

District I - (505) 393-6161  
1625 N. French Dr. Hobbs, NM 88240  
District II - (505) 748-1283  
1301 W. Grand Avenue, Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV - (505) 476-3440  
1220 S. St. Francis Dr., Santa Fe, NM 87505

Energy Minerals and Natural Resources Department

Form C-140  
Revised 06/99

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505  
(505) 476-3440

SUBMIT ORIGINAL  
PLUS 2 COPIES  
TO APPROPRIATE  
DISTRICT OFFICE

APPLICATION FOR  
WELL WORKOVER PROJECT

JUN 2002

I. Operator and Well

Operator name & address BP America Production Company P.O. Box 3092 Attn: Mary Corley Houston, TX 77253						OGRID Number 000778		
Contact Party Mary Corley						Phone 281-366-4491		
Property Name Wilch A				Well Number 2		API Number 30-045-23344		
UL B	Section 25	Township 29N	Range 08W	Feet From The 960	North/South Line North	Feet From The 1730	East/West Line East	County San Juan

II. Workover

Date Workover Commenced: 07/16/2001	Previous Producing Pool(s) (Prior to Workover): Basin Dakota
Date Workover Completed: 07/25/2001	

III. Attach a description of the Workover Procedures performed to increase production.

IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

V. AFFIDAVIT:

State of Texas )  
 ) ss.  
County of Harris )  
Mary Corley, being first duly sworn, upon oath states:

1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.

Signature Mary Corley Title Senior Regulatory Analyst Date June 19, 2002

SUBSCRIBED AND SWORN TO before me this 19 day of June, 2002.

My Commission expires September 20, 2005

Notary Public Patricia Bogg DiSena

Patricia Bogg DiSena  
Notary Public, State of Texas  
My Commission Expires  
September 20, 2005

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on 07-25, 2001.

Signature District Supervisor <u>Charlie T. Lerner</u>	OCD District <u>AZTEC III</u>	Date <u>06-24-2002</u>
---	----------------------------------	---------------------------

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: November 30, 2000

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMSF - 078416-A

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator AMOCO PRODUCTION COMPANY			8. Lease Name and Well No. WILCH A 2		
3. Address P.O. BOX 3092 HOUSTON, TX 77253			9. API Well No. 30-045-23344		
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface NWNE Lot B 960FNL 1730FEL  At top prod interval reported below  At total depth			10. Field and Pool, or Exploratory BLANCO MESAVERDE		
14. Date Spudded 06/12/1979			15. Date T.D. Reached 06/20/1979		
16. Date Completed <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod. 06/25/2001			17. Elevations (DF, KB, RT, GL)* 7890 GL		
18. Total Depth: MD 7900 TVD			19. Plug Back T.D.: MD TVD		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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)	Casing Top*	Amount Pulled
12.250	9.675	36.000		22		150			
8.750	7.000	23.000		3799		680			
6.250	4.500	11.000	3634	7900		600			

## 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	7362							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	5004	5846	5004 TO 5846	3.130	76	
B)						
C)						
D)						

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material
5004 TO 5420	80,000 LBS 16/30 BRADY SAND & 70% FOAM & N2
5560 TO 5846	80,000 LBS 16/30 BRADY SAND & 70% FOAM & N2

## 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
07/24/2001	07/24/2001	12	→	1.0	900.0	1.0			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	
		230.0	→					PGW	

ACCEPTED FOR RECORD

## 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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

SEP 25 2001

FARMINGTON FIELD OFFICE  
BY

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

ELECTRONIC SUBMISSION #6000 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\*

OPERATOR

## 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
MESAVERDE	5004	5846		CLIFFHOUSE MENELEE POINT LOOKOUT GRANEROS DAKOTA	5003 5170 5558 7642 7728

## 32. Additional remarks (include plugging procedure):

Well completed into the Mesaverde and downhole commingling production with the Dakota.  
Please see attached for subsequent well activity work.

## 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 #6000 Verified by the BLM Well Information System for AMOCO PRODUCTION COMPANY.  
Sent to the Farmington. Committed to AFMSS for processing by Matthew Warren on 07/27/2001 ()

Name (please print) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature

Date 07/27/2001

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

WILCH A 2  
RECOMPLETION & DOWNHOLE COMMINGLING SUBSEQUENT REPORT  
07/27/2001

07/16/2001 MIRUSU @ 07:30 hrs. NDWH & NU BOP's. Unseat TBG hanger. TOH W/TBG. SDFN.

07/17/2001 TIH & set a CIBP @ 5950'. Load hole w/2% KcL water. Pressure tested CSG to 2500#. Held Ok. RU & run GR log. RU & Perf Point Lookout: 3.125 inch diameter

Upper Point Lookout Perforations, 1 JSPF, 120° phasing (17 shots/ 17 holes):

5560', 5566', 5572', 5582', 5592', 5602', 5610', 5618', 5630', 5640', 5650', 5656', 5664', 5680', 5686', 5700', 5706'

Lower Point Lookout perforations, 2 JSPF, 120° phasing (10 shots/ 20 holes):

5728', 5736', 5752', 5762', 5776', 5784', 5790', 5822', 5834', 5846'

07/18/2001 RU & Frac w/80,000# of 16/30 Brady Sand & 70% Foam & N2. RU & TIH w/CIBP & set @ 5460'. RU & Perf Cliffhouse & Menefee: 3.125 inch diameter

Cliffhouse perforations, 1 JSPF 120° phasing (15 shots/ 15 holes):

5004', 5010', 5017', 5026', 5048', 5054', 5060', 5066', 5072', 5082', 5087', 5102', 5114', 5120', 5128'

Menefee perforations, 2 JSPF, 120° phasing (12 shots/ 24 holes):

5166', 5178', 5270', 5278', 5294', 5312', 5330', 5366', 5374', 5392', 5412', 5420'

RU & Frac w/80,000# of 16/30 Brady Sand & 70% Foam. RU & Flow back well thru  $\frac{1}{4}$ " choke all night.

07/19/2001 Flowback well thru  $\frac{1}{4}$ " choke. After 4 hrs upsized to  $\frac{1}{2}$ " choke & flowed back overnight.

07/20/2001 Upsized choke to  $\frac{3}{4}$ " & flowed back overnight.

07/23/2001 TIH & tag fill @ 5360. Circ hole clean to top of CIBP set @ 5460'. DO CIBP. TIH & tag fill @ 5910'. Circ clean to CIBP set @ 5950. DO CIBP & circ hole clean. PU above TOL & flow back thru  $\frac{3}{4}$ " choke.

07/24/2001 TIH & found O fill. Flow test well 12 hrs. thru  $\frac{3}{4}$ " choke. 900 MCF Gas, Trace WTR, Trace oil.

07/25/2001 TIH W/production TBG & land @ 7632'. ND BOP's & NUWH. Pull TBG plug. RDMOSU. Rig Release @ 18:30 hrs.

Well:	WILCH A	No.:	2
Operator:	BP AMERICA PRODUCTION COMPANY	API:	30-045-23344
Township:	29.0N	Range:	08W
Section:	25	Unit:	B
Land Type:	F	County:	San Juan

Year: 2000

Pool Name: BASIN DAKOTA (PRORATED GAS)

Month	Oil(BBLS)	Gas(MCF)	Water(BBL Days	Prod	Accum.	Oil Accum.	Gas(MCF)
January	0	1380	0	31	736	605709	
February	0	1873	0	27	736	607582	
March	0	1349	0	31	736	608931	
April	0	1120	0	30	736	610051	
May	0	962	0	31	736	611013	
June	5	1515	0	30	741	612528	
July	0	1247	0	31	741	613775	
August	0	1060	0	31	741	614835	
September	0	926	0	30	741	615761	
October	0	884	0	31	741	616645	
November	0	1108	0	30	741	617753	
December	2	1848	0	31	743	619601	
Total	7	15272	0	364			

Year: 2001

Pool Name: BASIN DAKOTA (PRORATED GAS)

Month	Oil(BBLS)	Gas(MCF)	Water(BBL Days	Prod	Accum.	Oil Accum.	Gas(MCF)
January	5	1226	0	31	748	620827	
February	2	1000	0	28	750	621827	
March	1	1100	0	31	751	622927	
April	2	1051	0	30	753	623978	
May	1	1077	0	31	754	625055	
June	0	1620	0	30	754	626675	
July	0	302	0	15	754	626977	
August	12	1140	8	31	766	628117	
September	6	1085	9	12	772	629202	
October	3	1125	3	31	775	630327	
November	10	1080	4	30	785	631407	
December	2	1113	0	31	787	632520	
Total	44	12919	24	331			

Pool Name: BLANCO-MESAVERDE (PRORATED GAS)

Month	Oil(BBLS)	Gas(MCF)	Water(BBL Days	Prod	Accum.	Oil Accum.	Gas(MCF)
January	0	0	0	0	787	632520	
February	0	0	0	0	787	632520	
March	0	0	0	0	787	632520	
April	0	0	0	0	787	632520	
May	0	0	0	0	787	632520	
June	0	0	0	0	787	632520	
July	0	3205	0	5	787	635725	
August	244	22529	152	31	1031	658254	
September	110	17287	141	12	1141	675541	
October	40	17532	52	31	1181	693073	
November	135	14217	56	30	1316	707290	
December	27	12984	0	31	1343	720274	
Total	556	87754	401	140			

Well: WILCH A No.: 2  
 Operator: BP AMERICA PRODUCTION COMPANY API: 30-045-23344  
 Township: 29.0N Range: 08W  
 Section: 25 Unit: B  
 Land Type: F County: San Juan

Year: 2002

Pool Name: BASIN DAKOTA (PRORATED GAS)

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Prod	Accum. Oil	Accum. Gas(MCF)
January	0	0	0	0	1343	720274
February	3	998	2	28	1346	721272
March	0	0	0	0	1346	721272
April	0	0	0	0	1346	721272
May	0	0	0	0	1346	721272
June	0	0	0	0	1346	721272
July	0	0	0	0	1346	721272
August	0	0	0	0	1346	721272
September	0	0	0	0	1346	721272
October	0	0	0	0	1346	721272
November	0	0	0	0	1346	721272
December	0	0	0	0	1346	721272
Total	3	998	2	28		

Pool Name: BLANCO-MESAVERDE (PRORATED GAS)

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Prod	Accum. Oil	Accum. Gas(MCF)
January	0	10471	0	31	1346	731743
February	29	11362	28	28	1375	743105
Total	29	21833	28	59		