

CMD : ONGARD 01/10/04 13:02:23
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TPED

API Well No : 30 25 31759 Eff Date : 06-01-2001 WC Status : A
Pool Idn : 34220 JUSTIS;BLINEBRY-TUBB-DRINKARD
OGRID Idn : 155453 HENRY PETROLEUM CORPORATION
Prop Idn : 28543 SOUTH JUSTIS UNIT

Well No : 202
GL Elevation: 3084

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	: E	24	25S	37E	FTG 1450 F N FTG	330 F W	A

Lot Identifier:
Dedicated Acre:
Lease Type : P
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF12 NXTREC

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, 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-104A
March 19, 2001

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

Submit 1 copy of the final affected wells
list along with 1 copy of this form per
number of wells on that list to
appropriate District Office

Change of Operator

Previous Operator Information:

OGRID: 000990
Name: ARCO PERMIAN
Address: P.O. Box 1610
Address: _____
City, State, Zip: MIDLAND, TX, 79702

New Operator Information:

Effective Date: 06/01/2001
New Ogrid: 155453
New Name: Henry Petroleum LP
Address: 3525 Andrews Highway
Address: Suite 200
City, State, Zip: Midland TX 79703-5000

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator
Signature: Roy R. Johnson

Printed name: Roy R. Johnson

Title: Regulatory Tech.

Date: 05/18/01 Phone: (915) 694-3000

Previous operator complete below:

Previous
Operator: ARCO PERMIAN
Previous
OGRID: 000990
Signature: Jeff Robinson
Printed Name: JEFF ROBINSON

NMOCD Approval	
Signature:	<u>Paul F. Kautz</u>
Printed Name:	<u>PAUL F KAUTZ</u>
District:	<u>Geological</u>
Date:	<u>JUL 16 2001</u>

WELLS INVOLVED IN OPERATOR CHANGE
FINAL LIST WITH C-104A

JUL 16, 2001

This is a final list of wells being transferred. If all bonding requirements are satisfied, submit this list to the OCD District with your C-104A.

PREVIOUS OPERATOR: 990 ARCO PERMIAN

NEW OPERATOR: _____

OCD DISTRICT: HOBBS

PROP- ERTY WELL NAME	ULSTR	OCD UNIT LTR API	WELL TYPE	POOL ID	POOL NAME	LAST PROD/INJ
28543 1496 SOUTH JUSTIS UNIT #020	G-24-258-37E	G	30-025-11737	O 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	04-2001
SOUTH JUSTIS UNIT #020	F-24-258-37E	F	30-025-22742	O 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	04-2001
SOUTH JUSTIS UNIT #020	H-24-258-37E	H	30-025-32306	O 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	11-2000
SOUTH JUSTIS UNIT #021	L-24-258-37E	L	30-025-11718	O 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	04-2001
SOUTH JUSTIS UNIT #021	K-24-258-37E	K	30-025-11734	O 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	04-2001
SOUTH JUSTIS UNIT #021	J-24-258-37E	J	30-025-11743	O 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	04-2001
SOUTH JUSTIS UNIT #021I	I-24-258-37E	I	30-025-11740	O 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	11-2000
SOUTH JUSTIS UNIT #022	M-24-258-37E	M	30-025-11720	O 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	04-2001
SOUTH JUSTIS UNIT #022	O-24-258-37E	O	30-025-11738	O 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	04-2001
SOUTH JUSTIS UNIT #022	P-24-258-37E	P	30-025-11741	O 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	04-2001
SOUTH JUSTIS UNIT #022	N-24-258-37E	N	30-025-11747	O 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	04-2001
SOUTH JUSTIS UNIT #190	D-24-258-37E	D	30-025-31860	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	11-2000
SOUTH JUSTIS UNIT #190	C-24-258-37E	C	30-025-31868	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	03-1999
SOUTH JUSTIS UNIT #190	B-24-258-37E	B	30-025-31938	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	10-2000
SOUTH JUSTIS UNIT #192	C-24-258-37E	C	30-025-31867	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	11-2000
SOUTH JUSTIS UNIT #194	B-24-258-37E	B	30-025-32409	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	11-2000
SOUTH JUSTIS UNIT #200	E-24-258-37E	E	30-025-31827	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	11-2000
SOUTH JUSTIS UNIT #200	G-24-258-37E	G	30-025-31941	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	11-2000
SOUTH JUSTIS UNIT #200	I-24-258-37E	I	30-025-32353	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	11-2000
SOUTH JUSTIS UNIT #200F	F-24-258-37E	F	30-025-31939	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	10-2000
SOUTH JUSTIS UNIT #201	E-24-258-37E	E	30-025-11751	O 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	04-2001
SOUTH JUSTIS UNIT #202	E-24-258-37E	E	30-025-31759	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	10-2000
SOUTH JUSTIS UNIT #210	L-24-258-37E	L	30-025-31828	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	10-2000
SOUTH JUSTIS UNIT #210	J-24-258-37E	J	30-025-31964	O 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	11-2000
SOUTH JUSTIS UNIT #210	I-24-258-37E	I	30-025-32354	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	11-2000
SOUTH JUSTIS UNIT #210K	K-24-258-37E	K	30-025-31937	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	10-2000
SOUTH JUSTIS UNIT #212	L-24-258-37E	L	30-025-31804	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	10-2000
SOUTH JUSTIS UNIT #220	P-24-258-37E	P	30-025-11745	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	11-2000
SOUTH JUSTIS UNIT #220	M-24-258-37E	M	30-025-31863	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	10-2000
SOUTH JUSTIS UNIT #220	N-24-258-37E	N	30-025-31940	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	10-2000
SOUTH JUSTIS UNIT #220	O-24-258-37E	O	30-025-31963	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	11-2000
SOUTH JUSTIS UNIT #222	M-24-258-37E	M	30-025-31862	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	10-2000
SOUTH JUSTIS UNIT #2220	O-24-258-37E	O	30-025-31962	I 34220	JUSTIS;BLINEBRY-TUBB-DRINKARD	11-2000
13154 SOUTH JUSTIS UNIT WSW #001	D-24-258-37E	D	30-025-11753	W 96221	WSW; SAN ANDRES	11-2000

34

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

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

2040 Pacheco St.
Santa Fe, NM 87505

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

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

WELL API NO. 30-025-31759
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name SOUTH JUSTIS UNIT "E"
8. Well No. 202
9. Pool name or Wildcat JUSTIS BLY TUBB DRKD

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 WATER INJECTION

2. Name of Operator
ARCO Permian

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

4. Well Location
Unit Letter **E** **1450** Feet From The **N** Line and **330** Feet From The **W** Line
Section **24** Township **25S** Range **37E** NMPM LEA County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3084' GR 3098' RKB

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

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: 6050' PBD: 6009' CIBP @ 5570' INJECTION INTERVAL: 5015-5545'

06/12/97: POH W/INJ TBG & PKR
06/13/97: RIH W/BIT, DRILL COLLARS, AND WORKSTRING. DRILL OUT CIBP SET @ 5224'
06/14/97: DRILL ON CIBP SET @ 5240'
06/17/97: KNOCKED CIBP TO 5891'
06/18/97: SET CIBP @ 5570'
06/19/97: ACIDIZE EXISTING PERFS 5226-5445' W/1850 GALS 15% NEFE HCL.
RIH W/PKR & TBG. SET GUIBERSON G VI PKR @ 4886'. RAN MIT. CHART ATTACHED.

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 07/01/97
TYPE OR PRINT NAME Kellie D. Murrish TELEPHONE NO. 505-394-1649

(This space for State Use)

ORIGINAL SIGNED BY CHRIS WILLIAMS
DISTRICT SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

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 88240

OIL CONSERVATION DIVISION

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

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

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

WELL API NO.
30-025-31759

5. Indicate Type of Lease
STATE FEE

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name
South Justis Unit "E"

1. Type of Well:
OIL WELL GAS WELL OTHER Water Injection

8. Well No.
202

2. Name of Operator
ARCO Permian

9. Pool name or Wildcat
Justis Bly Tubb Drkd

3. Address of Operator
P.O. Box 1710, Hobbs, New Mexico 88240

4. Well Location
Unit Letter E : 1450 Feet From The N Line and 330 Feet From The W Line

Section 24 Township 25S Range 37E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3084' GR 3098' RKB

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK
TEMPORARILY ABANDON
PULL OR ALTER CASING
OTHER: _____

PLUG AND ABANDON
CHANGE PLANS

REMEDIAL WORK
COMMENCE DRILLING OPNS.
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: 6050' PBD: 6009' CIBP 5224' INJECTION INTERVAL: 5015-5956'

05/17/97: MIRUPU. POH w/2-3/8" tbg & plr. SION.
05/19/97: Wedge Wireline set CIBP @ 5224'. Dumped 10' cmt on top. No attempt to shut water off leaking by CIBP set @ 5240'. RIH w/plr and IPB 2-3/8" tbg. Ran MIT. Chart attached.
~~51990, Microsoft Corp~~
~~06/17/97: MIRUPU. POH w/2-3/8" tbg & plr. SION.~~
~~05/19/92: Wedge Wireline set CIBP @ 5224'. ^hold~~

Handwritten notes:
5724' 5015-5956'
set?
pls - 4886
tbg - 11586

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

SIGNATURE Kelle D. Murrish TITLE Administrative Assistant DATE 06/02/97

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

(This space for State Use)

APPROVED BY OF THE DISTRICT I SUPERVISOR WILLIAMS TITLE _____ DATE JUN 09 1997

CONDITIONS OF APPROVAL, IF ANY:

Handwritten mark

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs NM 88240

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

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

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

WELL API NO. 30-025-31759
5. Indicate Type of Lease STATE <input type="checkbox"/> FBB <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name South Justis Unit "E"
8. Well No. 202
9. Pool name or Wildcat Justis Bly Tubb Drkd
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3084' GR 3098' RKB

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 Water Injection

2. Name of Operator
ARCO Permian

3. Address of Operator
P.O. Box 1710, Hobbs, New Mexico 88240

4. Well Location
Unit Letter E 1450 Feet From The N Line and 330 Feet From The W Line
Section 24 Township 25S Range 37E NMPM Lea County

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: _____ <input type="checkbox"/>		OTHER: <u>Add Perfs & Acidize</u> <input type="checkbox"/>	

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: 6050' PBD: 5240' CIBP INJECTION INTERVAL: 5015-5226

11/21/96: POH w/2-3/8" IPC tbg & 4-1/2" Guiberson G VI Pkr. WIH w/bit, sub, scraper, and 2-3/8" workstring to 5934', POH.

11/22/96: WIH & set Alpha CIBP @ 5240'. RIH w/2 3-1/8" perf guns. Perf select fire 120 degrees offset, 2 SPF 5015-5038, 24 holes. WIH w/PPI tool, 2-3/8" workstring to 5240'. Pump 18 bbls 2% KCL, set PPI tool @ 5220' press to 4000#, held OK. Acidize perfs 5197-5120' w/550 gals 15% NEFE HCL. Pulled above perfs pump 1100 gals 15% and 24 bbls 2% KCL. Press up to 4000#. Bled off & released PPI pkr.

11/23/96: Set PPI tool @ 5109' and acidize 22 perfs w/50 gals/ft 15% NEFE from 5109-5015'. Released tool & POH. WIH w/4-1/2" Guiberson G VI pkr & 2-3/8" IPC tbg. Set pkr @ 4886' Loaded csg & press est 510#, held OK. Chart attached

bbs 2% KCL. Press up to 4000#. Bled off & released PPI pkr.

~~11/23/96: Set PPI tool @ 5109' and acidize 22 perfs w/50 gals/ft 15% NEFE from 5109-5015'. Rel field~~

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 Asst. DATE 3-25-97

TYPE OR PRINT NAME KELLIE D. MURRISH TELEPHONE NO. 394-1649

(This space for State Use)

ORIGINAL SENT TO JERRY SEXTON
DIRECTOR

MAR 28 1997

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

District I
PO Box 1908, Hobbs, NM 88241-1908
District II
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
Energy, Minerals & Natural Resources Department

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

Form C-104
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address ARCO Permian A Unit of Atlantic Richfield Co. P.O. Box 1710 Hobbs, NM 88240		OGRID Number 000990
		Reason for Filing Code CH 6/1/94
API Number 30 - 025-31757	Pool Name Justis Blinebry Tubb Drinkard	Pool Code 34220
Property Code 001500-1496	Property Name South Justis Unit "X"	Well Number 202

II. Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South Line	Feet from the	East/West Line	County
E	24	25S	37E		1450	N	330	W	Lea

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South Line	Feet from the	East/West Line	County
Lea Code	Producing Method Code Inject	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
022628	Texas New Mexico Pipeline P.O. Box 2528 Hobbs, NM 88240			
020809	Sid Richardson Carbon P.O. Box 1226 Jal, NM 88252			
022345	Texaco Exp & Prod P.O. Box 3000 Tulsa, OK 74102			

IV. Produced Water

POD	POD ULSTR Location and Description

V. Well Completion Data

Spud Date	Ready Date	TD	PBTD	Perforations
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement	

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Csg. Pressure
Choke Size	Oil	Water	Gas	AOP	Test Method

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: Records Processing Clerk II
Date: 6-1-94
Phone: (505) 391-1649

OIL CONSERVATION DIVISION
ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR
Approved by: _____
Title: _____
Approval Date: JUL 08 1994

* 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 3 Copies
to Appropriate
District Office

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2008

WELL API NO.
30-025-31759 ✓

5. Indicate Type of Lease
STATE FEE

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR 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 OIL and GAS COMPANY

3. Address of Operator
P.O. Box 1610, Midland, Texas 79702

4. Well Location
Unit Letter E : 1450 Feet From The North Line and 330 Feet from The West Line
Section 24 Township 25S Range 37E NMPM Lea County

7. Lease Name or Unit Agreement Name
South Justis Unit "E"

8. Well No.
202

9. Pool Name or Wildcat
Justis Blbry-Tubb-Dkrd

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3084 GR 3098 RKB

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
(Other) _____ <input type="checkbox"/>		(Other) <u>Convert to water injection</u> <input checked="" type="checkbox"/>	

12. Describe Proposed or completed Operation (Clearly state all pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

4-15-93. RUPU. POH w/CA. RIH w/Guib G-VI nickel plated pkr on 2-3/8 IPC tbg to 4956. RDPU 4-17-93. (perf 5248-5756)
Converted to "Water Injection"

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

SIGNATURE Ken W. Gosnell TITLE Regulatory Coordinator DATE 4-22-93

TYPE OR PRINT NAME Ken W. Gosnell TELEPHONE (915) 688-5672

(This space for State Use) **Orig. Signed by Paul Kautz Geologist**

APPROVED BY _____ TITLE _____ DATE APR 26 1993

CONDITIONS FOR APPROVAL, IF ANY:

10

23

Submit 3 Copies
to Appropriate
District Office

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2008

WELL API NO.
30-025-31759

5. Indicate Type of Lease
STATE FEE

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Lease Name or Unit Agreement Name
South Justis Unit "E"

1. Type of Well:
OIL WELL GAS WELL other

8. Well No.
202

2. Name of Operator
ARCO OIL and GAS COMPANY

9. Pool Name or Wildcat
Justis Blinebry-Tubb-Dkrd

3. Address of Operator
P.O. Box 1610, Midland, Texas 79702

4. Well Location
Unit Letter E : 1450 Feet From The North Line and 330 Feet from The West Line
Section 24 Township 25S Range 37E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3084 GR 3098 RKB

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
(Other) <u>Convert to water injection</u> <input checked="" type="checkbox"/>		(Other) _____ <input type="checkbox"/>	

12. Describe Proposed or completed Operation (Clearly state all pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Propose to convert to water injection as follows:

1. POH w/CA.
2. RIH w/injection packer and 2-3/8 1 PC tbg.
3. Set pkr at 4950.
4. Fill annulus with treated brine water.

I hereby certify that the information above is true and complete to the best of my knowledge and belief
SIGNATURE Ken W. Gosnell TITLE Regulatory Coordinator DATE 4-6-93

TYPE OR PRINT NAME Ken W. Gosnell TELEPHONE (915) 688-5672

(This space for State Use)
ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT SUPERVISOR

APR 13 1993

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS FOR APPROVAL, IF ANY:

Submit 5 Copies
Appropriate District Office
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

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

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

I.

Operator ARCO Oil & Gas Company	Well API No. 30-025-31759 ✓
Address Box 1610, Midland, TX 79702	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

If change of operator give name and address of previous operator

II. DESCRIPTION OF WELL AND LEASE

Lease Name South Justis Unit "E"	Well No. 202	Pool Name, Including Formation Justis Blbry-Tubb-Dkrd	Kind of Lease State, Federal or Fee	Lease No.
Location Unit Letter <u>E</u> : <u>1450</u> Feet From The <u>North</u> Line and <u>330</u> Feet From The <u>West</u> Line Section <u>24</u> Township <u>25S</u> Range <u>37E</u> , <u>NMPM</u> , <u>Lea</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Texas New Mexico Pipeline Company	P.O. Box 2528, Hobbs, NM 88240
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Texaco Exp & Prod Company	P.O. Box 3000, Tulsa, OK 74102
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When ?
	yes 2-23-93

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input checked="" type="checkbox"/>	Gas Well <input type="checkbox"/>	New Well <input checked="" type="checkbox"/>	Workover <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Res'v <input type="checkbox"/>	Diff Res'v <input type="checkbox"/>
Date Spudded 11-28-92	Date Compl. Ready to Prod. 2-21-93	Total Depth 6050	P.B.T.D. 6009					
Elevations (DF, RKB, RT, GR, etc.) 3084 GR 3098 RKB	Name of Producing Formation Blbry-Tubb-Dkrd	Top Oil/Gas Pay 5048	Tubing Depth 5945					
Performances 5048-5956	Depth Casing Shoe 6050							
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12-1/4	8-5/8	990	550					
7-7/8	4-1/2	6050	1900					
	2-3/8	5945						

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank 2-23-93	Date of Test 2-26-93	Producing Method (Flow, pump, gas lift, etc.) Pump
Length of Test 24	Tubing Pressure	Casing Pressure
Actual Prod. During Test	Oil - Bbls. 35	Water - Bbls. 23
		Gas - MCF 63

GAS WELL

Actual Prod. Test - MCF/D -	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations 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.

Ken W. Gosnell
Signature
Ken W. Gosnell Reg. Coord.
Printed Name Title
3-1-93 915 688-5672
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved 1993 04 19 33
By ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT SUPERVISOR
Title _____

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- All sections of this form must be filled out for allowable on new and recompleted wells.
- Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- Separate Form C-104 must be filed for each pool in multiply completed wells.

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

Form C-105
 Revised 1-1-89

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

WELL API NO.
 30-025-31759 ✓

5. Indicate Type of Lease
 STATE FEE

6. State Oil & Gas Lease No.

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 DEEP RESVR OTHER _____

7. Lease Name or Unit Agreement Name
 South Justis Unit "E"

2. Name of Operator
 ARCO Oil & Gas Company

8. Well No.
 202

3. Address of Operator
 Box 1610, Midland, TX 79702

9. Pool name or Wildcat
 Justis Blbry-Tubb-Dkrd

4. Well Location
 Unit Letter E: 1450 Feet From The North Line and 330 Feet From The West Line
 Section 24 Township 25S Range 37E NMPM Lea County

10. Date Spudded 11-28-92 11. Date T.D. Reached 12-18-92 12. Date Compl. (Ready to Prod.) 2-21-93 13. Elevations (DF& RKB, RT, GR, etc.) 3084 GR 3098 RKB 14. Elev. Casinghead

15. Total Depth 6050 16. Plug Back T.D. 6009 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools 0-6050 Cable Tools 0

19. Producing Interval(s), of this completion - Top, Bottom, Name 5048-5956 Blbry-Tubb-Dkrd 20. Was Directional Survey Made No

21. Type Electric and Other Logs Run ZDL/SWN/GR/C, DLL/MLL/GR/C, Spectra log 22. Was Well Cored yes

23. 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	990	12-1/4	550 sx - Circ cmt	0
4-1/2	10.5	6050	7-7/8	650 sx - NA	
		DV @3264		1250 sx - Circ cmt	

24. LINER RECORD 25. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8	5945	

26. Perforation record (interval, size, and number)
 5048-5956

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5672-5956	A w/6000 gals
5359-5653	A w/6000 gals
5048-5347	A w/8000 gals

28. PRODUCTION

Date First Production 2-23-93	Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping				Well Status (Prod. or Shut-in) Prod		
Date of Test 2-26-93	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 35	Gas - MCF 63	Water - Bbl. 23	Gas - Oil Ratio 1800
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 35	Gas - MCF 63	Water - Bbl. 23	Oil Gravity - API - (Corr.)	

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

30. List Attachments
 Elect logs, Inclination record

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 Ken W. Gosnell Printed Name Ken W. Gosnell Title Reg. Coord. Date 3-2-93

WELL NAME & NUMBER South Justis Unit "E" #202

LOCATION Unit E Sec. ²⁴~~25~~, T25S, R37E 145E/N + 33E/W
(Give Unit, Section, Township and Range)

OPERATOR Arco Oil & Gas P.O. Box 1610, Midland, Tx. 79702

DRILLING CONTRACTOR Grace Drilling Company P.O. Box 13480, Odessa, Tx. 79768

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>
0.75 217	1.50 6035		
1.00 490			
1.00 677			
1.00 810			
1.25 1298			
1.00 1561			
1.75 1782			
2.00 2065			
2.00 2303			
1.50 2567			
1.00 2813			
1.00 3160			
1.50 3755			
1.50 4070			
0.75 4569			

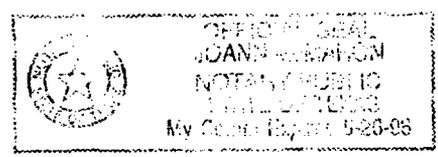
Drilling Contractor GRACE DRILLING COMPANY

By [Signature]
L. V. Bohannon/Drlg. Supt.

Subscribed and sworn to before me this 12 day of January, 19 93

[Signature]
Notary Public

My Commission Expires _____ Ector County TX



Submit 3 Copies
to Appropriate
District Office

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2008

WELL API NO.
30-025-31759 ✓
5. Indicate Type of Lease
STATE FEE
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR 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 OIL and GAS COMPANY
3. Address of Operator
P.O. Box 1610, Midland, Texas 79702
4. Well Location
Unit Letter E : 1450 Feet From The North Line and 330 Feet from The West Line
Section 24 Township 25S Range 37E NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3084 GR

7. Lease Name or Unit Agreement Name
South Justis Unit "E"
8. Well No.
202
9. Pool Name or Wildcat
Justis Blinebry-Tubb-Dkrd

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(Other) <input checked="" type="checkbox"/>	

12. Describe Proposed or completed Operation (Clearly state all pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Core #1 f/5050-5165 TD'd 7-7/8 hole at 6050, 12-18-92. Ran OH logs. Ran 4-1/2 10.5# csg to 6050. DV tool at 3264.
#2 f/5165-5199 Cmt'd w/350 sx PSL "C" w/6% gel + 3% salt (yld 2.0) followed by 300 sx "H" cmt w/8 pps CSE +
#3 f/5199-5319 0.6% CF-14 + 0.35% thrifty lite. (1.61 yld). Open DV tool & circ 6 hrs. Did not circ cmt. Cmt'd
#4 f/5319-5429 2nd stage W/1150 sx PSL "C" w/6% gel + 3% salt (yld 2.0) followed by 100 sx C Neat (yld 1.32).
#5 f/5429-5549 Circ 82 sx to surf. RR 12-20-92.
#6 f/5549-5669
#7 f/5669-5783
#8 f/5783-5903
#9 f/5903-5956

1-17-93. RUPU. DO DV tool at 3264. Tag PBD 6009. Perf f/5048-5956. A 5672-5956 w/6000 gals. A 5359-5653 w/6000 gals. A 5048-5347 w/8000 gals. Ran CA: 2-3/8 tbg, rods & pump to 5945. RDPU 2-21-93.
2-26-93. In 24 hrs pmpd 35 BO, 23 BW, 63 MCF.

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

SIGNATURE Ken W Gosnell TITLE Regulatory Coordinator DATE 3-2-93

TYPE OR PRINT NAME Ken W. Gosnell TELEPHONE (915) 688-5672

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS FOR APPROVAL, IF ANY:

MAR 04 1993

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

OIL CONSERVATION DIVISION

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

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

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

**REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS**

I.

Operator ARCO OIL & GAS COMPANY		Well API No. 30-025-31759
Address P O BOX 1710 HOBBS, N.M. 88240		
Reason(s) for Filing (Check proper box) New Well <input checked="" type="checkbox"/> Recompletion <input type="checkbox"/> Change in Operator <input type="checkbox"/>		Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
If change of operator give name and address of previous operator		<input type="checkbox"/> Other (Please explain) PLEASE ASSIGN AN OIL TESTING ALLOWABLE OF 535 BBLs FOR THIS MONTH OF FEBRUARY, 1993

II. DESCRIPTION OF WELL AND LEASE

Lease Name SOUTH JUSTIS UNIT	Well No. 202	Pool Name, Including Formation JUSTIS BLINEBRY TUBB DRINKARD	Kind of Lease State, Federal or Fee XXXXX	Lease No. NNNM87877X
Location Unit Letter E : 1450 Feet From The NORTH Line and 330 Feet From The WEST Line Section 24 Township 25 S Range 37 E , NMPM, LEA County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil TEXAS NEW MEXICO PIPELINE COMPANY	or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P O BOX 2528 HOBBS, NM 88240
Name of Authorized Transporter of Casinghead Gas TEXACO EXP & PRODUCTION COMPANY	or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P O BOX 3000 TULSA, OK 74102
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge.	Is gas actually connected? When ? YES 02/23/93

If this production is commingled with that from any other lease or pool, give commingling order number.

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Show		
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

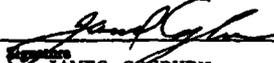
Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations 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.


JAMES COGBURN OPERATIONS COORDINATOR
 Printed Name Title
 FEBRUARY 23, 1993 (505) 391-1621
 Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved FEB 24 1993
 By _____
 Title _____

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

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 88240

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

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

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

WELL API NO. 30-025-31759
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	7. Lease Name or Unit Agreement Name South Justis Unit "E"
2. Name of Operator ARCO OIL AND GAS COMPANY	8. Well No. 202
3. Address of Operator P. O. Box 1610, Midland, Texas 79702	9. Pool name or Wildcat Justis Blbry-tubb-Dkrd
4. Well Location Unit Letter <u>E</u> : <u>1450</u> Feet From The <u>North</u> Line and <u>330</u> Feet From The <u>West</u> Line Section <u>24</u> Township <u>25S</u> Range <u>37E</u> NMPM <u>Lea</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3084 GR	

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <u>Change lease name & well number</u> <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: _____ <input type="checkbox"/>

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.

Formerly: Wimberly WN #14
Justis Tubb Drinkard

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

SIGNATURE Ken W. Gosnell TITLE Regulatory Coordinator DATE 1-20-93

TYPE OR PRINT NAME Ken W. Gosnell 915/688-5672 TELEPHONE NO.

(This space for State Use)

ORIGINAL SIGNED BY JERRY DENTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

JAN 26 1993

Submit 3 Copies
to Appropriate
District Office

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

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2008

WELL API NO.
30-025-31759

5. Indicate Type of Lease
STATE FEE

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Lease Name or Unit Agreement Name
Wimberly WN

8. Well No.
14

9. Pool Name or Wildcat
Justis Tubb Drinkard
EFF 11-1-92
R-1745

1. Type of Well:
OIL WELL GAS WELL other

2. Name of Operator
ARCO OIL and GAS COMPANY

3. Address of Operator
P.O. Box 1610, Midland, Texas 79702

4. Well Location
Unit Letter E : 1450 Feet From The North Line and 330 Feet from The West Line

Section 24 Township 25S Range 37E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3084 GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
(Other) _____ <input type="checkbox"/>		(Other) _____ <input type="checkbox"/>	

12. Describe Proposed or completed Operation (Clearly state all pertinent dates, including estimated date of starting any proposed work) SBE RULE 1103.

Spud 12-1/4 hole, 11-28-92. TD'd at 990. Ran 8-5/8 24# csg to 990. Cmt'd w/350 sx PSL "C" cmt w/6% gel + 2% CC + 1/4# FC (yld 1.86) followed by 200 sx "C" w/2%CC + 1/4# FC (yld 1.32). Circ 60 sx to surf. WOC 14 hrs. Est comp strength 2000#. Press test csg to 1000# for 30 min. DA w/7-7/8 bit.

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

SIGNATURE Ken W. Gosnell TITLE Regulatory Coordinator DATE 12-9-92

TYPE OR PRINT NAME Ken W. Gosnell TELEPHONE (915) 688-5672

(This space for State Use)

APPROVED BY Orig. Signed by Paul Kautz Geologist TITLE _____ DATE DEC 1

CONDITIONS FOR APPROVAL, IF ANY:

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

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-101
 Revised 1-1-89

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

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

API NO. (assigned by OCD on New Wells) 30-025-31759
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					
1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			7. Lease Name or Unit Agreement Name Wimberly WN		
b. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. Well No. 14		
2. Name of Operator ARCO OIL AND GAS COMPANY			9. Pool name or Wildcat Justis Tubb Drinkard		
3. Address of Operator Box 1610, Midland, Texas 79702					
4. Well Location Unit Letter <u>E</u> : <u>1450</u> Feet From The <u>North</u> Line and <u>330</u> Feet From The <u>West</u> Line Section <u>24</u> Township <u>25S</u> Range <u>37E</u> NMPM Lea County					
10. Proposed Depth 6200		11. Formation Tubb Drinkard		12. Rotary or C.T. Rotary	
13. Elevations (Show whether DF, RT, GR, etc.) 3084 GR		14. Kind & Status Plug. Bond Statewide		15. Drilling Contractor Grace Drlg Co.	
16. Approx. Date Work will start 11-10-92					
17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4	8-5/8	24	900	400	Surf
7-7/8	5-1/2	10.5	6200	1000	Surf

Unorthodox Location application has been filed.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE Ken W. Gosnell TITLE Regulatory Coordinator DATE 10-20-92

TYPE OR PRINT NAME Ken W. Gosnell 915/688-5672 TELEPHONE NO.

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
 DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE NOV 10 1992

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

R-9707 Same as + total H-442

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-102
 Revised 1-1-89

OIL CONSERVATION DIVISION

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

Submit to Appropriate District Office
 State Lease - 4 copies
 Free Lease - 3 copies

DISTRICT I
 P.O. Box 1980, Hobbs, NM 88240

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

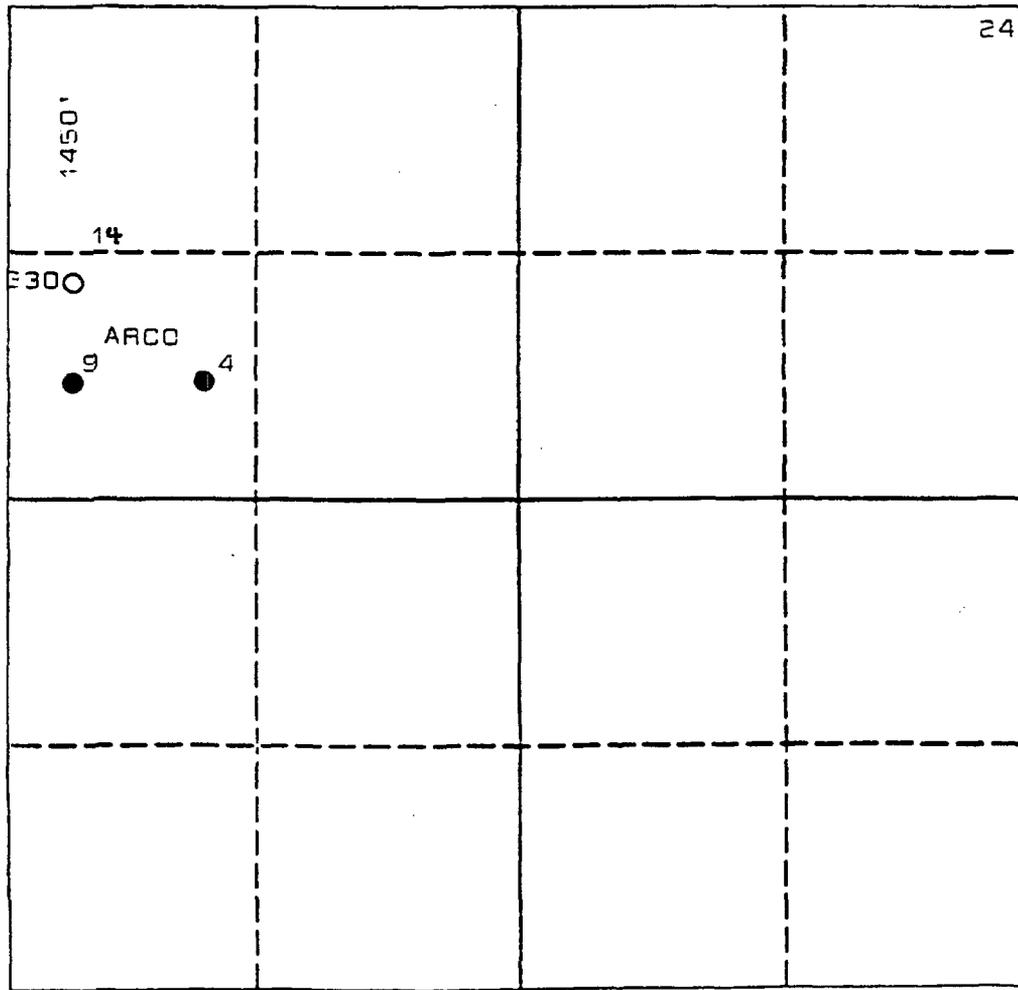
DISTRICT III
 100 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease Wimberly WN		Well No 14	
Well Letter E	Section 24	Township 25 S	Range 37 E	County Lee	
Actual Footage Location of Well: 1450 feet from the North line and 330 feet from the West line					
Ground level Elev. 3084'		Producing Formation Tubb Drinkard		Pool Justis	
					Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc?
 Yes No If answer is "yes" type of consolidation _____
 If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
 No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



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

Signature
Ken W. Gosnell

Printed Name
Ken W. Gosnell

Position
Regulatory Coordinator

Company
ARCO Oil & Gas

Date
10-19-92

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 knowledge and belief.

Date Surveyed
Aug. 31, 1992

Signature & Seal of Professional Surveyor
[Signature]

Certificate No.
648

CMD : ONGARD 01/10/04 13:02:02
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPED
 Page No: 1

OGRID Identifier : 155453 HENRY PETROLEUM CORPORATION
 Pool Identifier : 37240 LANGLIE MATTIX;7 RVRS-Q-GRAYBURG
 API Well No : 30 25 21092 Report Period - From : 01 2003 To : 11 2003

API Well No	Property Name	Prod. Days		Production Volumes			Well Stat
		MM/YY	Prod	Gas	Oil	Water	
30 25 21092	WIMBERLY WN	01 03	31	1733			F
30 25 21092	WIMBERLY WN	02 03	28	1378			F
30 25 21092	WIMBERLY WN	03 03	31	1591			F
30 25 21092	WIMBERLY WN	04 03	30	1649			F
30 25 21092	WIMBERLY WN	05 03	31	1618			F
30 25 21092	WIMBERLY WN	06 03	30	1499			F
30 25 21092	WIMBERLY WN	07 03	31	1520			F

Reporting Period Total (Gas, Oil) :

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 01/10/04 13:02:05
OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPED
Page No: 2

OGRID Identifier : 155453 HENRY PETROLEUM CORPORATION
Pool Identifier : 37240 LANGLIE MATTIX;7 RVRS-Q-GRAYBURG
API Well No : 30 25 21092 Report Period - From : 01 2003 To : 11 2003

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 25 21092	WIMBERLY WN	08 03 31	1653	F
30 25 21092	WIMBERLY WN	09 03 30	1597	F
30 25 21092	WIMBERLY WN	10 03 31	1625	F

Reporting Period Total (Gas, Oil) : 15863

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:**

**Nomenclature
Case No. 10552
Order No. R-9745**

**APPLICATION OF ARCO OIL AND GAS COMPANY
FOR POOL CREATION AND CONTRACTION AND,
IF APPLICABLE, POOL EXTENSIONS AND/OR
REDESIGNATION, LEA COUNTY, NEW MEXICO.**

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a. m. on September 17, 1992, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 23rd day of October, 1992, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) Division Case Nos. 10552, 10553 and 10554 were consolidated at the time of the hearing for the purpose of testimony.

(3) The applicant, ARCO Oil and Gas Company (ARCO), seeks the creation of a new pool for the production of oil and gas from the Blinebry, Tubb and Drinkard formations, said pool to be designated the Justis Blinebry-Tubb-Drinkard Pool comprising the following described acreage in Lea County, New Mexico:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Section 11: N/2, SE/4, E/2 SW/4
Section 12: W/2, W/2 SE/4
Section 13: All
Section 14: E/2, E/2 W/2
Section 23: E/2, E/2 NW/4, NE/4 SW/4
Sections 24 and 25: All
Section 26: NE/4, N/2 SE/4, SE/4 SE/4
Section 35: E/2 NE/4
Section 36: All

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 19: W/2 W/2
Section 30: W/2 W/2
Section 31: W/2 W/2

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM

Section 1: N/2 NE/4

(4) The applicant further proposes to define the vertical limits of the Justis Blinebry-Tubb-Drinkard Pool to include the Blinebry, Tubb and Drinkard formations from a depth of 4980 feet to a depth of 6180 feet as found on the log run on the ARCO Ida Wimberly Well No. 4 located 660 feet from the South line and 990 feet from the West line (Unit M) of Section 24, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico.

(5) The applicant seeks the creation of said pool for the purpose of instituting a secondary recovery project (being the subject of Case No. 10554) within the horizontal and vertical boundaries described above.

(6) The proposed horizontal boundaries of the Justis Blinebry-Tubb-Drinkard Pool conform to the boundaries of the South Justis Unit Area, approved by Division Order No. R-9746.

(7) In conjunction with the proposed pool creation, the applicant further seeks the concomitant contraction of those portions of the Justis-Blinebry Pool and the Justis Tubb-Drinkard Pools which lie within the South Justis Unit Area.

CASE NO. 10552 - NOMENCLATURE

Order No. R-9745

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(8) The applicant testified that over the operational history of the Justis-Blinebry Pool and the Justis Tubb-Drinkard Pool, the Division has allowed commingling of these pools within the wellbores of numerous wells in the subject area.

(9) This commingling has resulted in the development of effective communication between the pools, which has in turn resulted in similar formation pressures and production responses.

(10) Consequently, the vertical interval containing the Blinebry, Tubb and Drinkard formations more closely resembles, at this late stage of primary development, one common single source of supply.

(11) The evidence further established that the Blinebry, Tubb and Drinkard formations were of similar rock quality and that the development of the reserves in these zones as separate pools has been a factor of the historical development of this area and is not based on the geological characteristics of these zones.

(12) The applicant further presented evidence and testimony which indicates that secondary recovery operations conducted simultaneously within the Blinebry, Tubb and Drinkard formations would be the most effective method of operation and would result in the recovery of the maximum amount of secondary reserves from the subject formations within the subject area.

(13) In order to prevent waste caused by the loss of secondary reserves resulting from inefficient secondary recovery operations, and by the unnecessary duplication of facilities required to conduct separate waterflood operations within the three subject formations, ARCO's application for the creation of a new pool for the purpose of conducting secondary recovery operations should be approved.

(14) Approval of the horizontal boundaries of the Justis Blinebry-Tubb-Drinkard Pool and the concomitant contraction of the Justis-Blinebry and Justis Tubb-Drinkard Pools as proposed by the applicant will result in portions of the Justis-Blinebry and Justis Tubb-Drinkard Pools being segregated and non-contiguous with the remaining acreage in these pools.

(15) Division policy regarding nomenclature dictates that pools generally must be contiguous.

(16) The proposed boundaries of the Justis Blinebry-Tubb-Drinkard Pool should be expanded outside the South Justis Unit Area to include those portions of the Justis-Blinebry and Justis Tubb-Drinkard Pool whose exclusion would result in non-contiguous acreage within these pools.

(17) The Justis Blinebry-Tubb-Drinkard Pool should comprise the following described area:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Sections 11 through 14: All
Sections 23 through 25: All
Section 26: E/2, SW/4
Section 35: E/2
Section 36: All

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 18: SW/4
Section 19: NW/4, W/2 SW/4
Section 30: W/2
Section 31: W/2

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM

Section 1: All
Section 12: W/2

TOWNSHIP 26 SOUTH, RANGE 38 EAST, NMPM

Section 6: NW/4

(18) The Justis-Blinebry and Justis Tubb-Drinkard Pools should be contracted by the deletion therefrom of the following described acreage:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Justis-Blinebry

Justis Tubb-Drinkard

Section 11:	All	All
Section 12:	All	S/2, NW/4
Section 13:	All	All
Section 14:	All	NE/4, E/2 NW/4, E/2 SE/4, SW/4 SE/4
Section 23:	All	E/2, NW/4
Section 24:	All	All
Section 25:	All	All
Section 26:	E/2, SW/4	NE/4, E/2 SE/4
Section 35:	E/2	E/2 NE/4
Section 36:	All	All

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 18: SW/4 -----
Section 19: NW/4 W/2 W/2
Section 30: W/2 W/2 NW/4, NW/4 SW/4
Section 31: W/2 NW/4

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM

Section 1: N/2 E/2, SW/4
Section 12: ----- W/2

TOWNSHIP 26 SOUTH, RANGE 38 EAST, NMPM

Section 6: NW/4 -----

IT IS THEREFORE ORDERED THAT:

(1) A new pool for Blinebry, Tubb and Drinkard production is hereby created and designated the Justis Blinebry-Tubb-Drinkard Pool comprising vertical limits defined from a depth of 4980 feet to a depth of 6180 feet as shown on the type log run on the ARCO Ida Wimberly Well No. 4 located 660 feet from the South line and 990 feet from the West line of Section 24, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico, and with horizontal limits comprised of the following described acreage:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Sections 11 through 14: All
Sections 23 through 25: All
Section 26: E/2, SW/4
Section 35: E/2
Section 36: All

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 18: SW/4
Section 19: NW/4, W/2 SW/4
Section 30: W/2
Section 31: W/2

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM

Section 1: All
Section 12: W/2

TOWNSHIP 26 SOUTH, RANGE 38 EAST, NMPM

Section 6: NW/4

(2) The horizontal boundaries of the Justis-Blinebry and Justis Tubb-Drinkard Pools are hereby contracted by the deletion therefrom of the following described acreage:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Justis-Blinebry

Justis Tubb-Drinkard

Section 11:	All	All
Section 12:	All	S/2, NW/4
Section 13:	All	All
Section 14:	All	NE/4, E/2 NW/4, E/2 SE/4, SW/4 SE/4
Section 23:	All	E/2, NW/4
Section 24:	All	All
Section 25:	All	All
Section 26:	E/2, SW/4	NE/4, E/2 SE/4
Section 35:	E/2	E/2 NE/4
Section 36:	All	All

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 18:	SW/4	-----
Section 19:	NW/4	W/2 W/2
Section 30:	W/2	W/2 NW/4, NW/4 SW/4
Section 31:	W/2	NW/4

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM

Section 1:	N/2	E/2, SW/4
Section 12:	-----	W/2

TOWNSHIP 26 SOUTH, RANGE 38 EAST, NMPM

Section 6: NW/4 -----

(3) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

CASE NO. 10552 - NOMENCLATURE

Order No. R-9745

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DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:**

**Case No. 10553
Order No. R-9746**

**APPLICATION OF ARCO OIL AND GAS
COMPANY FOR STATUTORY UNITIZATION,
LEA COUNTY, NEW MEXICO.**

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on September 17, 1992, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 23rd day of October, 1992, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

- (1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) Division Case Nos. 10552, 10553 and 10554 were consolidated at the time of the hearing for the purpose of testimony.
- (3) The applicant, ARCO Oil and Gas Company (ARCO), seeks the statutory unitization, pursuant to the "Statutory Unitization Act", Sections 70-7-1 through 70-7-21, NMSA, (1978), of 5360 acres, more or less, embracing the entire Justis Blinebry-Tubb-Drinkard Pool, Lea County, New Mexico, said unit to be known as the South Justis Unit; the applicant further seeks the approval of the Unit Agreement and the Unit Operating Agreement which were submitted in evidence as applicant's Exhibit Nos. 5 and 6 in this case.

(4) The proposed unit area should be designated the South Justis Unit Area, and the horizontal limits of said unit area should be comprised of the following described federal, state and fee lands in Lea County, New Mexico:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Section 11: N/2, SE/4, E/2 SW/4
Section 12: W/2, W/2 SE/4
Section 13: All
Section 14: E/2, E/2 W/2
Section 23: E/2, E/2 NW/4, NE/4 SW/4
Sections 24 and 25: All
Section 26: NE/4, N/2 SE/4, SE/4 SE/4
Section 35: E/2 NE/4
Section 36: All

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 19: W/2 W/2
Section 30: W/2 W/2
Section 31: W/2 W/2

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM

Section 1: N/2 NE/4

(5) The vertical limits of the South Justis Unit Area should comprise the interval containing the Blinebry, Tubb and Drinkard formations as found from a depth of 4980 feet to a depth of 6180 feet on the log run on the ARCO Ida Wimberley Well No. 4 located 660 feet from the South line and 990 feet from the West line (Unit M) of Section 24, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico, and having been defined by the Division by Order No. R-9745, entered in Case No. 10552, as the Justis Blinebry-Tubb-Drinkard Pool.

(6) The unit area contains 53 separate tracts owned by approximately 50 different working interest owners.

(7) As of the date of hearing, the owners of over 91 percent of the working interest and owners of over 80 percent of the royalty interest were effectively committed to the unit or have balloted to support the unit.

(8) No interested party appeared in opposition to the unitization nor to the vertical limits of the proposed unit area.

(9) The Justis Blinebry-Tubb-Drinkard Pool has reasonably been defined by development.

(10) The applicant proposes to institute an enhanced recovery project for the secondary recovery of oil, gas and associated liquefiable hydrocarbons within and to be produced from the proposed unit area (being the subject of Case No. 10554).

(11) Enhanced recovery operations by waterflood should result in additional recovery from the unit area of approximately 34 million barrels of oil.

(12) The unitized management, operation and further development of the South Justis Unit Area, as proposed, is feasible and reasonably necessary to effectively and efficiently carry on enhanced recovery operations and should substantially increase the ultimate recovery of oil and gas from the Justis Blinebry-Tubb-Drinkard Pool.

(13) The proposed unitized method of operation as applied to the unit area is feasible and will result with reasonable probability in the increased recovery of substantially more oil from the unitized portion of the pool than would otherwise be recovered without unitization.

(14) The estimated additional cost of the proposed unitized operations within the unit area will not exceed the estimated value of the additional oil and gas plus a reasonable profit.

(15) The applicant, designated operator of the unit area pursuant to the Unit Agreement and Unit Operating Agreement, has made a good faith effort to secure voluntary unitization within the unit area.

(16) The participation formulas contained in the Unitization Agreement allocate the produced and saved unitized substances to the separately owned tracts in the unit area, on a fair, reasonable and equitable basis.

(17) Unitization and the adoption of the proposed unitized methods of operation will benefit the working interest owners and the royalty interest owners of the oil and gas rights within the South Justis Unit Area.

(18) The applicant's Exhibit Nos. 5 and 6 in this case, being the Unit Agreement and the Unit Operating Agreement, respectively, should be incorporated by reference into this order.

(19) The South Justis Unit Agreement and South Justis Unit Operating Agreement, as applied to the unit area, provide for unitization and unit operation of the South Justis Unit Area upon terms and conditions that are fair, reasonable, equitable, and which include:

- (a) an allocation to the separately owned tracts in the unit area of all oil and gas that is produced from the unit area and which is saved, being the production that is not used in the conduct of unit operations or not unavoidably lost;
- (b) a provision for the credits and charges to be made and the adjustment among the owners in the unit area for their respective investments in wells, tanks, pumps, machinery, materials and equipment contributed to the unit operations;
- (c) a provision governing how the costs of unit operations, including capital investments, shall be determined and charged to the separately owned tracts and how said costs shall be paid, including a provision for when, how, and by whom the unit production allocated to an owner who does not pay his share of the costs of unit operations shall be credited to such owner, or the interest of such owner, and how his interest may be sold and the proceeds applied to the payment of his costs;
- (d) a provision for carrying any working owner on a limited, carried or net-profits basis, payable out of production, upon terms and conditions which are just and reasonable, and which allow an appropriate charge for interest for such service payable out of production, upon such terms and conditions determined by the Division to be just and reasonable, and providing that any non-consenting working interest owner being so carried shall be deemed to have relinquished to the unit operator all of his operating rights and working interest in and to the unit until his share of the costs, service charge and interest are repaid to the unit operator;

- (e) a provision designating the unit operator and providing for the supervision and conduct of the unit operations, including the selection, removal or substitution of an operator from among the working interest owners to conduct the unit operations;
- (f) a provision for a voting procedure for the decision of matters to be decided by the working interest owners in respect to which each working interest owner shall have a voting interest equal to his unit participation; and
- (g) the time when the unit operations shall commence and the manner in which, and the circumstances under which, the unit operations shall terminate and for the settlement of accounts upon such termination.

(20) The statutory unitization of the South Justis Unit Area is in conformity with the above findings, and will prevent waste and will protect the correlative rights of all owners of interest within the proposed unit area, and should be approved.

IT IS THEREFORE ORDERED THAT:

(1) The South Justis Unit Area comprising 5360 acres, more or less, in the South Justis Blinbry-Tubb-Drinkard Pool, Lea County, New Mexico, is hereby approved for statutory unitization pursuant to the Statutory Unitization Act, Sections 70-7-1 through 70-7-21, NMSA, (1978).

(2) The lands included within the South Justis Unit Area shall comprise:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Section 11: N/2, SE/4, E/2 SW/4
Section 12: W/2, W/2 SE/4
Section 13: All
Section 14: E/2, E/2 W/2
Section 23: E/2, E/2 NW/4, NE/4 SW/4
Sections 24 and 25: All
Section 26: NE/4, N/2 SE/4, SE/4 SE/4
Section 35: E/2 NE/4
Section 36: All

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 19: W/2 W/2
Section 30: W/2 W/2
Section 31: W/2 W/2

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM

Section 1: N/2 NE/4

(3) The vertical limits of the South Justis Unit Area shall comprise the interval containing the Blinebry, Tubb and Drinkard formations as found from a depth of 4980 feet to a depth of 6180 feet on the log run on the ARCO Ida Wimberley Well No. 4 located 660 feet from the South line and 990 feet from the West line (Unit M) of Section 24, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico, and having been defined by the Division by Order No. R-9745, entered in Case No. 10552, as the Justis Blinebry-Tubb-Drinkard Pool.

(4) The applicant shall institute a waterflood project for the secondary recovery of oil, gas and all associated liquefiable hydrocarbons within and produced from the unit area, (said waterflood project being the subject of Case No. 10554).

(5) The South Justis Unit Agreement and the South Justis Unit Operating Agreement, being applicant's Exhibit Nos. 5 and 6 in this case, are hereby incorporated by reference into this order.

(6) The Unit Agreement and the Unit Operating Agreement for the South Justis Unit provide for unitization and unit operation of the unit area upon terms and conditions that are fair, reasonable and equitable and include:

- (a) an allocation to the separately owned tracts in the unit area of all oil and gas that is produced from the unit area and which is saved, being the production that is not used in the conduct of unit operations or not unavoidably lost;
- (b) a provision for the credits and charges to be made and the adjustment among the owners in the unit area for their respective investments in wells, tanks, pumps, machinery, materials and equipment contributed to the unit operations;
- (c) a provision governing how the costs of unit operations, including capital investments, shall be determined and charged to the separately owned tracts and how said costs shall be paid, including a provision for when, how, and by whom the unit production allocated to an owner who does not pay his share of the costs of unit operations shall be credited to such owner, or the interest of such owner, and how his interest may be sold and the proceeds applied to the payment of his costs;
- (d) a provision for carrying any working owner on a limited, carried or net-profits basis, payable out of production, upon terms and conditions which are just and reasonable, and which allow an appropriate charge for interest for such service payable out of production, upon such terms and conditions determined by the Division to be just and reasonable, and providing that any non-consenting working interest owner being so carried shall be deemed to have relinquished to the unit operator all of his operating rights and working interest in and to the unit until his share of the costs, service charge and interest are repaid to the unit operator;

- (e) a provision designating the unit operator and providing for the supervision and conduct of the unit operations, including the selection, removal or substitution of an operator from among the working interest owners to conduct the unit operations;
- (f) a provision for a voting procedure for the decision of matters to be decided by the working interest owners in respect to which each working interest owner shall have a voting interest equal to his unit participation; and
- (g) the time when the unit operations shall commence and the manner in which, and the circumstances under which, the unit operations shall terminate and for the settlement of accounts upon such termination.

(7) This order shall not become effective unless and until the owners of seventy-five (75) percent of the working interest and seventy-five (75) percent of the royalty interest in the South Justis Unit Area have approved the plan for unit operations as required by Section 70-7-8 NMSA, (1978) Comp.

(8) If the persons owning the required percentage of interest in the South Justis Unit Area as set out in Section 70-7-8 NMSA, (1978) Comp., do not approve the plan for unit operations within a period of six (6) months from the date of entry of this order, this order shall cease to be of further force and effect and shall be revoked by the Division, unless the Division shall extend the time for ratification for good cause shown.

(9) When the persons owning the required percentage of interest in the South Justis Unit Area have approved the plan for unit operations, the interests of all persons in the unit area are unitized whether or not such persons have approved the plan of unitization in writing.

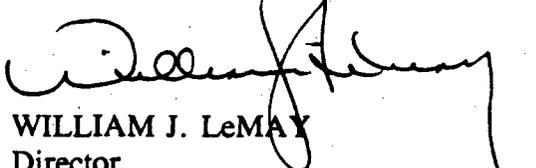
(10) The applicant as Unit Operator shall notify in writing the Division Director of any removal or substitution of said Unit Operator by any other working interest owner within the unit area.

(11) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

CASE NO. 10533
Order No. R-9746
Page -9-

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LeMAY
Director

S E A L

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

Case No. 10554
Order No. R-9747

APPLICATION OF ARCO OIL AND GAS COMPANY
FOR APPROVAL OF A WATERFLOOD PROJECT,
LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on September 17, 1992, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 23rd day of October, 1992, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

- (1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) Division Case Nos. 10552, 10553 and 10554 were consolidated at the time of the hearing for the purpose of testimony.
- (3) The applicant, ARCO Oil and Gas Company (ARCO), seeks authority to institute a waterflood project in its South Justis Unit by the injection of water into the Blinebry and Tubb/Drinkard formations, Justis Blinebry-Tubb-Drinkard Pool, Lea County, New Mexico, through the gross perforated and/or open hole interval from approximately 5,100 feet to a depth of 6,100 feet in ninety-eight (98) existing or newly drilled injection wells as shown on Exhibit "A" attached hereto.

(4) The applicant's South Justis Unit Area comprises some 5360 acres in all or portions of Sections 11 through 14, 23 through 26, 35 and 36, Township 25 South, Range 37 East, and portions of Sections 19, 30 and 31, Township 25 South, Range 38 East, and portions of Section 1, Township 26 South, Range 37 East, NMPM, Lea County, New Mexico.

(5) The wells located within the applicant's South Justis Unit Area are in an advanced state of depletion and are only capable of marginal production.

(6) The proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(7) The applicant should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

(8) The injection of water into each of the wells shown on Exhibit "A" should be accomplished through internally plastic-lined tubing installed in a packer set within 100 feet of the uppermost injection perforation or casing shoe; the casing-tubing annulus should be filled with an inert fluid and a gauge or approved leak-detection device should be attached to the annulus in order to determine leakage in the casing, tubing or packer.

(9) Prior to commencing injection operations into the wells shown on Exhibit "A", the casing in each well should be pressure tested throughout the interval from the surface down to the proposed packer setting depth, to assure the integrity of such casing.

(10) The injection wells or pressurization system should be initially equipped with a pressure control device or acceptable substitute which will limit the surface injection pressure to no more than 1020 psi.

(11) The applicant presented information regarding the proposed location of each of the proposed injection wells it intends to drill within the South Justis Unit Area.

(12) The applicant testified that subsequent to the entry of this order, it may be necessary, due to surface considerations, to relocate newly drilled injection or production wells within the unit area.

(13) The applicant requested an administrative procedure whereby the supervisor of the Division's Hobbs District Office may approve the relocation of any proposed injection or producing wells to orthodox or unorthodox locations within the unit area.

(14) The supervisor of the Division's Hobbs District Office should be authorized to approve the relocation of any proposed injection and/or producing well to orthodox locations within the unit area.

(15) The Division Director, pursuant to the provisions and requirements of Division Rule No. 104, should have the authority to approve the relocation of injection and/or producing wells within the unit area to unorthodox locations.

(16) The Division Director should have the authority to administratively authorize a pressure limitation in excess of the pressure limitation described in Finding No. (10) above upon a showing by the operator that such higher pressure will not result in the fracturing of the injection formation or confining strata.

(17) The operator should give advance notification to the supervisor of the Hobbs District Office of the Division of the date and time of the installation of injection equipment and of the mechanical integrity pressure tests in order that the same may be witnessed.

(18) The application should be approved and the project should be governed by the provisions of Rule Nos. 701 through 708 of the Oil Conservation Division Rules and Regulations.

(19) At the time of the hearing, the applicant requested that the subject waterflood project be certified by the Division as a qualified "Enhanced Oil Recovery Project" pursuant to the "Enhanced Oil Recovery Act" (Laws 1992, Chapter 38, Sections 1 through 5).

(20) The evidence presented indicates that the subject waterflood project meets all the criteria for certification.

(21) The applicant proposes to phase the institution of the waterflood project within two distinct areas of the South Justis Unit Area. Phase I is to be implemented approximately mid-1993 and Phase II should be implemented by the first quarter of 1994.

(22) The certified "project area" should initially comprise the area approved for statutory unitization by Division Order No. R-9746, and described as follows, provided however, the Phase I and Phase II areas within the project may be independently certified by the Division to the New Mexico Taxation and Revenue Department.

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Section 11: N/2, SE/4, E/2 SW/4
Section 12: W/2, W/2 SE/4
Section 13: All
Section 14: E/2, E/2 W/2
Section 23: E/2, E/2 NW/4, NE/4 SW/4
Sections 24 and 25: All
Section 26: NE/4, N/2 SE/4, SE/4 SE/4
Section 35: E/2 NE/4
Section 36: All

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 19: W/2 W/2
Section 30: W/2 W/2
Section 31: W/2 W/2

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM

Section 1: N/2 NE/4

(23) To be eligible for the EOR credit, the operator should advise the Division when water injection commences into Phase I and Phase II of the project and at such time(s), request the Division certify Phase I and II to the New Mexico Taxation and Revenue Department.

(24) The Phase I and II areas within the project and/or the producing wells within such areas eligible for the recovered oil tax rate may be contracted and reduced dependent upon the evidence presented by the applicant in its demonstration of the occurrence of a positive production response.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, ARCO Oil and Gas Company, is hereby authorized to institute a waterflood project in its South Justis Unit Area (described in Finding No. (22) above), by the injection of water into the Blinebry, Tubb and Drinkard formations, Justis Blinebry-Tubb-Drinkard Pool, through the gross perforated and/or open hole interval from approximately 5,100 feet to a depth of 6,100 feet in ninety-eight (98) existing or newly drilled injection wells as shown on Exhibit "A" attached hereto.

(2) The applicant shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

(3) Injection into the wells shown on Exhibit "A" shall be accomplished through plastic-lined tubing installed in a packer set approximately within 100 feet of the uppermost injection perforation or casing shoe; the casing-tubing annulus in each well shall be filled with an inert fluid and equipped with an approved pressure gauge or attention-attracting leak detection device.

(4) The injection wells or pressurization system shall be equipped with a pressure control device or acceptable substitute which will limit the surface injection pressure to no more than 1020 psi.

(5) The Division Director shall have the authority to administratively authorize a pressure limitation in excess of the above upon a showing by the operator that such higher pressure will not result in the fracturing of the injection formation or confining strata.

(6) Prior to commencing injection operations into the wells shown on Exhibit "A", the casing in each well shall be pressure-tested throughout the interval from the surface down to the proposed packer setting depth, to assure the integrity of such casing.

(7) The operator shall give advance notification to the supervisor of the Hobbs District Office of the Division of the date and time of the installation of injection equipment and of the mechanical integrity pressure tests in order that the same may be witnessed.

(8) The applicant shall immediately notify the supervisor of the Hobbs District Office of the Division of the failure of the tubing, casing or packer in any of the injection wells shown on Exhibit "A", the leakage of water or oil from or around any producing well, or the leakage of water or oil from any plugged and abandoned well within the project area, and shall take such steps as may be timely and necessary to correct such failure or leakage.

(9) The supervisor of the Division's Hobbs District Office shall be authorized to approve the relocation of any proposed injection and/or producing well to orthodox locations within the unit area.

(10) The Division Director, pursuant to the provisions and requirements of Division Rule No. 104, shall have the authority to approve the relocation of injection and/or producing wells within the unit area to unorthodox locations.

(11) The subject waterflood project is hereby designated the South Justis Unit Waterflood Project, and the applicant shall conduct injection operations in accordance with Division Rule Nos. 701 through 708 and shall submit monthly progress reports in accordance with Division Rule Nos. 706 and 1115.

(12) The subject waterflood is hereby qualified as an "Enhanced Oil Recovery Project" pursuant to the "Enhanced Oil Recovery Act" (Laws 1992, Chapter 38, Sections 1 through 5).

(13) The certified "project area" shall initially comprise the area approved for statutory unitization by Division Order No. R-9746, and described as follows, provided however, the Phase I and Phase II areas within the project may be independently certified by the Division to the New Mexico Taxation and Revenue Department.

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Section 11: N/2, SE/4, E/2 SW/4
Section 12: W/2, W/2 SE/4
Section 13: All
Section 14: E/2, E/2 W/2
Section 23: E/2, E/2 NW/4, NE/4 SW/4
Sections 24 and 25: All
Section 26: NE/4, N/2 SE/4, SE/4 SE/4
Section 35: E/2 NE/4
Section 36: All

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 19: W/2 W/2
Section 30: W/2 W/2
Section 31: W/2 W/2

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM

Section 1: N/2 NE/4

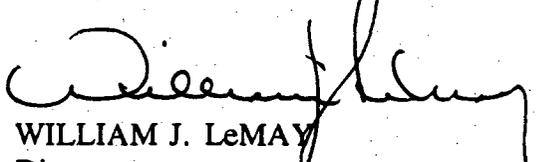
(14) To be eligible for the EOR credit, the operator shall advise the Division when water injection commences into Phase I and Phase II of the project and at such time(s), request the Division certify Phase I and II to the New Mexico Taxation and Revenue Department.

(15) The Phase I and II areas within the project and/or the producing wells within such areas eligible for the recovered oil tax rate may be contracted and reduced dependent upon the evidence presented by the applicant in its demonstration of the occurrence of a positive production response.

(16) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LeMAY
Director

S E A L

EXHIBIT "A"
APPROVED INJECTION WELLS
CASE NO. 10554
ORDER NO. R-9747

<i>Well Name</i>	<i>Location</i>	<i>Unit</i>	<i>S-T-R</i>
SJU Tract B #110	990' FNL & 1650' FWL	C	11-25S-37E
SJU Tract B #140	990' FSL & 2310' FWL	N	11-25S-37E
SJU Tract B #150	330' FNL & 2310' FWL	C	14-25S-37E
SJU Tract C #120	1500' FNL & 1550' FEL	G	11-25-37E
SJU Tract C #130	2500' FSL & 1650' FEL	J	11-25S-37E
SJU Tract C #140	1200' FSL & 1450' FEL	O	11-25S-37E
SJU Tract C #150	200' FNL & 1450' FEL	B	14-25S-37E
SJU Tract C #160	1500' FNL & 2250' FEL	G	14-25S-37E
SJU Tract C #170	2450' FSL & 2250' FEL	J	14-25S-37E
SJU Tract C #180	1000' FSL & 2350' FEL	O	14-25S-37E
SJU Tract C #190	100' FNL & 2350' FEL	B	23-25S-37E
SJU Tract C #200	1200' FNL & 2350' FEL	G	23-25S-37E
SJU Tract C #202	2500' FNL & 2350' FEL	G	23-25S-37E
SJU Tract D #120	1500' FNL & 50' FEL	H	11-25S-37E
SJU Tract D #130	2600' FSL & 330' FEL	I	11-25S-37E
SJU Tract D #140	1300' FSL & 330' FEL	P	11-25S-37E
SJU Tract D #150	100' FNL & 100' FEL	A	14-25S-37E
SJU Tract D #160	1700' FNL & 1100' FEL	H	14-25S-37E
SIU Tract D #170	2250' FSL & 1050' FEL	I	14-25S-37E

EXHIBIT "A"
APPROVED INJECTION WELLS
CASE NO. 10554
ORDER NO. R-9747

<i>Well Name</i>	<i>Location</i>	<i>Unit</i>	<i>S-T-R</i>
SJU Tract D #180	1050' FSL & 1050' FEL	P	14-25S-37E
SJU Tract D #190	200' FNL & 1100' FEL	A	23-25S-37E
SJU Tract D #200	1450' FNL & 1000' FEL	H	23-25S-37E
SJU Tract D #210	2500' FSL & 900' FEL	I	23-25S-37E
SJU Tract D #212	1400' FSL & 1050' FEL	I	23-25S-37E
SJU Tract D #220	200' FSL & 1150' FEL	P	23-25S-37E
SJU Tract D #230	1150' FNL & 950' FEL	A	26-25S-37E
SJU Tract D #240	2200' FNL & 1000' FEL	H	26-25S-37E
SJU Tract E #130	2500' FSL & 1200' FWL	L	12-25S-37E
SJU Tract E #132	1300' FSL & 1150' FWL	L	12-25S-37E
SJU Tract E #150	200' FNL & 1200' FWL	D	13-25S-37E
SJU Tract E #160	1500' FNL & 100' FWL	E	13-25S-37E
SJU Tract E #162	1650' FNL & 1150' FWL	E	13-25S-37E
SJU Tract E #170	2300' FSL & 230' FWL	L	13-25S-37E
SJU Tract E #180	1050' FSL & 400' FWL	M	13-25S-37E
SJU Tract E #190	200' FNL & 250' FWL	D	24-25S-37E
SJU Tract E #192	1350' FNL & 200' FWL	D	24-25S-37E
SJU Tract E #200	2500' FNL & 1250' FWL	E	25-25S-37E
SIU Tract E #210	2500' FSL & 150' FWL	L	24-25S-37E

EXHIBIT "A"
APPROVED INJECTION WELLS
CASE NO. 10554
ORDER NO. R-9747

<i>Well Name</i>	<i>Location</i>	<i>Unit</i>	<i>S-T-R</i>
SJU Tract E #212	1350' FSL & 250' FWL	L	24-25S-37E
SJU Tract E #220	10' FSL & 300' FWL	M	24-25S-37E
SJU Tract E #222	1300' FSL & 1250' FWL	M	24-25S-37E
SJU Tract E #230	1100' FNL & 250' FWL	D	25-25S-37E
SJU Tract E #240	2250' FNL & 300' FWL	E	25-25S-37E
SJU Tract E #250	1700' FSL & 300' FWL	L	25-25S-37E
SJU Tract E #260	250' FSL & 230' FWL	M	25-25S-37E
SJU Tract E #270	1100' FNL & 300' FWL	D	36-25S-37E
SJU Tract F #120	1450' FNL & 1350' FWL	F	12-25S-37E
SJU Tract F #150	100' FNL & 2420' FWL	C	13-25S-37E
SJU Tract F #160	1650' FNL & 2500' FWL	F	13-25S-37E
SJU Tract F #170	2150' FSL & 1400' FWL	K	13-25S-37E
SJU Tract F #180	1150' FSL & 1480' FWL	N	13-25S-37E
SJU Tract F #182	1150' FSL & 2550' FWL	N	13-25S-37E
SJU Tract F #190	10' FNL & 1450' FWL	C	24-25S-37E
SJU Tract F #192	1200' FNL & 1450' FWL	C	24-25S-37E
SJU Tract F #194	1200' FNL & 2480' FWL	C	24-25S-37E
SJU Tract F #200	2350' FNL & 2350' FWL	F	24-25S-37E
SJU Tract F #210	1350' FSL & 2400' FWL	K	24-25S-37E

EXHIBIT "A"
APPROVED INJECTION WELLS
CASE NO. 10554
ORDER NO. R-9747

<i>Well Name</i>	<i>Location</i>	<i>Unit</i>	<i>S-T-R</i>
SJU Tract F #220	200' FSL & 1350' FWL	N	24-25S-37E
SJU Tract F #230	990' FNL & 1650' FWL	C	25-25S-37E
SJU Tract F #240	2500' FNL & 1500' FWL	F	25-25S-37E
SJU Tract F #250	1650' FSL & 1650' FWL	K	25-25S-37E
SJU Tract F #260	100' FSL & 1500' FWL	N	25-25S-37E
SJU Tract F #270	1280' FNL & 1400' FWL	C	36-25S-37E
SJU Tract F #272	1300' FNL & 2600' FWL	C	36-25S-37E
SJU Tract F #280	2450' FNL & 1450' FWL	F	36-25S-37E
SJU Tract F #282	2550' FNL & 2580' FWL	F	36-25S-37E
SJU Tract F #290	1500' FSL & 1400' FWL	K	36-25S-37E
SJU Tract G #170	2250' FSL & 2550' FEL	J	13-25S-37E
SJU Tract G #172	2300' FSL & 1450' FEL	J	13-25S-37E
SJU Tract G #180	1150' FSL & 1450' FEL	O	13-25S-37E
SJU Tract G #182	50' FSL & 2600' FEL	O	13-25S-37E
SJU Tract G #184	50' FSL & 1450' FEL	O	13-25S-37E
SJU Tract G #190	1300' FNL & 1350' FEL	B	24-25S-37E
SJU Tract G #200	2630' FNL & 1450' FEL	G	24-25S-37E
SJU Tract G #210	1450' FSL & 1450' FEL	J	24-25S-37E
SJU Tract G #220	120' FSL & 2550' FEL	O	24-25S-37E

EXHIBIT "A"
APPROVED INJECTION WELLS
CASE NO. 10554
ORDER NO. R-9747

<i>Well Name</i>	<i>Location</i>	<i>Unit</i>	<i>S-T-R</i>
SJU Tract G #222	150' FSL & 1450' FEL	O	24-25S-37E
SJU Tract G #230	990' FNL & 2308' FEL	B	25-25S-37E
SJU Tract G #240	2250' FNL & 2450' FEL	G	25-25S-37E
SJU Tract G #250	1500' FSL & 2310' FEL	J	25-25S-37E
SJU Tract G #260	330' FSL & 2350' FEL	O	25-25S-37E
SJU Tract G #262	150' FSL & 1350' FEL	O	25-25S-37E
SJU Tract G #270	1100' FNL & 1350' FEL	B	36-25S-37E
SJU Tract G #280	2500' FNL & 1350' FEL	G	36-25S-37E
SJU Tract G #290	1450' FSL & 2610' FEL	J	36-25S-37E
SJU Tract G #292	1500' FSL & 1350' FEL	J	36-25S-37E
SJU Tract H #200	2600' FNL 7 100' FEL	H	24-25S-37E
SJU Tract H #210	1400' FSL & 330' FEL	I	24-25S-37E
SJU Tract H #220	330' FSL & 330' FEL	P	24-25S-37E
SJU Tract H #230	990' FNL & 990' FEL	A	25-25S-37E
SJU Tract H #232	1100' FNL & 150' FEL	A	25-25S-37E
SJU Tract H #240	2310' FNL & 990' FEL	H	25-25S-37E
SJU Tract H #242	2310' FNL & 150' FEL	H	25-25S-37E
SJU Tract H #250	1650' FSL & 330' FEL	I	25-25S-37E
SJU Tract H #260	330' ESL & 660' FEL	P	25-25S-37E

EXHIBIT "A"
APPROVED INJECTION WELLS
CASE NO. 10554
ORDER NO. R-9747

<i>Well Name</i>	<i>Location</i>	<i>Unit</i>	<i>S-T-R</i>
SJU Tract H # 270	1100' FNL & 150' FEL	A	36-25S-37E
SJU Tract H #280	2500' FNL & 150' FEL	H	36-25S-37E
SIU Tract I #260	330' ESL & 330' FEL	M	30-25S-38E

Lea County, New Mexico



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

November 4, 1992

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
15051 827-5800

ARCO Oil and Gas Company
c/o William F. Carr
Campbell, Carr, Berge & Sheridan, P.A.
P.O. Box 2208
Santa Fe, NM 87504-2208

RE: Administrative Amendment to Division Order No. R-9747

Dear Mr. Carr:

Reference is made to your letters dated October 28, 1992 requesting exceptions, pursuant to Division General Rule 104.F(1), for two unorthodox well locations, both previously approved by Division Order No. R-9747, issued in Case No. 10554 and dated October 23, 1992, and located in Section 24, Township 25 South, Range 37 East, NMPM, Justis Blinbry-Tubb-Drinkard Pool, South Justis Unit, Lea County, New Mexico.

Said Order No. R-9747 authorized ARCO Oil and Gas Company to institute its South Justis Unit Waterflood Project in portions of Townships 25 and 26 South, Range 37 and 38 East, NMPM, Lea County, New Mexico by permitting the injection of water into 98 existing or newly drilled wells.

At this time, ARCO is seeking to change the proposed locations of two particular wells due to minor difficulties encountered when actually staking the locations.

By the authority granted me under the provisions of General Rule 104.F. the following unorthodox well locations are hereby approved. Further, Exhibit "A" of Order No. R-9747 shall be amended to reflect the following location changes:

Lease Name and Well No.	Corresponding South Justis Unit Tract Designation and Well No.	Corrected Footage Location	Unit Letter
Ida Wimberly Well No. 18	Tract E Well No. 212	1350' FSL - 330' FWL	L
Wimberly "WN" Well No. 14	Tract E Well No. 192	1450' FNL - 330' FWL	E

202

see loc. same as for 192 - changed well #

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED
BY THE OIL CONSERVATION DIVISION FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 12153
ORDER NO. R-9747-A

APPLICATION OF ARCO PERMIAN FOR CERTIFICATION OF A POSITIVE
PRODUCTION RESPONSE WITHIN THE SOUTH JUSTIS UNIT WATERFLOOD
PROJECT, LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This case came on for hearing at 8:15 a.m. on April 15, 1999 at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 2nd day of December, 1999, the Division Director, having considered the testimony, the record and the recommendations of the Examiner,

FINDS THAT:

- (1) Due public notice has been given and the Division has jurisdiction of this case and its subject matter.
- (2) The applicant, ARCO Permian, seeks certification pursuant to Division Rule 30 of a positive production response within its South Justis Unit Waterflood Project Area, Lea County, New Mexico.
- (3) By Order No. R-9746 entered in Case No. 10533 on October 23, 1992, the Division, upon the application of ARCO Oil and Gas Company, approved the South Justis Unit Area comprising the following described 5360 acres, more or less, of state, federal, and fee lands in Lea County, New Mexico:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Section 11:	N/2, E/2 SW/4, and SE/4
Section 12:	W/2 and W/2 SE/4
Section 13:	All

Section 14:	E/2 and E/2 W/2
Section 23:	E/2, E/2 NW/4, and NE/4 SW/4
Sections 24 and 25:	All
Section 26:	NE/4, N/2 SE/4, and SE/4 SE/4
Section 35:	E/2 NE/4
Section 36:	All

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 19:	W/2 W/2
Section 30:	W/2 W/2
Section 31:	W/2 W/2

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM

Section 1:	N/2 NE/4
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(4) By Order No. R-9747 issued in Case No. 10554 on October 23, 1992, the Division: (i) authorized ARCO Oil and Gas Company to institute a waterflood project into the newly created Justis Blinbry-Tubb-Drinkard Pool (see Division Order No. R-9745 issued in Case No. 10552 and dated October 23, 1992) within the above-described South Justis Unit Area; (ii) designated this waterflood the South Justis Unit Waterflood Project; and (iii) qualified the South Justis Unit Waterflood Project Area as an "Enhanced Oil Recovery ("EOR") Project," pursuant to the "Enhanced Oil Recovery Act" (Sections 7-29A-1 through 7-29A-5 NMSA 1978).

(5) The South Justis Unit Waterflood Project's Phase I EOR Project Area was certified on July 26, 1993. No application for certification of a positive production response for the Phase I EOR Project Area was filed within five years of the date of this certification.

(6) The South Justis Unit Waterflood Project Phase IIA EOR Project Area was certified on January 5, 1994. The Phase IIA EOR Project Area includes the following described area in Lea County, New Mexico:

SOUTH JUSTIS UNIT WATERFLOOD PROJECT
PHASE IIA EOR PROJECT AREA

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Section 11:	E/2 SW/4, W/2 SW/4, and SE/4 SE/4
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Section 12: S/2 SW/4 and SW/4 SE/4
Section 13: NE/4, E/2 NE/4 NW/4, NE/4 SE/4 NW/4, N/2 NW/4
SE/4, and E/2 SE/4
Section 14: NE/4 NW/4
Section 24: E/2 NE/4

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 19: W/2 W/2
Section 30: W/2 NW/4 and SW/4 SW/4
Section 31: NW/4 NW/4

(7) The South Justis Unit Waterflood Project's Phase IIB and IIC EOR Project Areas were certified on May 1, 1995. The combined Phase IIB and IIC EOR Project Area in Lea County, New Mexico is described as follows:

SOUTH JUSTIS UNIT WATERFLOOD PROJECT
PHASE IIB AND IIC EOR PROJECT AREA

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Section 11: N/2 and NE/4 SE/4
Section 12: NW/4, N/2 SW/4 and NW/4 SE/4
Section 26: N/2 SE/4 and SE/4 SE/4
Section 35: E/2 NE/4
Section 36: S/2 N/2 and S/2

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 31: SW/4 NW/4 and W/2 SW/4

(8) Evidence and testimony presented by the applicant showed that the water injection commenced within the Phase IIA EOR Project Area in May, 1994 through six initial injection wells and within the Phases IIB and IIC EOR Project Area in May, 1995 through 12 initial injection wells. From 1994 through 1995, two additional injection wells were added in the Phase IIA EOR Project Area and three additional injection wells were added in the Phase IIB and IIC EOR Project Area.

(9) As of February 1999, 7,073, 945 barrels of water had been injected into the

Phase IIA EOR Project Area and 9,042,078 barrels of water had been injected in the Phase IIB and IIC EOR Project Area.

(10) The Phase IIA, IIB and IIC EOR Project Areas in the South Justis Unit Waterflood Project Area are fully developed with: (i) 22 producing wells, 8 injection wells, and 1 shut in well within the Phase IIA EOR Project Area; and (ii) 29 producing wells, 13 injection wells, and 3 shut in wells in the Phase IIB and IIC EOR Project Area.

(11) The production data submitted as evidence in this case indicates that a positive production response occurred immediately after injection commenced within the Phase IIA EOR Project Area in May, 1994 and in the Phase IIB and IIC EOR Project Area in May, 1995.

(12) A positive production response has occurred in the Phase IIA EOR Project Area and the Phase IIB and IIC EOR Project Area and the applications for certification of positive production responses for the Phase IIA, IIB, and IIC EOR Project Areas were timely filed with the Division on December 21, 1998, which was within the five-year time limit set by Division Rule 30.

(13) The producing wells shown on Exhibit "A" attached hereto should be eligible for the reduced tax rate.

(14) The operator of the South Justis Unit Waterflood Project should be required to notify the Division:

- (A) of the change in status of any of the producing wells shown on Exhibit "A";
- (B) in the event new producing wells are drilled within the Phase IIA, IIB, and IIC EOR Project Areas; and
- (C) of changes in operations within the South Justis Unit Waterflood Project's Phase IIA, IIB, and IIC EOR Project Areas that may affect the certification and resulting reduced tax rate granted herein.

(15) Pursuant to the provisions of Division Rule 30, the Division Director should notify the Secretary of the New Mexico Taxation and Revenue Department of the certification granted herein.

IT IS THEREFORE ORDERED THAT:

(1) Pursuant to Division Rule 30, the applications of ARCO Permian for certification of a positive production response within its South Justis Unit Waterflood Project Phase IIA, IIB, and IIC EOR Project Areas in Lea County, New Mexico are hereby approved.

(2) Within the following described areas, all Justis Blinebry-Tubb-Drinkard producing oil wells, which currently number 31 within the Phase IIA EOR Project Area and 45 within the Phase IIB and IIC EOR Project Area, as shown on Exhibit "A" attached hereto, shall be eligible for the recovered oil tax rate:

SOUTH JUSTIS UNIT WATERFLOOD PROJECT
PHASE IIA EOR PROJECT AREA

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Section 11: E/2 SW/4, W/2 SW/4, and SE/4 SE/4
Section 12: S/2 SW/4 and SW/4 SE/4
Section 13: NE/4, E/2 NE/4 NW/4, NE/4 SE/4 NW/4, N/2 NW/4
SE/4, and E/2 SE/4
Section 14: NE/4 NW/4
Section 24: E/2 NE/4

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 19: W/2 W/2
Section 30: W/2 NW/4 and SW/4 SW/4
Section 31: NW/4 NW/4; and

SOUTH JUSTIS UNIT WATERFLOOD PROJECT
PHASE IIB AND IIC EOR PROJECT AREA

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Section 11: N/2 and NE/4 SE/4
Section 12: NW/4, N/2 SW/4 and NW/4 SE/4
Section 26: N/2 SE/4 and SE/4 SE/4
Section 35: E/2 NE/4

Section 36: S/2 N/2 and S/2

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

Section 31: SW/4 NW/4 and W/2 SW/4

(3) Pursuant to the provisions of Division Rule 30, the Division Director shall notify the Secretary of the New Mexico Taxation and Revenue Department of the certification granted herein.

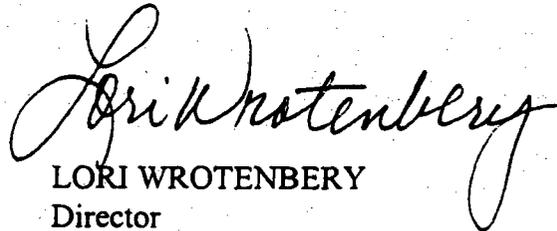
(4) The operator of the South Justis Unit Waterflood Project shall notify the Division:

- (A) of the change in status of any of the producing wells shown on Exhibit "A";
- (B) in the event new producing wells are drilled within the Phase IIA, IIB, and IIC EOR Project Areas; and
- (C) of changes in operations within the South Justis Unit Waterflood Project's Phase IIA, IIB, and IIC EOR Project Areas that may affect the certification and reduced tax rate.

(5) Jurisdiction of this case is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


LORI WROTENBERY
Director



SEAL

EXHIBIT A
CASE NO. 12153
DIVISION ORDER NO. R-9747-A
SOUTH JUSTIS UNIT WATERFLOOD PROJECT AREA
PHASE IIA, IIB, AND IIC ENHANCED OIL RECOVERY PROJECT AREAS

PHASE IIA EOR PROJECT AREA WELLS

<u>Well Name</u>	<u>Location</u>	<u>API Number</u>
B13	T-25-S, R-37-E, Sec. 11, 2160' FSL & 2310' FWL (K)	30-025-21078
B140	T-25-S, R-37-E, Sec. 11, 990' FSL & 2310' FWL (N)	30-025-21328
B150	T-25-S, R-37-E, Sec. 14, 330' FNL & 2310' FWL (C)	30-025-20848
C13	T-25-S, R-37-E, Sec. 11, 2310' FSL & 2310' FEL (J)	30-025-20544
C130	T-25-S, R-37-E, Sec. 11, 2500' FSL & 1650' FEL (J)	30-025-32316
C131	T-25-S, R-37-E, Sec. 11, 1655' FSL & 2200' FEL (J)	30-025-32322
C14	T-25-S, R-37-E, Sec. 11, 660' FSL & 1980' FEL (O)	30-025-20391
C140	T-25-S, R-37-E, Sec. 11, 1200' FSL & 1450' FEL (O)	30-025-32317
D14	T-25-S, R-37-E, Sec. 11, 355' FSL & 990' FEL (P)	30-025-20303
E14	T-25-S, R-37-E, Sec. 12, 990' FSL & 330' FWL (M)	30-025-22061
F14	T-25-S, R-37-E, Sec. 12, 450' FSL & 2010' FWL (N)	30-025-32342
F150	T-24-S, R-37-E, Sec. 13, 200' FNL & 2420' FWL (C)	30-025-32351
F160	T-25-S, R-37-E, Sec. 13, 1650' FNL & 2500' FWL (F)	30-025-32312
G14	T-25-S, R-37-E, Sec. 12, 430' FSL & 2310' FEL (O)	30-025-23838
G15	T-25-S, R-37-E, Sec. 13, 900' FNL & 2000' FEL (B)	30-025-32308
G16	T-25-S, R-37-E, Sec. 13, 2310' FNL & 1980' FEL (G)	30-025-11579
G172	T-25-S, R-37-E, Sec. 13, 2300' FSL & 1450' FEL (J)	30-025-32240
H15	T-25-S, R-37-E, Sec. 13, 990' FNL & 990' FEL (A)	30-025-25520
H16	T-25-S, R-37-E, Sec. 13, 2310' FNL & 990' FEL (H)	30-025-21461
H17	T-25-S, R-37-E, Sec. 13, 1650' FSL & 990' FEL (I)	30-025-11573
H18	T-25-S, R-37-E, Sec. 13, 660' FSL & 990' FEL (P)	30-025-11572
H19	T-25-S, R-37-E, Sec. 24, 675' FNL & 770' FEL (A)	30-025-32307
H20	T-25-S, R-37-E, Sec. 24, 1950' FNL & 650' FEL (H)	30-025-32306
I19	T-25-S, R-38-E, Sec. 19, 825' FNL & 330' FWL (D)	30-025-12419
I20	T-25-S, R-38-E, Sec. 19, 2310' FNL & 330' FWL (E)	30-025-12416
I21	T-25-S, R-38-E, Sec. 19, 2180' FSL & 330' FWL (L)	30-025-12422
I22	T-25-S, R-38-E, Sec. 19, 330' FSL & 330' FWL (M)	30-025-12408
I23	T-25-S, R-38-E, Sec. 30, 467' FNL & 467' FWL (D)	30-025-12437
I24	T-25-S, R-38-E, Sec. 30, 1650' FNL & 330' FWL (E)	30-025-12432
I260	T-25-S, R-38-E, Sec. 30, 330' FSL & 330' FWL (M)	30-025-12438
I27	T-25-S, R-38-E, Sec. 31, 330' FNL & 330' FWL (D)	30-025-12443

PHASE IIB AND IIC EOR PROJECT AREA WELLS

<u>Well Name</u>	<u>Location</u>	<u>API Number</u>
293	T-25-S, R-37-E, Sec. 36, 1500' FSL & 1400'FWL (K)	30-025-32638
296	T-25-S, R-37-E, Sec. 36, 2450'FNL & 1450' FWL (F)	30-02532636
297	T-25-S, R-37-E, Sec. 36, 1400' SFL & 1180' FEL (I)	30-025-32702
A11	T-25-S, R-37-E, Sec. 11, 330' FNL & 990' FWL (D)	30-025-20533
A12	T-25-S, R-37-E, Sec. 11, 1650' FNL & 990" FWL (E)	30-025-20995
B11	T-25-S, R-37-E, Sec. 11, 330' FNL & 2310' FWL (C)	30-025-20275
B110	T-25-S, R-37-E, Sec. 11, 900' FNL & 1650' FWL (C)	30-025-32321
B12	T-25-S, R-37-E, Sec. 11, 1650' FNL & 2310' FWL (F)	30-025-20547
C11	T-25-S, R-37-E, Sec. 11, 660' FNL & 2310' FEL (B)	30-025-20130
C12	T-25-S, R-37-E, Sec. 11, 2310' FNL & 2310' FEL (G)	30-025-11541
C120	T-25-S, R-37-E, Sec. 11, 1500' FNL & 1550' FEL (G)	30-025-32318
D11	T-25-S, R-37-E, Sec. 11, 990' FNL & 990' FEL (A)	30-025-21188
D12	T-25-S, R-37-E, Sec. 11, 2310' FNL & 990' FEL (H)	30-025-21058
D120	T-25-S, R-37-E, Sec. 11, 1500' FENL & 135' FEL (H)	30-025-32347
D13	T-25-S, R-37-E, Sec. 11, 1650' FSL & 990' FEL (I)	30-025-20994
D130	T-25-S, R-37-E, Sec. 11, 2580' FNL & 330' FEL (H)	30-025-32348
D140	T-25-S, R-37-E, Sec. 11, 1300'FSL & 260' FEL (P)	30-025-32349
D28	T-25-S, R-37-E, Sec. 35, 1650' FNL & 330' FEL (H)	30-025-20993
E11	T-25-S, R-37-E, Sec. 12, 660' FNL & 990' FWL (D)	30-025-24722
E12	T-25-S, R-37-E, Sec. 12, 1980' FNL & 990' FWL (E)	30-025-24686
E13	T-25-S, R-37-E, Sec. 12, 2310' FSL & 330' FWL (L)	30-025-22129
E130	T-25-S, R-37-E, Sec. 12, 2450' FSL & 1200' FWL (L)	30-025-32403
E132	T-25-S, R-37-E, Sec. 12, 1200' FSL & 1150' FWL (L)	30-025-32404
E29	T-25-S, R-37-E, Sec. 36, 2310' FSL & 990' FWL (L)	30-025-11921
F11	T-25-S, R-37-E, Sec. 12, 990' FNL & 1650' FWL (C)	30-025-24627
F12	T-25-S, R-37-E, Sec. 12, 2310' FNL & 1650' FWL (F)	30-025-24326
F120	T-25-S, R-37-E, Sec. 12, 1470' FNL & 1200' FWL (E)	30-025-32405
F13	T-25-S, R-37-E, Sec. 12, 1650' FSL & 1750' FWL (K)	30-025-23648
F28	T-25-S, R-37-E, Sec. 36, 1980' FNL & 1980' FWL (F)	30-025-11909
F282	T-25-S, R-37-E, Sec. 36, 2550' FNL & 2580' FWL (F)	30-025-32637
F29	T-25-S, R-37-E, Sec. 36, 1980' FSL & 1980' FWL (K)	30-025-11915
F30	T-25-S, R-37-E, Sec. 36, 990' FSL & 1980' FWL (N)	30-025-11920
G13	T-25-S, R-37-E, Sec. 12, 1750' FSL & 2310' FEL (J)	30-025-24168
G28	T-25-S, R-37-E, Sec. 36, 1980' FNL & 1980' FEL (G)	30-025-11901
G280	T-25-S, R-37-E, Sec. 36, 2500' FNL & 1350' FEL (G)	30-025-32343
G29	T-25-S, R-37-E, Sec. 36, 1980' FSL & 1980' FEL (J)	30-025-11916
G290	T-25-S, R-37-E, Sec. 36, 1450' FSL & 2610' FEL (J)	30-025-32344
G30	T-25-S, R-37-E, Sec. 36, 990' FSL & 1980' FEL (O)	30-025-11919
H28	T-25-S, R-37-E, Sec. 36, 1650' FNL & 660' FEL (H)	30-025-11908
H280	T-25-S, R-37-E, Sec. 36, 2590' FNL & 150' FEL (H)	30-025-32408
H29	T-25-S, R-37-E, Sec. 36, 2100' FSL & 660' FEL (I)	30-025-11917
H30	T-25-S, R-37-E, Sec. 36, 990' FSL & 660' FEL (P)	30-025-11918
I28	T-25-S, R-38-E, Sec. 31, 1815' FNL & 330' FWL (E)	30-025-12445
I29	T-25-S, R-38-E, Sec. 31, 1980' FSL & 330' FWL (L)	30-025-12444
I30	T-25-S, R-38-E, Sec. 31, 660' FSL & 660' FWL (M)	30-025-12442