

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Expires August 31, 1985

3. LEASE DESIGNATION AND SERIAL NO.

SF 080491

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

BHP Petroleum (Americas), Inc.

3. ADDRESS OF OPERATOR

5847 San Felipe, Suite 3600 Houston, TX 77057

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)
At surface

1204' FSL & 1160' FEL (SE SE)

7. UNIT AGREEMENT NAME

Gallegos Canyon Unit

8. FARM OR LEASE NAME

Gallegos Canyon Unit

9. WELL NO.

505

10. FIELD AND POOL, OR WILDCAT

W. Kutz Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 17, T29N-R12W

14. PERMIT NO.

15. ELEVATIONS (Show whether DP, RT, OR, etc.)

5693'

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Well History

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

X

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. 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.)*

Spud well @ 4:15 PM on 11/9/90. Drld 8-3/4" hole to 140'. Ran 3 jts 7" 23# K-55 R-3 8R ST&C csg and landed @ 130' KB. Cmt w/200 sxs (236 cu ft) Class "B" w/2% CaCl & 1/4# sx cello seal. Obtained full returns w/8 bbls cmt circ to surf. WOC. NU BOP. Test csg & blind rams to 2000 psi. Drld 6-1/4" hole to 1815'. POOH. Ran DIGL/SDL/GR/DSN/Coal logs. Ran 45 jts 4-1/2" 10.5# J-55 8R R-3 ST&C csg and landed @ 1804' KB. Cmt w/240 sxs (302 cu ft) 50/50 Poz, 2% gel, 10% salt and 1/4# cello seal. Tail in w/ 45 sxs (53 cu ft) Class "B" low fluid loss. Obtained full returns w/6 bbls circ to surf. Released rig @ 9:45 AM on 11/13/90.

RECEIVED
JAN 22 1991
OIL CON. DIV.
DIST. 3

RECEIVED
NOV 28 1990
OIL CON. DIV.
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED

Beverly Comer

TITLE Production Technician

DATE 11/26/90

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED FOR RECORD

NMOOD

JAN 15 1991

*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

BF 080491

16. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

91 MAR 25

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

019 FARMING

2. NAME OF OPERATOR

BHP Petroleum (Americas), Inc.

3. ADDRESS OF OPERATOR

5847 San Felipe, Suite 3600, Houston, TX 77057

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1204' FSL & 1160' FEL (SE/SE)

At top prod. interval reported below

At total depth

17. AGREEMENT NAME

Gallegos Canyon Unit

18. LEASE NAME

Gallegos Canyon Unit

9. WELL NO.

505

10. FIELD AND POOL, OR WILDCAT

W. Kutz Pictured Cliffs

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 17, T29N-R12W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

15. DATE SPUDDED 11/9/90 16. DATE T.D. REACHED 11/13/90 17. DATE COMPL. (Ready to prod.) 12/16/90 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5693' GR 19. ELEV. CASINGHEAD 5693'

20. TOTAL DEPTH, MD & TVD 1815' TD 21. PLUG, BACK T.D., MD & TVD 1749' PBTD 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVALS DRILLED BY 0-TD 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* W. Kutz Pictured Cliffs 1660' - 1740' 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN DIGL/SDL/GR/DSN/COAL LOGS

27. WAS WELL CORRED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	23#	130' KB	8-3/4"	200 sxs Class "B" + Addit.	-0-
4-1/2"	10.5#	1804' KB	6-1/4"	240 sxs 50/50 Poz &	-0-
				45 sxs Class "B" + Addit.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					12-3/8"	1693' KB	

31. PERFORATION RECORD (Interval, size and number)

1662 - 1675' @ 4 JSPF (52 holes @ .35" dia.)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1662 - 1675'	Frac dn 4 1/2" csg w/726 bbls, 30#gel 70 Q foam and 56 M# 12/20 sand @ 30 BPM.

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
WOPLC		Flowing					SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
12/29/90	24	3/8"	→	N/A	366	61	N/A	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	GRAVITY-API (CORR.)		
85	170	→	N/A	366	61	RECORDED		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Venting

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Beverly Comer

TITLE

Production Technician

Fred Lowery

APR 15 1991

FARMINGTON RESOURCE AREA

2/14/91

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
	TOP	BOTTOM		NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
W. Kutz Pictured Cliffs	1660'	1740'	<p>No Cores or DST's were taken.</p> <p style="text-align: center;"> RECEIVED APR 24 1991 OIL CON. DIV. DIST. 3 </p>	<p>Nacimiento Fm. Ojo Alamo Ss. Kirtland Sh. Fruitland Fm. Top Coal int. Base Coal int. Pictured Cliffs Ss. TD</p>	<p>Surface 225' 398' 1375' 1407.5' 1657.' 1660' 1815'</p>	

TABULATION OF DEVIATION SURVEYS

BHP PETROLEUM (AMERICAS) INC.
GALLEGOS CANYON UNIT NO. 505
API NO. 30-045-28235

<u>DEPTH</u>	<u>DEVIATION</u>
605'	1/2°
1229'	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. 505 located 1204' FSL and 1160' FEL of Section 17 T29N-R12W in San Juan County, New Mexico.

Signed

Melissa Torbet
Melissa Torbet

THE STATE OF TEXAS)

) SS.

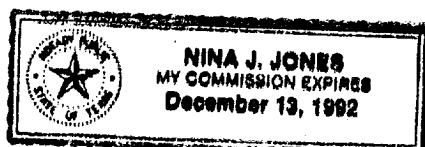
COUNTY OF HARRIS)

BEFORE ME, the undersigned authority, on this day personally appeared Melissa Torbet known to me to be Sr. Petroleum Engineer 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 8th day of January 1991.

Nina J. Jones
Notary Public

My Commission Expires _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

31 MAR 25 PM 2:53

SE 080491

Indian, Allottee or Tribe Name

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1204' FSL & 1160' FEL (SE/SE)

Sec. 17, T29N-R12W

7. If Unit or CA, Agreement Designation

Gallegos Canyon Unit

8. Well Name and No.

Gallegos Canyon Unit 505

9. API Well No.

30-045-28235

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 Well 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 surveys performed at the subject well are attached.

RECEIVED

APR 24 1991

OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed

Bakely Connor

Title

Production Technician

Date

2/14/91

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

ACCEPTED FOR RECORD

APR 15 1991

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

NM000

FARMINGTON RESOURCE AREA

BY

**BHP PETROLEUM (AMERICAS) INC.
GALLEGOS CANYON UNIT NO. 505
API NO. 30-045-28235**

<u>DEPTH</u>	<u>DEVIATION</u>
605'	1/2°
1229'	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. 505 located 1204' FSL and 1160' FEL of Section 17 T29N-R12W in San Juan County, New Mexico.

Signed Melissa Torbet
Melissa Torbet

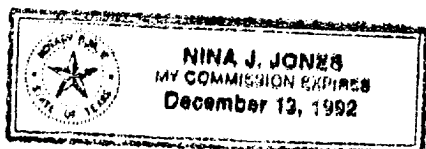
THE STATE OF TEXAS))
COUNTY OF HARRIS)) SS.

BEFORE ME, the undersigned authority, on this day personally appeared Melissa Torbet known to me to be Sr. Petroleum Engineer 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 8th day of January 1991.

Kenia J. Jones
Notary Public

My Commission Expires _____



BHP PETROLEUM (AMERICAS), INC.
GALLEGOS CANYON UNIT NO. 505
SEC. 17, T29N-R12W (NE/SE)
PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

WELL COMPLETION HISTORY

11/10/90- MIRU. Spud well at 4:15 PM ON 11/9/90. Drill 8-3/4" hole to 38'. Work kelly out of hole, gravel problems w/hole. Could not drill rat hole. Rig pump down, repair same. Drilling surface. Bit No. 1 8-3/4" Varel V517 Ser No. 57870 in @ 10', jets 1/32 2-12. WOB all, RPM 80, psi 800, SPM 60, MW 8.4, Vis 90. Drill 7 hrs, repair rig 3-1/4 hrs, drill rat hole 4-1/2 hrs. DMC: \$250 DC: \$4,726

11/11/90- Drill 8-3/4" hole to 140'. RU and ran 3 jts 7" 23# K-55 R-3 8R ST&C csg and landed at 130' KB. RU Western and cmt w/200 sxs Class "B" w/2% CaCl, 1/4# sx cello seal. Obtained full returns w/8 bbl cmt circulated to surface. Plug dn at 3:15 pm on 11/10/90. 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 6-1/4" hole to 305'.

12/29/90- TD: 1815' PBT 1749' Perfs 1662-1675' 24 hrs flowing well through test separator w/a 2" meter run. FTP 85 psi, csg 179 psi. Recovered 61 bbl water w/a gas rate of 366 MCF/D. Pull water & gas samples. Shut well in, waiting on pipeline connection. TBLR 906 BLTR +658 Days 17 DC: \$1,000 TACC: \$33,600 TAC: \$89,570

Bit No. 1 in @ 10', out @ 140'. Bit No. 2 6-1/4" Varel V517 Ser No. 55906 Jets 1/32 2-14 in @ 140'. WOB all, RPM 80, psi 1000, SPM 60, MW 8.4, Vis 28. Drill 6-3/4 hrs, lub rig 1/4 hr, repair rig 5-1/4 hrs, run csg & cmt 1 hr, WOC 5 hrs, NUBOP 3-3/4 hrs, drl cmt 1 hr, lay dn DP 1 hr, drill rat hole 4-1/2 hrs. DCS 14-4-3/4. DMC \$250 CMC: \$500 DC: \$9,755 TAC: \$14,481

11/12/90- Depth 1360' (1055') Drill 6-1/4" hole to 1360 with two surveys. Bit No. 2 6-1/4" Varel V517 Ser No. 55906 in @ 140'. WOB all, RPM 80, psi 1100, MW 8.5, Vis 28, PV/YP 6/2 gels 0/2, WL 10.2, pH 10.5, FC/32 1, solids 3.5, tr sand. Drilling 17 hrs, lub rig 1/2 hr, rep rig 6-1/4 hrs, dev survey 1/4 hr. Dev 1/2° @ 605' & 1229'. Drlg 17 hrs, lub rig 1/2 hr, rep rig 6-1/4 hr, survey 1/4 hr. DMC: \$250 CMC: \$750 DC: \$11,023 TAC: \$22,504

11/12/90- Correction on TAC: Should be \$25,504

11/13/90- Depth 1815' (455') Drill 6-1/4" hole to 1815'. Circ & cond for logs. POOH RU HLS & log well. Logger TD 1815''. Ran DIGL/SDL/GR/DSN/Coal logs. TIH and cond f/csg. POOH, LD DP DC. PU and ran 45 jts 4-1/2" 10.5# J-55 8R R-3 ST&C csg and landed at 1804' KB. RU Western & cement w/240 sxs 50/50 Poz 2% gel, 10% salt and 1/4# sx Cello Seal and tail in w/45 sxs Class "B" low fluid loss. Obtained full returns w/6 bbl circ to surface. Bumped plug and released press, float held. Plug dn at 5:45 am 11/13/90, ND BOPE and jet pits. Bit No. 2 6-1/4" Varel V517 Ser #55906 in at 140' out at 1815'. Jets 1/32 2-14. WOB all, RPM 80 psi 1100, SPM 60 MW 9.3 Vis 65 PV/YP 18/12 Gels 8/22 WL 6.8 pH 9.05 FC/32 2 Solids 5 % Sand .75. Days from spud-3. Drill 8 hrs, cond & circ 1-1/4 hrs, trip 3-1/2 hrs, lub rig 1/4 hr, rep rig 1/4 hr, WL logs 3-1/4 hrs, run csg & cmt 3-3/4 hrs, Lay dn DP 2-1/2 hrs, ND BOP and

Jet pits 1-1/4 hr. DMC: \$400 CMC: \$1150 DC: \$29,985 TAC: \$55,489
11/14/90- TD: 1815'. Finish jeting pits. Release rig at 9:45 am
 11/13/90. WOCT. ND BOP and Jet pits 2-3/4 hr. CMC: \$1150 DC: \$481
 TAC: \$55,970 Days from spud: 4
12/13/90- TD: 1815' PBTB: 1749' MIRU NU BOPE PU 3 7/8" Bit & a 4
 1/2" csg scraper on 2-3/8" tbq and TIH. Found PBTB at 1749' KB.
 Circ hole clean w/2% KCL and additives. Pressure test csg & BOPE
 to 2500 psi, OK. TOH w/tbq. RU W/L. GIH and ran GR/CCL
 correlation log. POH. GIH and perf the Pictured Cliffs from 1662'
 to 1675' with 3-1/8" 90 deg phased, premium charged csg gun @ 4
 JSPF. All shots fired, no pressure to surface. SDFN. kDC: \$4,100
 TACC: \$4,100 TAC: \$60,070
12/14/90- TD: 1815' PBTB: 1749' Perfs 1662-1675'. WO Frac crew.
 DC \$200 TACC: \$4,300 TAC: \$60,270
12/15/90- TD: 1815' PBTB 1749' Perfs 1662-1675' WO frac crew. DC>:
 \$200 TACC: \$4500 TAC: \$60,470
12/16/90- TD: 1815' PBTB 1749' Perfs 1662-1675'. 0 PSI on well.
 RU BJ and fracture stimulate the Pictured Cliffs dn 4-1/2" csg w/
 30,500 gal 30# linear gel, 70 quality N/2 foam and 56,000# 12/20
 sand at 30 BPM. Max pressure 1320 psi, min 1120 psi, avg 1300 psi
 avg rate 30 BPM. Max sand conc 4 ppg. ISIP 1134 psi, bled back
 to close fracture. 15 min 980 psi, 5 hour SICP 560 psi, open well
 to frac tank on a 3/8" Pos choke load fluid to recover 248 bbl.
 BLTR 248 Days 4 DC: \$18,400 TACC: \$22,900 TAC: \$78,870
12/17/90- TD: 1815' PBTB 1749' Perfs 1662-1675' Well flowing 15
 hours on a 3/8" pos choke. Recovered 140 bbl load with an est gas
 rate of 500 MCF/D. TBLR 140 BLTR 108 Days 5 DC: \$0 TACC: \$22,900
 TAC: \$78,870
12/18/90- TD: 1815' PBTB 1749' Perfs 1662-1675' Well flowing 24
 hours on a 3/8" pos choke. Recovered 77 bbl load with an est gas
 rate of 400 MCF/D. TBLR 217 BLTR 31 Days 6 DC: \$0 TACC: \$22,900
 TAC: \$78,870
12/19/90- TD: 1815' PBTB 1749' Perfs 1662-1675' Well flowing 24
 hours on a 3/8" pos choke. Recovered 102 bbl load with an est gas
 rate of 400 MCF/D. fcp 180 psi. TBLR 319 BLTR +71 Days 7 DC: \$0
 TACC: \$22,900 TAC: \$78,870
12/20/90- TD: 1815' PBTB 1749' Perfs 1662-1675' Well flowing 24
 hours on a 3/8" pos choke. Recovered 105 bbl load with an est gas
 rate of 350 MCF/D. fcp 160 psi. TBLR 424 BLTR +176 Days 8 DC: \$0
 TACC: \$22,900 TAC: \$78,870
12/21/90- TD: 1815' PBTB 1749' Perfs 1662-1675' Well flowing 24
 hours on a 3/8" pos choke. Recovered 103 bbl load w/an est gas
 rate of 350 MCF/D. fcp 160 psi. TBLR 527 BLTR +279 Days 9 DC: \$0
 TACC: \$22,900 TAC: \$78,870
12/22/90- TD: 1815' PBTB 1749' Perfs 1662-1675' MIRU PU & tally in
 hole 2 3/8" tbq & expendable check. Tag & SNAD @ 1690' clean out
 w/2% KCL water to PBTB. Pull up & land tbq w/54 jts 4/7# 8R J-55
 EUE @ 1693' & S.N. @ 1661' KB. ND BOPE Nu well head. Drop ball
 & pump off check. RU & swab back 12 bbl, well kicked off flowing.
 TBLR 539 BLTR +291 Days 10 DC: \$7,700 TACC: \$30,600 TAC: \$86,570
12/23/90- TD: 1815' PBTB 1749' Perfs 1662-1675' 12 hrs flowing well
 through test separator w/a 2 " meter run. FTP 155 psi, csg 240
 psi. Recovered 80 bbl load w/a gas rate of 250 MCF/D. TBLR 619 BLTR
 +371 Days 11 DC: \$1,000 TACC: \$31,600 TAC: \$87,570

12/24/90- TD: 1815' PBTD 1749' Perfs 1662-1675' 12 hrs flowing well through test separator w/a 2 " meter run. FTP 150 psi, csg 210 psi. Recovered 46 bbl load w/a gas rate of 294 MCF/D. TBLR 665 BLTR +417 Days 12 DC: \$0 TACC: \$31,600 TAC: \$87,570

12/25/90- TD: 1815' PBTD 1749' Perfs 1662-1675' 24 hrs flowing well through test separator w/a 2 " meter run. FTP 152 psi, csg 230 psi. Recovered 35 bbl water w/a gas rate of 290 MCF/D. TBLR 700 BLTR +452 Days 13 DC: \$0 TACC: \$31,600 TAC: \$87,570

12/26/90- TD: 1815' PBTD 1749' Perfs 1662-1675' 24 hrs flowing well through test separator w/a 2 " meter run. FTP 153 psi, csg 230 psi. Recovered 35 bbl water w/a gas rate of 283 MCF/D. TBLR 735 BLTR +487 Days 14 DC: \$0 TACC: \$31,600 TAC: \$87,570

12/27/90- TD: 1815' PBTD 1749' Perfs 1662-1675' 24 hrs flowing well through test separator w/a 2 " meter run. FTP 152 psi, csg 230 psi. Recovered 33 bbl water w/a gas rate of 270 MCF/D. TBLR 768 BLTR +520 Days 15 DC: \$0 TACC: \$31,600 TAC: \$87,570

12/28/90- TD: 1815' PBTD 1749' Perfs 1662-1675' 24 hrs flowing well through test separator w/a 2 " meter run. FTP 100 psi, csg 200 psi. Recovered 77 bbl water w/a gas rate of 323 MCF/D. TBLR 845 BLTR +597 Days 16 DC: \$1,000 TACC: \$32,600 TAC: \$88,570

12/29/90- TD: 1815' PBTD 1749' Perfs 1662-1675' 24 hrs flowing well through test separator w/a 2 " meter run. FTP 85 psi, csg 179 psi. Recovered 61 bbl water w/a gas rate of 366 MCF/D. Pull water & gas samples. Shut well in, waiting on pipeline connection. TBLR 906 BLTR +658 Days 17 DC: \$1,000 TACC: \$33,600 TAC: \$89,570

12/30/90- TD: 1815' PBTD 1749' Perfs 1662-1675' Shut well in, waiting on pipeline connection. TBLR 906 BLTR +658 Days 17 DC: \$1,000 TACC: \$33,600 TAC: \$89,570