



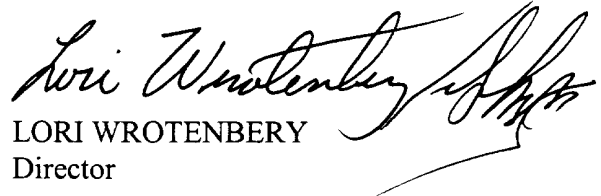
*Administrative Order DHC-2327*  
*ARCO Permian*  
*May 10, 1999*  
*Page 2*

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Pursuant to Rule 303.H., the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 10th day of May, 1999.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
LORI WROTENBERY  
Director

S E A L

LW/DRC

cc: Oil Conservation Division - Artesia  
State Land Office-Oil & Gas Division



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
DISTRICT II ARTESIA  
811 S. FIRST ST. ARTESIA, NM 88210  
(505) 748-1283  
FAX (505) 748-9720

Jennifer A. Salisbury  
CABINET SECRETARY

November 1, 1999

Arco Permian  
P.O. Box 1089  
Eunice, NM 88231

Re: **Well Placed In Pool**

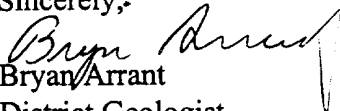
Gentlemen/Madams:

As the result of Division Order 11256, the following described oil well has been placed in the pool shown below. This change in nomenclature has been made in our files. Please change your records to reflect the proper pool name. All subsequent reports must show this nomenclature until further notice.

**Artesia, Glorieta-Yeso Oil Pool**  
**Washington '33 State # 28**  
**Unit O, Section 33, Township 17 South, Range 28 East, NMPM**  
**Poolcode: 3230**

Transporters are advised by copy of this letter, to change their records to reflect the pool name as established by this order, effective August 1, 1999.

Sincerely,

  
Bryan Arrant  
District Geologist

Cc: EOTT Energy Corporation  
ARCO  
Santa Fe  
Mae  
Well File

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

**OIL CONSERVATION DIVISION**  
**2040 South Pacheco**  
**Santa Fe, NM 87505**

Form C-104  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

<sup>1</sup> Operator name and Address ARCO Permian ✓ P.O. Box 1089 Eunice, NM 88231		<sup>2</sup> OGRID Number 000990
		<sup>3</sup> Reason for Filing Code DHC-2327 07/99
<sup>4</sup> API Number 30-0 30-015-22124	<sup>5</sup> Pool Name Artesia Glorietta Yeso	<sup>6</sup> Pool Code 96830
<sup>7</sup> Property Code 022954	<sup>8</sup> Property Name Washington 33 State	<sup>9</sup> Well Number 28

**II. <sup>10</sup> Surface Location**

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
0	33	17S	28E		313	S	2490	E	Eddy

**<sup>11</sup> Bottom Hole Location**

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
<sup>12</sup> Lse Code S	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

**III. Oil and Gas Transporters**

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> POD ULSTR Location and Description
037480	EOTT Energy Corporation P.O. Box 1660 Midland, TX 79702	2821618	0	
000990	ARCO Permian P.O. Box 1610 Midland, TX 79702	2821619	G	

**IV. Produced Water**

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description
2821620	

**V. Well Completion Data**

<sup>25</sup> Spud Date	<sup>26</sup> Ready Date	<sup>27</sup> TD	<sup>28</sup> PBSD	<sup>29</sup> Perforations	<sup>30</sup> DHC, DC, MC
	07/02/99	6362	5880	3782-3966	DHC-2327
<sup>31</sup> Hole Size	<sup>32</sup> Casing & Tubing Size	<sup>33</sup> Depth Set	<sup>34</sup> Sacks Cement		
	8-5/8	550	Post ID-2		
	5-1/2	6367	8-20-99		
	2-7/8	3962	comp		

**VI. Well Test Data**

<sup>35</sup> Date New Oil	<sup>36</sup> Gas Delivery Date	<sup>37</sup> Test Date	<sup>38</sup> Test Length	<sup>39</sup> Tbg. Pressure	<sup>40</sup> Csg. Pressure
07/02/99	07/02/99	07/27/99	24		
<sup>41</sup> Choke Size	<sup>42</sup> Oil	<sup>43</sup> Water	<sup>44</sup> Gas	<sup>45</sup> AOF	<sup>46</sup> Test Method
	12/72x	150	42/52x		

<sup>47</sup> 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:

*Kellie D. Murrish*

Printed name:

Kellie D. Murrish

Title:

Administrative Assistant

Date:

08/02/99

Phone:

505-394-1649

**OIL CONSERVATION DIVISION**

Approved by:

**ORIGINAL SIGNED BY TIM W. GUM**  
**DISTRICT II SUPERVISOR**

Title:

Approval Date:

8-4-99

<sup>47</sup> 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

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**

P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**

2040 Pacheco St.  
Santa Fe, NM 87505

Form C-105  
Revised 1-1-89

WELL API NO.

30-015-22124

5. Indicate Type Of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Washington 33 State

8. Well No.

28

9. Pool name or Wildcat

Artesia Glorietta Yeso

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:

NEW WELL ☐

WORK OVER ☐

DEEPEN ☐

PLUG BACK ☐

DIFF RESVR ☐

OTHER ☐

DH Comingle

2. Name of Operator

ARCO Permian

3. Address of Operator

P.O. Box 1089 Eunice, NM 88231

4. Well Location

Unit Letter 0 : 313 Feet From The S Line and 2490 Feet From The E Line

Section 33

Township 17S

Range 28E

NMPM

Eddy

County

10. Date Spudded

11. Date T.D. Reached

12. Date Compl.(Ready to Prod.)

07/02/99

13. Elevations(DF & RKB, RT, GR, etc.)

3661' GL

14. Elev. Casinghead

15. Total Depth

6362

16. Plug Back T.D.

5880

17. If Multiple Compl. How

Many Zones? 2

18. Intervals

Drilled By

Rotary Tools

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

2580-3074' San Andres, 3782-3966' Yeso

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

None

22. Was Well Cored

No

**CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	24	550			
5-1/2	14	6367			

**24. LINER RECORD**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8	3962	

**25. TUBING RECORD**

26. Perforation record (interval, size, and number)

3782-3966', 32 holes

27. ACID, SHOT, FRACTURE, CEMENT, SOEEZE, ETC.

DEPTH INTERVAL

3782-3966'

AMOUNT AND KIND MATERIAL USED

See Attached Detail

**28. PRODUCTION**

Date First Production

07/02/99

Production Method (Flowing, gas lift, pumping - Size and type pump)

pumping

Well Status (Prod. or Shut-in)

producing

Date of Test

07/27/99

Hours Tested

24

Choke Size

Prod'n For Test Period

Oil - Bbl.

12

Gas - MCF

42

Water - Bbl.

150

Gas - Oil Ratio

3500

Flow Tubing Press.

Casing Pressure

Calculated 24-Hour Rate

Oil - Bbl.

Gas - MCF

Water - Bbl.

Oil Gravity - API (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

sold

Test Witnessed By

30. List Attachments

none

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

*Kellie D. Murrish*

Printed Name

Kellie D. Murrish

Title

Admin. Asst.

Date

08/02/99



27. Acid, Shot, Fracture, Cement, Squeeze, Etc.  
Washington 33 State #28 – Yeso  
30-015-22124

Perf Yeso 3782-3966', 32 holes. PPI 3782-2966' w/2 bbls 15% HCL acid per setting. Frac down 3-1/2" tbg w/12,000 gals 25# viking gel & 26,952 gals 10# linear gel carrying 59,000# 20/40 brady sand & 6952 gals 10# linear gel carrying 17,000# 20/40 mesh resin coated sand.

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

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

**DISTRICT II**  
P.O. Drawer DD, Artesia, NM 88210

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

**OIL CONSERVATION DIVISION**

2040 Pacheco St.  
Santa Fe, NM 87505

WELL API NO.  
**30-015-22124**

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.  
**647-349 647-351**

7. Lease Name or Unit Agreement Name  
**Washington 33 State**

8. Well No.  
**28**

9. Pool name or Wildcat  
**Artesia Glorietta Yeso**

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
**3661' GL**

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator  
**ARCO Permian**

3. Address of Operator  
**P.O. Box 1089 Eunice, NM 88231**

4. Well Location  
Unit Letter **0** : **313** Feet From The **S** Line and **2490** Feet From The **E** Line  
Section **33** Township **17S** Range **28E** NMPM **Eddy** County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
**3661' GL**

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐  
OTHER: ☐

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☒ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: **DHC Yeso Production** ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

TD: 6362' PBD: 5880' PERFS: 2580-3074', 3782-3966'

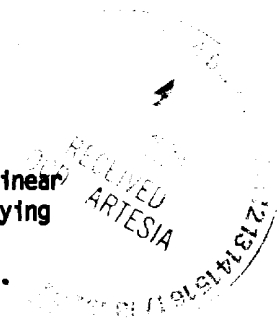
06/25/99: MIRUPU. POH w/equip. NUBOP.

06/28/99: Perf Yeso 3782-3966', 32 holes.

06/29/99: PPI 3782-3966' w/2 bbls 15% HCL acid per setting.

06/30/99: Frac down 3-1/2" tbg w/12,000 gals 25# Viking gel & 26,952 gals 10# Linear gel carrying 59,000# 20/40 Brady sand & 6952 gals 10# Linear gel carrying 17,000# 20/40 mesh resin coated sand.

07/02/99: RIH w/prod equip. 2-7/8" tbg set @ 3962'. Return well to production.



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

SIGNATURE Kellie D. Murrish TITLE Administrative Assistant DATE 08/02/99

TYPE OR PRINT NAME Kellie D. Murrish TELEPHONE NO. 505-394-1649

(This space for State Use)

APPROVED BY Jim W. Green DISTRICT SUPERVISOR 8-4-99

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

**DISTRICT I**

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

**DISTRICT II**

P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**

2040 Pacheco St.  
Santa Fe, NM 87505

WELL API NO.

30-015-22124

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

647-349 647-351

7. Lease Name or Unit Agreement Name

Washington 33 State

8. Well No.

28

9. Pool name or Wildcat

Artesia Glorietta Yeso

**SUNDRY NOTICES AND REPORTS ON WELLS**

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

2. Name of Operator

ARCO Permian

3. Address of Operator

P.O. Box 1089 Eunice, NM 88231

4. Well Location

Unit Letter 0 : 313 Feet From The S Line and 2490 Feet From The E Line

Section

33

Township

17S

Range

28E

NMPM

Eddy

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3661' GL

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK

☒

PLUG AND ABANDON

☐

TEMPORARILY ABANDON

☐

CHANGE PLANS

☐

PULL OR ALTER CASING

☐

OTHER: DHC Yeso Production

☐

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK

☐

ALTERING CASING

☐

COMMENCE DRILLING OPNS.

☐

PLUG AND ABANDONMENT

☐

CASING TEST AND CEMENT JOB

☐

OTHER:

☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

TD: 6362' PBD: 5845' PERFS: 2508-3074'

MIRU PU. POH w/rods & pmp. NU BOP. POH w/tbg.

RIH w/bit & scraper, tag to approx 4100', POH.

Perf Yeso interval 3782-3966', PPI yeso perfs.

Frac Yeso perfs down tbg. Force close well 1-1/2-2 BPM.

Set RBP above San Andres perfs approx 2400'.

Perf Shallow Sands interval 1567-2262'. Frac shallow sands perfs down csg.

Force Close well 1-1/2-2 BPM. Pull RBP's. RIH w/completion assembly. Return well to production.

Downhole Commingle Approved Administrative Order DHC-2327

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

SIGNATURE

*Kellie D. Murrish*

TITLE Administrative Assistant

DATE 06/08/99

TYPE OR PRINT NAME

Kellie D. Murrish

TELEPHONE NO. 505-394-1649

(This space for State Use)

APPROVED BY

*Jim W. Green*  
*BLP*

TITLE

*District Supervisor*

DATE

6-10-99

CONDITIONS OF APPROVAL, IF ANY:



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

ADMINISTRATIVE ORDER DHC-2327

ARCO Permian ✓  
P.O. Box 1610  
Midland, Texas 79702-1610

Attention: Ms. Elizabeth A. Casbeer



*Washington "33" State No. 28  
API No. 30-015-22124  
Unit O, Section 33, Township 17 South, Range 28 East, NMPM,  
Eddy County, New Mexico.  
Artesia Queen-Grayburg-San Andres (Oil - 3230), and  
Undesignated Glorieta-Yeso (Oil - N/A) Pools*

Dear Ms Casbeer:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such amendment pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303.C., the daily allowable producing rates from the well are hereby established as follows:

Oil 80 B/D

Gas N/A

Water 160 B/D

Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Artesia Queen-Grayburg-San Andres Pool	Oil-28%	Gas-48%
Undesignated Glorieta-Yeso Pool	Oil-72%	Gas-52%

REMARKS: The operator shall notify the Artesia District Office of the Division upon implementation of the commingling process.

*Administrative Order DHC-2327*

*ARCO Permian*

*May 10, 1999*


*Page 2*

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Pursuant to Rule 303.H., the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 10th day of May, 1999.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
LORI WROTENBERY  
Director

S E A L

LW/DRC

cc: Oil Conservation Division - Artesia /  
State Land Office-Oil & Gas Division