

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT--" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ OIL  
WELL

☒ GAS  
WELL

☐ OTHER

2. Name of Operator

**Amoco Production Company**

**Mary Colley**

3. Address and Telephone No.

**P.O. Box 3092 Houston, TX 772533**

**(281) 366-4491**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**1070' FSL & 1710' FWL Sec. 20 T29N R8W Unit N**

5. Lease Designation and Serial No.

**SF 078046**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

**Hughes 5E**

9. API Well No.

**30-045-25188**

10. Field and Pool, or Exploratory Area  
**Blanco Mesaverde Basin  
Dakota**

11. County or Parish, State

**San Juan New Mexico**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☒ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection

**Add Mesaverde & Downhole Commingle**

(Note: Report results of multiple completion on Well Completion or  
Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Amoco Production Company request permission to complete the subject well into the Blanco Mesaverde and commingle production downhole with the existing Basin Dakota Pool as per the attach procedure.

The Basin Dakota (71599) & the Blanco Mesaverde (72319) Pools are Pre-Approved Pools for Downhole Commingling. NMOCD order R-11363.

The working, overriding, and royalty interest owners in the proposed commingled pools are identical, therefore, no notification of this application need be submitted via certified mail (return receipt).

Production is proposed to be allocated based on the subtraction method using the projected future decline for production from the Dakota. That production shall serve as a base for production subtracted from total production for the commingled well. The balance of the production will be attributed to the Blanco Mesaverde. Attached is the future production decline estimate for the Dakota.

Commingling Production Downhole in the subject well from the proposed pools with not reduce the value of the total remaining production.

14. I hereby certify that the foregoing is true and correct

Signed

*Mary Colley*

Title **Sr.Regulatory Analyst**

Date **08/24/00**

(This space for Federal or State office use)

Approved by

*Ernest G. Smith*

Title

*Engineer*

Date

**DEC 14**

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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.

\*See Instructions On Reverse Side

**NMOCD**

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240  
DISTRICT II  
311 South First., Artesia, NM 88210  
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410  
DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**  
2040 South Pacheco  
Santa Fe, New Mexico 87505

Form C-102  
Revised October 18, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

200 NOV 22 11 2 54  
OFFICE OF THE DISTRICT CLERK  
SANTA FE, N.M.

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-045-25460	Pool Code 71599 & 72319	Pool Name Basin Dakota & Blanco Mesaverde
Property Code 000698	Property Name Hughes	Well Number 5E
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 6458' GR

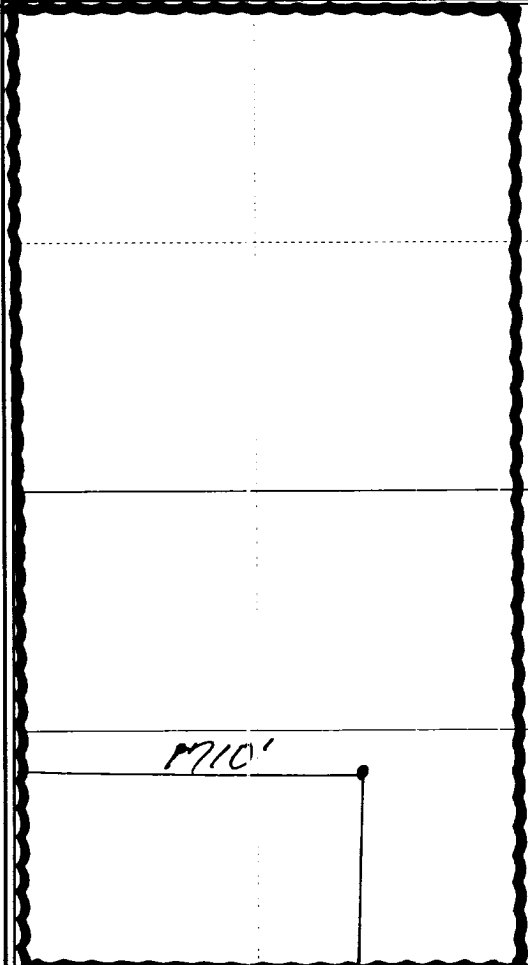

**Surface Location**

UL or lot no. UNIT N	Section 20	Township 29N	Range 8W	Lot. Idn	Feet from the 1070'	North/South Line SOUTH	Feet from the 1710'	East/West Line WEST	County San Juan
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**Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
Dedicated Acreage: 320		Joint or Infill	Consolidation Code		Order No.				

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

	<b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i> Signature:  Printed Name: Mary Corley Position: Sr. Regulatory Analyst Date: 08/24/2000
	<b>SURVEY CERTIFICATION</b> <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</i> 07/14/1981
	Date of Survey
	Signature & Seal of Professional Surveyor Fred B Kerr Jr
Certificate No. 3950	

## Hughes #5E Recompletion Procedure

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### Procedure:

1. Check anchors. MIRU.
2. Check and record tubing, casing, and bradenhead pressures.
3. Blow down well. If necessary, kill with 2% KCL water.
4. Nipple down WH. NU BOPs
5. Tag and tally OH with 2-3/8" production tubing set at 7574'.
6. TIH with bit and scraper for 4-1/2" casing to 5650'.
7. TIH with tubing-set CIBP. Set CIBP at 5650'. Load hole with 2% KCL. TOH.  
*Note: No CBL will be run on this well. Original cmt job on 4-1/2" liner had good circulation throughout the job and 20 bbls of preflush were reversed off the liner top. A trace of cement was also reversed off the liner top indicating a good cement job.*
8. Pressure test casing to 1500 psi.
9. RIH with 3-1/8" casing guns. Perforate Lower Menefee/Point Lookout formation  
5205', 5215', 5238', 5255', 5272', 5284', 5290', 5300', 5308', 5315',  
5322', 5330', 5348', 5360', 5368', 5378', 5390', 5410', 5430', 5450'
10. RU frac equipment and install wellhead isolation tool. Use 2% KCL/N2 foam in fracture stimulation.
11. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
12. Immediately after frac job, RU WL unit and lubricator.
13. RIH and set CIBP between Menefee and Point Lookout at 5140'.
14. RIH with 3-1/8" casing guns. Perforate Menefee formation.  
4904', 4910', 4948', 4955', 4960', 4990', 4995', 5005', 5015', 5025',  
5045', 5065', 5075', 5088', 5110', 5115'
15. RU frac equipment and install wellhead isolation tool. Use 2% KCL/N2 foam in fracture stimulation.
16. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
17. Immediately after frac job, RU WL unit and lubricator.
18. RIH and set CIBP between Cliffhouse and Menefee at 4830'.
19. RIH with 3-1/8" casing gun. Perforate Cliffhouse formation.  
4655', 4660', 4670', 4680', 4688', 4692', 4705', 4713', 4720', 4735', 4740',  
4745', 4750', 4770', 4775', 4782', 4788', 4795', 4809', 4820'