

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 API NO. 30-045-28063
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-10870-15
7. Lease Name or Unit Agreement Name Gallegos Canyon Unit
8. Well No. 516
9. Pool name or Wildcat W. Kutz Pictured Cliffs

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, Texas 77057	
4. Well Location Unit Letter L : 1745 Feet From The South Line and 950 Feet From The West Line Section 7 Township 28N Range 11W NMPM San Juan County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5426' 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 checked="" type="checkbox"/>
	OTHER: Completion History <input 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 subject well has been completed. A daily summary of completion operations and deviation surveys are attached.

RECEIVED  
MAR 8 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 3/12/91  
TYPE OR PRINT NAME Beverly Comer TELEPHONE NO. (713) 780-5000

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ SUPERVISOR DISTRICT # 3 DATE MAR 18 1991  
CONDITIONS OF APPROVAL, IF ANY:

BHP PETROLEUM (AMERICAS), INC.  
GALLEGOS CANYON UNIT NO. 516  
SEC. 7, T28N-R11W (NW/SW)  
WEST KUTZ PICTURED CLIFFS  
SAN JUAN COUNTY, NEW MEXICO

RECEIVED  
MAR 18 1991  
OIL CON. DIV.  
DIST. 3

WELL COMPLETION HISTORY

12/06/90- TD: 270' MIRU SPUD WELL @ 12:00 NOON on 12/05/90. Drill 8 3/4" hole to 143' KB. RU & ran 3 jts 7" 20# K-55 R-3 st&c csg & landed @ 136' KB. RU western & cement w/125 sks class "B" w/2% CaCl, 1/4# sk cello seal. Obtained full returns with 10 bbl cement circulated to surface. Plug down @ 4:10 pm. on 12/05/90 WOC RU BOPE test csg & blind rams to 2000 psi, pipe rams to 1500 psi, annular to 500 psi. Drill out cement & drill 6 1/4" hole to 270'. Bit No. 1 SMITH Ser No. 54JT in @ 10' out @ 143. Bit No. 2 VAREL Ser No. V517 in @ 143'. WOB all, RPM 100, psi 1000, SPM 60, drill actual 6 hrs, run csg & cmt 1 hr, W.O. cement 7 hrs, N.U. BOP/Test 3 1/2 hrs, drill cement 1 1/2 hrs DMC: \$400 DC: \$12,715 TAC: \$12,715

12/07/90- TD: 825' Drill 6 1/4" hole to 825' w/one survey. Took gas kick @ 450', had to pull up to bottom of surface pipe & weight up mud system. Bit No. 1 SMITH Ser No. 54JT in @ 10' out @ 143. Bit No. 2 VAREL Ser No. V517 in @ 143'. WOB all, RPM 80, psi 1000, SPM 60, drill actual 16 1/4 hrs, Cond. & Circ. 6 hrs, Trips 1/4 hr, Lub rig 3/4 hr, Repair rig 1/2 hr, Dev Survey 1/4 hr DMC: \$2,300 DC: \$ 10,025 TAC: \$22,740

12/08/90- TD: 1300' Drill 6 1/4" hole to 1300' w/one survey. Change out power swivel & mix mud to kill flow. Drilling & working on No. 1 mud pump. Bit No. 1 SMITH Ser No. 54JT in @ 10' out @ 143. Bit No. 2 VAREL Ser No. V517 in @ 143'. WOB all, RPM 100, psi 1000, SPM 60, MW 10.8, Vis 57, PV/YP 15/10, Gels 3/15, WL 6, Ph 9, FC/32 2, Solids 5, % Sand 1, Drill actual 16 hrs, Con & circ. 5 hrs, Lub rig 1/2 hr, Repair rig 2 hrs, Dev survey 1/2 hr. DMC: \$700 DC: \$ 6,510 TAC: \$29,250

12/09/90- TD: 1425' Drill 6 1/4" hole to 1425' POOH lost 2 cones from bit. TIH w/a finger junk basket. POOH recovered fish, LD tools. TIH w/bit reaming 20' to bottom & No. 1 pump failed. Bit No. 2 VAREL Ser No. V517 in @ 143' out @ 1425'. Bit No. 3 SMITH Ser No. FOT in @ 1425'. WOB all, RPM 80, psi 1000, SPM 60, MW 11.2, Vis 60, PV/YP 16/11, Gels 3/14, WL 8, Ph 9, FC/32 2, Solids 5, % Sand 1, Drill actual 3 1/4 hrs, Con & circ. 5 1/4 hrs, Trips 13 hrs, Lub rig 1/2 hr, Fishing 1 hr. DMC: \$2,500 DC: \$7,300 TAC: \$36,550

12/10/90- TD: 1520' Repair No. 1 pump ream 20' to bottom & drill to 1520'. Circulate & cond. mud, short trip to dc. POH RU Schlumberger GIH log TD 1517'. Bit No. 2 VAREL Ser No. V517 in @ 143' out @ 1425'. Bit No. 3 SMITH Ser No. FOT in @ 1425' out @ 1520'. WOB all, RPM 60, psi 1000, SPM 60, MW 11.6, Vis 45, PV/YP 16/10, Gels 3/11, WL 6, Ph 9, FC/32 3, Solids 8, % Sand 1/2%. Drill actual 2 1/2 hrs, Reaming 1 1/4 hr, Con & circ. 2 1/2 hrs, Trips 2 1/2 hrs, Lub rig 1/2 hr, Repair rig 12 3/4 hrs, W. L. logs & dst. 2 hrs, DMC: \$1,400 DC: \$4,800 TAC: \$41,350

12/11/90- TD: 1520' Ran FDC/CNL/GR/DIL/GR/Coal log in two runs, X over malfunction. TIH and cond mud. RU & ran 37 jts 4-1/2" 10.5# 8R J-55 ST&C csg and landed at 1515' KB. RU Western and cmtd w/350 sxs lead 50/50 poz, 2% gel, 10% salt, 1/4# sx cello seal and tail w/50 sxs Class "B", 1.2% CF18. Obtained full to partial returns w/12 bbl cmt circ to surface. Bumped plug and float held. Plug dn at 9:00 pm on 12/10/90. ND BOPE and jet pits. RR at 1:00 AM on 12/11/90. WOCT. MW 10.9 Vis 50 PV/YP 15/10 Gels 3/10 WL 6 pH 10 FC/32 2 Solids 8 % Sand 1/2. Cond & circ 2-3/4 hrs, rep rig 1/2 hr, WL logs 3-1/2 hrs, run csg & cmt 4-1/2 hrs, lay dn DP 2-3/4 hrs, ND BOP & jet 4 hrs. DMC: \$1200 CMC: \$8,500 DC: \$28,895 TAC: \$70,245

12/12/90-12/27/90- TD: 1520' DMC: \$1200 CMC: \$8,500 DC: \$28,895 TAC: \$70,245 WOCT.

12/28/90- TD: 1520' DMC: \$1200 CMC: \$8,500 DC: \$28,895 TAC: \$70,245 WOCT.

12/29/90- TD: 1520' DMC: \$1200 CMC: \$8,500 DC: \$28,895 TAC: \$70,245 WOCT.

12/30/90- TD: 1520' DMC: \$1200 CMC: \$8,500 DC: \$28,895 TAC: \$70,245 WOCT.

01/24/91- TD: 1520' PBD: 1477' Pictured Cliffs Perfs 1388-1406' MIRU NU BOPE PU 3-7/8" bit, 4-1/2" csg scraper on 2-3/8" tbg and tally in hole. Found PBD at 1477' KB. Circ hole clean with 2% KCL and additives. Pressure test csg and BOPE to 2500 psi. POH lay dn tbg RU Electric Line and ran Gr/CCL log. Perforate the Pictured Cliffs from 1388' to 1406' with 3-1/8" 90° phased premium charged csg gun at 4 JSPF. All shots fired, no pressure to surface. DC: \$5,300 TACC: \$5,300 TAC: \$75,545

01/24/91- TD: 1520' PBD: 1477' Pictured Cliffs Perfs 1388-1406' 19 hour SICP 103 psi. RU BJ and fracture stimulate the Pictured Cliffs dn 4-1/2" csg with 9,950 gal 30# Linear gel, 70 quality foam and 86,100# 20/40 Brady sand at 30 BPM. Max pressure 1513 psi, avg 1400 psi, avg rate 29 BPM max sand conc. 6 ppg ISIP 1088 psi. Bled back for closure 15 min 1048 psi 5 hr SICP 700 psi. Open well to tank on a 3/8" pos choke. Shut well in after flowing 4 hours. Flow back line cut out. Load to recover 237 bbls. TBLR 10 BLTR 227 Days 2 DC: \$27,700 TACC: \$33,000 TAC: \$103,245

01/25/91- TD: 1520' PBD: 1477' Pictured Cliffs Perfs 1388-1406' Replace flow back line and turn well on flowing through a 3/8" pos choke. TBLR 10 BLTR 227 Days 3 DC: \$600 TACC: \$33,600 TAC: \$103,845

01/26/91- TD: 1520' PBD 1477' Perfs 1388-1406' 20 hours flowing through a 3/8" pos choke. FCP 360 psi. Recovered 100 bbl load with an est gas rate of 1,000 MCF/D. TBLR 110 BLTR 127 Days 4 DC: \$300 TACC: \$33,900 TAC: \$104,145

01/27/91- TD: 1520' PBD 1477' Perfs 1388-1406' 24 hours flowing through a 3/8" pos choke. FCP 365 psi. Recovered 110 bbl load with an est gas rate of 1,000 MCF/D. TBLR 220 BLTR 17 Days 5 DC: \$300 TACC: \$34,200 TAC: \$104,445

01/28/91- TD: 1520' PBD 1477' Perfs 1388-1406' 24 hours flowing through a 3/8" pos choke. FCP 350 psi. Recovered 050 bbl load with an est gas rate of 1,000 MCF/D. TBLR 270 BLTR +33 Days 6 DC: \$1,700 TACC: \$35,900 TAC: \$106,145

01/29/91- TD: 1520' PBTD 1477' Perfs 1388-1406' Flow well at a low rate and sanded off perfs. Bled down and TIH with expendable check and tbg. Tag sand at 1282'. RU and clean out with N/2 to PBTD. Pull up and land tbg with 44 jts 2-3/8" 4.7# 8R J-55 EUE at 1434' KB and SN at 1402' KB. Kill well with 2% KCL water. ND BOPE and NU well head. Pump off check and unload well with N/2. Shut well in. WO test unit. TBLR 300 BLTR +13 Days 7 DC: \$8,600 TACC: \$44,500 TAC: \$114,745

01/30/91- TD: 1520' PBTD 1477' Perfs 1388-1406' Shut well in. Waiting on test unit. TBLR 300 BLTR +13 Days 8 DC: \$0 TACC: \$44,500 TAC: \$114,745

01/31/91- TD: 1520' PBTD 1477' Perfs 1388-1406' MI & set test unit. SITP 490 psi - sicp 330 psi. 19 hrs flowing through test unit on a 16/64 choke. FTP 310 psi, FCP 420 psi recovered 125 bbl water w/a gas rate of 1375 mcf/d. TBLR 425 BLTR +138 Days 9 DC: \$1,500 TACC: \$46,000 TAC: \$116,245

02/1/91- TD: 1520' PBTD 1477' Perfs 1388-1406' 19 hrs flowing through test unit on a 20/64 choke. FTP 285 psi, FCP 394 psi recovered 65 bbl water w/a gas rate of 1024 mcf/d. Had to shut well in due to the choke body cut out inside the test unit. WO exchange test unit. Well is flowing back a tremendous amount of sand. TBLR 490 BLTR +203 Days 10 DC: \$500 TACC: \$46,500 TAC: \$116,745

02/2/91- TD: 1520' PBTD 1477' Perfs 1388-1406' Change out test units & install choke @ well head. 16 hrs flowing through test unit on a 20/64 choke. FTP 315 psi, FCP 400 psi. Recovered 48 bbl water w/a gas rate of 716 MCF/D had to change out well head choke after 8 hrs flowing, stem cut out. TBLR 538 BLTR +251 Days 11 DC: \$500 TACC: \$47,000 TAC: \$117,245

02/3/91- TD: 1520' PBTD 1477' Perfs 1388-1406' 23 hrs flowing through test unit on a 22/64 choke. FTP 308 psi, FCP 390 psi. Recovered 65 bbl water w/a gas rate of 681 MCF/D well head choke cut in 15 hrs, replace stem. TBLR 603 BLTR +316 Days 12 DC: \$500 TACC: \$47,500 TAC: \$117,745

02/4/91- TD: 1520' PBTD 1477' Perfs 1388-1406' 24 hrs flowing through test unit on a 16/64 choke. FTP 310 psi, FCP 380 psi. Recovered 53 bbl water w/a gas rate of 643 MCF/D well is cleaning up, choke lasted 24 hrs. TBLR 656 BLTR +369 Days 13 DC: \$500 TACC: \$48,000 TAC: \$118,245

02/05/91- TD: 1520' PBTD 1477' Perfs 1388-1406' 24 hrs flowing through test unit on a 16/64 choke. FTP 310 psi, FCP 380 psi. Recovered 52 bbl water w/a gas rate of 543 MCF/D choke stem cut out, replace same. TBLR 708 BLTR +421 Days 14 DC: \$500 TACC: \$48,500 TAC: \$118,745

02/06/91- TD: 1520' PBTD 1477' Perfs 1388-1406' 24 hrs flowing through test unit on a 17/64 choke. FTP 320 psi, FCP 380 psi. Recovered 81 bbl water w/a gas rate of 603 MCF/D choke stem cut out, replace same. TBLR 789 BLTR +502 Days 15 DC: \$500 TACC: \$49,000 TAC: \$119,245

**02/08/91-** TD: 1520' PBTD 1477' Perfs 1388-1406' 24 hrs flowing through test unit on a 17/64 choke. FTP 310 psi, FCP 380 psi. Recovered 80 bbl water w/a gas rate of 605 MCF/D choke stem cut out, replace same. Pull water and gas samples. Shut well in, **waiting on pipeline connection.** TBLR 959 BLTR +672 Days 17 DC: \$3000 TACC: \$52,500 TAC: \$122,745  
Waiting on pipeline connection. TBLR 959 BLTR +672 Days 18 DC: \$000 TACC: \$52,500 TAC: \$122,745

**02/10/91-** TD: 1520' PBTD 1477' Perfs 1388-1406'. Well shut in, **waiting on pipeline connection.** 48 hour SITP 430 psi, SICP 460 psi. TBLR 959 BLTR +672 Days 19 TAC: \$122,745

**02/11/91-** TD: 1520' PBTD 1477' Perfs 1388'-1406' Well shut in, waiting on pipeline connection. 72 hour SITP 445 psi, SICP 465 psi. TBLR 959 BLTR +672 Days 20

**02/12/91-** TD: 1520' PBTD 1477' Perfs 1388'-1406' Well shut in, waiting on pipeline connection. 96 hour SITP 465 psi, SICP 470 psi. TBLR 959 BLTR +672 Days 21 DC: \$0 TACC: \$52,500 TAC: \$122,745

**02/13/91-** TD: 1520' PBTD 1477' Perfs 1388'-1406' Well shut in, waiting on pipeline connection. 120 hour SITP 470 psi, SICP 480 psi. TBLR 959 BLTR +672 Days 22 DC: \$0 TACC: \$52,500 TAC: \$122,745

**02/14/91-** TD: 1520' PBTD 1477' Perfs 1388'-1406' Well shut in, **waiting on pipeline connection.** 144 hour SITP 470 psi, SICP 480 psi. TBLR 959 BLTR +672 Days 23 DC: \$0 TACC: \$52,500 TAC: \$122,745

**02/15/91-** TD: 1520' PBTD 1477' Perfs 1388'-1406' Well shut in, **waiting on pipeline connection.** 684 hour SICP 480 psi, RU to run BHP. TBLR 959 BLTR +672 Days 24 DC: \$0 TACC: \$52,500 TAC: \$122,745

**02/16/91-** TD: 1520' PBTD 1477' Perfs 1388'-1406' RU slickline. GIH w/tbg end locator. Found PBTD at 1437' KB, 3' below end of tbg. Ran BHP. No fluid in hole. Pressure at 1397' KB was 485 psi. **FINAL REPORT. WAITING ON PIPELINE CONNECTION.** TBLR 959 BLTR +672 Days 25 DC: \$1,000 TACC: \$53,500 TAC: \$123,745