

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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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.

5. Lease Designation and Serial No.

SF 078370

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 504

9. API Well No.

30-045-28155

10. Field and Pool, or Exploratory Area

W. Kutz Pictured Cliffs

11. County or Parish, State

San Juan, New Mexico

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)

925' FNL & 1490' FWL (NE NW)

Sec. 17, T29N-R12W

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 are attached.

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APR 1 6 1991

OIL CON. DIV.
DIST. 3

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

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

Signed Beverly Comer

Title Production Technician

Date 12/31/90

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved by

Title

APR 04 1991

Conditions of approval, if any:

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. 504
API NO. 30-045-28155

<u>DEPTH</u>	<u>DEVIATION</u>
600'	3/4°
1100'	3/4°

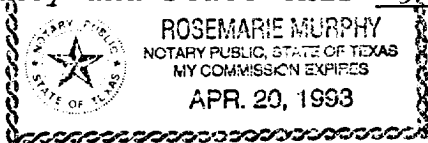
This is to certify that to the best of my knowledge the above tabulation details the deviation tests taken in the BHP PETROLEUM (AMERICAS) INC.'S Gallegos Canyon Unit No. 504 located 925' FNL and 1490' FWL of Section 17 T29N-R12W in San Juan County, New Mexico.

Beverly Comer
Beverly Comer

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

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

4/20/93
Rm

BHP PETROLEUM (AMERICAS), INC.
GALLEGOS CANYON UNIT NO. 504
SECTION 17, T29N-R12W (NE/NW)
WEST KUTZ PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

COMPLETION HISTORY

NM PROJ TD: 1700'.

9/10/90- Spud well at 11:30 AM on 9/9/90. Drill 8-3/4" hole to 145'. Circ & POOH. Run 3 jts 7" 20# K-55 ST&C and landed at 134' KB. RU Dowell and cmt w/60 sxs of Class "G" w/additives. Circ 5 bbls cmt to surf. WOC 5 hrs & NU BOPE. Test csg & blind rams to 1800 psi. Attempting to test pipe rams.

9/11/90- Depth 835'. Made 690'/24 hrs. Test pipe rams to 1,000 psi and annular to 500 psi. TIH w/6-1/4" bit and drl out cmt. Drl 6 1/4" open hole from 145' to 835' with survey 3/4" @ 600'.

9/12/90- Depth 1709'. Made 874'/24 hrs. Drill 6-1/4" hole from 835' to 1709' with survey @ 1100'. Dev 3/4". Circ & cond hole, waiting on loggers.

9/13/90- TD: 1709'. PO: Setting 4 1/2" slips. Circ & cond hole while waiting on loggers. POOH for logs, RU Atlas WL and GIH. Unable to get first log past 1434'. POOH & GIH w/bit. Tag @ 1553' & push boulder to bottom. Circ & cond. POOH GIH w/logs & log well. RD Atlas & TIH cir & cond for csg. POOH, LD DP, RU & run 40 jts 10.5# J-55 8R R3 4.5 csg & land @ 1699' KB. RU Dowell & pump 1st stage w/200 sxs 50/50 Poz w/additives & 2nd stage w/50 sxs "G" low fluid loss. Full returns, plug dn @ 6:30 am 9/13/90 & held. Circ 4 bbl cement to surface. ND BOPE to set slips.

9/14/90- TD: 1709'. PO: Set 4 1/2" slips. Release Rig @ 7:45 AM on 9/13/90. N.D. BOP 3/4 hr. WOCT.

9/15/90 - 11/07/90 WOCT.

11/08/90- TD: 1709' PBD: 1660'. RU perforator. Ran GR/CCL log to correlate. Perforate the Picture Cliffs from 1573' to 1590' with 3-1/8" hollow steel carrier gun w/premium charges 120 deg phasing and 2 JSPF. No blow after perforating. TIH w/packer and set at 1391' with tail jt at 1424'. Swag tbg down, no fluid or gas. 16 hour SITp 376 psi.

11/09/90- TD: 1709' PBD: 1660'. RU Western to breakdown. Load tbg and pumped 82 bbl 2% KCL water w/additives. Dropped 50 7/8" balls evenly spaced. Had very little ball action. Max pressure 2500 psi, avg pressure 1000 psi with a rate of 4.5 BPM. ISIP 500 psi, 5 min 300 psi. RU to swab. Swab dry in 2 runs, no gas or fluid. Release packer and swab down. POOH with packer and tbg. SDFN. 16 hour SICP 230 psi.

11/10/90- TD: 1709' PBD: 1660'. RU Western to fracture stimulate the Pictured Cliffs w/26,000 gal 70 quality foam and 30,000# 20/40 Ariz. sand down 4-1/2" csg treating pressure min 1030 psi, max 1070 psi, avg 1050 psi with an avg inj rate of 15 BPM. ISIP 1020 psi 5 min 950 psi 10 min 930 psi 15 min 900 psi. Ran R/A material SC46 in fluid throughout w/SB124 in the 1# & 1-1/2# sand and IR142 in the 2# & 2-1/2# sand. 4 hour SICP 500 psi. Open well to frac tank on a 3/8" pos choke. Total load to recover 193 bbl.

11/11/90- TD: 1709' PBTD: 1660' Perfs 1573-1590' 17 hour flowing on a 3/8" pos. choke, FTP 200 psi estimated rate 680 MCF/D. Recovered 220 bbl fluid. TBLR 230 BLTR 49

11/12/90- TD: 1709' PBTD: 1660' Perfs 1573-1590' 24 hour flowing on a 3/8" pos choke, FTP 180 psi estimated rate 612 MCF/D. Recovered 160 bbl fluid, 111 bbl overload. Blow well down and TIH. Tag sand at 1600'. RU Western and clean out to PBTD with N/2. POOH w/tbg and shut well in. TBLR 390 BLTR +111

11/13/90- TD: 1709' PBTD: 1660' Perfs 1573-1590' - 17 Hour SITP 320 psi. RU HLS and ran tracer check log from 1460' to 1626' KB. Frac in zone. RD HLS. Blew down well and TIH w/48 jts 2-3/8" 4.7#J-55 8R EUE tbg w/SN and 1 tail jt. Bottom of tbg at 1599.57' KB, 49 jts total. ND BOPE and NU well head. Release rig. TBLR 390 BLTR +111

11/14/90- TD: 1709' PBTD: 1660' Perfs 1573-1590' - Well shut in. Hooking up test unit. TBLR 390 BLTR +111

11/15/90- TD: 1709' PBTD: 1660' Perfs 1573-1590' Flowing well 15 hours through test unit with 2" meter run. FTP 125 psi & csg press 215 psi. Recovered 58 bbl load fluid with a gas rate of 370 MCF/D. TBLR 448 BLTR +169

11/16/90- TD: 1709' PBTD: 1660' Perfs 1573-1590' Flowing well 24 hours through test unit with 2" meter run. FTP 118 psi & csg press 150 psi. Recovered 80 bbl water with a gas rate of 300 MCF/D. TBLR 528 BLTR +249

11/17/90- TD: 1709' PBTD: 1660' Perfs 1573-1590' Flowing well 24 hours through test unit with 2" meter run. FTP 118 psi & csg press 200 psi. Recovered 112 bbl water with a gas rate of 280 MCF/D. TBLR 640 BLTR +361

11/18/90- TD: 1709' PBTD: 1660' Perfs 1573-1590' Flowing well 24 hours through test unit with 2" meter run. FTP 170 psi & csg press 220 psi. Recovered 57 bbl water with a gas rate of 200 MCF/D. TBLR 697 BLTR +418

11/19/90- TD: 1709' PBTD: 1660' Perfs 1573-1590' Flowing well 24 hours through test unit with 2" meter run. FTP 152 psi & csg press 215 psi. Recovered 92 bbl water with a gas rate of 230 MCF/D. TBLR 789 BLTR +510

11/20/90- TD: 1709' PBTD: 1660' Perfs 1573-1590' Flowing well 24 hours through test unit with 2" meter run. FTP 151 psi & csg press 218 psi. Recovered 51 bbl water with a gas rate of 210 MCF/D. TBLR 840 BLTR +561

11/21/90- TD: 1709' PBTD: 1660' Perfs 1573-1590' Flowing well 24 hours through test unit with 2" meter run. FTP 155 psi & csg press 211 psi. Recovered 48 bbl water with a gas rate of 200 MCF/D. TBLR 888 BLTR +609

11/22/90- TD: 1709' PBTD: 1660' Perfs 1573-1590' Flowing well 24 hours through test unit with 2" meter run. FTP 151 psi & csg press 209 psi. Recovered 45 bbl water with a gas rate of 200 MCF/D. TBLR 933 BLTR +654

11/23/90- TD: 1709' PBTD: 1660' Perfs 1573-1590' Flowing well 24 hours through test unit with 2" meter run. FTP 151 psi & csg press 210 psi. Recovered 48 bbl water with a gas rate of 200 MCF/D. TBLR 981 BLTR +702

11/24/90- TD: 1709' PBTD: 1660' Perfs 1573-1590' Flowing well 24 hours through test unit with 2" meter run. FTP 160 psi & csg press 220 psi. Recovered 30 bbl water with a gas rate of 195 MCF/D. TBLR 1011 BLTR +732. FINAL REPORT.