

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. 30-045-28067
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-9145

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	7. Lease Name or Unit Agreement Name Gallegos Canyon Unit
2. Name of Operator BHP Petroleum (Americas) Inc.	8. Well No. 506
3. Address of Operator 5847 San Felipe, Suite 3600, Houston, Texas 77057	9. Pool name or Wildcat W. Kutz Pictured Cliffs
4. Well Location Unit Letter <u>L</u> : <u>1465</u> Feet From The <u>South</u> Line and <u>1095</u> Feet From The <u>West</u> Line Section <u>16</u> Township <u>29N</u> Range <u>12W</u> NMPM San Juan County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5593 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 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 subject well has been completed. A daily summary of completion operations and deviation surveys are attached.

RECEIVED
APR 08 1991
OIL CON. DIV.
DIST. 3

RECEIVED
MAR 27 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 Tech DATE: March 18, 1991
TYPE OR PRINT NAME: Beverly Comer TELEPHONE NO.: (713) 780-5000

(This space for State Use)

APPROVED BY: Original Signed by FRANK I. CHAVEZ SUPERVISOR DISTRICT # 3 DATE: APR 08 1991
CONDITIONS OF APPROVAL, IF ANY:

BHP PETROLEUM (AMERICAS), INC.
GALLEGOS CANYON UNIT NO. 506
SEC. 16, T29N-R12W (NW/SW)
WEST KUTZ PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

WELL COMPLETION HISTORY

11/16/90- Depth 1532' (736') Drill 6-1/4" hole to 1532' with one survey. Change out mud pumps. Dev 1/2° @1230'. Bit No. 2 6-1/4" Varel V517 Ser #55696 in @ 148'. Jets 1/32 2-14. WOB all, RPM 80, psi 600, SPM 60, MW 8.4, Vis 28, MW 8.4, PV/YP 5/2, Gels 0/1, WL 15, pH 8.0, Solids 3.5, tr sand. DCs 14-4-3/4". Drill 14-1/4 hrs, lub rig 1/2 hr, rep rig 9 hr, dev survey 1/4 hr. DMC: \$400 CMC: \$900 DC: \$8,292 TAC: \$26,160

11/17/90- Depth 1745' (213') Drill 6-1/4" hole to 1745'. Circ. & Cond. for logs short trip to collars. POOH to 530, & spot heavy pill of 12.5 ppg mud to surface. POOH & RU HLS. GIH w/logging tools & set down @ 808'. TIH w/drill pipe, did not touch anything. Circ. & Cond. POH to collars & spot pill. POH & GIH w/ logging tools & set dn @ 816'. TIH w/DP no problems. Circ & cond. Raise wt to 13 ppg & vis to 80. POH, GIH w/logs & tools stopped at 816'. Dev 1/2° @1230'. Bit No. 2 6-1/4" Varel V517 Ser #55696 in @ 148'out @ 1745'. Jets 1/32 2-14. WOB all, RPM 80, psi 600, SPM 60, Vis 28, MW 13.0, vis 80, PV/YP 12/5, Gels 15/8, WL 5.0, pH 9.5, Solids 5, tr sand, FC/32 2. DCs 14-4 3/4". Drill 4-3/4 hrs, cond & circ 7 hrs, trips 8 3/4 hrs, lub rig 1/2 hr, WL logs 3 hrs. DMC: \$1500 CMC: \$2400 DC: \$7,642 TAC: \$33,802

11/18/90- TD: 1745' POH w/tools. TIH & wash fm 730 to 1000'. POH break dn stacked tools & ran DIL/SP/GR logs. Log TD 1745'. GIH w/SDL/DSN/Coal, tools stopped @ 803'. POH TIH w/DP to 1000' & cond. POH & change pad on density tool. GIH & ran SDL/DSN/COAL logs. TIH w/DP & cond for csg. POH LD DP & DCs. PU ran 42 jts. 4 1/2" 10.5# J-55 8R ST&C csg. & land @ 1733' KB. RU & cmt w/285 sx lead 50/50 poz, 2% gel, 10% salt, 1/4#sx Cel Seal & 30 sx tail Class "B" 1.2% CF low fluid loss obtained full ret w/2 bbl to surf. Bump plug & float held. Dn @ 12:30 am 11/18/90. ND & jet pit. Release rig @ 4:30am 11/18/90. Dev 1/2° @ 1230'. MW 13.0, vis 80, PV/YP 12/5, Gels 15/8, WL 5.0, pH 9.5, FC/32 2, Solids 5, tr sand. DCs 14-4-3/4". Cond & Circ. 3/4 hr, trips 4 hrs, W.L. Logs 7 hrs. run csg & cmt 3 1/2 hrs, Lay DN DP 2-1/4 hrs, ND BOP and jet 4 hrs. DMC: \$3800 CMC: \$6200 DC: \$33,776 TAC: \$67,578 WOCT.

12/28/90- TD: 1745' MIRU PU 3 7/8' bit & 4 1/2" csg. Scraper on 2 3/8" tbg & tally in hole. Tag cement @ 1625" KB. RU swivel. DC: \$2,600 TAC: \$2,600 TAC: \$70,178 WOCT.

12/29/90- TD: 1745' PBTB 1706' Drill out cement from 1625' to 1699' KB. RD power swivel & circ hole clean w/2% KCL & additives. RU perforators & ran GR/CCL log. Perforate the Pictured Cliffs from 1576' to 1604' w/ 3 1/8" premium charged 90 deg. phased csg gun @ 4 JSPF. All shots fired, no pressure to surface. RD perforators. SDFN. DC: \$4,700 TACC: \$7,300 TAC: \$74,878

12/30/90- TD:1745' PBTD: 1706' WO frac crew. DC: \$300 TACC: \$7,600 TAC: \$75,178
12/31/90- TD:1745' PBTD: 1706' Heat frac water. DC: \$800 TACC: \$8,400 TAC: \$75,978
01/01/91- TD: 1745' PBTD: 1706' No pressure on csg. RU BJ and fracture stimulate the Pictured Cliffs dn 4-1/2" csg with 8904 gal 30# linear gel, 70 quality foam and 62,580# 20/40 mesh brady sand at 25 BPM. Inj R/A material SC46 in fluid and IR192 in proppant. Max press 1400 psi, avg 1100 psi, avg rate 25 BPM. Max sand cond 5 ppg. ISIP 1180 . Bled back for closure. 15 min 992 psi. 4 hr SICP 760 psi. Open well to frac tank on 3/8" pos choke. TBLR 0 BLTR 212 Days 5 DC: \$26,800 TACC: \$35,200 TAC: \$102,778
01/02/91- TD: 1745' PBTD: 1706' Perfs 1576-1604'. 14 hour flowing on a 3/8" pos choke. FCP 312 psi. Recovered 84 bbl load with an est gas rate of 500 MCF/D. TBLR 84 BLTR 128 Days 6 DC: \$800 TACC: \$36,000 TAC: \$103,578
01/03/91- TD: 1745' PBTD: 1706' Perfs 1576-1604'. 24 hour flowing on a 3/8" pos choke. FCP 280 psi. Recovered 43 bbl load with an est gas rate of 400 MCF/D. TBLR 127 BLTR 85 Days 7 DC: \$300 TACC: \$36,300 TAC: \$103,878
01/04/91- TD: 1745' PBTD: 1706' Perfs 1576-1604'. 24 hour flowing on a 3/8" pos choke. FCP 270 psi. Recovered 40 bbl load with an est gas rate of 380 MCF/D. MIRU and kill well with 25 bbl 2% KCL & additives and TIH w/tbg. Tag sand at 1582'. Circulate and clean out to PBTD. POH RU HLS and ran a tracer check log from 1694' to 1500'. TIH with 51 jts 2-3/8" 4.7# J-55 8R EUE tbg and land at 1605' KB with S.N. at 1572' KB. ND BOPE NU Well head. RU and swab back 10 bbl and well kicked off flowing. Left well flowing on a 3/8" pos choke. TBLR 177 BLTR 60 Days 8 DC: \$10,300 TACC: \$46,600 TAC: \$114,178
01/05/91- TD: 1745' PBTD: 1706' Perfs 1576-1604' Well dead. Swab back 12 bbl and well kicked off flowing. Flow well on a 3/8" pos choke for 3 hours and set test separator. Flowing well through test separator. TBLR 197 BLTR 40 Days 9 DC: \$1,800 TACC: \$48,400 TAC: \$115,978
01/06/91- TD: 1745: PBTD: 1706' Perfs 1576-1604'. 21 hours flowing well through test separator with a 2" meter run. FTP 155 psi, csg 300 psi. Recovered 25 bbl load w/ a gas rate of 1314 MCF/D. TBLR 222 BLTR 15 Days 10 DC: \$0 TACC: \$48,400 TAC: \$115,978
01/07/91- TD: 1745: PBTD: 1706' Perfs 1576-1604'. 21 hours flowing well through test separator with a 2" meter run. FTP 145 psi, csg 270 psi. Recovered 33 bbl load w/ a gas rate of 1290 MCF/D. TBLR 255 BLTR +18 Days 11 DC: \$0 TACC: \$48,400 TAC: \$115,978
01/08/91- TD: 1745: PBTD: 1706' Perfs 1576-1604'. 24 hours flowing well through test separator with a 2" meter run. FTP 160 psi, csg 262 psi. Recovered 34 bbl load w/ a gas rate of 1213 MCF/D. TBLR 289 BLTR +52 Days 12 DC: \$0 TACC: \$48,400 TAC: \$115,978
01/09/91- TD: 1745: PBTD: 1706' Perfs 1576-1604'. 24 hours flowing well through test separator with a 2" meter run. FTP 165 psi, csg 262 psi. Recovered 27 bbl load w/ a gas rate of 1138 MCF/D. TBLR 316 BLTR +79 Days 13 DC: \$800 TACC: \$49,200 TAC: \$116,778
01/10/91- TD: 1745: PBTD: 1706' Perfs 1576-1604'. 24 hours SITP 340 psi, SICP 360 psi. TBLR 316 BLTR +79 Days 14 DC: \$0 TACC: \$49,200 TAC: \$116,778 **FINAL REPORT.**