

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



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 Hughes						Well Number 5E		API Number 30-045-25188	
UL N	Section 20	Township 29N	Range 08W	Feet From The 1070	North/South Line South	Feet From The 1710	East/West Line West	County San Juan	

II. Workover

Date Workover Commenced: 08/02/2001	Previous Producing Pool(s) (Prior to Workover): Basin Dakota
Date Workover Completed: 08/15/2001	

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:

- I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
- I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
- 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

Notary Public Patricia Bogg Disena

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 8-15, 2001.

Signature District Supervisor <u>Charlie H</u>	OCD District <u>AZtec III</u>	Date <u>6-21-2002</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMSF - 078046

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			Contact: MARY CORLEY E-Mail: corleyml@bp.com		
3. Address P.O. BOX 3092 HOUSTON, TX 77253			3a. Phone No. (include area code) Ph: 281.366.4491 Fx: 281.366.0700		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESW Lot N 1070FSL 1710FWL At top prod interval reported below At total depth			8. Lease Name and Well No. HUGHES 5E		
			9. API Well No. 30-045-25188		
			10. Field and Pool, or Exploratory BLANCO MESAVERDE		
			11. Sec., T., R., M., or Block and Survey or Arca Sec 20 T29N R8W Mer NMP		
			12. County or Parish SAN JUAN		13. State NM
14. Date Spudded 01/17/1982		15. Date T.D. Reached 01/25/1982		16. Date Completed <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod. 08/15/2001	
17. Elevations (DF, KB, RT, GL)* 6458 GL					
18. Total Depth: MD TVD 7650		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 Sks. & Type of Cement	Slurry Vol. (BBL)	Casing Top*	Amount Pulled
12.250	9.625	36.000		296		225			
8.750	7.000	23.000		3670		400			
6.250	4.500	11.000	3496	7650		500			

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	7341							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
MESAVERDE	4658	5454	4658 TO 5454	3.130	73	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5206 TO 5454	80,000LBS 16/30 ARIZONA SAND & 70% FOAM & N2
4658 TO 5117	80,000LBS 16/30 ARIZONA SAND & 70% FOAM & N2(2)

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
08/10/2001	08/10/2001	12	→	1.0	950.0	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	
		220.0	→					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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

NOV 06 2001

FARMINGTON FIELD OFFICE

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

ELECTRONIC SUBMISSION #6479 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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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	4658	5454		OJO ALAMO KIRTLAND FRUITLAND PICTURED CLIFFS LEWIS CLIFFHOUSE MENELEE POINT LOOKOUT MANCOS GALLUP GRANEROS DAKOTA	1985 2135 2880 3060 3170 4655 4814 5280 5456 6498 7294 7346

32. Additional remarks (include plugging procedure):

Well has been completed into the Mesaverde and downhole commingled with the existing Dakota completion. Please see attache recompletion and downhole commingling subsequent report.

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 #6479 Verified by the BLM Well Information System for AMOCO PRODUCTION COMPANY.
Sent to the Farmington. Committed to AFMSS for processing by Maurice Johnson on 08/23/2001 ()

Name (please print) MARY CORLEYTitle AUTHORIZED REPRESENTATIVE

Signature _____

Date 08/16/2001

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.

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HUGHES 5E
RECOMPLETION & DOWNHOLE COMMINGLING SUBSEQUENT REPORT
07/23/2001

08/02/2001 MIRUSU @ 12:00 hrs. NDWH & NU BOP's. Unseat TBG hanger. TOH W/TBG.

08/06/2001 TIH & set a CIBP @ 5600'. Load hole w/2% KcL water. Pressure tested CSG to 2500#. Held Ok. RU & run GR log. RU & Perf Point Lookout & Lower Menefee: 3.125 inch diameter

Lower Menefee perforations, 2 spf, 120° phasing (2 shots/ 4 holes):

5206', 5214'

Upper Point Lookout Perforations, 1 spf, 120° phasing (13 shots/ 13 holes):

5252', 5258', 5262', 5272', 5282', 5288', 5292', 5300', 5304', 5308', 5315', 5325', 5331'

Lower Point Lookout Perforations, 2 spf, 120° phasing (12 shots/ 24 holes):

5346', 5351', 5360', 5367', 5380', 5390', 5396', 5409', 5430', 5442', 5450', 5454'

08/07/2001 RU & Frac w/80,000# of 16/30 Arizona Sand & 70% Foam & N2. RU & TIH w/CIBP & set @ 5140'. RU & Perf Cliffhouse & Upper Menefee: 3.125 inch diameter

Cliffhouse Perforations, 1 spf, 120° phasing (18 shots/ 18 holes):

4658', 4663', 4688', 4694', 4707', 4713', 4719', 4735', 4740', 4746', 4753', 4768', 4773', 4776', 4781', 4791', 4798', 4802'

Menefee Perforations, 2 spf, 120° phasing (12 shots/ 24 holes):

4820', 4839', 4905', 4912', 4960', 4995', 5002', 5030', 5065', 5096', 5110', 5117'

RU & Frac w/80,000# of 16/30 Arizona Sand & 70% Foam & N2. RU & Flow back well thru $\frac{1}{4}$ " choke all night.

08/08/2001 Flowback well thru $\frac{1}{4}$ " choke. At 07:30 hrs upsized to $\frac{1}{2}$ " choke. @ 14:00 hrs Upsized to $\frac{3}{4}$ " choke & flowback overnight.

08/09/2001 TIH & tag fill @ 5100'. Circ hole clean to top of CIBP set @ 5140'. DO CIBP. TIH & circ clean to top of CIBP set @ 5600'. PU above TOL & flowed back well thru $\frac{3}{4}$ " choke.

08/10/2001 TIH & tagged fill @ 5590'. Circ hole clean to top of CIBP set @ 5600'. DO CIBP. Circ hole clean to PBTD @ 7638' PU above TOL flow test well 12 hrs. thru $\frac{3}{4}$ " choke. 950 MCF Gas, Trace WTR, Trace oil.

08/13/2001 TIH & circ clean to PBTD. PU above TOL & flow back thru 3" lines. TIH & found 0 fill. PU above TOL & SDFN.

08/14/2001 TIH & check for fill, found 0 fill. TOH. TIH W/production TBG @ land 7341'. ND BOP's & NUWH. Pull TBG plug.

08/15/2001 RDMOSU. Rig Release @ 12:00 hrs.

Well: HUGHES No.: 005E
 Operator: BP AMERICA PRODUCTION COMPANY API: 30-045-25188
 Township: 29.0N Range: 08W
 Section: 20 Unit: N
 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	1515	0	31	695 528387
February	2	1336	0	29	697 529723
March	1	1312	0	31	698 531035
April	2	1201	0	30	700 532236
May	0	1239	0	31	700 533475
June	0	1113	0	25	700 534588
July	0	1350	0	31	700 535938
August	2	1298	0	31	702 537236
September	0	1154	0	30	702 538390
October	0	1411	0	31	702 539801
November	1	1391	0	30	703 541192
December	0	1386	0	31	703 542578
Total	8	15706	0	361	

Year: 2001

Pool Name: BASIN DAKOTA (PRORATED GAS)

Month	Oil(BBLS)	Gas(MCF)	Water(BBL Days Prod)	Accum. Oil	Accum. Gas(MCF)
January	4	1212	0	31	707 543790
February	0	909	0	28	707 544699
March	0	1297	0	31	707 545996
April	0	1233	0	28	707 547229
May	1	991	0	31	708 548220
June	0	610	0	30	708 548830
July	2	695	0	31	710 549525
August	0	698	3	16	710 550223
September	5	1236	10	30	715 551459
October	15	1276	7	31	730 552735
November	18	1231	6	30	748 553966
December	0	1252	17	31	748 555218
Total	45	12640	43	348	

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	748 555218
February	0	0	0	0	748 555218
March	0	0	0	0	748 555218
April	0	0	0	0	748 555218
May	0	0	0	0	748 555218
June	0	0	0	0	748 555218
July	0	0	0	0	748 555218
August	0	10437	52	16	748 565655
September	80	15535	120	30	828 581190
October	173	14300	73	31	1001 595490
November	190	13232	64	30	1191 608722
December	2	12140	163	31	1193 620862
Total	445	65644	472	138	

Well: HUGHES No.: 005E
 Operator: BP AMERICA PRODUCTION COMPANY API: 30-045-25188
 Township: 29.0N Range: 08W
 Section: 20 Unit: N
 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	6	1249	9	31	1199	622111
February	7	1113	3	28	1206	623224
March	0	0	0	0	1206	623224
April	0	0	0	0	1206	623224
May	0	0	0	0	1206	623224
June	0	0	0	0	1206	623224
July	0	0	0	0	1206	623224
August	0	0	0	0	1206	623224
September	0	0	0	0	1206	623224
October	0	0	0	0	1206	623224
November	0	0	0	0	1206	623224
December	0	0	0	0	1206	623224
Total	13	2362	12	59		

Pool Name: BLANCO-MESAVERDE (PRORATED GAS)

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Prod	Accum. Oil	Accum. Gas(MCF)
January	57	11319	81	31	1263	634543
February	60	9148	27	28	1323	643691
Total	117	20467	108	59		