

CONFIDENTIAL

Form 3160-4
(August 1999)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resv. ☐ Other

2. Name of Operator
BP America Production Company

3. Address
P.O. Box 3092 Houston, TX 77253-3092

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface 2200' FSL; 2310' FEL
At top prod. interval reported below
At total depth

5. Lease Serial No.
NMSE 078109

6. If Indian, Allottee or Tribe Name
Eastern Navajo

7. Unit or CA Agreement Name and No.
NMNM 78391M

8. Lease Name and Well No.
Gallegos Canyon Unit 597

9. API Well No.
30-045-31620

10. Field and Pool, or Exploratory
Basin Fruitland Coal

11. Sec., T., R., M., on Block and Survey or Area 21 T29N R12W

12. County or Parish
San Juan

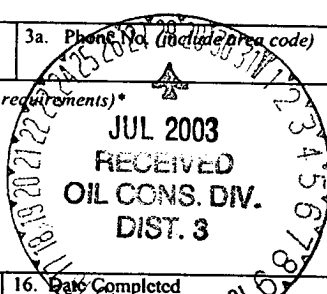
13. State
NM

14. Date Spudded
6-10-2003

15. Date T.D. Reached
6-12-2003

16. Date Completed
7-15-03

17. Elevations (DF, RKB, RT, GL)*
5554' GL



18. Total Depth: MD 1741' TVD
19. Plug Back T.D.: MD 1692' TVD
20. Depth Bridge Plug Set: MD — TVD —

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNL, LDT, HRI, GR, SP

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
8 3/4"	7" J	23		447'		2065X C/G		Surface	
6 1/4"	4 1/2" J	10.5		1737'		1165X C/G + 655X P02		Surface	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	1545'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) <u>Fruitland Coal</u>	<u>1460'</u>	<u>1510'</u>	<u>1460' - 1510'</u>	<u>3.125</u>	<u>48</u>	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
<u>1460' - 1510'</u>	<u>Foam frac w/ 60,000 gal YF 120 70 Q XL Foam; 75,400# 14/30 Brady Snd</u>

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
<u>N/A</u>	<u>7-7-03</u>	<u>2 hrs</u>	<u>→</u>	<u>1</u>	<u>483</u>	<u>9</u>			<u>pump</u>
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			<u>→</u>					<u>w/o Equipment GSI</u>	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<u>→</u>						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			<u>→</u>						

(See instructions and spaces for additional data on reverse side)

ACCEPTED FOR RECORD

JUL 24 2003

FARMINGTON FIELD OFFICE

NMOCD

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				Fruitland Coal Pictured Cliffs Lewis Chacra	1162' 1429' 1566' 2401'

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Cherry HlavaTitle Regulatory AnalystSignature Cherry HlavaDate 7-18-03

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

Gallegos Canyon Unit 597
New Drill Subsequent Report
07/15/2003

06/26/03 MIRU SU TIH w/3.125 GUN & PERF FRUITLAND COAL 1460' – 1510' w/2 JSPF.
TOTAL OF 48 HOLES.

7/7/03 RU SU & FOAM FRAC FC w/60,000 gal. YF 120 70Q XL FOAM & 75,400 lb 16/30 BRADY
SND. LAST 21,000 lb w/PROPNET. SPEARHEAD 500 gal ACID 15% HCL.

7/8/03 SPOT EQUIPMENT

7/9/03 CSG PRESS 100 psi BH 0 psi. ND FV & NUBOP. W/3" FLW LINES. TIH TAG FILL @1585'.
RU & TST LINES, UNLOAD WELL w/AIR @1585'. RECOVERED 10 bbls FLUID MAKING MED.
SND. TOH ABOVE PERFS. SDFN.

7/10/03 25 psi CSG, 0 BH. TAG FILL @1585'. C/O TO PBTD. Pull above perfs, SDFN.

7/11/03 50 PSI CSG, BH 0 PSI. TIH TAG FILL @1692' PBTD. UNLOAD w/AIR-MIST, DEWTR
WELL, RECOVERED 20 – 30 bbls WTR. MAKING LIGHT TRACE OF SND. PULL ABOVE PERFS.
SDFN.

7/14/03 100 psi CSG. BH 0 psi. TIH TAG FILL @1692. UNLOAD. TIH & LAND TBG @1545'.

7/14/03 NDBOP. NUWH. PU/PMP RUN ¾" RODS, SEAT & SPACE PMP LOAD TBG. PRESS. TEST
500 psi. RD.