

District I
PO Box 1980, Hobbs, NM 88241-1980

District RC
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Oil, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-104
Revised February 10, 1994

Instruction on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator Name and Address ARCH PETROLEUM INC. 10 DESTA DRIVE, STE. 420E Midland, TX 79705		² OGRID Number 000962	
⁴ API Number 30-025-23494		³ Reason for Filing Code	
⁷ Property Code 014920		⁶ Pool Code 49210	
⁸ Property Name MATTERN		⁹ Well Number 1	

II. ¹⁰ Surface Location

UI or Lot. No. L	Section 30	Township 21	Range 37E	Lot Idn.	Feet from the 1650	North/South Line SOUTH	Feet from the 660	East/West Line WEST	County LEA
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¹¹ Bottom Hole Location

UI or Lot. No.	Section	Township	Range	Lot Idn.	Feet from the	North/South Line	Feet from Line	East/West Line	County
¹² Lse Code P	¹³ Producing Code P	¹⁴ Gas Date 3/23/96	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
015694	NAVAJO REFINING CO. PL. DIVISION DR. 159 ARTESIA, NM 88210	735310	O	
024650	WARREN PETROLEUM CO. P. O. BOX 1589 TULSA, OK 74102	735330	G	

IV. Produced Water

²³ POD 735350	²⁴ POD ULSTR Location and Description
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V. Well Completion Data

²⁵ Spud Date 3/18/96	²⁶ Ready Date 3/23/96	²⁷ TD 5975'	²⁸ PBTD 5450'	²⁹ Perforations 5163'-5243'
³⁰ Hole Size 17-1/2"	³¹ Casing & Tubing Size 12-3/4"	³² Depth Set 309'	³³ Sacks Cement 250 SX.	
11"	8-5/8"	2680'	350 SX.	
7-5/8"	5-1/2"	5975'	450 SX.	

VI. Well Test Data

³⁴ Date New Oil 3/23/96	³⁵ Gas Delivery Date 3/23/96	³⁶ Test Date 3/28/96	³⁷ Test Length 24	³⁸ Tbg. Pressure 40	³⁹ Csg. Pressure 40
⁴⁰ Choke Size 12	⁴¹ Oil	⁴² Water 247	⁴³ Gas 13	⁴⁴ AOF	⁴⁵ Test Method P

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Bobbie Brooks*

Printed Name:
BOBBIE BROOKS

Title:
PRODUCTION ANALYST

Date:
APRIL 8, 1996

Phone:
915-685-1961

OIL CONSERVATION DIVISION

Approved by:

Orig. Signed by
Paul Kautz
Geologist

Title:

Approved Date:

APR 11 1996

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

22.	The ULSTR location of this POD if it is different from the well completion location and a short description of the POD (Example: "Battery A", "Jones CPD", etc.)	
23.	The POD number of the storage from which water is moved from this property. If this is a new well or recompletion and this POD has no number the district office will assign a number and write it here.	
24.	The ULSTR location of this POD if it is different from the well completion location and a short description of the POD (Example: "Battery A Water Tank", "Jones CPD Water Tank", etc.)	
25.	MO/D/A/R drilling commenced	
26.	MO/D/A/R this completion was ready to produce	
27.	Total vertical depth of the well	
28.	Plugback vertical depth	
29.	Top and bottom perforation in this completion or casing shoe and TD if openhole	
30.	Inside diameter of the well bore	
31.	Outside diameter of the casing and tubing	
32.	Depth of casing and tubing. If a casing liner show top and bottom.	
33.	Number of sacks of cement used per casing string	
34.	The following test data is for an oil well it must be from a test conducted only after the total volume of load oil is recovered.	
35.	MO/D/A/R that new oil was first produced	
36.	MO/D/A/R that gas was first produced into a pipeline	
37.	Length in hours of the test	
38.	Flowing tubing pressure - oil wells	
39.	Shut-in tubing pressure - gas wells	
40.	Flowing casing pressure - oil wells	
41.	Shut-in casing pressure - gas wells	
42.	Diameter of the choke used in the test	
43.	Barrels of oil produced during the test	
44.	Barrels of water produced during the test	
45.	MCF of gas produced during the test	
46.	Gas well calculated absolute open flow in MCF/D	
47.	The method used to test the well: F Flowing P Pumping S Swabbing U Ute Mountain Ute N Navajo J Jicarilla F Federal S State P Lease The producing method code from the following table: I Other Indian Tribe U Ute Mountain Ute N Navajo J Jicarilla F Federal S State P Lease The permit number from the District approved C-129 for MO/D/A/R that this completion was first connected to a gas transporter 15. The permit number from the District approved C-129 for MO/D/A/R of the C-129 approval for this completion 16. MO/D/A/R of the C-129 approval for this completion 17. MO/D/A/R of the expiration of C-129 approval for this completion 18. The gas or oil transporter's OGRID number 19. Name and address of the transporter of the product 20. The number assigned to the POD from which this product will be transported by this transporter. If this is a new well or recompletion and this POD has no number the district office will assign a number and write it here. 21. Product code from the following table: O Oil G Gas	

THIS IS AN AMENDED REPORT. CHECK THE BOX LABELED
AMENDED REPORT AT THE TOP OF THIS DOCUMENT

Report all gas volumes at 15.025 PSIA at 60°.

request for allowable for a newly drilled or deepened well must be accompanied by a description of the deviation tests conducted in accordance with Rule 119.

All sections of this form must be filled out for allowable requests on new and recompleted wells.

All out only sections I, II, III, IV, and the operator certificates for changes of operator, property name, well number, transporter, or other such changes.

A separate C-104 must be filled for each pool in a multiple completion.

Improperly filled out or incomplete forms may be returned to operators unapproved.

Operator's name and address

Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.

Reason for filling code from the following table:
NW New Well
RC Recompletion
CH Change of Operator
AO Add oil/condensate transporter
CO Change oil/condensate transporter
AG Add gas transporter
CG Change gas transporter
RT Request for test allowable (include volume requested)

If for any other reason write that reason in this box.

The API number of this well

The name of the pool for this completion

The pool code for this pool

The property code for this completion

The property name (well name) for this completion

The well number for this completion

The surface location of this completion NOTE: If the United States government survey designates a Lot Number for this location use that number in the "UL or lot no." box. Otherwise use the OCD unit letter.

The bottom hole location of this completion

Lease code from the following table:
F Federal
S State
P Lease

The producing method code from the following table:
I Other Indian Tribe
U Ute Mountain Ute
N Navajo
J Jicarilla
F Federal
S State
P Lease

MO/D/A/R that this completion was first connected to a gas transporter

The permit number from the District approved C-129 for MO/D/A/R of the C-129 approval for this completion

MO/D/A/R of the expiration of C-129 approval for this completion

The gas or oil transporter's OGRID number

Name and address of the transporter of the product

The number assigned to the POD from which this product will be transported by this transporter. If this is a new well or recompletion and this POD has no number the district office will assign a number and write it here.

Product code from the following table:
O Oil
G Gas