

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL AP# NO. 30-045-28052
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Gallegos Canyon Unit
8. Well No. 501
9. Pool name or Wildcat W. Kutz Pictured Cliffs
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5422' GR

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"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER
2. Name of Operator BHP Petroleum (Americas), Inc.
3. Address of Operator 5847 San Felipe, Suite 3600, Houston, TX 77057
4. Well Location Unit Letter <u>J</u> : <u>1655</u> Feet From The <u>South</u> Line and <u>2315</u> Feet From The <u>East</u> Line Section <u>13</u> Township <u>29N</u> Range <u>13W</u> NMPM <u>San Juan</u> County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5422' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <u>Completion History</u> <input checked="" type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

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

RECEIVED
MAY 21 1991
OIL CON. DIV.
DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Beverly Comer TITLE Production Technician DATE 5/16/91
TYPE OR PRINT NAME Beverly Comer TELEPHONE NO. 713/780-5000

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE MAY 21 1991
CONDITIONS OF APPROVAL, IF ANY:

TABULATION OF DEVIATION SURVEYS

BHP PETROLEUM (AMERICAS) INC.
GALLEGOS CANYON UNIT NO. 501
API NO. 30-045-28052

<u>DEPTH</u>	<u>DEVIATION</u>
1077'	3/4°
1447'	3/4°

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. 501 located 1655' FSL & 2315' FEL of Section 13, T29N-R13W in San Juan County, New Mexico.

Signed Beverly Comer
Beverly Comer

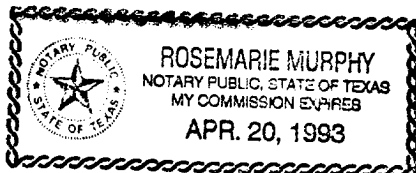
THE STATE OF TEXAS)
) SS.
COUNTY OF HARRIS)

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 10th day of April 1991.

Rosemarie Murphy
Notary Public

My Commission Expires 4/20/93



BHP PETROLEUM (AMERICAS), INC.
GALLEGOS CANYON UNIT NO. 501
SEC. 13, T29N-R13W (NE/SE)
WEST KUTZ PICTURED CLIFFS
SAN JUAN COUNTY, NEW MEXICO

WELL COMPLETION HISTORY

01/11/91- MIRU. Spud well at 5:30 pm on 1/11/91. Drill 8-3/4" hole to 140' KB. RU and ran 3 jts 7" 20# K-55 8R ST&C csg and land at 135' KB. RU Western and cement with 120 sxs Class "B" with 3% CaCl and 1/4# sx Cello seal. Obtained full returns with 5 bbl cement circulated to surface. Plug dn at 2:30 am on 1/11/91. WOC. Bit No 1 8-3/4" HTC J-22 Ser No WR 426 in at 10' out at 140'. Jets 1/32 3/12. WOB all RPM 100 psi 800 SPM 60 MW 8.4 Vis 35 DCs 14-4-3/4". Drill 6-1/4 hrs, run csg & cmt 2-1/4 hrs, WOC 4-1/2 hrs, lay dn DP 1/2 hr. DMC: \$600 DC: \$10,950

01/12/91- Depth 1077' (937') PO: POOH for bit. WOC NU BOPE test csg and blind rams to 2000 psi, pipe rams to 1500 psi and annular to 500 psi. Drill out cmt and drill 6-1/4" hole to 1077' with one survey. Trip for bit. Bit No 2 6-1/4" Varel V517 Ser No 55704 in at 140' out at 1077'. Jets 1/32 2/14 WOB all RPM 100 psi 1000 SPM 60 MW 8.4 Vis 35 DCs 14-4 3/4". Dev survey 3/4° @ 1077'. Drill 14 hrs, trip 3 hrs, lub rig 1/2 hr, WOC 1/2 hr, NU BOP/test 6 hrs. DMC: \$400 CMC: \$1,000 DC: \$11,200 TAC: \$22,150

01/13/91- Depth 1447' (370') Drill 6-1/4" hole to 1447' w/ one survey. Cond hole for logs, short trip. POH RU HLS log TD 1449'. Ran SDL/DSN/DIGL/GR/Coal logs. TIH circ and cond. POH LD DP, DC. RU and ran 35 jts 4-1/2" 10.5# J-55 8R STC csg and land @ 1437' KB. RU Western and cement w/250 sxs lead, 50/50 Poz, 2% gel, 10% salt, 1/4# sx Cello seal and tail in w/25 sxs Class "B" w/1.2% CF-18 low fluid loss. Obtained full returns w/6 bbl cement circ to surface. Bump plug, float held. Plug dn @ 2:15 am 1/13/91. ND BOPE jet pits. Release rig at 7:00 am on 1/13/91. WOCT. Bit No 3 6-1/4" Varel V517 in at 1077' out at 1447'. Jets 1/32 2/14 WOB all RPM 100 psi 1000 SPM 60 MW 8.8 Vis 30 PV/YP 6/3 WL 8.6 pH 8 FC/32 1 Solids 4 % Sand .5. Drill 5 hrs, cond & circ 1 hr, trip 2-1/2 hrs, lub rig 1/2 hr, dev survey 3/4 hr, log 3-3/4 hrs, run csg & cmt 4-1/4 hrs, lay DN DP 2-1/4 hrs, ND BOP and jet 4 hrs. Survey 3/4° @ 1447'. DMC: \$500 CMC: \$1,500 DC: \$27,750 TAC: \$49,900

01/15/91- Depth 1447' WOCT. CMC: \$1,500 TAC: \$49,900

02/20/91- TD: 1447' PBDT 1398' Perfs 1305'-1335' MIRU-PU bit & csg scraper on 2 3/8" tbg and tally in hole. Tagged PBDT @ 1398' kb. Circ. hole w/2% KCL & additives. Pressure test csg. & BOPE to 2500 psi. POOH w/tbg. Rig up electric line & ran gr/ccl logs. perforate the Pictured Cliffs from 1305' to 1335' w/3 1/8" premium charged, 90 deg. phased csg. Gun @ 4 jspf. No pressure to surface. RD electric line. All shots fired. MI set frac tank. Fill & heat. SDFN DC: \$6,800 TACC: \$6,800 TAC: \$56,700

02/21/91- TD: 1447' PBDT 1398' Perfs 1305'-1335' 0 Pressure on well. RU BJ Services. Fracture stimulate the Picture Cliffs dn 4-1/2" csg w/9115 gal 30# gel, 70 quality foam and 62,700# of 12/20 Brady sand at 30 BPM. Maximum treating pressure 1875 psi. Avg 1000 psi. Avg rate 30 BPM. Max sand concentration 4.5 ppg.

preSIP 991 psi. Bleed back to induce closure. 15 min 834 psi, load to recover 217 bbls. 4 hr SICP 358 psi. Open well to frac tank on a 3/8" pos choke. Well died in 1 hr. No fluid recovered. BLTR 217 Days 2 DC: \$22,100 TACC: \$28,900 TAC: \$78,800.

02/22/91- TD: 1447' PBTB 1398' Perfs 1305'-1335' Kill well with 2% KCL and additives. TIH w/tbg and expendable check. Tag sand at 1308'. Circ clean to PBTB. PU and land tubing w/42 jts 2-3/8" 4.7# 8RD J-55 EUE at 1365 KB w/SN at 1333 KB. ND BOPE, NU well head. Pump off expendable check. Unload well with N2. Left well on a 3/8" pos choke. Well died in 30 min. Unloaded again w/N2. Well died again. SDFN. Wait on swabbing unit. TBLR 0 BLTR 217 Days 3 DC: 4,400 TACC: \$33,300 TAC: \$83,200.

02/23/91- TD: 1447' PBTB 1398' Perfs 1305'-1335' RU swab unit and made two runs. On the 3rd run, swab stuck @ 960', could not free swab. Cut line and strip out with tubing. TIH w/tbg and land @ 1300'. SDFN. TBLR 5 BLTR 212 Days 4 DC: 2,000 TACC: \$35,300 TAC: \$85,200.

02/24/91- TD: 1447' PBTB 1398' Perfs 1305'-1335' Swab well 5 hrs and rec 45 bbls. Well kicked off flowing. Left well flowing on a 3/8" pos choke with a FTP of 180 psi. TBLR 50 BLTR 167 Days 5 DC: \$6,200 TACC: \$41,500 TAC: \$91,400

02/25/91- TD: 1447' PBTB 1398' Perfs 1305'-1335' 19 hrs flowing through a 3/8" pos choke. FTP 180 psi, FCP 278 psi, recovered 162 bbl water w/estimated gas rate of 200 MCF/D. TBLR 212 BLTR 5 Days 6 DC: \$00 TACC: \$41,500 TAC: \$91,400

02/26/91- TD: 1447' PBTB 1398' Perfs 1305'-1335' 24 hrs flowing through a 3/8" pos choke. FTP 160 psi, FCP 280 psi, recovered 160 bbl water w/estimated gas rate of 165 MCF/D. TBLR 372 BLTR +155 Days 7 DC: \$400 TACC: \$41,900 TAC: \$91,800

02/27/91- TD: 1447' PBTB 1398' Perfs 1305'-1335' 24 hrs flowing through a 3/8" pos choke. FTP 170 psi, FCP 268 psi, recovered 142 bbl water w/estimated gas rate of 175 MCF/D. TBLR 514 BLTR +297 Days 8 DC: \$00 TACC: \$41,900 TAC: \$91,800

02/28/91- TD: 1447' PBTB 1398' Perfs 1305'-1335' 24 hrs flowing through a 3/8" pos choke. FTP 215 psi, FCP 265 psi, recovered 118 bbl water w/estimated gas rate of 275 MCF/D. TBLR 632 BLTR +415 Days 9 DC: \$600 TACC: \$42,500 TAC: \$92,400

03/01/91- TD: 1447' PBTB 1398' Perfs 1305'-1335' 24 hrs flowing through a 3/8" pos choke. FTP 180 psi, FCP 262 psi, recovered 104 bbl water w/estimated gas rate of 250 MCF/D. TBLR 736 BLTR +519 Days 10 DC: \$00 TACC: \$42,500 TAC: \$92,400

03/02/91- TD: 1447' PBTB 1398' Perfs 1305'-1335' 24 hrs flowing through a 3/8" pos choke. FTP 205 psi, FCP 262 psi, recovered 80 bbl water w/estimated gas rate of 300 MCF/D. TBLR 816 BLTR +599 Days 11 DC: \$00 TACC: \$42,500 TAC: \$92,400

03/03/91- TD: 1447' PBTB 1398' Perfs 1305'-1335' 24 hrs flowing through a 3/8" pos choke. FTP 200 psi, FCP 260 psi, recovered 97 bbl water w/estimated gas rate of 300 MCF/D. TBLR 913 BLTR +696 Days 12 DC: \$00 TACC: \$42,500 TAC: \$92,400

03/04/91- TD: 1447' PBTB 1398' Perfs 1305'-1335' 24 hrs flowing through a 3/8" pos choke. FTP 200 psi, FCP 273 psi, recovered 83 bbl water w/estimated gas rate of 300 MCF/D. TBLR 996 BLTR +779 Days 13 DC: \$200 TACC: \$42,700 TAC: \$92,600

03/05/91- TD: 1447' PBTB 1398' Perfs 1305'-1335' 17 hrs flowing

through a 3/8" pos choke. FTP 200 psi, FCP 271 psi, recovered 87 bbl water w/estimated gas rate of 300 MCF/D. MIRU. Kill well with 2% KCL and additives. Cleaned out to PBTD w/N2. Land tubing. Kick well off with N2. SI. Waiting on test unit. TBLR 1083 BLTR +866 Days 14 DC: \$2,900 TACC: \$45,600 TAC: \$95,500

03/06/91- TD: 1447' PBTD: 1398' Perfs 1305'-1335' Move in. Set and hook up test unit to a 2" meter run. TBLR 1083 BLTR +866 Days 15 DC: \$300 TACC: \$45,900 TAC: \$95,800

03/07/91- TD: 1447' PBTD: 1398' Perfs 1305'-1335' 20 hrs. flowing through test unit w/2" meter run. FTP 115 psi, FCP 255 psi. Rec. 142 bbl. w/a estimated gas rate of 604 MCF/D. TBLR 1225 BLTR +1008 Days 16 DC: \$00 TACC: \$45,900 TAC: \$95,800

03/08/91- TD: 1447' PBTD: 1398' Perfs 1305'-1335' 20 hrs. flowing through test unit w/2" meter run. FTP 140 psi, FCP 270 psi. Rec. 126 bbl. w/a estimated gas rate of 677 MCF/D. TBLR 1350 BLTR +1133 Days 17 DC: \$300 TACC: \$46,200 TAC: \$96,100

03/09/91- TD: 1447' PBTD: 1398' Perfs 1305'-1335' 24 hrs. flowing through test unit w/2" meter run. FTP 140 psi, FCP 270 psi. Rec. 120 bbl. w/ estimated gas rate of 653 MCF/D. TBLR 1470 BLTR +1253 Days 18 DC: \$800 TACC: \$47,000 TAC: \$96,900

03/10/91- TD: 1447' PBTD: 1398' Perfs 1305'-1335' Shut well in. TBLR 1470 BLTR +1253 Days 19 DC: \$000 TACC: \$47,000 TAC: \$96,900

03/11/91- TD: 1447' PBTD: 1398' Perfs 1305'-1335' 24 hour SIT 207 SICP 307. TBLR 1470 BLTR +1253 Days 20 DC: \$00 TACC: \$47,000 TAC: \$96,900

03/12/91- TD: 1447' PBTD: 1398' Perfs 1305'-1335' 24 hour SIT 222 SICP 300. TBLR 1470 BLTR +1253 Days 21 DC: \$00 TACC: \$47,000 TAC: \$96,900

03/13/91- TD: 1447' PBTD: 1398' Perfs 1305'-1335' 72 hour SITP 262 SICP 297. TBLR 1470 BLTR +1253 Days 22 DC: \$00 TACC: \$47,000 TAC: \$96,900

03/14/91- TD: 1447' PBTD: 1398' Perfs 1305'-1335' 96 hour SITP 262 SICP 297. TBLR 1470 BLTR +1253 Days 23 DC: \$00 TACC: \$47,000 TAC: \$96,900

03/15/91- TD: 1447' PBTD: 1398' Perfs 1305'-1335' 120 hour SITP 262 SICP 297. TBLR 1470 BLTR +1253 Days 24 DC: \$00 TACC: \$47,000 TAC: \$96,900 DROP FROM REPORT.