

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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. Resvr.,
Other _____

2. Name of Operator
B.P. America Production Company
3. Address
P.O. Box 3092 Houston, TX 77253
3a. Phone No. (include area code)
281 366 4491

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface *950' ESL ? 1755' FWL Unit N*
At top prod. interval reported below
At total depth

14. Date Spudded *5/30/2003* 15. Date T.D. Reached *6/4/2003* 16. Date Completed *6/26/2003*
☐ D & A ☒ Ready to Prod.

18. Total Depth: MD *5150'* TVD *5135'* 19. Plug Back T.D.: MD *5135'* TVD *5135'* 20. Depth Bridge Plug Set: MD *5762'* TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
T D T

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
<i>13 1/2</i>	<i>9 5/8</i>	<i>32.3</i>	<i>0</i>	<i>139</i>		<i>125</i>		<i>0</i>	
<i>8 3/4</i>	<i>7"</i>	<i>20</i>	<i>0</i>	<i>2129</i>		<i>276</i>		<i>0</i>	
<i>6 1/4</i>	<i>5 1/2</i>	<i>11.6</i>	<i>1987</i>	<i>5150</i>		<i>185</i>		<i>1887</i>	<i>1987'</i>

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
<i>2 3/8</i>	<i>4767'</i>							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) <i>MESAVERDE</i>	<i>3984</i>	<i>4428</i>	<i>3984 - 4428</i>	<i>.300</i>	<i>60</i>	
B) <i>MESAVERDE</i>	<i>4480</i>	<i>4786</i>	<i>4480 - 4786</i>	<i>.300</i>	<i>60</i>	
C)						
D)						

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

Depth Interval	Amount and Type of Material
<i>3984 - 4428</i>	<i>84,000# 16/30 BRADY SAND, 70% Quality Foam & N2</i>
<i>4480 - 4786</i>	<i>81,300# 16/30 BRADY SAND, 70% Quality Foam & N2</i>

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
<i>6/24/03</i>	<i>6/26/03</i>	<i>12</i>	<i>→</i>	<i>TRACE</i>	<i>850</i>	<i>TRACE</i>			<i>Flowing</i>
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
<i>3/4</i>	<i>0</i>	<i>117</i>	<i>→</i>	<i>TRACE</i>	<i>1700</i>	<i>TRACE</i>		<i>Producing</i>	

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
			<i>→</i>						<i>JUL 15 2003</i>
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			<i>→</i>						<i>FARMINGTON FIELD OFFICE</i>

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

NMOCD

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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	2234
				Fractured Cliffs	2474
				hears Shale	2683
				Cliff House	3980
				Menefer	4277
				Point Lookout	4684
				Manco	4964

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)

Mary Corley

Title

Sr. Regulatory Analyst

Signature

Mary Corley

Date

09-09-2003

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.

HOWELL 1B
COMPLETION SUBSEQUENT REPORT
07/10/2003

06/11/2003 RU & NU Frac head & Frac valve – test liner to 1000#. HELD OK. RU & run TDT log.

06/19/2003 RU & perf Point Lookout & Menefee w/2 SPF, .300 inch diameter, 120° phasing as follows: 30 Shots / 60 Holes
4786, 4778, 4770, 4758, 4748, 4741, 4733, 4726, 4708, 4697, 4687, 4678, 4670, 4660, 4650, 4643, 4636, 4628, 4620, 4610, 4596, 4588, 4575, 4565, 4555, 4539, 4509, 4503, 4486, 4480

06/20/2003 RU & Frac w/81,300# of 16/30 Brady Sand, 70% Quality Foam & N2. RU, TIH & set CIBP @ 4460'. RU & perf Upper Menefee & Cliffhouse w/2 SPF, .300 inch diameter, 120° phasing as follows: 30 Shots / 60 Holes
4428, 4409, 4383, 4353, 4335, 4281, 4273, 4267, 4255, 4246, 4234, 4228, 4214, 4202, 4191, 4173, 4160, 4132, 4110, 4093, 4075, 4062, 4044, 4030, 4024, 4018, 4011, 4002, 3990, 3984
RU & Frac w/84,000# of 16/30 Brady Sand, 70% Quality Foam & N2. RU & ND Frac valve & NU BOP. Flow back well to pit thru ¼" choke overnight.

06/21/2003 @ 08:00 hrs upsized to ½" choke & flowed back for 8 hrs. Upsized to ¾" choke and flowed back overnight.

06/22/2003 Flowed back well thru ¾" choke.

06/23/2003 Flowed back well. RU & kill well w/2% KcL. ND Frac valve & NU BOP. TIH & tag fill @ 1980'. Flow back sand to C/O. Flow back overnight.

06/24/2003 TIH & tag fill @ 4407'. C/O to CIBP @ 4460'. DO CIBP. TIH & tag fill @ 5039'. C/O to PBTD @ 5135'. Circ hole clean. RU & Flow back well overnight thru ½" choke.

06/25/2003 TIH & tag fill @ 5099'. C/O to PBTD. Flow back natural for 1 hr. TIH & tag 7' of fill. C/O to PBTD. Flow back overnight thru ¾" choke.

06/26/2003 Flow test well for 12 hrs. thru ¾" choke. 1400 MCFD Gas, Trace WTR, Trace oil. RU & TIH w/BHA & TBG plug. TIH w/ 2 3/8" production TBG & land @ 4767'. ND BOP. NUWH. Pull TBG plug. RD & MOSU. Rig Release @ 21:00 hrs.