

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
May 27, 2004

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

MAY 31 2005

**RECEIVED**  
**NON-ARTESIA**

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

Operator Name and Address BP AMERICA PRODUCTION COMPANY ATTN: SUE SELLERS, RM 6.115 P. O. BOX 3092, HOUSTON, TX 77253		OGRID Number 000778
Property Code 22054 29362		API Number 30-015-30334
Property Name WASHINGTON 33 STATE		Well No. 24
Proposed Pool 1 ARTESIA: QUEEN-GRAYBURG-SAN ANDRES		Proposed Pool 2

**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	33	17S	28E		330'	SOUTH	330'	WEST	EDDY

**Proposed 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

**Additional Well Information**

Work Type Code P	Well Type Code O	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3662'
Multiple NO	Proposed Depth 4150'	Formation ARTESIA: Q-G-S	Contractor	Spud Date 08/17/98
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	520'	325	SURFACE
7 7/8"	5 1/2"	15 5/17#	4150'	760	SURFACE

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

CURRENT PRODUCING FORMATION - ARTESIA: GLORIETA-YESO WITH PERFS @ 3714-3888 WHICH WAS COMPLETED 9/12/98.

TEMPORARY PLUG BACK - EST. START DATE: JUNE 10, 2005

SET RETRIEVAL BRIDGE PLUG @ 3000', TEST RBP FRAC VALUE & CASING TO 3000 PSI, PICKLE CASING W/500 GAL 15% HCL; PERFORATE AND BREAK DOWN WITH 15 BBLs. 2% KCL WATER 2030-2036' INTERVAL; MONITOR WELL PRESSURE OVERNIGHT; PERFORATE BOTTOM INTERVALS 2613-2619'; SET PACKER @ 2550' & BREAKDOWN THESE PERFS WITH 2% KCL WATER; REMOVE PACKER; FINISH UP WITH PERFORATING INTERVALS (2142-2148', 1888-1894', 1819-1825', 1558-1564', 1472-1478') 13 SHOTS @ 2 SPF 120 DEGREE PHASING; INSTALL 2<sup>ND</sup> 3K VALVES ON TUBING HEAD OUTLETS; PERFORM 2 DAY 7 STAGE FRAC WITH 273,000# OF 16/30 JORDAN SAND; RUN PRODUCTION TEST WITH TEST SEPARATOR.

(NOTE: ANTICIPATED PLANS ARE TO REMOVE RBP AND DOWN HOLE COMMINGLE THIS FORMATION WITH THE DEEPER, PREVIOUSLY PRODUCING FORMATION, ARTESIA: GLORIETA-YESO. CONTINGENT ON RECEIVING OCD APPROVAL.)

Santa Fe

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: SUE SELLERS

Title: REGULATORY STAFF ASSISTANT

E-mail Address: SUE.SELLERS@BP.COM

Date: 05/26/05

Phone: 281-366-2052

**OIL CONSERVATION DIVISION**

Approved by:

Title:

Approval Date:

Expiration Date:

JUN 13 2005

Conditions of Approval At

earthen pits are used in association with this work, an OCD pit permit must be obtained prior to pit construction.

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-30333	Pool Code 96830	Pool Name ARTESIA; GLORIETA-YESO
Property Code 22954	Property Name WASHINGTON 33 STATE	Well Number 23
OGRID No. 000990	Operator Name ARCO PERMIAN	Elevation 3671'

Surface Location

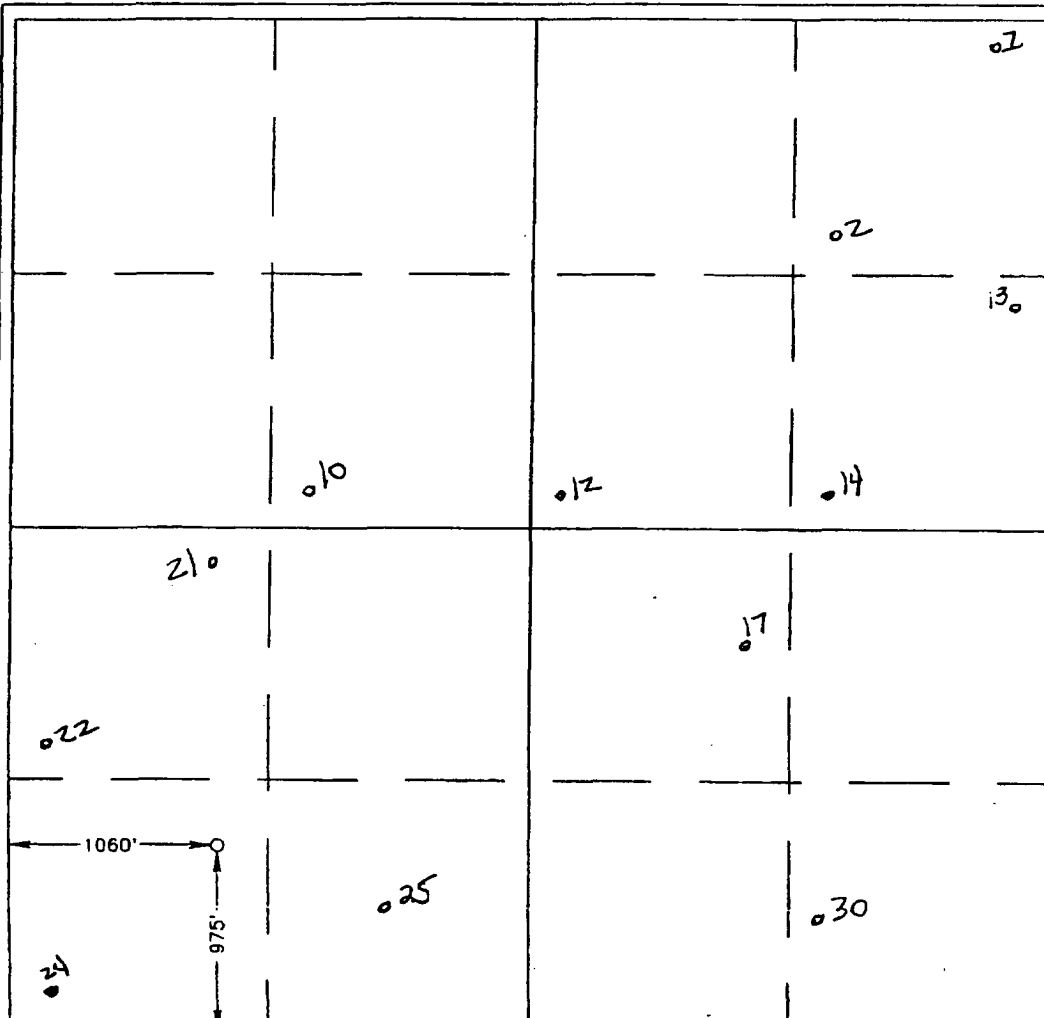
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	33	17 S	28 E		975	SOUTH	1060	WEST	EDDY

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 Acres 40	Joint or Infill	Consolidation Code	Order No.
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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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature LAURIE CHERRY Printed Name REC/COMP. Title 10-21-98 Date
<b>SURVEYOR CERTIFICATION</b> 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 belief. MARCH 3, 1998 Date Surveyed  Signature & Seal of Professional Surveyor NEW MEXICO 3239 3-05-98 3-11-03 Certification No. RONALD J. EDSON 3239 PROFESSIONAL SURVEYOR 12641

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DISTRICT IV  
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State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-10  
Revised February 10, 196  
Submit to Appropriate District Office  
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Fee Lease - 3 Copies

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name <b>ARTESIA (Q-G-5A)</b>
Property Code	Property Name <b>WASHINGTON 33 STATE</b>	Well Number <b>24</b>
OGRID No. <b>000990</b>	Operator Name <b>ARCO PERMIAN</b>	Elevation <b>3662'</b>

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	33	17 S	28 E		330	SOUTH	330	WEST	EDM

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 Acres	Joint or Infill	Consolidation Code	Order No.
40			

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OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	05	03	10
	06	04	02
07	09	011	013
08		012	014
021			
022			
023			

330'

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Laure Cherry*  
Signature  
**LAURIE CHERRY**  
Printed Name  
**REG. COMP. ASST.**  
Title  
**4/29/98**  
Date

SURVEYOR CERTIFICATION

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 belief.

APRIL 23, 1998

Date Surveyed  
Signature & Seal of  
Professional Surveyor  
**RONALD J. EIDSON**  
NEW MEXICO  
3239  
11-0636  
4-24-  
Certificate No. **RONALD J. EIDSON** 3239  
PROFESSIONAL SURVEYOR 126