered 60 BL with a gas rate of 350 MCFD. TBLR 135 BLTR 52.

11/24/90- TD:1508' PBTD: 1473' Perfs 1368-1380'. 24 hours flow testing well on a 3/8" POS choke, FTP 100 psi, csg 180 psi. Recovered 110 BL w/a gas rate of 325 MCFD. TBLR 245 BLTR +58.

11/25/90- TD:1508' PBTD: 1473' Perfs 1368-1380'. 24 hours flow testing well on a 3/8" POS choke, FTP 110 psi, csg 200 psi. Recovered 83 BL w/a gas rate of 350 MCFD. TBLR 328 BLTR +141.

11/26/90- TD:1508' PBTD: 1473' Perfs 1368-1380'. 24 hours flow testing well on a 3/8" POS choke, FTP 110 psi, csg 185 psi. Recovered 72 BL w/a gas rate of 350 MCFD. TBLR 400 BLTR +213.

11/27/90- TD: 1508' PBTD:1473' Perfs 1368-1380' 24 hours flow testing well on a 3/8" POS choke. FTP 115 psi csg 185 psi. Recovered 80 BL w/a gas rate of 375 MCFD TBLR 480 BLTR +293.

11/28/90- TD: 1508' PBTD:1473' Perfs 1368-1380' 24 hrs flow testing well on a 3/8" Pos choke, FTP 110 psi, csg 218 psi. Rec 63 BL w/a gas rate of 370 MCFD. TBLR 543 BLTR +356

11/29/90- TD: 1508' PBTD:1473' Perfs 1368-1380' MI and set test production unit with a 2" meter run. Well SI. TBLR 543 BLTR +356

11/30/90- TD: 1508' PBTD:1473' Perfs 1368-1380' Flowing well thru test unit with a 2" meter run. Recovered 80 bbls wtr w/a gas rate of 300 MCFD. TBLR 623 BLTR +436.

12/01/90- TD: 1508' PBTD:1473' Perfs 1368-1380' Flowing well thru test unit with a 2" meter run. FTP 60 psi csg 140 psi. Recovered 140 BW & no gas rate, meter out. TBLR 763 BLTR +576.

12/03/90- TD: 1508' PBTD:1473' Perfs 1368-1380' Flowing well thru test unit with a 2" meter run .875 x 250# x 100" x 2". FTP 150 psi csg 200 psi. Rec 30 BW w/ a gas rate of 153 MCFD. TBLR 828 BLTR +641.

12/04/90- TD: 1508' PBTD:1473' Perfs 1368-1380' Flowing well thru test unit with a 2" meter run .875 x 250# x 100" x 2" FTP 90 psi csg 160 psi. Recovered 110 BW w/a gas rate of 230 MCFD. TBLR 938 BLTR +751.

12/05/90- TD: 1508' PBTD:1473' Perfs 1368-1380' Flowing well thru test unit with a 2" meter run .875 x 250# x 100" x 2" FTP 95 psi csg 158 psi. Recovered 102 BW w/a gas rate of 339 MCFD. TBLR 1040 BLTR +853.

12/06/90- TD: 1508' PBTD:1473' Perfs 1368-1380' Flowing well thru test unit with a 2" meter run .875 x 250# x 100" x 2" FTP 100 psi csg 191 psi. Recovered 120 BW w/a gas rate of 347 MCFD. TBLR 1160 BLTR +973.

12/12/90- TD: 1508' PBTD:1473' Perfs 1368-1380' Flowing well thru test unit with a 2" meter run .875 x 250# x 100" x 2". FINAL REPORT