

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other										6. If Indian, Allottee or Tribe Name																													
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____										7. Unit or CA Agreement Name and No.																													
2. Name of Operator BP AMERICA PRODUCTION COMPANY										Contact: MARY CORLEY E-Mail: corleyml@bp.com										8. Lease Name and Well No. VANDEWART B 2M																			
3. Address P.O. BOX 3092 HOUSTON, TX 77253										3a. Phone No. (include area code) Ph: 281.366.4491										9. API Well No. 30-045-31197 ✓																			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SENE Lot H 1990FNL 1280FEL 36.42800 N Lat, 107.37400 W Lon At top prod interval reported below SWNE Lot G 1990FNL 1980FEL 36.42800 N Lat, 107.37400 W Lon At total depth SWNE Lot G 1990FNL 1980FEL 36.42800 N Lat, 107.37400 W Lon																														10. Field and Pool, or Exploratory BASIN DAKOTA/BLANCO MESAVERDE									
14. Date Spudded 10/02/2002										15. Date T.D. Reached 10/12/2002										16. Date Completed ☐ D & A ☒ Ready to Prod. 11/01/2002										17. Elevations (DF, KB, RT, GL)* 6923 GL									
18. Total Depth: MD 8120 TVD 8050										19. Plug Back T.D.: MD 8117 TVD 8047										20. Depth Bridge Plug Set: MD TVD																			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) TDT															22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)																								
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												
13.500			9.625 H-40			32.0			0			201						194						0															
8.750			7.000 J-55			20.0			0			3913						475						0															
6.250			4.500 J-55			12.0			0			5120 8120						375						3813															
24. Tubing Record																																							
Size			Depth Set (MD)			Packer Depth (MD)			Size			Depth Set (MD)			Packer Depth (MD)			Size			Depth Set (MD)			Packer Depth (MD)															
2.375			7949																																				
25. Producing Intervals															26. Perforation Record																								
Formation			Top			Bottom			Perforated Interval						Size			No. Holes			Perf. Status																		
A) DAKOTA			7913			8078			5185 TO 5550						0.400			50																					
B) MESAVERDE			5185			6072			5686 TO 6072						0.400			50																					
C)									7913 TO 8078						0.330			50																					
D)																																							
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.																																							
Depth Interval					Amount and Type of Material																																		
5185 TO 5550					81,961# OF 16/30 BRADY SAND, 70% QUALITY FOAM & N2																																		
5686 TO 6072					108,240# OF 16/30 BRADY SAND, 70% QUALITY FOAM & N2																																		
7913 TO 8078					63,314# OF 20/40 RESIN SAND & SLICKWATER																																		
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																					
10/24/2002		10/24/2002		14		→		1.0		790.0		8.0						FLOWS FROM WELL																					
Choke Size		Tbg. Press. Flwg. SI		Csg. Press.		24 Hr. Rate		Oil BBL		Gas MCF		Water BBL		Gas:Oil Ratio		Well Status																							
3/4		SI		245.0		→										PGW																							
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																					
10/24/2002		10/30/2002		12		→		1.0		1120.0		0.0						FLOWS FROM WELL																					
Choke Size		Tbg. Press. Flwg. SI		Csg. Press.		24 Hr. Rate		Oil BBL		Gas MCF		Water BBL		Gas:Oil Ratio		Well Status																							
3/4		SI		175.0		→										PGW																							

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

ELECTRONIC SUBMISSION #15841 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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FARMINGTON FIELD OFFICE

NMOC

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.)
SOLD

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
				CLIFFHOUSE	4623
				MENEFEE	5466
				POINT LOOKOUT	5860
				MANCOS	6156
				GREENHORN	7816
				GRANEROS	7873
				TWOWELLS	7910
				PAGUATE	8005
				UPPER CUBERO	8035
				LOWER CUBERO	8081

32. Additional remarks (include plugging procedure):

Well has been dually completed in the Basin Dakota and Blanco Mesaverde pools and production is downhole commingled. Please see attached subsequent report for well work activity.

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):

**Electronic Submission #15841 Verified by the BLM Well Information System.
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington
Committed to AFMSS for processing by Adrienne Garcia on 11/25/2002 ()**

Name (please print) MARY CORLEYTitle AUTHORIZED REPRESENTATIVE

Signature _____ (Electronic Submission)

Date 11/06/2002

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.

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VANDEWART B 2M
COMPLETION SUBSEQUENT REPORT
11/06/2002

10/14/2002 RU & NU Frac head & Frac valve – test CSG to 4500#. HELD OK. RU & run TDT log.

10/16/2002 RU & Perf the Dakota with 2 SPF, 120° phasing as follows: 25 Shots / 50 Holes
8078', 8074', 8070', 8067', 8050', 8045', 8040', 8025', 8020', 8016', 8013', 8000', 7992',
7974', 7969', 7960', 7954', 7944', 7938', 7934', 7930', 7926', 7920', 7917', 7913'

10/17/2002 RU & Frac w/63,314# of 20/40 Resin Sand & Slickwater. ND Frac Valve. NU flowback head & flow well to pit thru ¼" choke for 1 hr.

10/18/2002 ND Frac Valve & NU BOP. RU & TIH to 3975'. Circ clean @ 3975'. Secure well SDFN.

10/21/2002 TIH & circ clean to 7500'. Secure & SDFN.

10/22/2002 TIH & tag fill @ 7979'. C/O to PBTD @ 8117'. PU above perms & SDFN.

10/23/2002 TIH & tag fill @ 7984'. C/O to PBTD. PU above perms & flow well to pit w/watchman thru ¾" choke overnight.

10/24/2002 Flow well to pit. TIH & tag fill @ 8092'. C/O to PBTD. PU above perms & flow well test well for 14 hrs. thru ¾" choke. 790 MCF gas, CP 60#. 8 BBLS WTR, trace oil.

10/25/2002 Flow back thru ¾" choke. TIH & tag 0 fill. TOH.
END OF DAKOTA COMPLETION.

BEGIN MESAVERDE COMPLETION. RU & TIH w/CIBP & set @ 6400'. RU & load hole w/2% KcL WTR. RU & perf Point Lookout & Menefee, 120° phasing, JSPF 25 Shots / 50 Holes:

6072', 6060', 6049', 6037', 6006', 5996', 5978', 5971', 5965', 5952', 5941', 5936', 5930',
5916', 5907', 5893', 5874', 5866', 5848', 5837', 5791', 5781', 5769', 5760', 5686'

RU & Frac w/108,240# of 16/30 Brady Sand, 70% Quality Foam & N2. RU, TIH & set CIBP @, 5580'. RU & perf Menefee & Cliffhouse, 120° phasing, 2 JSPF 25 Shots / 50 Holes

5550', 5543', 5531', 5456', 5440', 5430', 5422', 5409', 5395', 5383', 5369', 5361',
5341', 5324', 5317', 5300', 5292', 5287', 5279', 5266', 5258', 5234', 5220', 5195', 5185'

10/26/2002 RU & Frac w/81,961# of 16/30 Brady Sand, 70% Quality Foam & N2. ND Frac & NU Flow back head. Open well on ¼" choke for 8.5 hrs. Upsized choke to ½" & flow back 5.5 hrs.

10/27/2002 @ 00.00 hrs upsized choke to ¾" & flow back for 31 hrs.

10/28/2002 Blow down well. TIH & tag fill @ 5420'. C/O to CIBP set @ 5580. PU above perms & flow back thru ¾" choke to pit for 9 hrs.

10/29/2002 Flow back well. @ 07.00 hrs TIH & tag fill @ 5545'. C/O to CIBP. DO CIBP. TIH & tag fill @ 6345'. C/O to CIBP set @ 6400'. PU above perfs & flow well to pit thru 3/4" choke.

10/30/2002 RU & flow test well for 12 hrs. thru 3/4" choke. 1120 MCF gas, CP 175#, Trace WTR, Trace oil. TIH & tag 45' of fill. C/O to CIBP set @ 6400'. DO CIBP. Circ hole clean. TIH & tag fill @ 8105'. C/O to PBTD @ 8117'. Circ hole clean. PU above perfs & flow back thru 3/4" choke.

10/31/2002 TIH & tag 7' of fill. C/O to PBTD. Secure well SDFN.

11/01/2002 TOH. RU & TIH w/BHA & TBG plug. TIH w/ 2 3/8" production TBG & land @ 7949'. ND BOP. NUWH. Pull TBG plug. RD & MOSU. Rig Release @ 12:00 hrs.