

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. 30-045-28065
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. 515
9. Pool name or Wildcat W. Kutz Pictured Cliffs
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5360' 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, Texas 77057
4. Well Location Unit Letter <u>H</u> : <u>1965</u> Feet From The <u>North</u> Line and <u>700</u> Feet From The <u>East</u> Line Section <u>35</u> Township <u>29N</u> Range <u>12W</u> NMPM <u>San Juan</u> County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5360' 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 daily history of the completion operations and deviation survey information performed at the subject well 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 3/20/91
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 APR 08 1991
CONDITIONS OF APPROVAL, IF ANY:

BHP PETROLEUM (AMERICAS), INC.
GALLEGOS CANYON UNIT NO. 515
SEC. 35, T29N-R12W (SE/NE)
WEST KUTZ PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

WELL COMPLETION HISTORY

MIRU Spud well at 1:30 PM on 10/16/90. Drill 8-3/4" hole to 134' KB. Circulate and condition hole. POOH. RU ran 3 jts 7" 23# J-55 8R R-3 ST&C and landed at 131' KB. RU Western and cement with 125 sxs Class "B" with 2% CaCl & 1/4# sx cello seal. Ran only one centralizer due to boulders. Obtained full returns with 5 bbl cement circulated to surface. Plug dn at 11:30 pm on 10/16/90. WOC and NUBOPE. Bit No. 1 8-3/4" Varel V527 RR in @ 10', out @ 134'. Jets 1/32 3-13. WOB all 80 RPM, psi 400, SPM 60. MW 8.0, Vis 60. 14-4 3/4 DCs. Drilling 7-1/2 hrs, cond & circ 1/2 hr, trip 1/2 hr, run csg & cmt, 1-1/2 hrs, WOC 5 hrs, NU BOP/Test 2-1/2 hrs. DMC: \$600 CMC: \$600 DC: \$12,250 TAC: \$12,250

10/18/90- Drilling 520' (386') Test blind rams and csg to 2,000 psi, pipe rams to 1,000 psi and annular to 500 psi. Drill out cement and drill 6-1/4" hole from 143' to 520'. Had water flow in the Ojo Alamo at 175'. Raised mud weight to 12.2 PPG. Bit No. 18-3/4" Varel V527 RR Jets 1/32 3-13 in @ 10', out @ 134'. Bit NO. 2 6-1/4" Varel V517 Ser No 28069 in @ 134'. WOB all RPM 80, psi 1000, SPM 60, MW 10.9, Vis 38, PV/YP 14/11, pH 11, solids 11.6, % sand 1.5. 14-4 3/4 DCs. Drilling 17 hrs, cond & circ 3 hr, lub rig 1/4 hr, drill cmt, 2-1/2 hrs, NU BOP/Test 1-1/2 hrs. DMC: \$858 CMC: \$1,458 DC: \$5,475 TAC: \$17,725

10/19/90- Drilling 998' (478') Drill 6-1/4" hole from 520' to 998', with survey and trip for Bit #3. Lost pump pressure with Bit #3. POOH and check for wash out. Bit No. 2 6-1/4" Varel V517 RR Jets 1/32 3-13 in @ 134', out @ 810'. Bit No. 3 Smith DTJ Ser #F2D47 6-1/4" in @ 810'. WOB all, RPM 90, psi 1200, SPM 63. MW 10.9, Vis 37, PV/YP 10/8, pH 8.5, solids 17.9, % sand 1, WL 12.6 gels 3/17. 14-4 3/4 DCs. Drilling 19 hrs, cond & circ 1/4 hr, trip 4-3/4 hrs, DMC: \$2,078 CMC: \$3,536 DC: \$7,685 TAC: \$24,793

10/20/90- Drill 6-1/4" hole from 998' to 1485'. Trip for Bit #4. Survey @ 1449'. 1/2° @ 610', 1/2° @ 1449'. Circulate and condition for logs. Bit No. 3 Smith DTJ Ser #F2D47 6-1/4" in @ 810', out @ 1353'. Bit No. 4 6-1/4" Smith RR in @ 1353', out @ 1485'. WOB all, RPM 90 & 80, psi 1200, SPM 63 & 60, MW 12 & 12.8 @ 6 AM, Vis 35 @ 1 PM, 55 @ 6 AM, PV/YP 9/8, pH 9.5, solids 26.4, % sand 1, WL 4.0, gels 1/19. 14-4 3/4 DCs. Drilling 17 1/2 hrs, cond & circ 2 hr, trip 4 hrs, lub rig 1/2 hr. DMC: \$2,125 CMC: \$5,661 DC: \$7,475 TAC: \$32,268

10/21/90- TD 1485'. Day 4. Circulate and condition for logs. POOH to 427'. Mix Pill & POOH. RU HLS and log well. Loggers TD 1488'. Ran FDC/CNL/GR/DIL/HRL & Coal logs. RD loggers and TIH. Circulate and condition for csg. POOH, LD DP & DC. RU & Ran 36 jts 4-1/2" 10.5# J-55 8R ST&C csg & landed at 1481' KB. RU Western, cemented w/185 sxs 50/50 Poz + 2% gel + 10% salt + 1/4#/sx Cello Seal w/4 ppg. Tail in w/50 sxs Class "B" + 1.2% CF-18 w/15.6 ppg. Obtained full returns w/12 bbl cement circ to surface.

Bumped plug w/1500 psi, released press & float held. Plug dn @ 8:30 pm on 10/20/90. ND BOPE and released rig @ 12:30 AM on 10/21/90. MW 12.8, Vis 65, PV/YP 22/18, Gels 16/39, WL 7, pH 10.5, FC/32 2, Solids 6, % Sand 1. Cond & circ 3 hrs, trips 3 hrs, WL logs 2-1/2 hrs, run csg & cmt 3-1/4 hrs, lay dn DP 1-3/4 hrs, ND BOP & jet 4 hrs. DMC: \$400 CMC: \$6,061 DC: \$23,951 TAC: \$56,219

WOCT.

12/12/90- TD: 1485' PBTD: 1452' Perfs 1346-1385' . MIRU NU BOPE PU 3-7/8" bit, 4-1/2" csg scraper on 2-3/8" tbq and TIH. Tag PBTD 1452' KB. Circulate hole with 2% KCL and additives. Pressure test csg and BOPE to 2500 psi. OK. RU and ran GR/CCL Correlation log, POH. GIH and perf the Pictured Cliffs from 1346' to 1385' with a 3-1/8" 90 deg phased, premium charged csg gun at 4 JSPF. All shots fired with 190 psi to surface. RD, SDFN. DC: \$7,800 TACC: \$7,800 TAC: \$64,019

12/13/90- TD: 1485' PBTD: 1452' Perfs 1346-1385' . Ru Western and fracture stimulate the Pictured Cliffs dn 4-1/2" csg with 87,800 gal 30# Borate gel and 155,700# 12/20 Brady sand at 39 BPM. Min treating press 840 psi, max 2250 psi, avg 956 psi. avg inj rate 39 BPM, max sand conc. 6 ppg inj R/A material SC46 in fluid and IR 192 in the proppant. ISIP 620 psi. Bled back and close fracture 15 min press 510 psi, left well shut in for gell break. Load to recover 2091 BBL. Days 2 DC: \$46,400 TACC: \$54,200 TAC: \$110,419

12/14/90- TD: 1485' PBTD: 1452' Perfs 1346-1385' . 16 hour SICP 0 psi. MIRU PU expendable check on 2-3/8" tbq and TIH . Tag 200' above top perf. RU and circ down with 2% KCL and additives. Lost circ at 1355' PU above pers and shut well in. Waiting on N/2 for clean out. BLTR 2091 Days 3 DC: \$2,400 TACC: \$56,600 TAC: \$112,819

12/15/90- TD: 1485' PBTD: 1452' Perfs 1346-1385'. W/O N/2 crew. BLTR 2091 Days 4 DC: \$300 TACC: \$56,900 TAC: \$113,119

12/16/90- TD: 1485' PBTD: 1452' Perfs 1346-1385'. RU BJ and TIH. Tag sand at 1190' KB. Clean out with N/2 to PBTD. POH with tbq. Shut in waiting on R/A logging tools. BLTR 2091 Days 5 DC: \$3,200 TACC: \$60,100 TAC: \$116,319

12/17/90- TD: 1485' PBTD: 1452' Perfs 1346-1385'. RU HLS at 3:00 pm. Ran tracer chek log from 1396' to 1250' KB. Had 54' sand fill with well shut in. SDFN. BLTR 2091 Days 6 DC: \$4,000 TACC: \$64,100 TAC: \$120,319

12/18/90- TD: 1485' PBTD: 1452' Perfs 1346-1385'. 0 Pressure on well. GIH w/sand pump & clean out 1410'. TIH w/tbg & tag fill @ 1395' KB Ru to reverse circulate & clean, well would not circulate. RU to swab. Swab back 20 bbl load. SDFN. TBLR 20 BLTR 2071 Days 7 DC: \$1,900 TACC: \$66,0100 TAC: \$1220,219

12/19/90- TD: 1485' PBTD: 1452' Perfs 1346-1385'. 0 Pressure on well. RU and swab well 10hrs & recovered 120 bbl csg pressure increased from 0 to 300 psi. SDFN. TBLR 140 BLTR 1951 Days 8 DC: \$1,600 TACC: \$67,600 TAC: \$123,819

12/20/90- TD: 1485' PBTD: 1452' Perfs 1346-1385'. Tbg pressure 0 psi, csg pressure 400 psi. Kill well w/50 kcl water & additives. ND BOPE NU well head. RU to swab. Swab back 50 bbl w/ tbq gassing & csg pressure increasing to 150 psi. Swab stuck @ 500'. SDFN. TBLR 190 BLTR 1951 Days 9 DC: \$1,600 TACC: \$67,600 TAC: \$123,819

12/21/90- TD: 1485' PBTD: 1452' Perfs 1346-1385'. Could not pump

swab out, pull apart swab line. Left 100' in hole. Kill well w/70 bbl 2% KCL water. ND head, NU BOPE. POOH to fish, LD Fish. TIH & clean out sand to 1410'. Land tbg. @ 1355'. ND BOPE Nu well head. RU to swab. Swab back 50 bbl & kicked off flowing. FTP 100 psi on a 3/8" pos choke. Well flowed 1 hr & died. TBLR 240 BLTR 1971 Days 10 DC: \$1,800 TACC: \$71,000 TAC: \$127,219

12/22/90- TD: 1485' PBDT: 1452' Perfs 1346-1385'. W/O swab unit. Could not move in due to weather conditions. TBLR 240 BLTR 1971 Days 11 DC: \$8,000 TACC: \$79,000 TAC: \$135,219

12/23/90- TD: 1485' PBDT: 1452' Perfs 1346-1385'. MIRU swab back 12 bbl & well kicked off flowing. FTP 200 psi. TBLR 252 BLTR 1959 Days 12 DC: \$0 TACC: \$79,000 TAC: \$135,219

12/24/90- TD: 1485' PBDT: 1452' Perfs 1346-1385'. 20 hrs flowing well through test separator w/a 2" meter run. FTP 250 psi, csg 470 psi. Recovered 480 bbl load w/a gas rate of 470 MCF/D. TBLR 732 BLTR 1479 Days 13 DC: \$700 TACC: \$79,700 TAC: \$135,919

12/25/90- TD: 1485' PBDT: 1452' Perfs 1346-1385'. 18 hrs flowing well through test separator w/a 2" meter run. FTP 250 psi, csg 400 psi. Recovered 360 bbl load w/a gas rate of 500 MCF/D. TBLR 1092 BLTR 1119 Days 14 DC: \$700 TACC: \$80,400 TAC: \$136,619

12/26/90- TD: 1485' PBDT: 1452' Perfs 1346-1385'. SHUT IN WELL DUE TO BITTER COLD WEATHER. TBLR 1092 BLTR 1119 Days 15 DC: \$700 TACC: \$80,400 TAC: \$136,619

12/27/90- TD: 1485' PBDT: 1452' Perfs 1346-1385'. 14 hrs flowing through a test separator w/a 2" meter run. FTP 240 psi, csg 545 psi. Recovered 108 bbl load w/a gas rate of 1094 MCF/D. TBLR 1200 BLTR 1011 Days 16 DC: \$600 TACC: \$81,000 TAC: \$137,219

12/28/90- TD: 1485' PBDT: 1452' Perfs 1346-1385'. 14 hrs flowing through a test separator w/a 2" meter run. FTP 245 psi, csg 440 psi. Recovered 185 bbl load w/a gas rate of 1104 MCF/D. TBLR 1385 BLTR 826 Days 17 DC: \$600 TACC: \$81,600 TAC: \$137,819

12/29/90- TD: 1485' PBDT: 1452' Perfs 1346-1385'. 24 hrs flowing through a test separator w/a 2" meter run. FTP 250 psi, csg 460 psi. Recovered 160 bbl load w/a gas rate of 1085 MCF/D. TBLR 1545 BLTR 666 Days 18 DC: \$600 TACC: \$82,200 TAC: \$138,419

12/30/90- TD: 1485' PBDT: 1452' Perfs 1346-1385'. 24 hrs flowing through a test separator w/a 2" meter run. FTP 250 psi, csg 455 psi. Recovered 33 bbl load w/a gas rate of 1036 MCF/D. TBLR 1578 BLTR 633 Days 19 DC: \$600 TACC: \$82,800 TAC: \$139,019

12/31/90- TD: 1485' PBDT: 1452' Perfs 1346-1385'. 24 hrs flowing through a test separator w/a 2" meter run on a 27/64" choke. FTP 250 psi, csg 450 psi. Recovered 89 bbl load w/a gas rate of 1026 MCF/D. TBLR 1667 BLTR 544 Days 20 DC: \$600 TACC: \$83,400 TAC: \$139,619

01/01/91- TD: 1485' PBDT: 1452' Perfs 1346-1385'. 24 hrs flowing through a test separator w/a 2" meter run on a 27/64" choke. FTP 250 psi, csg 425 psi. Recovered 130 bbl load w/a gas rate of 1055 MCF/D. TBLR 1797 BLTR 414 Days 21 DC: \$600 TACC: \$84,000 TAC: \$140,219

01/02/91- TD: 1485' PBDT: 1452' Perfs 1346-1385'. 24 hrs flowing through a test separator w/a 2" meter run on a 32/64" choke. FTP 200 psi, csg 425psi. Recovered 113 bbl load w/a gas rate of 1366 MCF/D. TBLR 1910 BLTR 301 Days 22 DC: \$600 TACC: \$84,600 TAC: \$140,819

01/03/91- TD: 1485' PBD: 1452' Perfs 1346-1385'. 24 hrs flowing through a test separator w/a 2" meter run on a 31/64" choke. FTP 200 psi, csg 410 psi. Recovered 105 bbl load w/a gas rate of 1310 MCF/D. TBLR 2015 BLTR 196 Days 23 DC: \$600 TACC: \$85,200 TAC: \$141,419

01/04/91- TD: 1485' PBD: 1452' Perfs 1346-1385'. 24 hrs flowing through a test separator w/a 2" meter run on a 30/64" choke. FTP 200 psi, csg 400 psi. Recovered 276 bbl load w/a gas rate of 1291 MCF/D. TBLR 2291 BLTR +80 Days 24 DC: \$600 TACC: \$85,800 TAC: \$142,019

01/05/91- TD: 1485' PBD: 1452' Perfs 1346-1385'. 24 hrs flowing through a test separator w/a 2" meter run on a 20/64" choke. FTP 250 psi, csg 410 psi. Recovered 50 bbl load w/a gas rate of 685 MCF/D. TBLR 2431 BLTR +130 Days 25 DC: \$600 TACC: \$86,400 TAC: \$142,619

01/06/91- TD: 1485' PBD: 1452' Perfs 1346-1385'. 24 hrs flowing through a test separator w/a 2" meter run on a 20/64" choke. FTP 250 psi, csg 420 psi. Recovered 48 bbl load w/a gas rate of 685 MCF/D. TBLR 2479 BLTR +178 Days 26 DC: \$600 TACC: \$87,000 TAC: \$143,219

01/07/91- TD: 1485' PBD: 1452' Perfs 1346-1385'. 24 hrs flowing through a test separator w/a 2" meter run on a 20/64" choke. FTP 250 psi, csg 420 psi. Recovered 48 bbl load w/a gas rate of 680 MCF/D. Pull water and gas samples. Shut well in. Waiting on pipeline connection. TBLR 2572 BLTR +226 Days 27 DC: \$1,000 TACC: \$88,000 TAC: \$144,219