

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

51 FEB 14 1991 SF 078109

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.

019 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)

970' FNL & 1115' FWL (NW NW)

Sec. 21, T29N-R12W

7. If Unit or CA, Agreement Designation

Gallegos Canyon Unit

8. Well Name and No.

Gallegos Canyon Unit 508

9. API Well No.

30-045-28266

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 6 1991
OIL CON. DIV.
DIST. 3

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

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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)

Approved by

Conditions of approval, if any:

Title

ACCEPTED FOR RECORD

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

NMOGD

TABULATION OF DEVIATION SURVEYS

BHP PETROLEUM (AMERICAS) INC.
GALLEGOS CANYON UNIT NO. 508
API NO. 30-045-28266

DEPTH
800'

DEVIATION
1/2°

AFFIDAVIT

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. 508 located 970' FNL and 1115' FWL of Section 21 T29N-R12W in San Juan County, New Mexico.

Signed

Beverly Comer
Beverly Comer

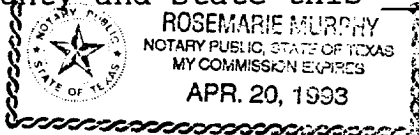
THE STATE OF TEXAS)

) 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

BHP PETROLEUM (AMERICAS), INC.
GALLEGOS CANYON UNIT NO. 508
SECTION 21, T29N-R12W (NW/NW)
W. KUTZ PICTURED CLIFFS
SAN JUAN COUNTY, NEW MEXICO

WELL COMPLETION HISTORY

Proj TD: 1700'

9/30/90- MIRU. Spud well @ 1:00 pm on 9/29/90. Drill 8-3/4" hole to 135' KB. RU & ran 3 jts 7" 23# K-55 R-3 csg and landed @ 133' KB. RU Western and cmt w/100 sxs of Class "B" w/additives. Obtained full returns and circulated 4 bbl cmt to surface. Plug dn @ 6:35 pm 9/29/90. WOC & NU BOP.

10/1/90-PO: Drlg @ 1138' (1003') Test csg & blind rams to 2000 psi, pipe rams to 1000 psi and annular to 500 psi. TIH drill out cmt and drill 6-1/4" hole from 135' to 1138'. Dev 1/2" @ 800'.

10/2/90-PO: Drlg @ 1696' (558') Drill 6-1/4" O.H. to 1696'. Circ & cond for logging. Pull short trip to 1000'. TIH. Circ btms up. POOH to log well. TIH. Circ btms up. POOH. LDDP & DC. Bit #2, 6 1/4" Varel V517 Ser No. 56745, jets 1/32 3-13 in @ 135', out @ 1696'.

10/3/90- TD: 1696'. LD DCs. Rig up and run 40 jts 4-1/2" 10.5# J-55 8RD ST&C csg 1651.46'. Set @ 1661.46'. Cmt w/200 sxs 50/50 Poz + 2% gel + 10% salt + 1/4#/sx cello seal @ 14 ppg. Tail in w/50 sx Class "B" + 1.2% CF-18, (7 centralizers). Good returns, circ 13 bbls cmt. Plug dn 11:45 10/2/90. Float held. ND BOP & clean mud tank. Rel rig 3:45 PM 10/2/90.

10/4/90 - 11/15/90- TD: 1696' WOCT.

11/16/90- TD: 1696' PBSD: 1638'. MIRU. NU BOPE. PU 3-7/8" bit and 4-1/2" csg scraper and TIH to PBSD. Circulate hole clean with 2% KCL and additives. Pressure test csg & BOP to 2500 psi. Held OK. Swab well down to 1,000' and TOH with tbq.

11/17/90- TD: 1696' PBSD 1638' Perfs 1553-1566' RU perforator and ran GR/CCL correlation log. GIH w/3 1/8" hollow steel gun and perforate the Pictured Cliffs from 1553-1566' KB at 4 JSPF with premium charges and 120 deg phasing. SDFN.

11/18/90- TD: 1696' PBSD 1638' Perfs 1553-1566' 21 hour SICP 50 psi. WO frac crew.

11/19/90- TD: 1696' PBSD 1638' Perfs 1553-1566' 45 hour SICP 60 psi. WO frac crew.

11/20/90- TD: 1696' PBSD 1638' Perfs 1553-1566'. RU BJ and fracture stimulate the Pictured Cliffs down 4-1/2" csg at 15 BPM with 70 quality N/2 foam, 20# linear gel and 36,000# 20/40 sand. Ran R/A material SC46 in fluid throughout job w/SB124 in the 1# and 2# 20/40 stages and IR 192 in the 3# 20/40 stage. Load to recover 182 bbl. Max sand concentration 3 ppg treating pressure max 2550 psi, avg 1050 psi with an avg rate of 15 BPM, ISIP 1080 psi, 5 min 990 psi, 10 min 960 psi, 15 min 950 psi, 4 hour SICP 450 psi. Open well to frac tank on 3/8" POS choke.

11/21/90- TD: 1696' PBTD 1638' Perfs 1553-1566' 18 hr FCP 180 on a 3/8" POS choke. TIH w/expendable check and tag sand at 1566' KB. RU and clean out with N/2 to PBTD: RU HLS and ran a tracer check log from 1608' to 1450' KB. TIH w/48 jts 2-3/8" 4.7# 8R J-55 EUE tbq and land at 1561' KB with SN at 1530' KB. ND BOPE and NU well head. Pump off check, flow test well on a 3/8" POS choke.

11/22/90- TD: 1696' PBTD: 1638' Perfs 1553-1566'. 16 hour flow testing well on a 3/8" POS choke. FTP 170 psi, csg 234 psi. Recovered 75 bbl load with a gas rate of 550 MCFD. TBLR 75

11/23/90- TD: 1696' PBTD: 1638' Perfs 1553-1566'. 24 hour flow testing well on a 3/8" POS choke. FTP 150 psi, csg 220 psi. Recd 50 bbls load with a gas rate of 510 MCFD.

11/24/90- TD: 1696' PBTD: 1638' Perfs 1553-1566'. 24 hour flow testing well on a 3/8" POS choke. FTP 140 psi, csg 210 psi. Recovered 54 bbls load with a gas rate of 450 MCFD.

11/25/90- TD: 1696' PBTD: 1638' Perfs 1553-1566'. 24 hour flow testing well on a 3/8" POS choke. FTP 130 psi, csg 220 psi. Recovered 47 bbls load with a gas rate of 425 MCFD.

11/26/90- TD: 1696' PBTD: 1638' Perfs 1553-1566'. 24 hour flow testing well on a 3/8" POS choke. FTP 144 psi, csg 212 psi. Recovered 43 bbls load with a gas rate of 450 MCFD. TBLR 269

11/27/90- TD: 1696' PBTD: 1638' Perfs 1553-1566'. 24 hour flow testing well on a 3/8" POS choke. FTP 130 psi, csg 208 psi. Recovered 40 bbls load with a gas rate of 425 MCFD. TBLR 309

11/28/90- TD: 1696' PBTD: 1638' Perfs 1553-1566'. 24 hour flow testing well on a 3/8" Pos choke. FTP 142 psi, csg 215 psi. Rec 20 bbls load with a gas rate of 425 MCFD. TBLR 329

11/29/90- TD: 1696' PBTD: 1638' Perfs 1553-1566'. 24 hour flow testing well on a 3/8" Pos choke. FTP 13942 psi, csg 2105 psi. Rec 34 bbls load with a gas rate of 400 MCFD. TBLR 363

11/30/90- TD: 1696' PBTD: 1638' Perfs 1553-1566'. MI and set test production with a 2" meter run. Well shut in. TBLR 363

12/01/90- TD: 1696' PBTD: 1638' Perfs 1553-1566'. Flowing well thru test unit with a 2" meter run. FTP 50 psi csg 280 psi. Rec 25 bbl water w/no gas rate. Meter out. TBLR 388

12/03/90- TD: 1696' PBTD: 1638' Perfs 1553-1566'. Flowing well thru test unit with a 2" meter run. .750 x 250# x 100" x 2". FTP 159 psi csg 220 psi. Rec 35 bbls water with a gas rate of 300 MCFD. TBLR 436

12/04/90- TD: 1696' PBTD: 1638' Perfs 1553-1566'. Flowing well thru test unit with a 2" meter run. .750 x 250# x 100" x 2". FTP 100 psi csg 190 psi. Rec 43 bbls water with a gas rate of 423 MCFD. TBLR 479

12/05/90- TD: 1696' PBTD: 1638' Perfs 1553-1566'. Flowing well thru test unit with a 2" meter run. .750 x 250# x 100" x 2". FTP 100 psi csg 183 psi. Rec 42 bbls water with a gas rate of 416 MCFD. Pull wtr & gas samples. Shut in well, waiting on pipeline. TBLR 521

FINAL REPORT.

12/04/90- TD: 6320 PBTD 6274' Perfs 6100-6140'. Well shut in waiting on completion decision. TBLR 1785 BLTR +51 Days 49 TACC: \$108,944 TAC: \$299,905