

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

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 2 M

9. API Well No.

30-045-23341

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

11. County or Parish, State

San Juan New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well

☐ OIL  
WELL

☒ GAS  
WELL

☐ OTHER

2. Name of Operator

Amoco Production Company

Mary Corley

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)

2440' FNL & 1770' FEL Sec. 21 T29N R8W Unit G

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

Sidetrack downhole

(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 plug and abandon the existing Mesaverde completion and sidetrack downhole into the Mesaverde in the subject wellbore as per the attached procedure.



01/17/00  
10:15 AM  
FEB 1 2000  
OIL CON. DIV  
DIST. 3

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

Signed

*Mary Corley*

Title Sr. Business Analyst

Date

01/17/00

(This space for Federal or State office use)

Approved by

/s/ Charlie Speecham

Title

Date

FEB 1 2000

Conditions of approval, if any:

*chsc*

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

20 JUN 18 11 59 AM '00  
OIL CONSERVATION DIVISION

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	30-045-23341	Pool Code	72319	Pool Name	Blanco Mesaverde
Property Code	000698	Property Name	Hughes	Well Number	2M
OGRID No.	000778	Operator Name	AMOCO PRODUCTION COMPANY	Elevation	5424' GR

Surface Location

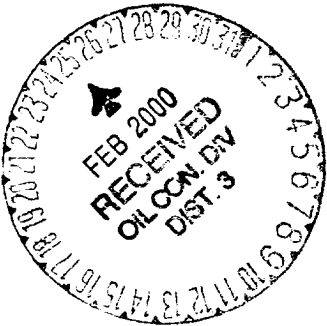
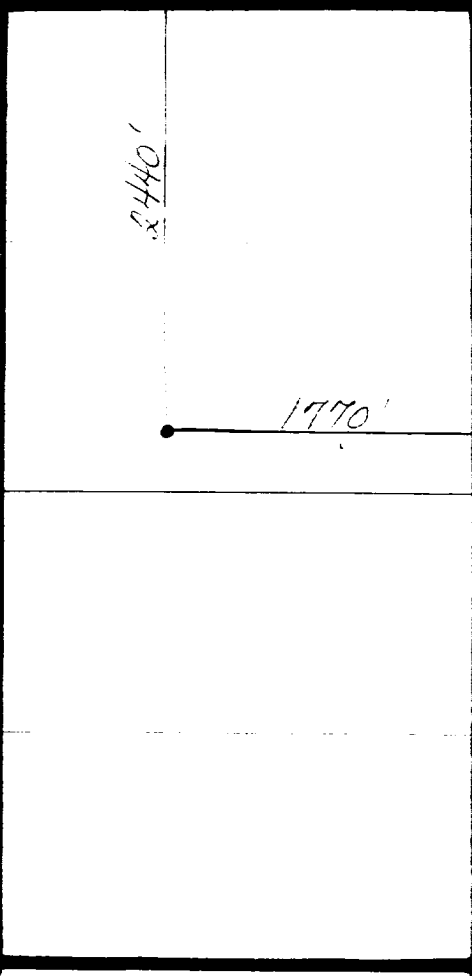
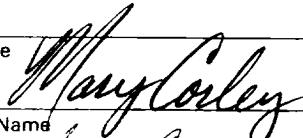
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
UNIT G	21	29N	8W		2440'	NORTH	17700'	EAST	San Juan

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
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Dedicated Acreage:	Joint or Infill	Consolidation Code	Order No.
320			

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>
		<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Signature </p> <p>Printed Name MARY COOLEY</p> <p>Position Sr. Business Analyst</p> <p>Date 01/17/2000</p>
		<b>SURVEY CERTIFICATION</b>
		<p>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.</p> <p>12/22/1978</p> <p>Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p>Fred B. Kerr, Jr.</p> <p>Certificate No. 3950</p>

## **Hughes #2M Sidetrack Procedure**

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### **Abandonment Operations**

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. ND wellhead.
5. NU BOPs and manifold.
6. TIH with 2-3/8" production tbg to 6550'. Load the hole below the MV perfs. Spot 75' cement plug over Gallup interval.
7. TOH with 2-3/8" tbg.
8. TIH with 4-1/2" CIBP on tubing and set at 4650'. PU and spot 75' cement plug on top of CIBP. TOH.
9. TIH with 7" CIBP and set at 3290'.
10. TOH and LD 2-3/8" tbg. Send production tbg to yard (tbg will be rerun after completion operations).

### **Whipstock Operations**

1. TIH with 1-trip sidetracking system (5" drill collars and 3-1/2" drillpipe).
2. Orient whipstock at 3290'.
3. Set anchor and shear off.
4. Mill window and drill rathole.
5. TOH and LD milling assembly.

### **Directional Drilling Operations**

1. PU air motor MWD/steering tool and BHA.
2. TIH and kick off well at N90°E azimuth.

3. Drill and build angle to 15° at 4°/100' (3690' md end of build).
4. TOH and PU air hammer and slick BHA.
5. TIH and drill to TD @ 5650' tvd.
6. TOH and PU 4-1/2" casing (long string).
7. TIH with casing and cement 4-1/2" casing back into the 7" casing with a planned TOC at 3000'. Run temperature survey approx. 12 hrs after cementing to verify cement coverage across MV interval.
8. Displace wellbore to 2% KCL fluid.
9. Pressure test casing to casing to 3000 psi.

#### **Completion Operations**

1. RU WL. Run Gamma Ray from 4500' tvd - TD.
2. Perforate MV interval (offset MV interval 4680' - 5380'). Actual perforation depths and frac stages will be determined from gamma ray log in the sidetrack hole.
3. Fracture stimulate MV with 70Q N2 foam.
4. Rerun 2-3/8" tubing and land at the bottom perforation (approximately 5370', based on offset Hughes #2M log).
5. ND BOPs. NU wellhead.
6. Return well to production.

Hughes #2M  
Sec 21, T29N R8W

GL: 6464'

History:

Drilled in 10/79

- Drilled with mud to Dak  
due to gas and oil production  
in MV

Recompleted to MV in 3/95

Mesa Verde Completion

4680' - 4760' (92 shots)  
4797' - 4886' (120 shots)  
5290' - 5368' (124 shots)

Dakota Completion

7342' - 7562' (60 shots)  
7614' - 7630' (32 shots)

est. TOC @ surface (circ)

9-5/8" 36#, K55 @ 227'  
200 sxs cmt (circulated)

TOC est @ 1850 (CBL 3/21/95)

Top of 4-1/2" liner @ 3320'

7" 23#, K55 @ 3500'  
425 sacks cmt

Tubing: 2-3/8" 4.7#, J55 @ 5350'

est TOC @ liner top (method unknown)

50' cmt on top of plug, TOC @ 7192'  
CIBP @ 7242'

4-1/2" liner, 10.5#, K55 @ 7660'  
360 sacks cmt

PBTD: 7660'

**Notes:**

- Heavy oil and gas flows encountered in MV while drilling  
required drilling with mud to Dakota formation

updated: 12/13/99 jad