

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

January 24, 1994

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

ANITA LOCKWOOD
CABINET SECRETARY

ARCO Oil and Gas Company
600 N. Marienfeld
Midland, TX 79701

Case 10554

Attention: Traci Scarbrough

**CERTIFICATION OF ENHANCED OIL RECOVERY PROJECT
FOR RECOVERED OIL TAX RATE**

The New Mexico Oil Conservation Division hereby certifies that the following Enhanced Oil Recovery Project has been approved by the Division as a secondary project, pursuant to the provisions of the *New Mexico Enhanced Oil Recovery Act* (Laws of 1992, Chapter 38). In order to qualify for the *Recovered Oil Tax Rate*, you must apply for certification of positive production response within five years from the date of this certification. Only production from that portion of the project area identified herein which is actually developed for enhanced recovery will qualify for the reduced tax rate.

If operation of this project is terminated for any reason, the operator of the project must notify this Division and the Secretary of the Taxation and Revenue Department not later than the thirtieth day after termination.

NAME OF PROJECT: South Justis Unit
OCD ORDER NO. R-9747
OPERATOR: ARCO Oil and Gas Company
ADDRESS: 600 N. Marienfeld
Midland, TX 79701
Attention: Traci Scarbrough
CERTIFICATION DATE: January 5, 1994

PROJECT AREA:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

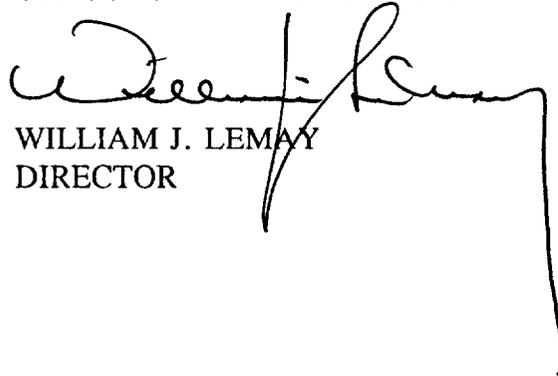
Section 11: E/2 SW/4, S/2 SE/4, NW/4 SE/4
Section 12: S/2 SW/4, SW/4 SE/4
Section 13: E/2 NE/4 NW/4, NE/4 SE/4 NW/4
NE/4, N/2 NW/4 SE/4, E/2 SE/4
Section 14: NE/4 NW/4
Section 24: E/2 NE/4

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM

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

APPROVED BY:

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LEMAY
DIRECTOR

S E A L

CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.
LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY

PATRICIA A. MATTHEWS
MICHAEL H. FELDEWERT
DAVID B. LAWRENZ
TANYA M. TRUJILLO

JACK M. CAMPBELL
OF COUNSEL

JEFFERSON PLACE
SUITE I - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
TELECOPIER: (505) 983-6043

January 5, 1994

HAND-DELIVERED

William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
State Land Office Building
Santa Fe, New Mexico 87503

JAN - 5

Re: South Justis Unit Area Waterflood Project
Certification to New Mexico Taxation and Revenue Division of qualified
"Enhanced Oil Recovery Project" - Phase II.

Dear Mr. LeMay:

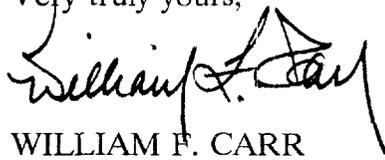
Division Order No. R-9747 entered on October 23, 1992 approved ARCO Oil and Gas Company's South Justis Unit Area Waterflood Project and qualified this project as an "Enhanced Oil Recovery Project" pursuant to the Enhanced Oil Recovery Act (Laws 1992, Chapter 38, Sections 1 through 5). Order Paragraph (12). This Order provided that Phase I and Phase II areas within the project may be independently certified by the Division to the New Mexico Taxation and Revenue Department. Order Paragraph (13). It further provided that to be eligible for the EOR credit, ARCO should advise the Division when water injection commences into Phase I and Phase II of the project and at such time request that the Division certify Phase I and/or Phase II to the New Mexico Taxation and Revenue Department. Order Paragraph (14). Phase I was certified by the Division effective July 26, 1993.

The purpose of this letter is to advise the Division that ARCO Oil and Gas Company plans to commence injection into Phase II of the South Justis Waterflood Project in the first quarter of 1994. Accordingly, ARCO requests that the Division certify Phase II to the New Mexico Taxation and Revenue Department as a qualified "Enhanced Oil Recovery Project" under the Enhanced Oil Recovery Act. Enclosed for this purpose is a draft of a Certification which identifies Phase II of this waterflood project.

William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
January 5, 1994
Page 2

Your attention to this request is appreciated.

Very truly yours,

A handwritten signature in black ink, appearing to read "William F. Carr". The signature is written in a cursive style with a large, stylized initial "W".

WILLIAM F. CARR
Attorney for ARCO Oil and Gas Company
WFC:mlh
Enclosure
cc: Traci Scarbrough

ARCO Oil and Gas Company
ATTN: Traci Scarbrough
600 N. Marienfeld
Midland, TX 79701

**CERTIFICATION OF ENHANCED OIL RECOVERY PROJECT
FOR RECOVERED OIL TAX RATE**

The New Mexico Oil Conservation Division hereby certifies that the following Enhanced Oil Recovery Project has been approved by the Division as a **secondary** project, pursuant to the provisions of the New Mexico *Enhanced Oil Recovery Act* (Laws of 1992, Chapter 38). In order to qualify for the *Recovered Oil Tax Rate*, you must apply for certification of positive production response within **five years** from the date of this certification. Only production from that portion of the project area identified herein which is actually developed for enhanced recovery will qualify for the reduced tax rate.

If operation of this project is terminated for any reason, the operator of the project must notify this Division and the Secretary of Taxation and Revenue not later than the thirtieth day after termination.

NAME OF PROJECT:	South Justis Unit
OCD ORDER NO.:	R-9747
OPERATOR: ADDRESS:	ARCO Oil and Gas Company Attn: Traci Scarbrough 600 N. Marienfeld Midland, TX 79701
CERTIFICATION DATE:	January 5, 1994

EOR Project Certification
South Justis Unit

PHASE II
PROJECT AREA

Township 25 South, Range 37 East, N.M.P.M.

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

Township 25 South, Range 38 East, N.M.P.M.

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

APPROVED

William J. LeMay
Director

seal



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



BRUCE KING
 GOVERNOR

ANITA LOCKWOOD
 CABINET SECRETARY

POST OFFICE BOX 2088
 STATE LAND OFFICE BUILDING
 SANTA FE, NEW MEXICO 87504
 (505) 827-5800

December 22, 1993

ARCO Oil and Gas Company
 P.O. Box 1610
 Midland, TX 79702

Case 10554

Attention: Ken W. Gosnell

RE: Administrative Amendment to Division Order R-9747.

Dear Mr. Gosnell:

Reference is made to your letter dated December 15, 1993 requesting exceptions, pursuant to Division General Rule 104.F(1), for six unorthodox oil well locations, all of which were approved by Division Order No. R-9747, issued in Case No. 10554 and dated October 23, 1992. Said wells to be located in either Section 12 or 36 of 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 Township 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 six particular wells as to avoid surface flow lines, the Texas-New Mexico and Sid Richardson pipelines, and the Big 3 CO₂ line that evidently ARCO's personnel were not aware existed at the time said Case No. 10554 was brought before the Division.

By the authority granted me under the provisions of General Rule 104.F(1) 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:

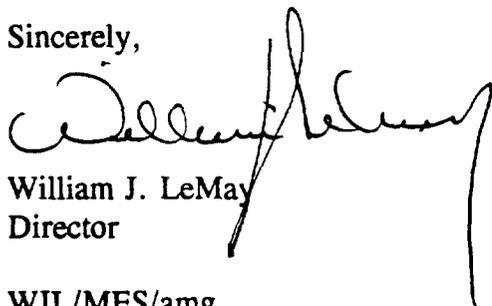
<i>Lease Name and Well No.</i>	<i>Section-Township-Range</i>	<i>Corrected Footage Location</i>	<i>Unit</i>
SJU Tract E No. 130	12-25S-37E	2450' FSL - 1200' FWL	L
SJU Tract E No. 132	12-25S-37E	1200' FSL - 1150' FWL	M
SJU Tract F No. 120	12-25S-37E	1470' FNL - 1200' FWL	E

ARCO Oil and Gas Company
Attention: Ken W. Gosnell
December 22, 1993
Page 2

<i>Lease Name and Well No.</i>	<i>Section-Township-Range</i>	<i>Corrected Footage Location</i>	<i>Unit</i>
SJU Tract G No. 270	36-25S-37E	1100' FNL - 1475' FEL	B
SJU Tract H No. 270	36-25S-37E	1100' FNL - 220' FEL	A
SJU Tract H No. 280	36-25S-37E	2590' FNL - 150' FEL	H

All other provisions of said Order No. R-9747 shall remain in full force and effect until further notice.

Sincerely,



William J. LeMay
Director

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach
File: Case No. 10554

ARCO Oil and Gas Company 
600 North Maricfield Street
Post Office Box 1010
Midland Texas 79702
Telephone 915 685 6200

CONSERVATION DIVISION
SANTA FE
12 15 1993 9 28

Western District

December 15, 1993

State of New Mexico
Oil Conservation Division
P. O. Box 2088
Sante Fe, NM 87504-2088
Attn: Michael E. Stogner

RE: Relocation of Wells

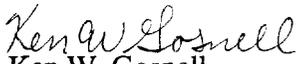
Dear sir:

As provided by Order R-9747, page 6, paragraph 10, ARCO is requesting administrative approval of the following relocated wells:

<u>Lease Name & Well Number</u>	<u>Corrected Footage</u>	<u>Sec-Twp-Rng</u>	<u>Unit</u>
SJU Tract E No. 130	2450 FSL & 1200 FWL	12-25S-37E	L
SJU Tract E No. 132	1200 FSL & 1150 FWL	12-25S-37E	L
SJU Tract F No. 120	1470 FNL & 1200 FWL	12-25S-37E	E
SJU Tract G No. 270	1100 FNL & 1475 FEL	36-25S-37E	B
SJU Tract H No. 270	1100 FNL & 220 FEL	36-25S-37E	A
SJU Tract H No. 280	2590 FNL & 150 FEL	36-25S-37E	H

Please find attached area plats showing the original location, proposed location and surface obstructions.

Sincerely,


Ken W. Gosnell
Agent
915 688-5672

KWG/sll

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

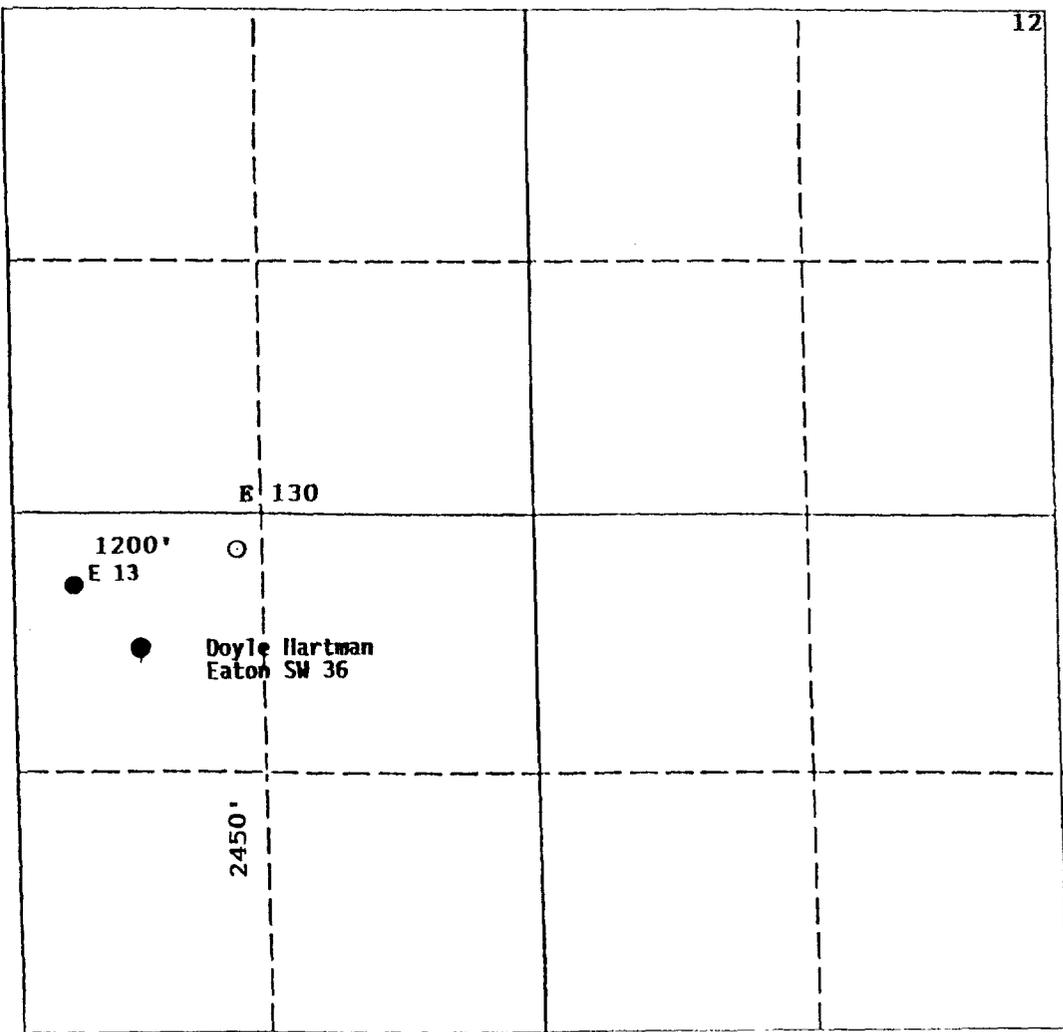
Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "E"		Well No. 130
Unit Letter L	Section 12	Township 25 S	Range 37 R	County Lea	
Actual Footage Location of Well:					
2450 feet from the South line and		1200 feet from the West line			
Ground level Elev. 3120'	Producing Formation Blbry-Tubb-Dkrd	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, forced 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
Agent

Company
ARCO Oil & Gas Company

Date
12-14-93

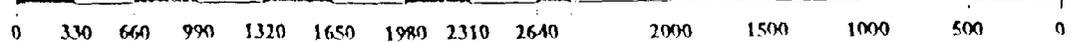
SURVEYOR CERTIFICATION

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
Sept. 24, 1993

Signature & Seal of Professional Surveyor
[Signature]

Certificate No.
648



LOCATION STAKING CHECK SHEET SOUTH AREA

1. AFE # 919497
2. Location name A. J. U. E #130
3. Location staked on original _____; alternate X
4. New legals if on alternate 2450 FSL 1200 FWL 12-255-37E
5. Surface concerns:
 - a. Overhead power lines : primary _____; secondary _____.
 - b. Buried lines: power _____, flow _____, gas X, or gas inj. _____.
 - c. Surface lines: flow _____, gas _____, or gas inj. _____.
 - d. Natural occurring obstacles _____.
6. Can a, b, or c be economically moved yes _____, or no X
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X
 - b. For well at least 8000 ft., (180 x 300) _____.
 - c. For well deep well 500 ft. x 500 ft., (includes pit area). _____.
8. Approximate pit size:
 - a. 80 ft. x 100 ft. _____.
 - b. 100 ft. x 120 ft. X
 - c. 120 ft. x 150 ft. _____.
 - d. 200 ft. x 200 ft. _____.
9. V-door direction : North X, East _____, South _____, or West _____.
10. Estimated length of new road to be constructed 800'
11. Approximate distance _____ ft and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____.
13. If farm land is it irrigated _____, or dry land _____.
14. Describe any other concerns Sid Richardson Gas line 70' N. of stake
New Road to go South. then west to existing Rd.
(can't go N. unless we put C.B. in Fence Line)

OK
RSP
9-24-93

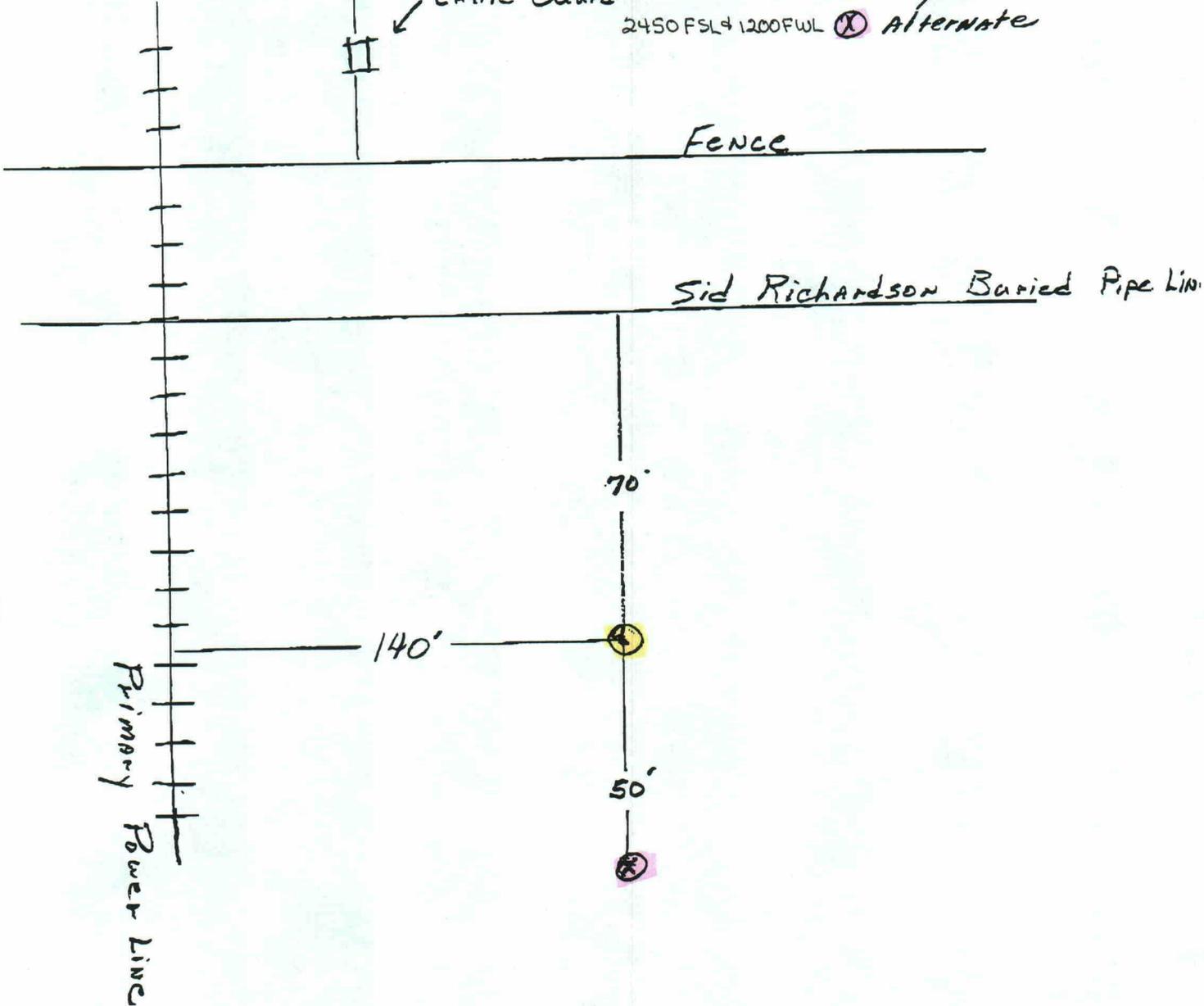
General Purpose Worksheet

Subject <u>A. J. U. E # 130</u>		Page No.	Of
File		By	Date

Fence

12-255-37E

Cattle Guard 2500 FSL & 1200 FWL ⊙ Original
 2450 FSL & 1200 FWL ⊗ Alternate



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

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

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

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

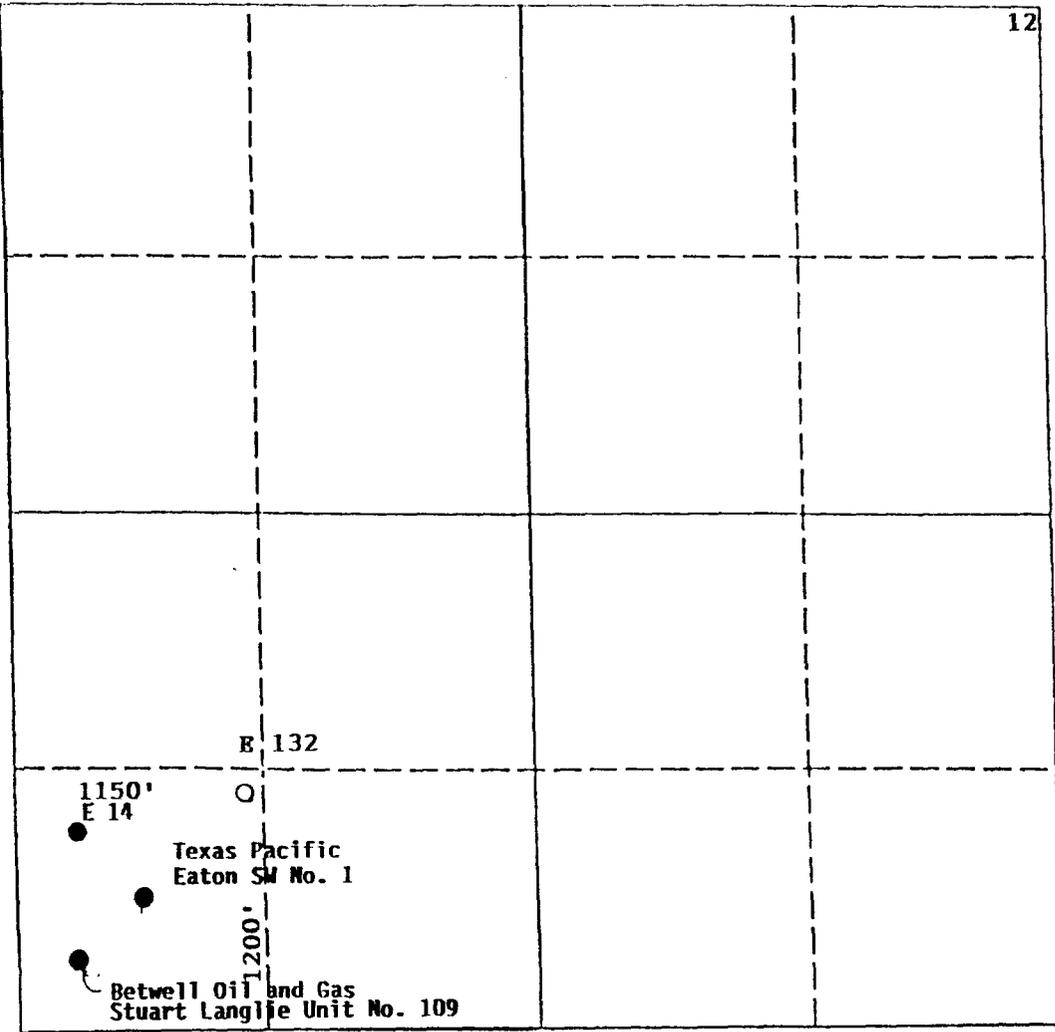
DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "E"		Well No. 132
Unit Letter M	Section 12	Township 25 S	Range 37 E	County Lea
Actual Footage Location of Well:				
1200 feet from the South line and 1150 feet from the West line				
Ground Level Elev. 3106'	Producing Formation Blbry-Tubb-Dkrd	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, forced-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
 Agent

Company
 ARCO Oil & Gas Company

Date
 12-14-93

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
 Sept. 24, 1993

Signature & Seal of Professional Surveyor
[Signature]

Certificate No.
 648

LOCATION STAKING CHECK SHEET SOUTH AREA

1. AFE # 919501
2. Location name S.T.U. F # 132
3. Location staked on original _____; alternate X
4. New legals if on alternate 1200 FSL 1150 FWA (AH#1) 12-255-37E
1415 FSL 1150 FWA (AH#2)
5. Surface concerns:
 - a. Overhead power lines : primary _____; secondary _____
 - b. Buried lines: power _____, flow X, gas _____, or gas inj. _____
 - c. Surface lines: flow X, gas _____, or gas inj. _____
 - d. Natural occurring obstacles _____
6. Can a, b, or c be economically moved yes _____, or no X
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X
 - b. For well at least 8000 ft., (180 x 300) _____
 - c. For well deep well 500 ft. x 500 ft., (includes pit area). _____
8. Approximate pit size:
 - a. 80 ft. x 100 ft. _____
 - b. 100 ft. x 120 ft. X
 - c. 120 ft. x 150 ft. _____
 - d. 200 ft. x 200 ft. _____
9. V-door direction : North _____, East _____, South X, or West X
AH#2 *Alt.#1*
10. Estimated length of new road to be constructed 800
11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____
13. If farm land is it irrigated _____, or dry land _____
14. Describe any other concerns Rice Engineering line 15' N. of stake
Flow lines coming into Pit can be moved (Arch Lines)
800' New Rd going West to existing Rd.

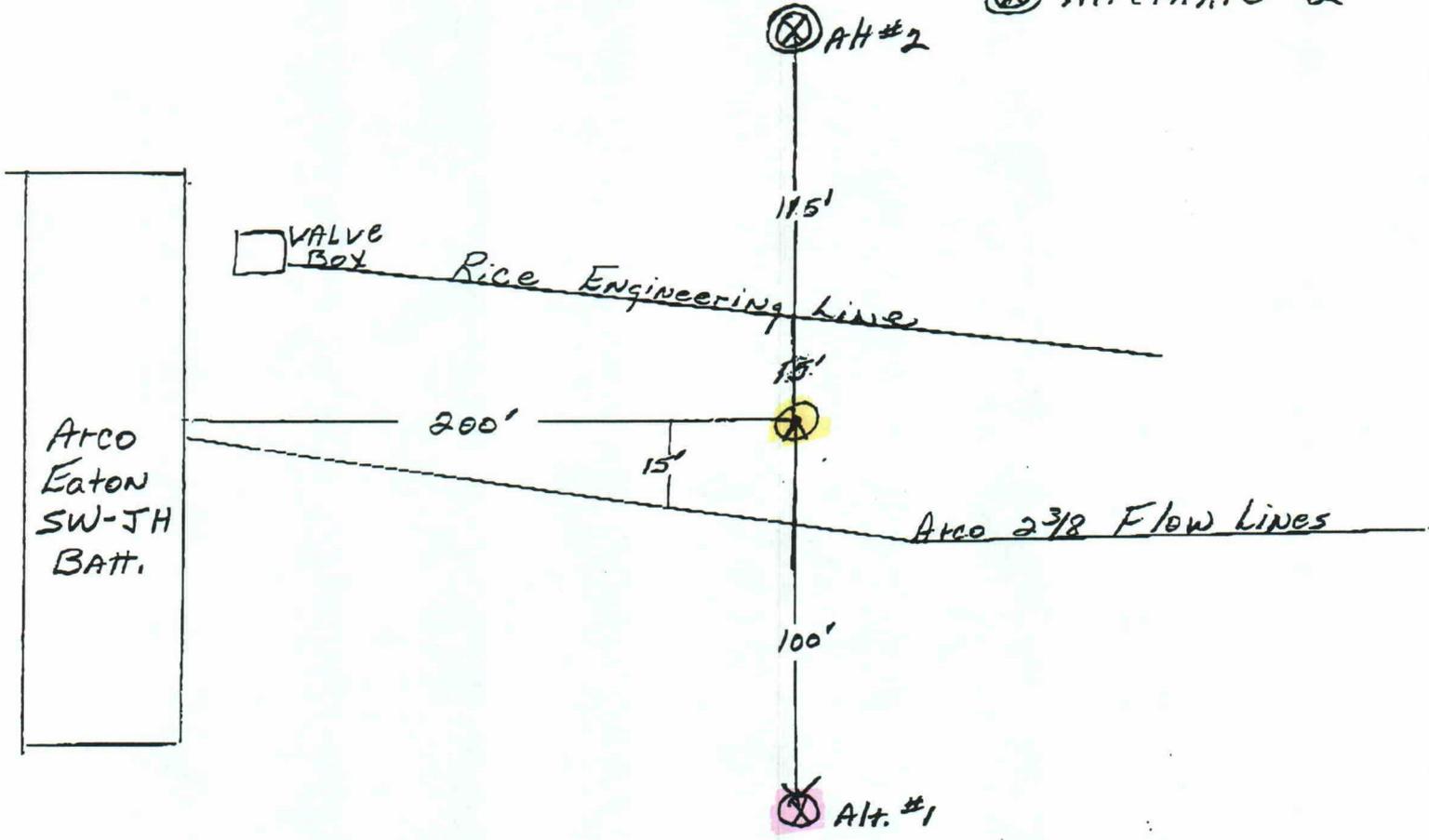
Alt #1
OK
RSP
9-24-93

General Purpose Worksheet

Subject	S.J.U.E. #132		Page No.	01
File			By	Date

12-255-37E
 1300 FSL & 1150 FWL
 1200 FSL & 1150 FWL

- ⊙ Original
- ⊗ Alternate #1
- ⊕ Alternate #2



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

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

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

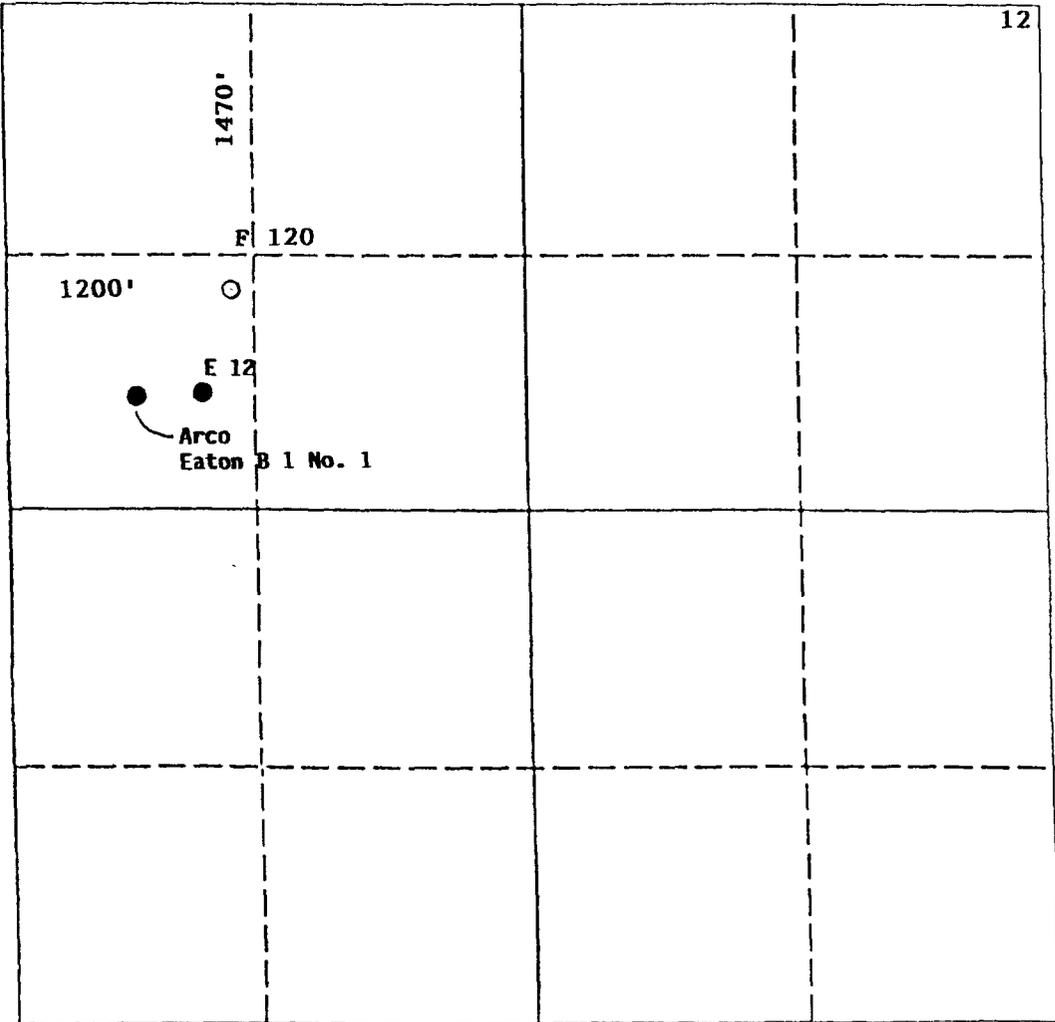
Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "F"		Well No. 120
Unit Letter E	Section 12	Township 25 S	Range 37 E	County Lea
Actual Footage Location of Well: 1470 feet from the North line and 1200 feet from the West line				
Ground level Elev. 3116'	Producing Formation Blbry-Tubb-Dkrd	Pool Justis	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
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Yes No If answer is "yes" type of consolidation _____

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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: **Agent**

Company: **ARCO Oil & Gas Company**

Date: **12-14-93**

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: **Sept. 24, 1993**

Signature & Seal of Professional Surveyor: *[Signature]*

Certificate No.: **648**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

LOCATION STAKING CHECK SHEET SOUTH AREA

- 1. AFE # 919683
- 2. Location name S. J. U. F - #120
- 3. Location staked on original _____; alternate X
- 4. New legals if on alternate 1470 FNL 1200 FWL 12-255-37E

5. Surface concerns:

- a. Overhead power lines : primary _____; secondary X
- b. Buried lines: power _____, flow _____, gas X, or gas inj. _____
- c. Surface lines: flow _____, gas _____, or gas inj. _____
- d. Natural occurring obstacles -

6. Can a, b, or c be economically moved yes _____, or no X

7. Location size (approximate): OK
RSP
9-24-93

- a. For well less than 8000 ft., (160 x 250) X
- b. For well at least 8000 ft., (180 x 300) _____
- c. For well deep well 500 ft. x 500 ft., (includes pit area). _____

8. Approximate pit size:

- a. 80 ft. x 100 ft. _____
- b. 100 ft. x 120 ft. X
- c. 120 ft. x 150 ft. _____
- d. 200 ft. x 200 ft. _____

9. V-door direction : North _____, East X, South _____, or West _____

10. Estimated length of new road to be constructed 300'

11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well

12. Normal land use: grazing _____, farming _____, or residential _____

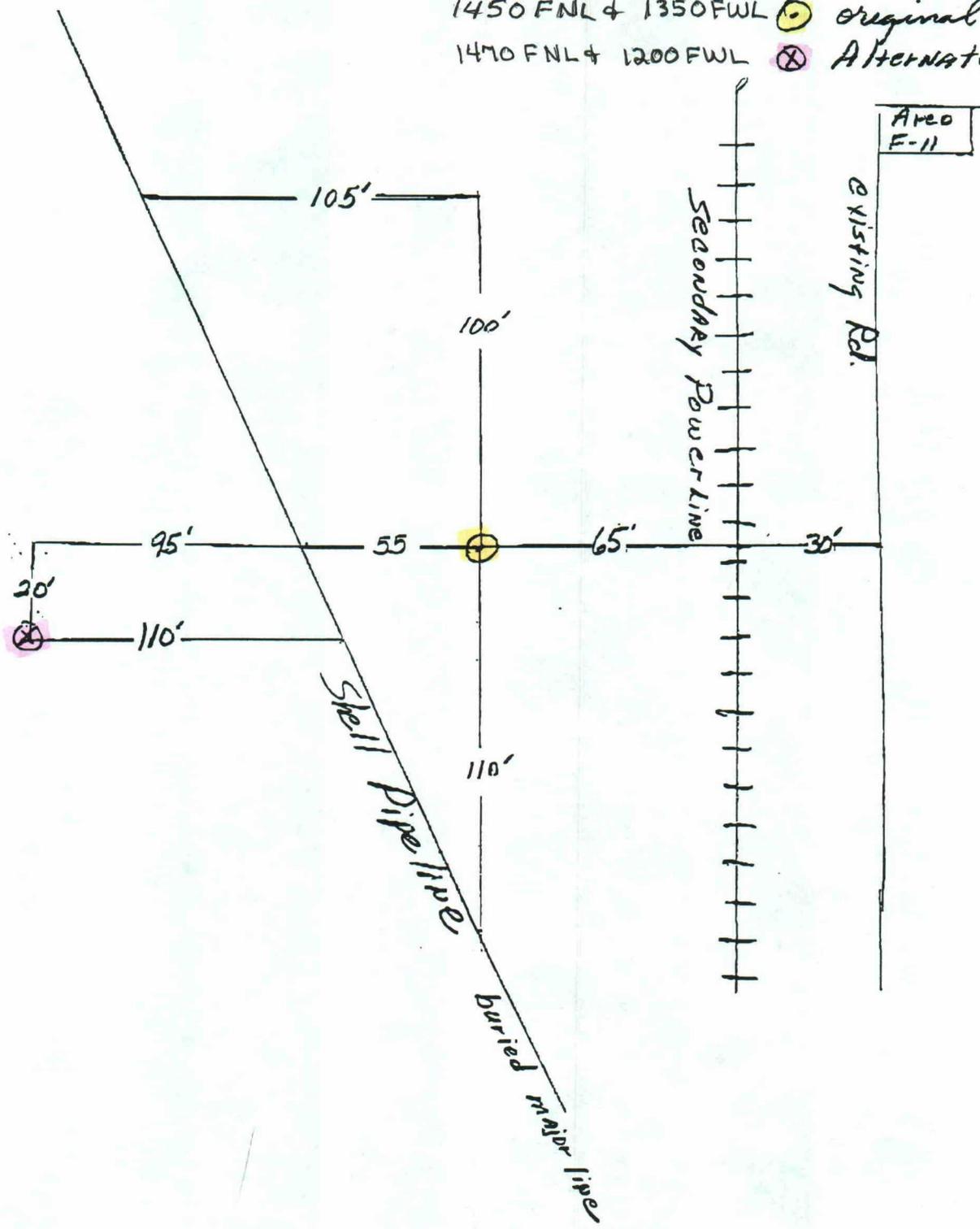
13. If farm land is it irrigated _____, or dry land _____

14. Describe any other concerns Move stake 150' West & 20' South
New Rd will go east of location 300' to existing Rd

General Purpose Worksheet

Subject	S. J. U. "F" #120		Page No.	Of
File	12-255-37E	By	Date	

1450 FNL & 1350 FWL ⊙ original
 1470 FNL & 1200 FWL ⊗ Alternate



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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

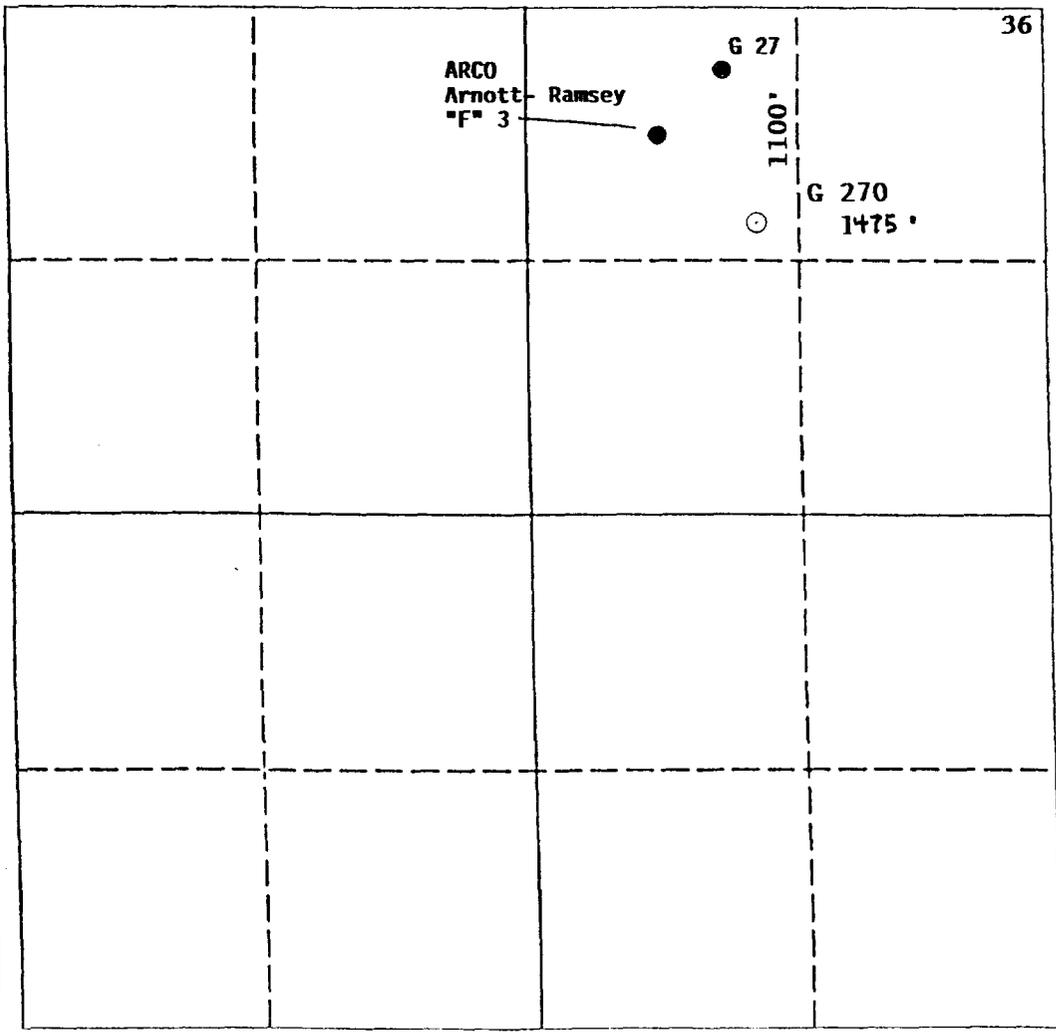
All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "G"		Well No. 270
Unit Letter B	Section 36	Township 25 S	Range 37 E	County NMPM	Lea
Actual Footage Location of Well:					
1100 feet from the North line and		1475 feet from the East line			
Ground level Elev. 3042'	Producing Formation Blbry-Tubb-Dkrd	Pool Justis	Dedicated Acreage: 40 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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.

Ken W. Gosnell
 Signature

Ken W. Gosnell
 Printed Name

Agent
 Position

ARCO Oil & Gas Company
 Company

12-15-93
 Date

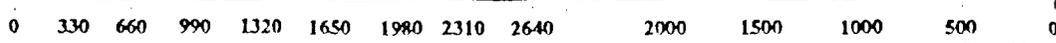
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Sept 22, 1993

Signature & Seal of Professional Surveyor
[Signature]

Certificate No.
648



LOCATION STAKING CHECK SHEET SOUTH AREA

1. AFE # 977063
2. Location name A. J. U. G # 270 (STATE)
3. Location staked on original _____; alternate X
4. New legals if on alternate 1100 FNL 1475 FEL 36-25S-37E
5. Surface concerns:
 - a. Overhead power lines : primary _____; secondary _____
 - b. Buried lines: power _____, flow _____, gas X, or gas inj. _____
 - c. Surface lines: flow X, gas _____, or gas inj. _____
 - d. Natural occuring obstacles _____
6. Can a, b, or c be economically moved yes _____, or no X
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X
 - b. For well at least 8000 ft., (180 x 300) _____
 - c. For well deep well 500 ft. x 500 ft., (includes pit area). _____

OK
RSP
9-30-93
8. Approximate pit size:
 - a. 80 ft. x 100 ft. _____
 - b. 100 ft. x 120 ft. X
 - c. 120 ft. x 150 ft. _____
 - d. 200 ft. x 200 ft. _____
9. V-door direction : North _____, East X, South _____, or West _____
10. Estimated length of new road to be constructed 200'
11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____
13. If farm land is it irrigated _____, or dry land _____
14. Describe any other concerns Shell Pipe line 25' West of stake
Arco Flow Lines can be moved
New Road goes South to existing Road

General Purpose Worksheet

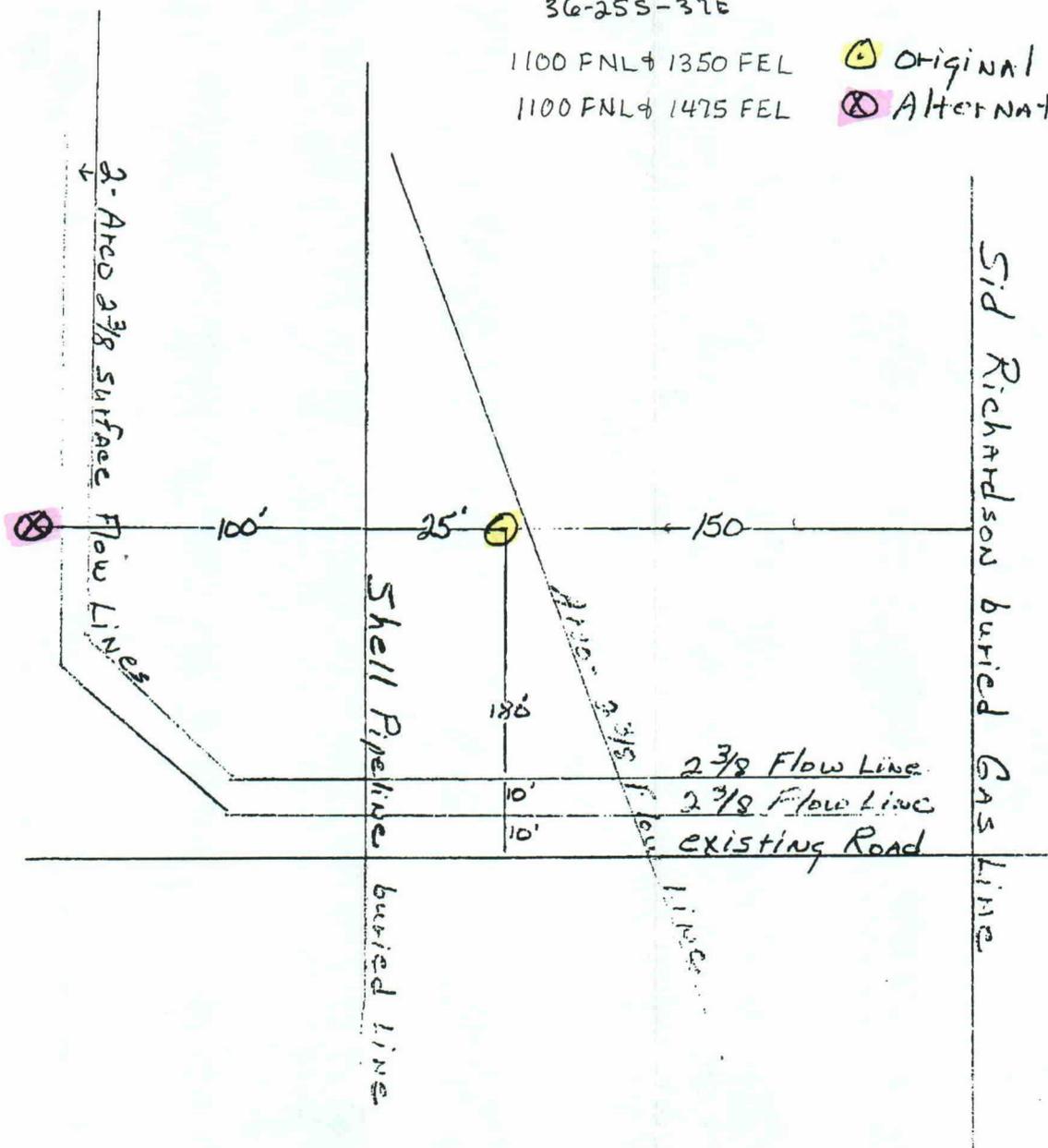
Subject	S. J. U. G # 270		Page No.	Of
File			By	Date

36-255-37E

1100 FNL & 1350 FEL

1100 FNL & 1475 FEL

⊙ ORIGINAL
 ⊗ ALTERNATE



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

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

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

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

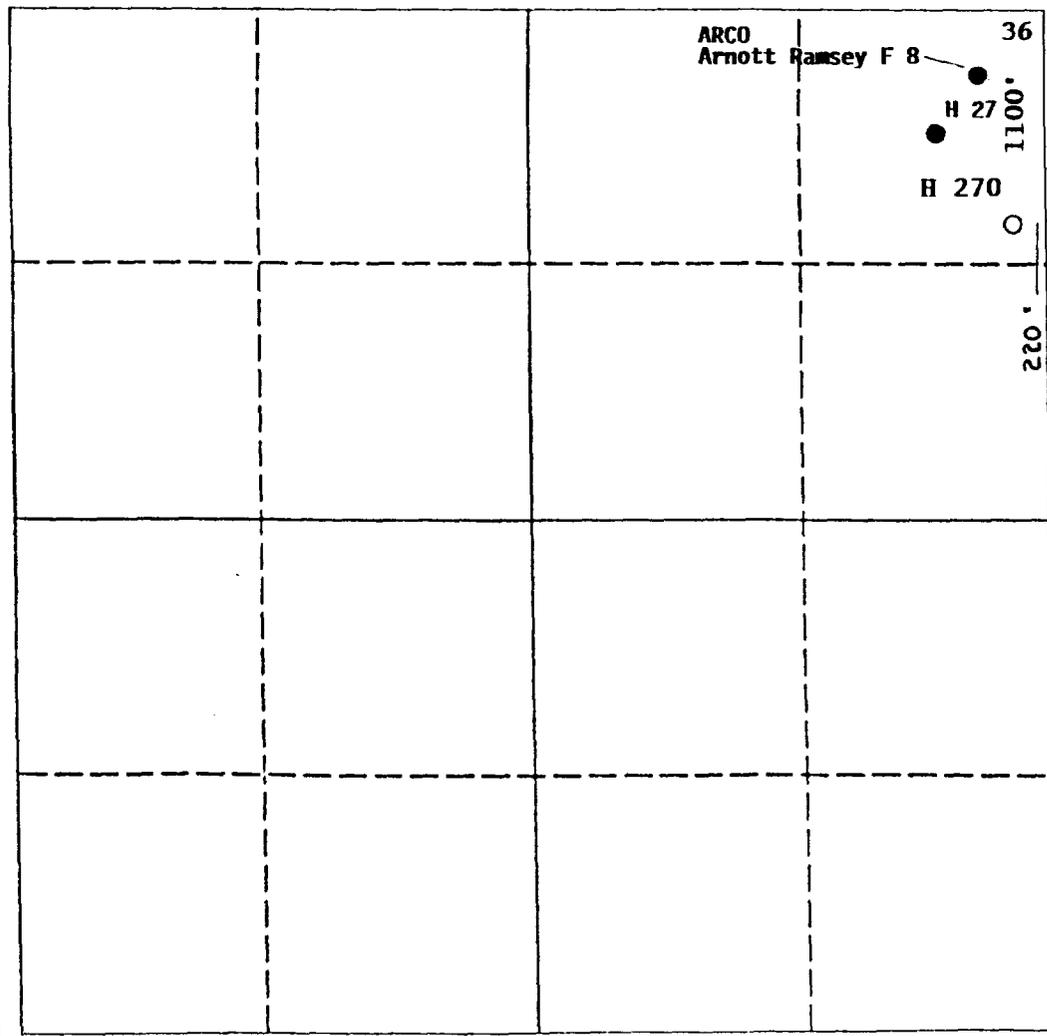
DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "H"		Well No. 270
Unit Letter A	Section 36	Township 25 S	Range 37 E	County Lea
Actual Footage Location of Well: 1100 feet from the North line and 220 feet from the East line				
Ground level Elev. 3044'	Producing Formation Blbry-Tubb-Dkrd	Pool Justis	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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: Agent
 Company: ARCO Oil & Gas Company
 Date: 12-14-93

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: **Sept. 22, 1993**
 Signature & Seal of Professional Surveyor: *[Signature]*
 Certificate No.: **648**

LOCATION STAKING CHECK SHEET SOUTH AREA

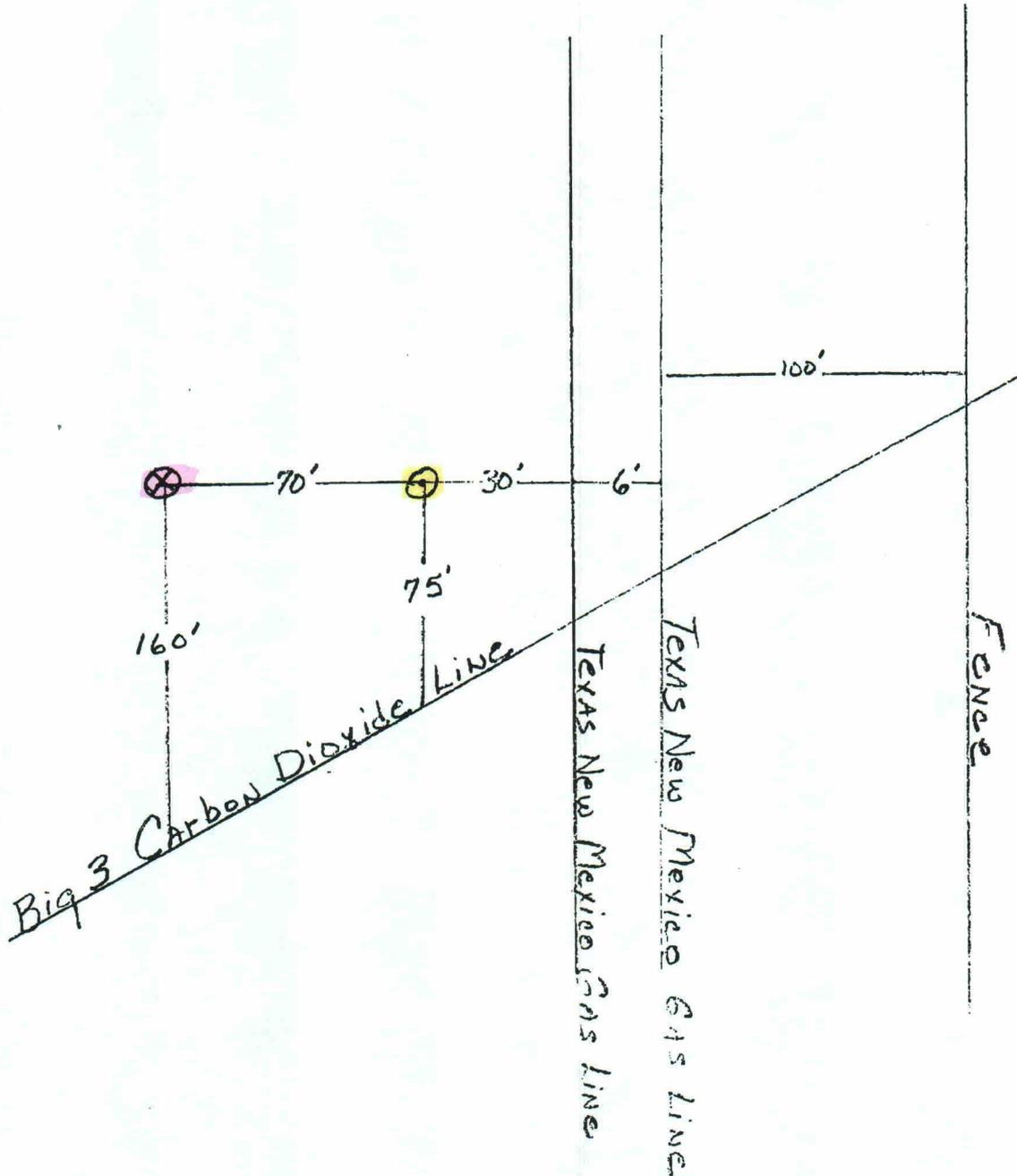
1. AFE # 977187
2. Location name S. J. U. 'H' # 270 (STATE) _____
3. Location staked on original _____; alternate X
4. New legals if on alternate 1100 FNL 220 FEL 36-255-37E
5. Surface concerns:
 - a. Overhead power lines : primary _____; secondary _____
 - b. Buried lines: power _____, flow _____, gas X, or gas inj. _____
 - c. Surface lines: flow _____, gas _____, or gas inj. _____
 - d. Natural occuring obstacles _____
6. Can a, b, or c be economically moved yes _____, or no X

OK
RSP
9-30-93
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X
 - b. For well at least 8000 ft., (180 x 300) _____
 - c. For well deep well 500 ft. x 500 ft., (includes pit area). _____
8. Approximate pit size:
 - a. 80 ft. x 100 ft. _____
 - b. 100 ft. x 120 ft. X
 - c. 120 ft. x 150 ft. _____
 - d. 200 ft. x 200 ft. _____
9. V-door direction : North _____, East X, South _____, or West _____
10. Estimated length of new road to be constructed 200'
11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____
13. If farm land is it irrigated _____, or dry land _____
14. Describe any other concerns 2-Texas New Mexico Pipelines 30' to East 4 Big 3 Pipeline 75' South. Alt. 70' to the West New Road to go West 200' to existing Road

General Purpose Worksheet

Subject	S. J. U. 'H' # 270		Page No.	Of
File	36-255-37E 1100 FNL & 150 FEL 1100 FNL & 220 FEL	By	Date	

O ORIGINAL
X ALTERNATE



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

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

SIRICLI
 P.O. Box 1980, Hobbs, NM 88240

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

SIRICLI III
 P.O. Box Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

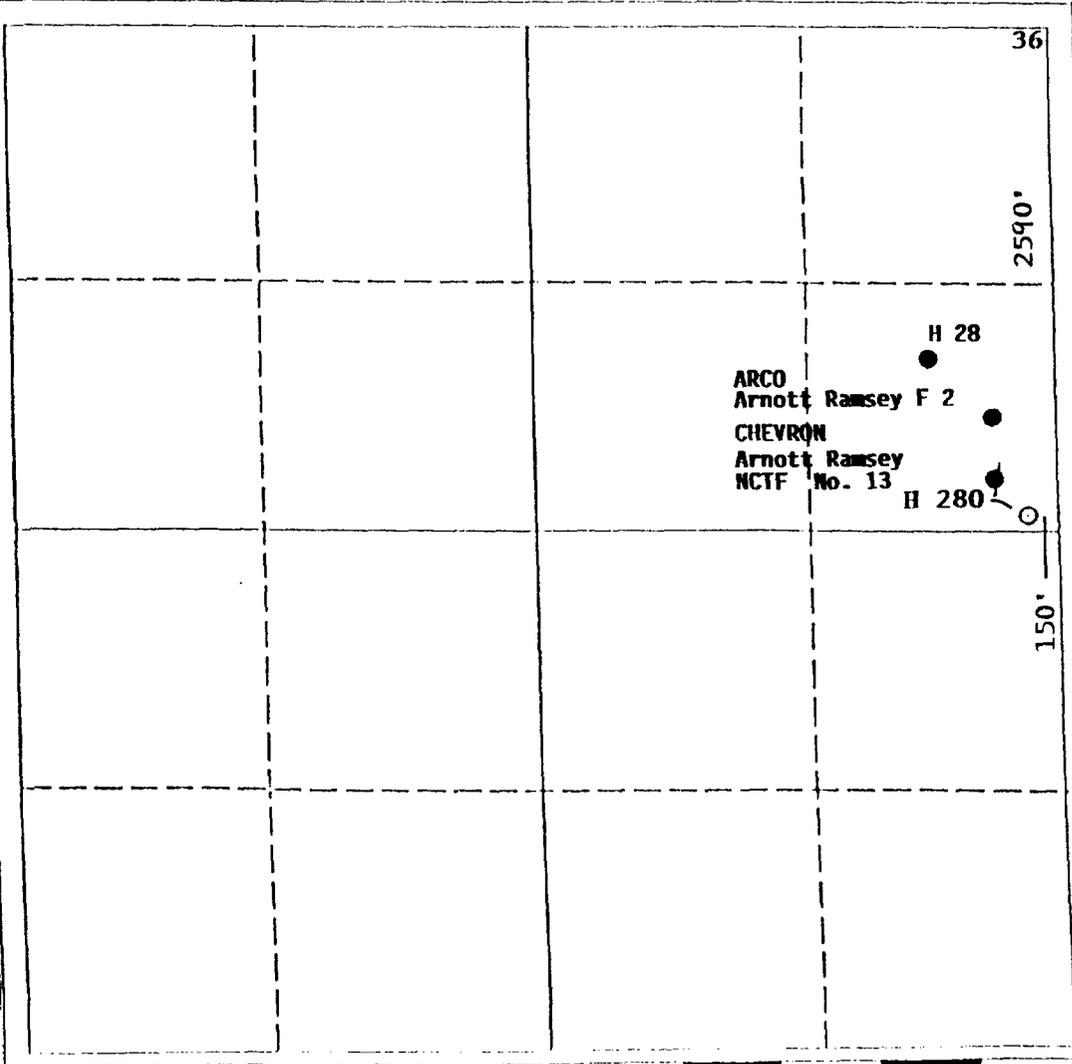
All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "H"		Well No. 280
Unit Letter H	Section 36	Township 25 S	Range 37 E	County NMPM	Lea
Actual Footage Location of Well: 2590 feet from the North line and 150 feet from the East line Ground level Elev. 3036' Producing Formation Blbry-Tubb-Dkrd 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, forced 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: **Agent**
 Company: **ARCO Oil & Gas Company**
 Date: **12-14-93**

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: **Sept. 23, 1993**
 Signature & Seal of Professional Surveyor: *Ken W. Gosnell*
 Certificate No.: **648**

LOCATION STAKING CHECK SHEET SOUTH AREA

- 1. AFE # 977195
- 2. Location name S. J. U. 'H' #280 (STATE)
- 3. Location staked on original _____; alternate X
- 4. New legals if on alternate 2590 FNL 150 FEL 36-255-37E

5. Surface concerns:

- a. Overhead power lines : primary -; secondary -
- b. Buried lines: power _____, flow _____, gas X, or gas inj. _____
- c. Surface lines: flow -, gas -, or gas inj. -
- d. Natural occurring obstacles -

6. Can a, b, or c be economically moved yes _____, or no X

OK
RSP
9-30-93

7. Location size (approximate):

- a. For well less than 8000 ft., (160 x 250) X
- b. For well at least 8000 ft., (180 x 300) _____
- c. For well deep well 500 ft. x 500 ft., (includes pit area). _____

8. Approximate pit size:

- a. 80 ft. x 100 ft. _____
- b. 100 ft. x 120 ft. X
- c. 120 ft. x 150 ft. _____
- d. 200 ft. x 200 ft. _____

9. V-door direction : North _____, East _____, South _____, or West X

10. Estimated length of new road to be constructed 200'

11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.

12. Normal land use: grazing X, farming _____, or residential _____

13. If farm land is it irrigated _____, or dry land _____

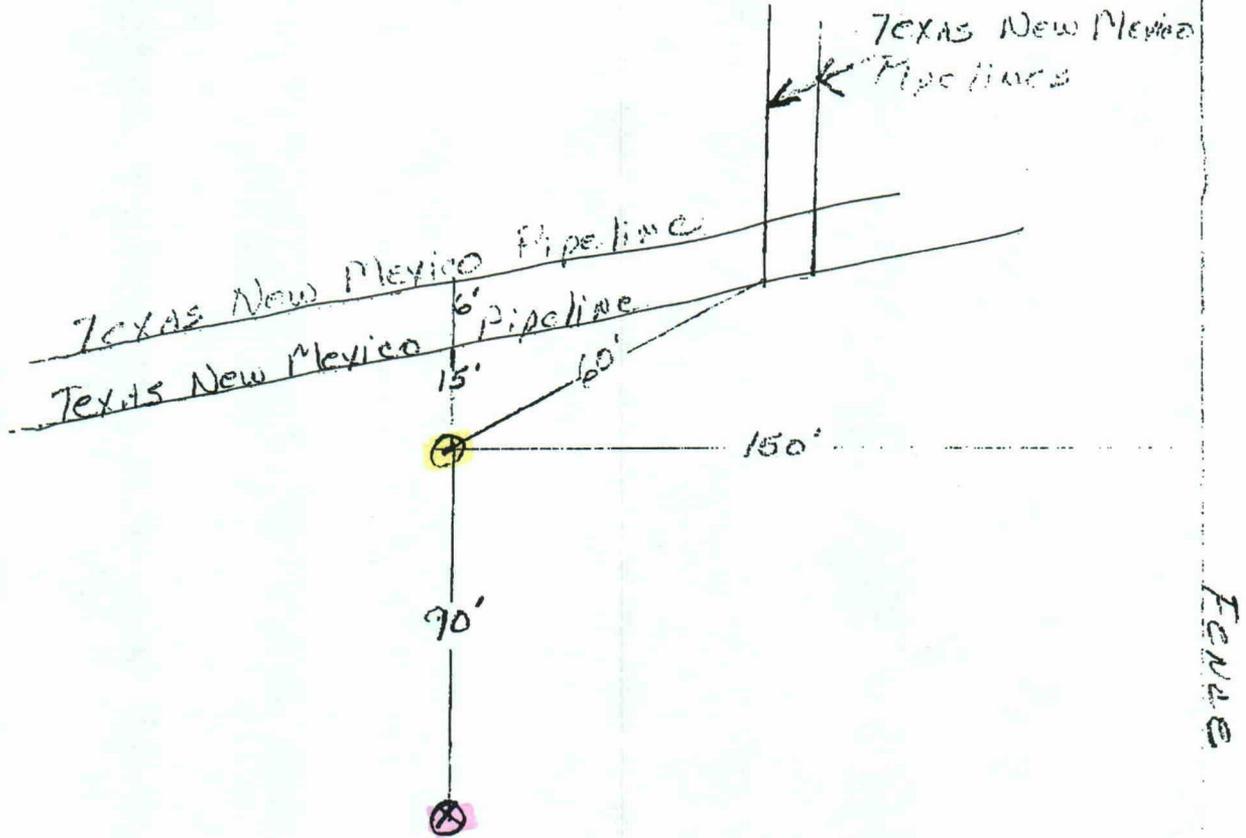
14. Describe any other concerns 2 - Texas New Mexico Pipelines 15' North
Alt. 90' South
New Road to go west 200' to existing Road

General Purpose Worksheet

Subject	S.J.U. 'H' # 280		Page No.	Of
File	By	Date		

36-255-37E
 2500 FNL + 150 FEL
 2590 FNL + 150 FEL

⊙ ORIGINAL
 ⊗ ALTERNATE



CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.
LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY

PATRICIA A. MATTHEWS
MICHAEL H. FELDEWERT

JACK M. CAMPBELL
OF COUNSEL

CASE NO. 10554

JEFFERSON PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE (505) 988-4421
TELECOPIER (505) 983-6043

October 28, 1992

HAND-DELIVERED

Michael E. Stogner
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
State Land Office Building
Santa Fe, New Mexico 87503

RECEIVED

OCT 28 1992

OIL CONSERVATION DIV.
SANTA FE

Re: Unorthodox Well Location Ida Wimberley No. 18
~~Wimberley WN No. 14 Well~~
(South Justis Unit Well: Tract E # ~~12~~)
1450' FNL and 330' FWL
Section 24, Township 25 South, Range 37 East,
Lea County, New Mexico

Dear Mr. Stogner:

This letter is written in response to our conversation of October 26, 1992, concerning confusion which exists about ARCO's application for administrative approval of an unorthodox well location for its Wimberley WN No. 14 Well.

This confusion results from the following facts:

1. In September, 1992, ARCO filed an application for approval of its proposed South Justis Unit Waterflood Project and, as part of this application, requested approval of an unorthodox location for the Wimberley WN No. 14 Well 1350 feet from the North line and 200 feet from the West line of Section 24, Township 25 South, Range 37 East, Lea County, New Mexico. A hearing on this application was held on September 17, 1992. At this hearing testimony was presented concerning the need to relocate certain injection and producing wells, from time to time, and ARCO requested an administrative procedure for approval of these potential location changes. (*See* Order No. R-9747, findings 11, 12, 13, 14 and 15).

Michael E. Stogner
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
October 28, 1992
Page 2

2. ARCO filed an application for administrative approval of an unorthodox location for the Wimberley WN No. 14 Well on September 23, 1992 pursuant to the provisions of Division Rule 104 C. I. By this application ARCO seeks administrative approval of an unorthodox well location for the Wimberley WN No. 14 Well 1450 feet from the North line and 330 feet from the West line of said Section 24.
3. By Order No. R-9747 entered on October 23, 1992, the Division approved ARCO's application for a waterflood project and the first proposed unorthodox location for the Wimberley WN No. 14 Well (1350 feet from the North line and 200 feet from the West line of Section 24). This order also authorized the Division Director, pursuant to the provisions of Rule 104, to administratively approve the relocation of injection and producing wells to unorthodox locations within the unit area. (*See* Order No. R-9747, decretory paragraph 10).

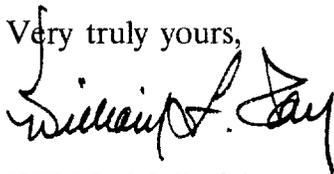
ARCO now requests that the Division Director, pursuant to the provisions of Order No. R-9747 and Rule 104, administratively approve the relocation of the Wimberley WN No. 14 Well to an unorthodox location 1450 feet from the North line and 330 feet from the West line of Section 24, Township 25 South, Range 37 East, N.M.P.M., Lea County, New Mexico.

Enclosed are copies of ARCO's September 23, 1992 application, with attachments, which show that all offsetting acreage is operated by ARCO and that all other requirements of Rule 104 for administrative approval of this application have been met.

ARCO hopes to commence the drilling by November 1, 1992 to enable it to obtain and evaluate core and production data on this well prior to the commencement of operations in its South Justis Unit. Accordingly, expedited treatment of this application will be appreciated.

If you have any questions concerning this application, please advise.

Very truly yours,



WILLIAM F. CARR
ATTORNEY FOR ARCO OIL AND GAS COMPANY
WFC:mlh
Enclosures
cc: Mr. Richard S. Prentice

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

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

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

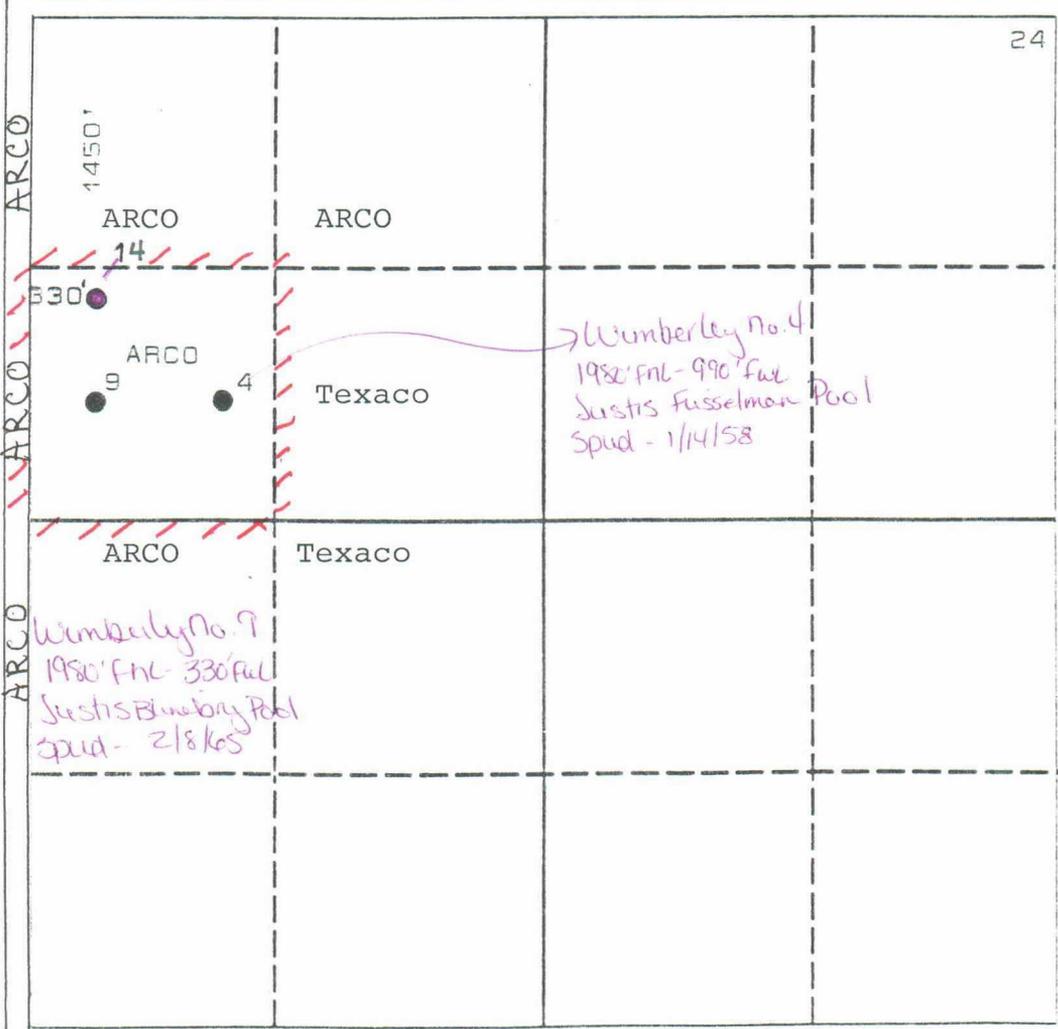
DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210

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

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	
Unit Letter E	Section 24	Township 25 S	Range 37 E	County NMPM	Lea
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 hachure 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, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

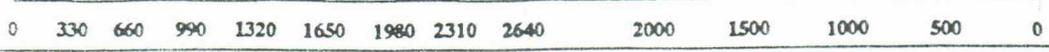


OPERATOR CERTIFICATION
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: *Ken W. Gosnell*
 Printed Name: **Ken W. Gosnell**
 Position: **Regulatory Coordinator**
 Company: **ARCO Oil & Gas Co.**
 Date: **9-16-92**

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**



ARCO Oil and Gas Company

Western District
1000 Marmon
Midland, Texas 79701
Post Office Box 1000
Midland, Texas 79701
Telephone 815 688-1111

OIL CONSERVATION DIVISION
RECEIVED

'92 SEP 23 PM 9 08

September 16, 1992

State of New Mexico
Department of Energy and Minerals
P. O. Box 2088
Santa Fe, NM 87504-2088

Re: Unorthodox Location
Wimberly WN # 14
1450 FNL & 330 FWL
24-25S-37E, Lea County

Gentlemen:

An Exception to Rule 104 C. I. by administration approval is requested for ARCO's Wimberly WN # 14.

This well will initially be a producer, but eventually will be an injector in a proposed secondary recovery project. This location is necessary for an efficient production and injection pattern. The proposed unit already has an "Operators Unit Agreement" and is scheduled for a "Unitization Hearing" this month (September 92).

See attached Form C-102 and area map-showing offset operators, completed wells and wells to be drilled. A copy of this application has been sent to Texaco.

Sincerely,

Ken W. Gosnell
Ken W. Gosnell
Regulatory Coordinator
915 688-5672

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

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

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

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	
Unit Letter E	Section 24	Township 25 S	Range 37 E	County NMPM	
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	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</p> <p>3. 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.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>					



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 Co.

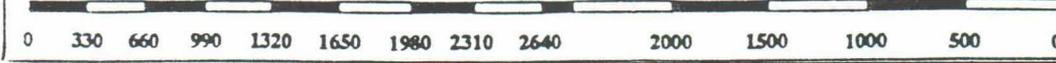
Date
 9-16-92

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
Jim Saunders

Certificate No.
 648



ARCO Oil and Gas Company

Western District
300 N. Marquette
Midland, Texas 79701
Post Office Box 1117
Midland, Texas 79702
Telephone 815-688-4000

OIL CONSERVATION DIVISION
RECEIVED

'92 SEP 23 PM 9 08

September 16, 1992

State of New Mexico
Department of Energy and Minerals
P. O. Box 2088
Santa Fe, NM 87504-2088

Re: Unorthodox Location
Wimberly WN # 14
1450 FNL & 330 FWL
24-25S-37E, Lea County

Gentlemen:

An Exception to Rule 104 C. I. by administration approval is requested for ARCO's Wimberly WN # 14.

This well will initially be a producer, but eventually will be an injector in a proposed secondary recovery project. This location is necessary for an efficient production and injection pattern. The proposed unit already has an "Operators Unit Agreement" and is scheduled for a "Unitization Hearing" this month (September 92).

See attached Form C-102 and area map-showing offset operators, completed wells and wells to be drilled. A copy of this application has been sent to Texaco.

Sincerely,

Ken W. Gosnell
Ken W. Gosnell
Regulatory Coordinator
915 688-5672

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

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

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

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

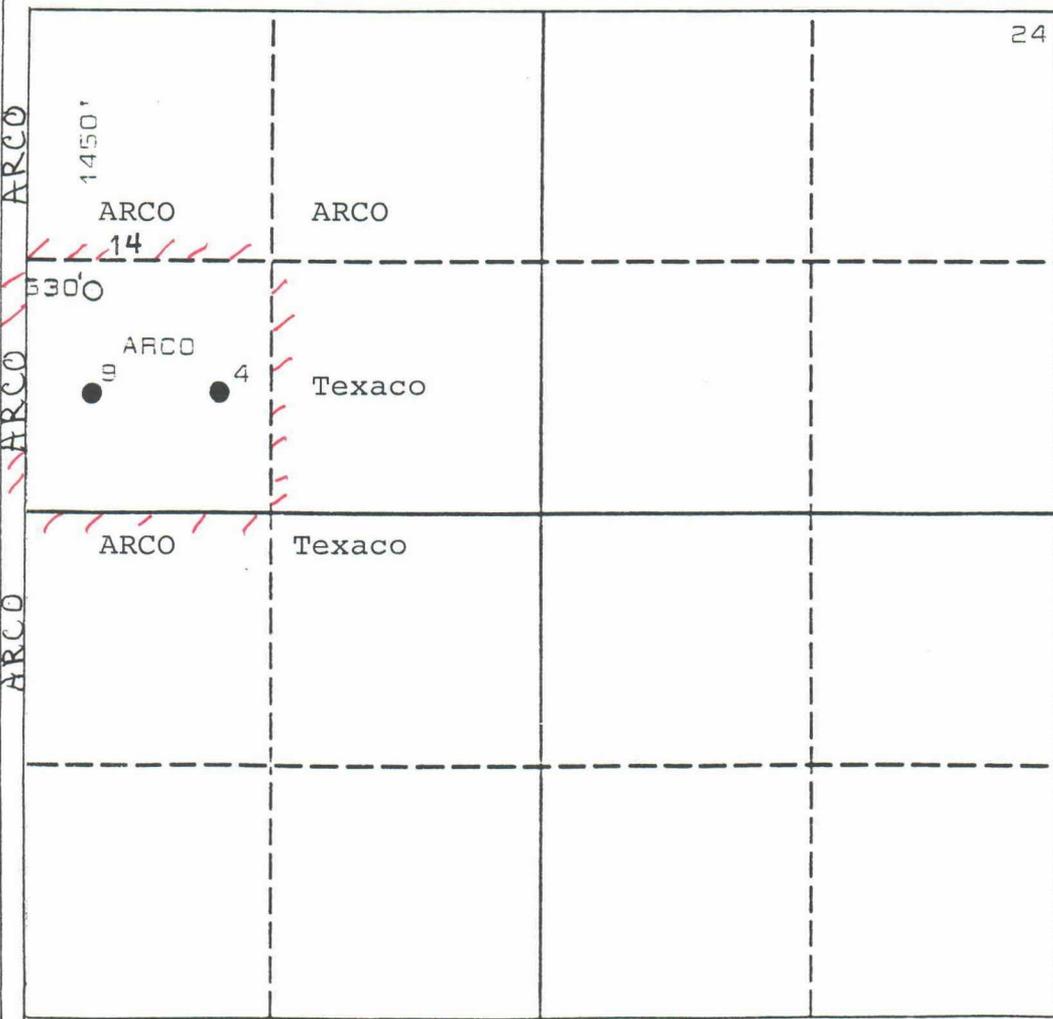
DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

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
Unit Letter	Section	Township	Range	County		Lea		
E	24	25 S	37 E	NMPM				
Actual Footage Location of Well:								
1450		feet from the North		line and		330		feet from the West
								line
Ground level Elev.		Producing Formation		Pool		Dedicated Acreage:		
3084'		Tubb Drinkard		Justis		40 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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 Co.

Date: 9-16-92

SURVEYOR CERTIFICATION

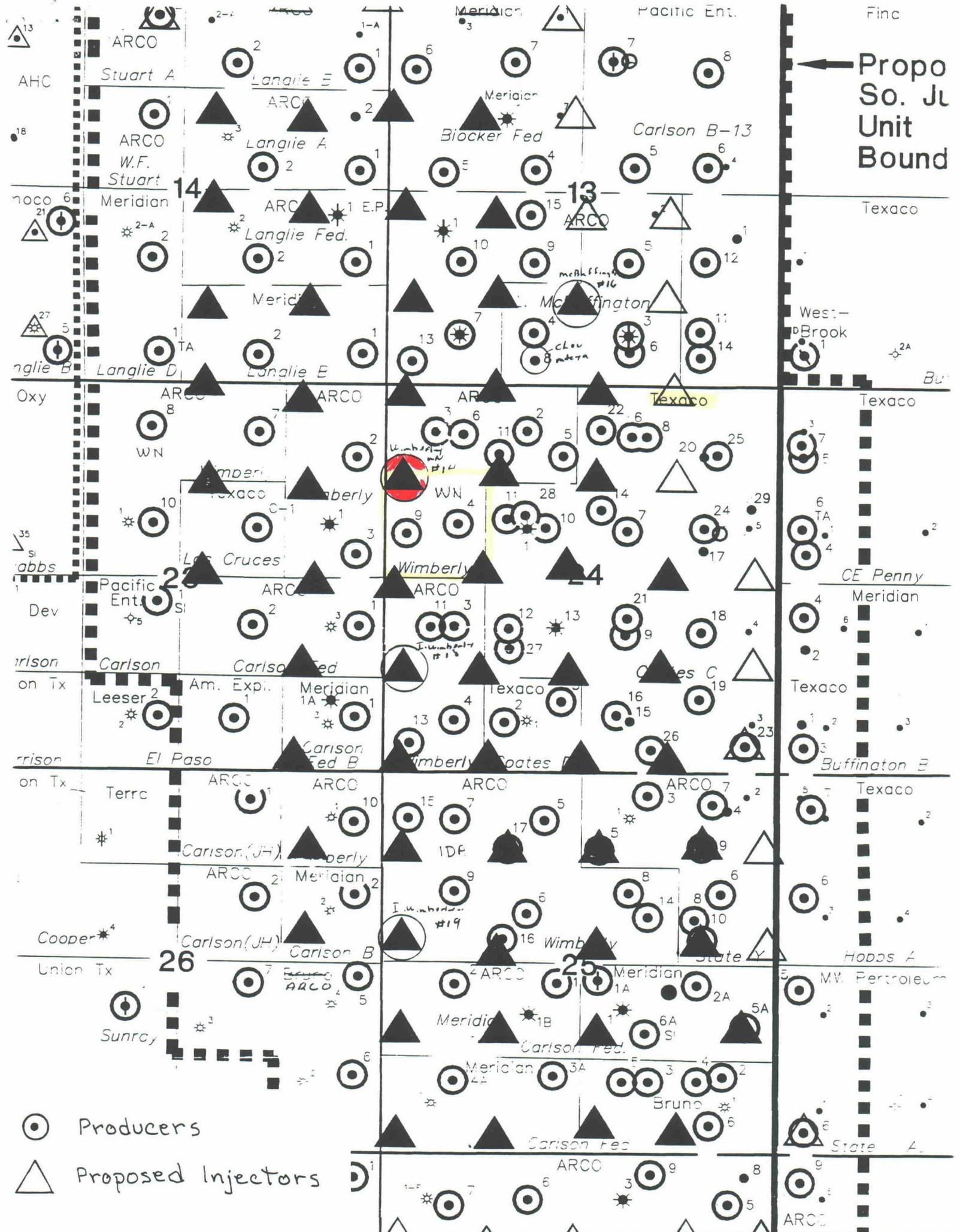
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: Aug. 31, 1992

Signature & Seal of Professional Surveyor: *Jim Saunders*

Certificate No. 648

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0



⊙ Producers

△ Proposed Injectors



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
 (505) 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.

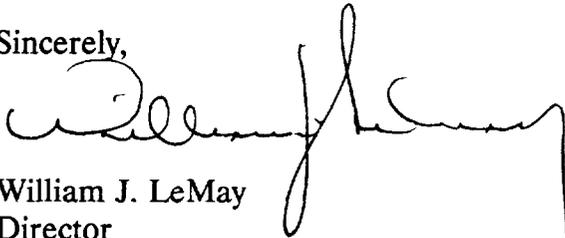
By the authority granted me under the provisions of General Rule 104.F. the following unorthodox well locations are hereby approved. Further, Exhibit "A" of Order No. R-9747 shall be amended to reflect the following location changes:

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

ARCO Oil and Gas Company
c/o William F. Carr
November 4, 1992
Page 2

All other provisions of said Order No. R-9747 shall remain in full force and effect until further notice.

Sincerely,

A handwritten signature in black ink, appearing to read 'William J. LeMay'. The signature is written in a cursive style with a long horizontal stroke extending to the right.

William J. LeMay
Director

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach
File: Case No. 10554



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

October 5, 1994

ARCO Oil and Gas Company
P.O. Box 1610
Midland, TX 79702

Attention: Ken W. Gosnell

RE: Administrative Amendment to Division Order R-9747

Dear Mr. Gosnell:

Reference is made to your letter dated August 26, 1994 requesting an exception, pursuant to Division General Rule 104.F(1), for an unorthodox oil well location in Section 36, Township 25 South, Range 37 East, NMPM, Justis Blinebry-Tubb-Drinkard Pool, South Justis Unit, Lea County, New Mexico, which was approved by Division Order R-9747, issued in Case No. 10554 and dated October 23, 1992.

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 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 its SJU Tract "G" Well No. 292 as to avoid an archeological site.

By the authority granted me under the provisions of General Rule 104.F(1), the following unorthodox well location is hereby approved. Further, Exhibit "A" of Order No. R-9747 shall be amended to reflect the following location change:

*SJU Tract "G" Well No. 292
1400' FSL - 1180' FEL (Unit 1)
of Section 36, Township 25 South, Range 37 East, NMPM,
Lea County, New Mexico.*

Administrative Amendment to Division Order R-9747
ARCO Oil and Gas Company
October 5, 1994
Page 2

All other provisions of said Order No. R-9747 shall remain in full force and effect until further notice.

Sincerely,

A handwritten signature in cursive script that reads "William J. LeMay" followed by the initials "MES".

William J. LeMay
Director

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach
File: Case No. 10554



ARCO Permian
 600 North Marienfeld
 Midland TX 79701-4373
 PO Box 1610
 Midland TX 79702-1610
 Telephone 915 688 5200

RECEIVED
 OIL CONSERVATION DIVISION
 SEP 13 1994
 8 8 50

August 26, 1994

State of New Mexico
 Oil Conservation Division
 P. O. Box 2088
 Santa Fe, New Mexico 87504-2088

Case 10554

Attention: Michael E. Stogner

Re: Relocation of a Well

Dear Sir:

As provided by Order R-9747, issued in Case No. 10554 and dated October 23, 1992, ARCO is requesting administrative approval for the relocation of a well.

<u>Lease Name & Well Number</u>	<u>Corrected Footage</u>	<u>Sec-Twp-Rge</u>	<u>Unit</u>
SJU Tract G 292	1400 FSL & 1180 FEL	36-25S-37E	I

The original location fell within a large archaeological site. Please find attached area plat showing the original location, propose location and surface obstructions.

Sincerely,

Ken W. Gosnell
 Ken W. Gosnell
 Agent
 (915) 688-5672

KWG:cv

Attachment

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

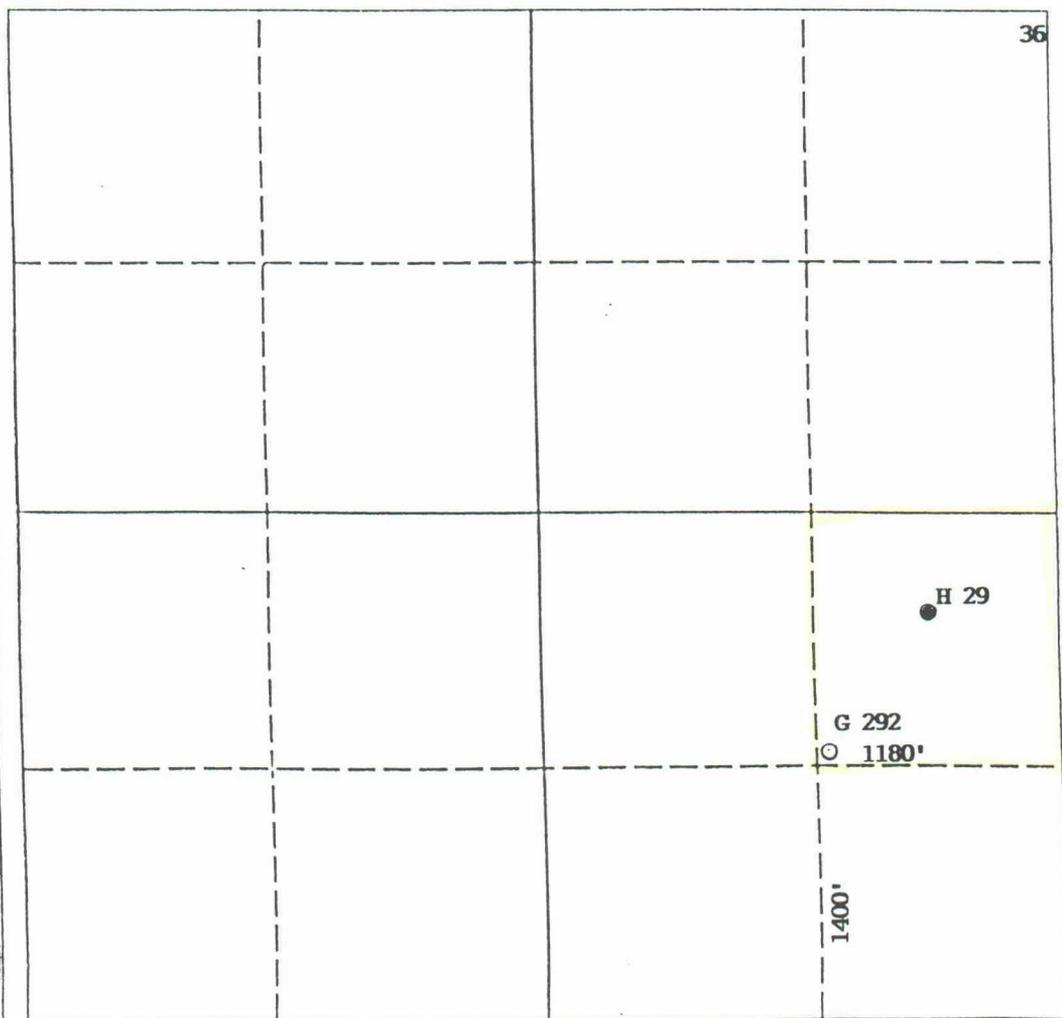
Operator ARCO Permian			Lease South Justis Unit "G"		Well No. 292
Unit Letter I	Section 36	Township 25 S	Range 37 E	County Lea	
Actual Footage Location of Well:					
1400 feet from the South line and		1180 feet from the East line			
Ground level Elev. 3032'	Producing Formation Blinbry-Tubb-Drinkard		Pool Justis	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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.

Ken W. Gosnell

Signature
Ken W. Gosnell

Printed Name
Agent

Position
ARCO permian

Company
August 26, 1994

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Aug. 23, 1994

Signature & Seal of
Professional Surveyor

Joseph Saunders

Certificate No.

648



ARCO Permian
600 North Marienfeld
Midland TX 79701-4373
PO Box 1610
Midland TX 79702-1610
Telephone 915 688 5200

August 26, 1994

State of New Mexico
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Attention: Michael E. Stogner

Re: Relocation of a Well

Dear Sir:

As provided by Order R-9747, issued in Case No. 10554 and dated October 23, 1992, ARCO is requesting administrative approval for the relocation of a well.

<u>Lease Name & Well Number</u>	<u>Corrected Footage</u>	<u>Sec-Twp-Rge</u>	<u>Unit</u>
SJU Tract G 292	1400 FSL & 1180 FEL	36-25S-37E	I

The original location fell within a large archaeological site. Please find attached area plat showing the original location, propose location and surface obstructions.

Sincerely,

Ken W. Gosnell
Ken W. Gosnell
Agent
(915) 688-5672

KWG:cv

Attachment

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

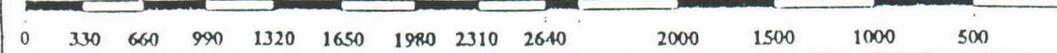
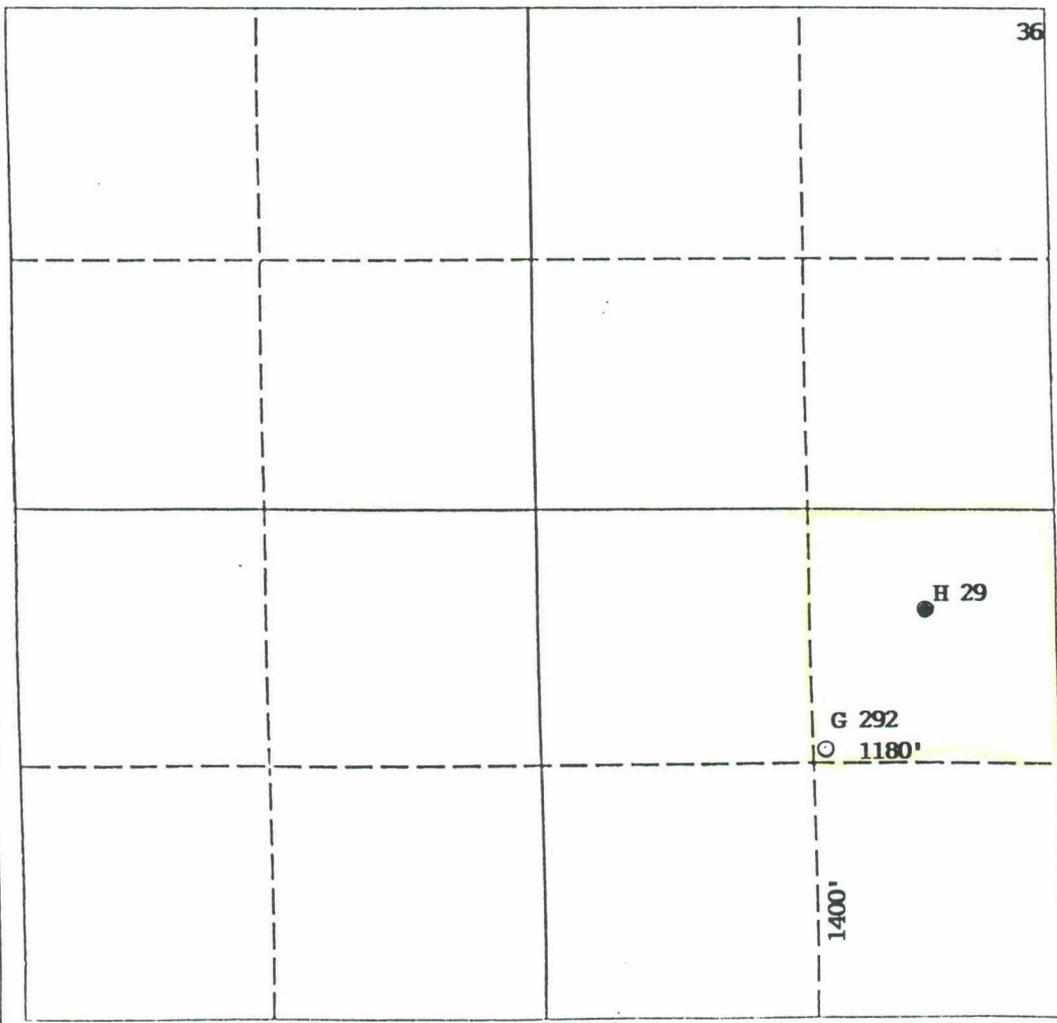
Operator ARCO Permian			Lease South Justis Unit "G"		Well No. 292
Unit Letter I	Section 36	Township 25 S	Range 37 E	County Lea	
Actual Footage Location of Well: 1400 feet from the South line and 1180 feet from the East line					
Ground level Elev. 3032'	Producing Formation Blinebry-Tubb-Drinkard		Pool Justis	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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.

Ken W. Gosnell

Signature
Ken W. Gosnell

Printed Name
Agent

Position
ARCO permian

Company
August 26, 1994

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Aug. 23, 1994

Signature & Seal of
Professional Surveyor

George Saunders

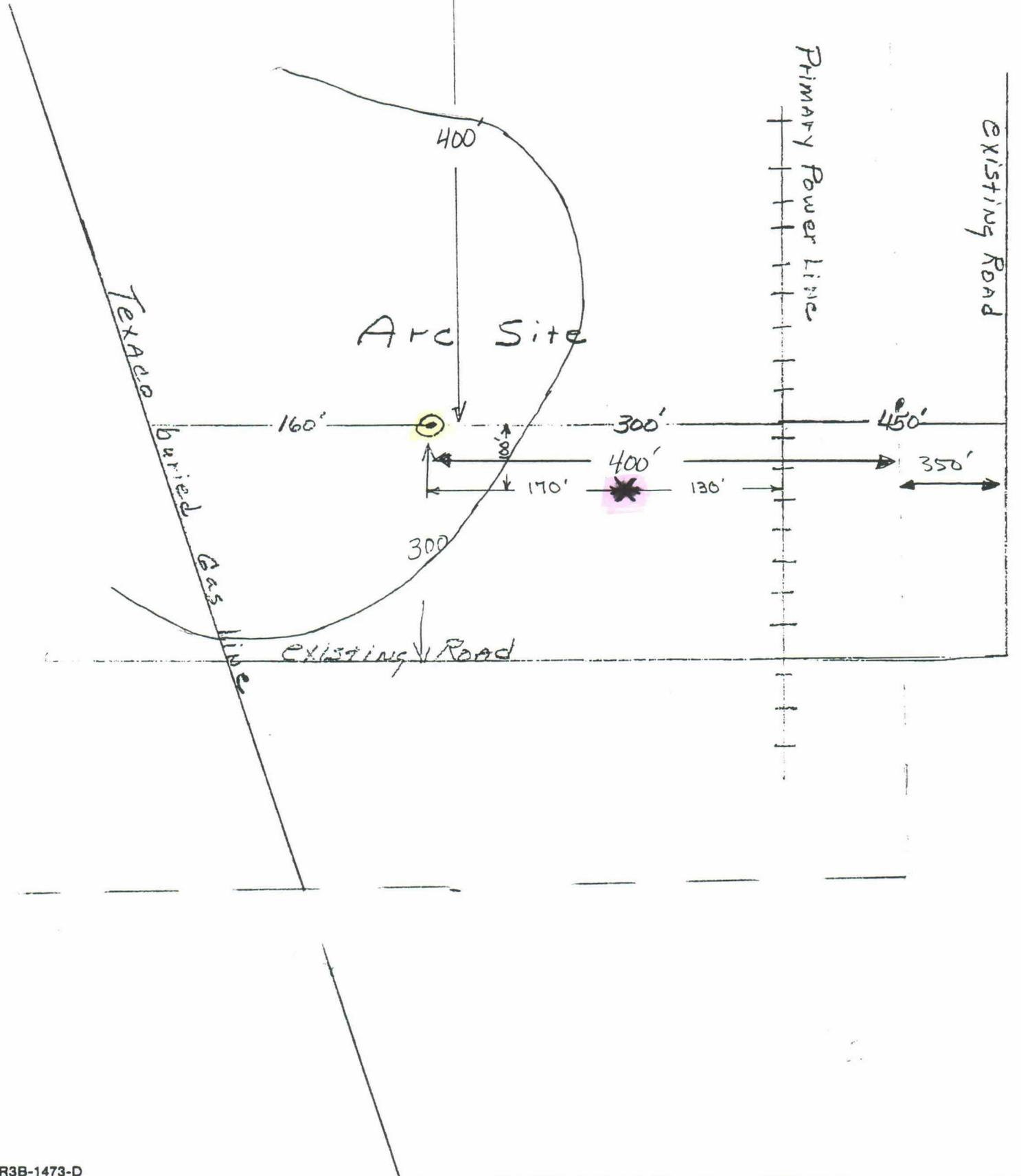
Certificate No.

648

1500 FSL & 1350 FEL \odot Original
1400 FSL & 1180 FEL \times Alternate

General Purpose Worksheet

Subject	<u>S. T. U. 'G' #292</u>	Page No.	Of
File		By	Date





ARCO Permian
 600 North Marienfeld
 Midland TX 79701-4373
 PO Box 1610
 Midland TX 79702-1610
 Telephone 915 688 5200

August 26, 1994

State of New Mexico
 Oil Conservation Division
 P. O. Box 2088
 Santa Fe, New Mexico 87504-2088

Attention: Michael E. Stogner

Re: Relocation of a Well

Dear Sir:

As provided by Order R-9747, issued in Case No. 10554 and dated October 23, 1992, ARCO is requesting administrative approval for the relocation of a well.

<u>Lease Name & Well Number</u>	<u>Corrected Footage</u>	<u>Sec-Twp-Rge</u>	<u>Unit</u>
SJU Tract G 292	1400 FSL & 1180 FEL	36-25S-37E	I

The original location fell within a large archaeological site. Please find attached area plat showing the original location, propose location and surface obstructions.

Sincerely,

Ken W. Gosnell
 Ken W. Gosnell
 Agent
 (915) 688-5672

KWG:cv

Attachment

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

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

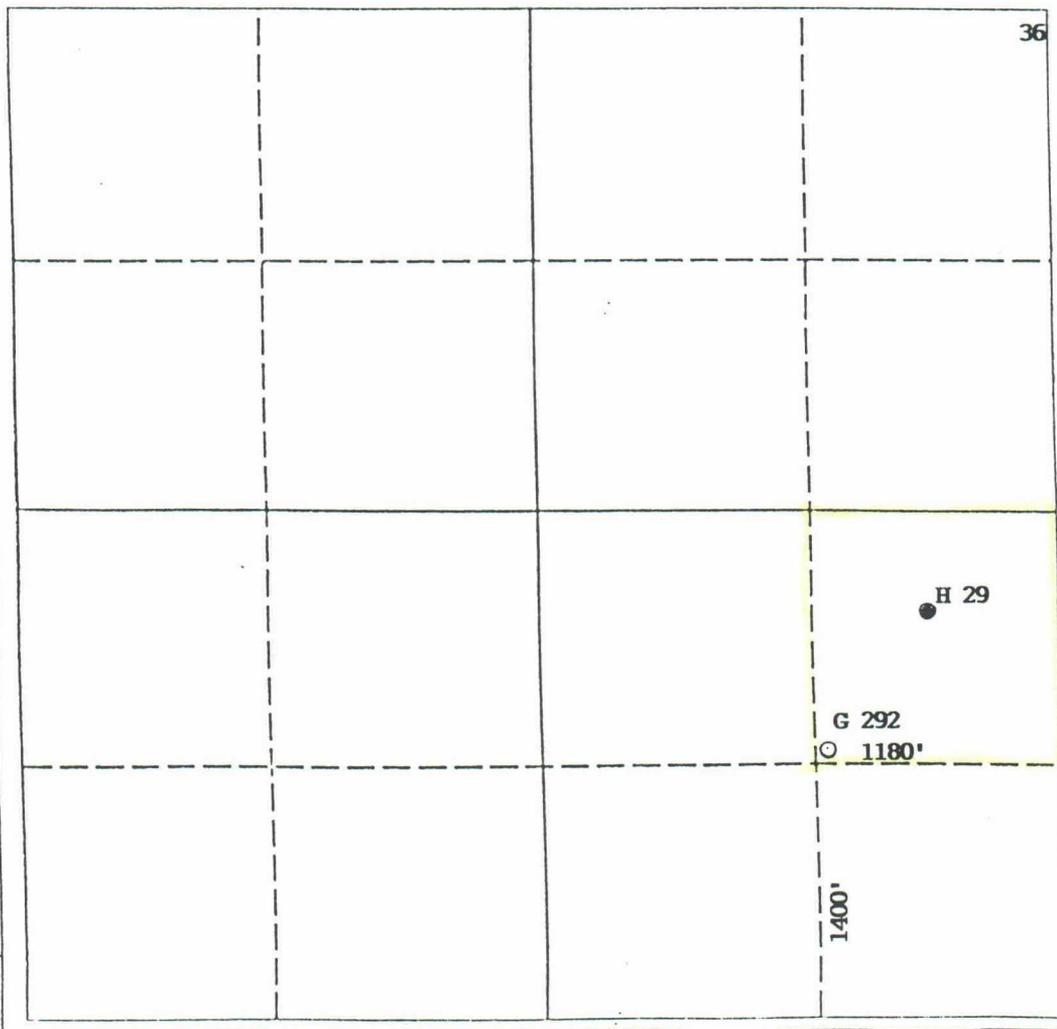
Operator ARCO Permian			Lease South Justis Unit "G"		Well No. 292
Unit Letter I	Section 36	Township 25 S	Range 37 E	County Lea	
Actual Footage Location of Well:					
1400 feet from the South line and		1180 feet from the East line			
Ground level Elev. 3032'	Producing Formation Blinebry-Tubb-Drinkard		Pool Justis	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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.

Ken W. Gosnell

Signature
Ken W. Gosnell

Printed Name
Agent

Position
ARCO permian

Company
August 26, 1994

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

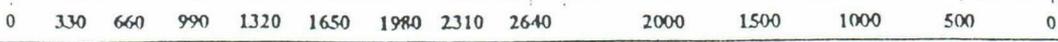
Date Surveyed
Aug. 23, 1994

Signature & Seal of Professional Surveyor

George Saunders

Certificate No.

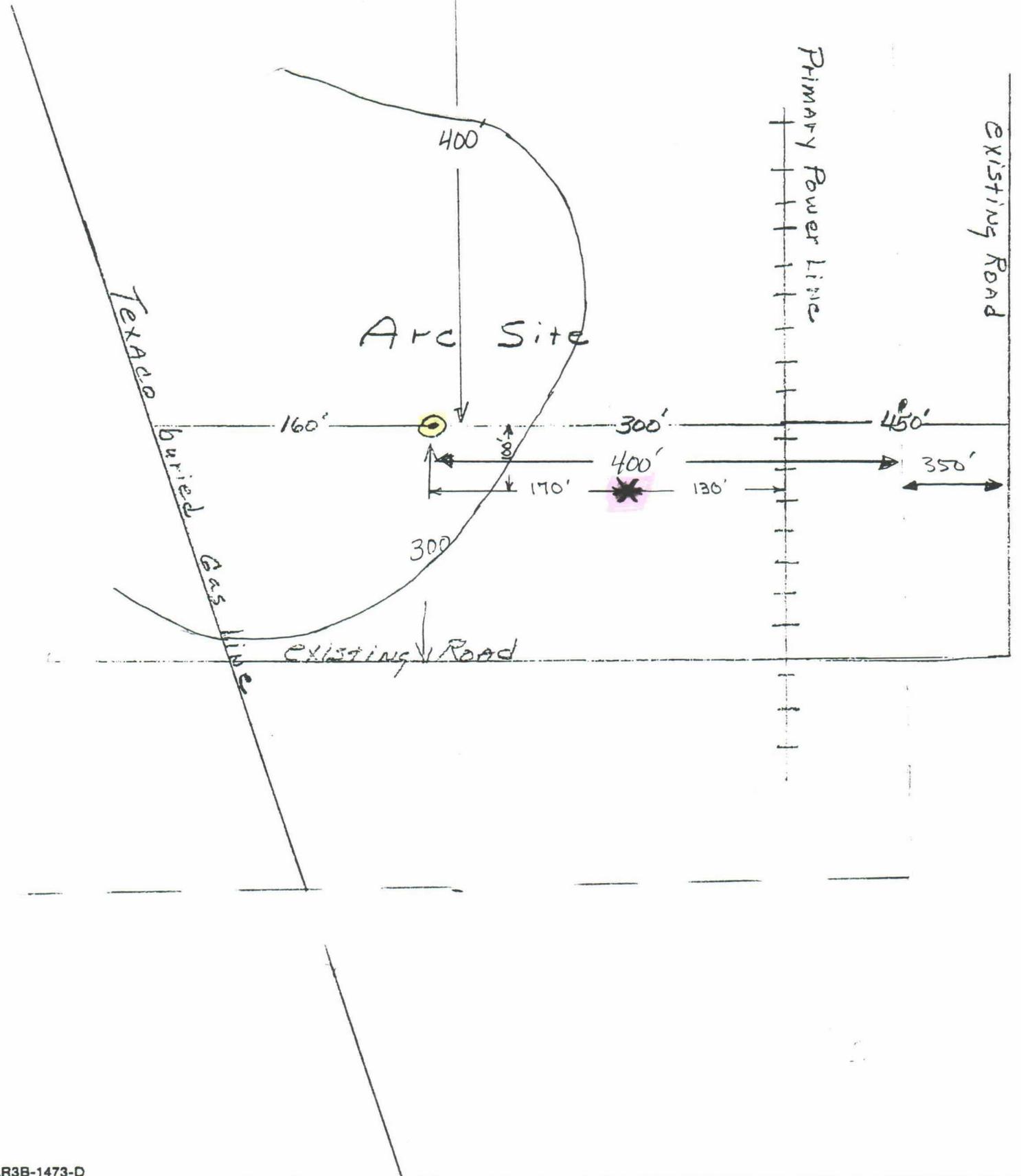
648



1500 FSL & 1350 FEL **Original**
1400 FSL & 1180 FEL **Alternate**

General Purpose Worksheet

Subject	<i>S. J. U. 'G' #292</i>	Page No.	Of
File		By	Date





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



BRUCE KING
GOVERNOR

January 8, 1993

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

ANITA LOCKWOOD
CABINET SECRETARY

ARCO Oil & Gas Company
P.O. Box 1610
Midland, Texas 79701

Attention: Ken W. Gosnell

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

Dear Mr. Gosnell:

Reference is made to your letter dated December 2, 1992 requesting approval to include in the provisions of Division Order No. 9747 a replacement well for the Ida Wimberley Well No. 18 (SJU Tract "E" Well No. 212) which was originally approved for an unorthodox location 1350 feet from the South line and 250 feet from the West line (Unit L) of Section 24, Township 25 South, Range 37 East, NMPM, Justis Blinbry - Tubb - Drinkard Pool, South Justis Unit, Lea County, New Mexico, but was actually "spud" at a secondary location (approved by letter dated November 4, 1992) 1350 feet from the South line and 330 feet from the West line (Unit L) of said Section 24. It is our understanding that this well encountered sever lost circulation and had to be abandoned.

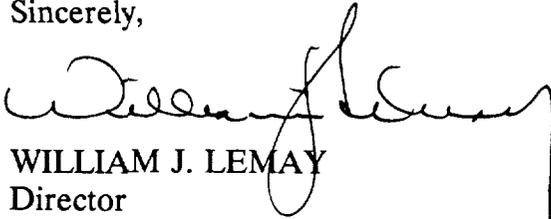
Further, it is our understanding at this time that ARCO is seeking to drill its replacement, Ida Wimberley Well No. 18-Y, at a new unorthodox location 1350 feet from the South line and 280 feet from the West line (Unit L) of said Section 24.

By the authority granted me under the provisions of General Rule 104.F the aforementioned unorthodox well location is hereby approved.

ARCO Oil & Gas Company
January 8, 1993
Page 2

All other provisions of said Order No. R-9747 shall remain in full force and effect until further notice.

Sincerely,



WILLIAM J. LEMAY
Director

MJL/MES/jc

cc: Oil Conservation Division - Hobbs
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach
File: Case No. 10554 ✓

ARCO Oil and Gas Company 

Western Division
600 N. Main Street
Albany, Oregon 97321
Post Office Box 1000
Midland, Texas 79701
Telephone 714/835-1100

OIL CONSERVATION DIVISION
RECEIVED
'92 DEC 7 AM 9 12

December 2, 1992

State Of New Mexico
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504-2088

Attention: Michael E. Stogner

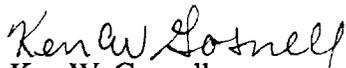
Re: Unorthodox Location
Ida Wimberley # 18Y
1350 FSL & 280 FWL
Unit L, 24-25S-37E
Lea County, NM

Dear Sir:

An exception to Rule 104 C.I. by administration approval is requested for subject well.

This well is a inside location of the South Justis Unit, a secondary recovery project and is a replacement well for the Ida Wimberley #18, which was lost during drilling due to lost circulation.

Sincerely,


Ken W. Gosnell
Regulatory Coordinator
915-688-5672

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
ARCO OIL AND GAS COMPANY	Ida Wimberley	18Y
Well Letter	Section	Township
L	24	25 S
		Range
		37 E
		MPM
		Sea

Actual Footage Location of Well:

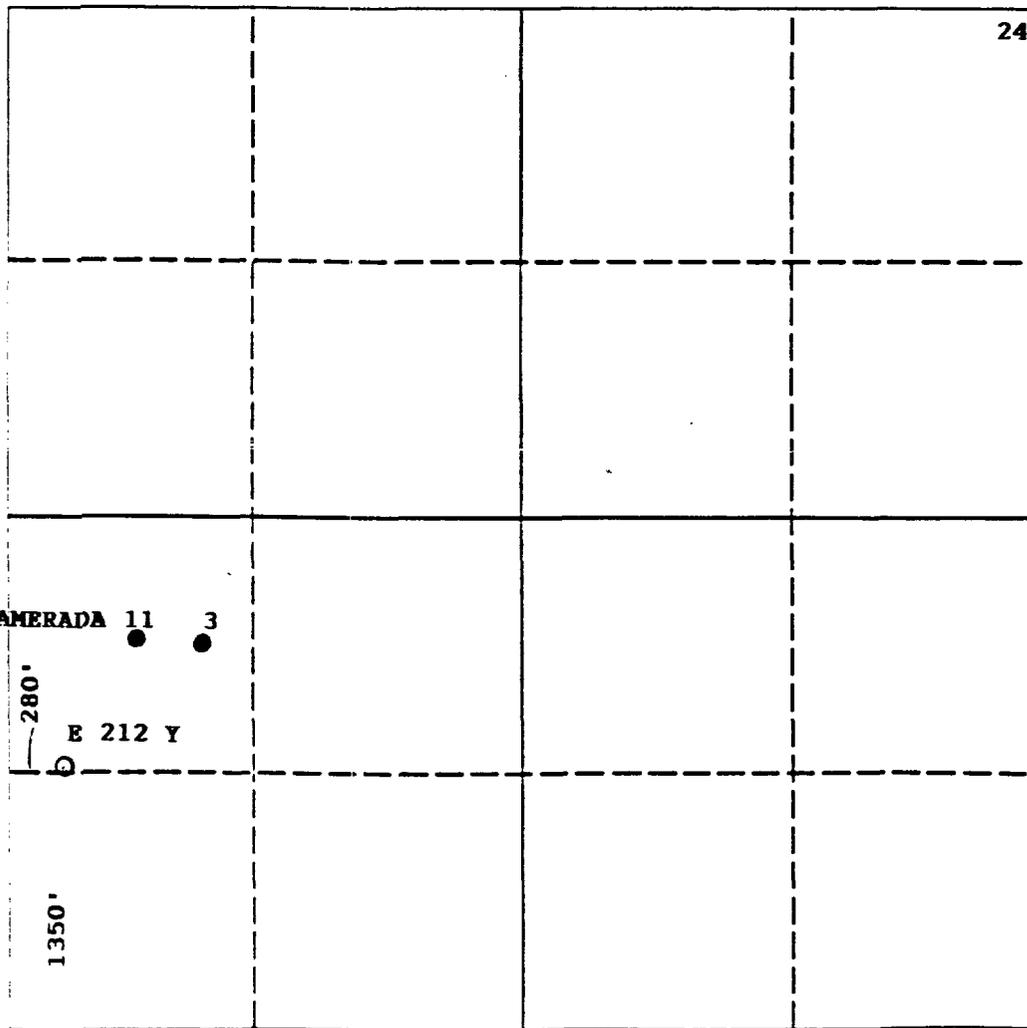
1350 feet from the South line and 280 feet from the West line

Ground level Elev. 3073' 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, forced-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 Co.

Date: 12-1-92

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: Nov. 30, 1992

Signature & Seal of Professional Surveyor: *[Signature]*

Certificate No. 648

ARCO Oil and Gas Company ↗

10000 North Central
Avenue
P.O. Box 10000
Midland, Texas 79701
Telephone (817) 835-1000

December 2, 1992

State Of New Mexico
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504-2088

Attention: Michael E. Stogner

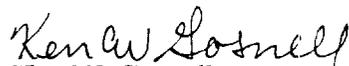
Re: Unorthodox Location
Ida Wimberley # 18Y
1350 FSL & 280 FWL
Unit L, 24-25S-37E
Lea County, NM

Dear Sir:

An exception to Rule 104 C.I. by administration approval is requested for subject well.

This well is a inside location of the South Justis Unit, a secondary recovery project and is a replacement well for the Ida Wimberley #18, which was lost during drilling due to lost circulation.

Sincerely,


Ken W. Gosnell
Regulatory Coordinator
915-688-5672

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
Fee 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

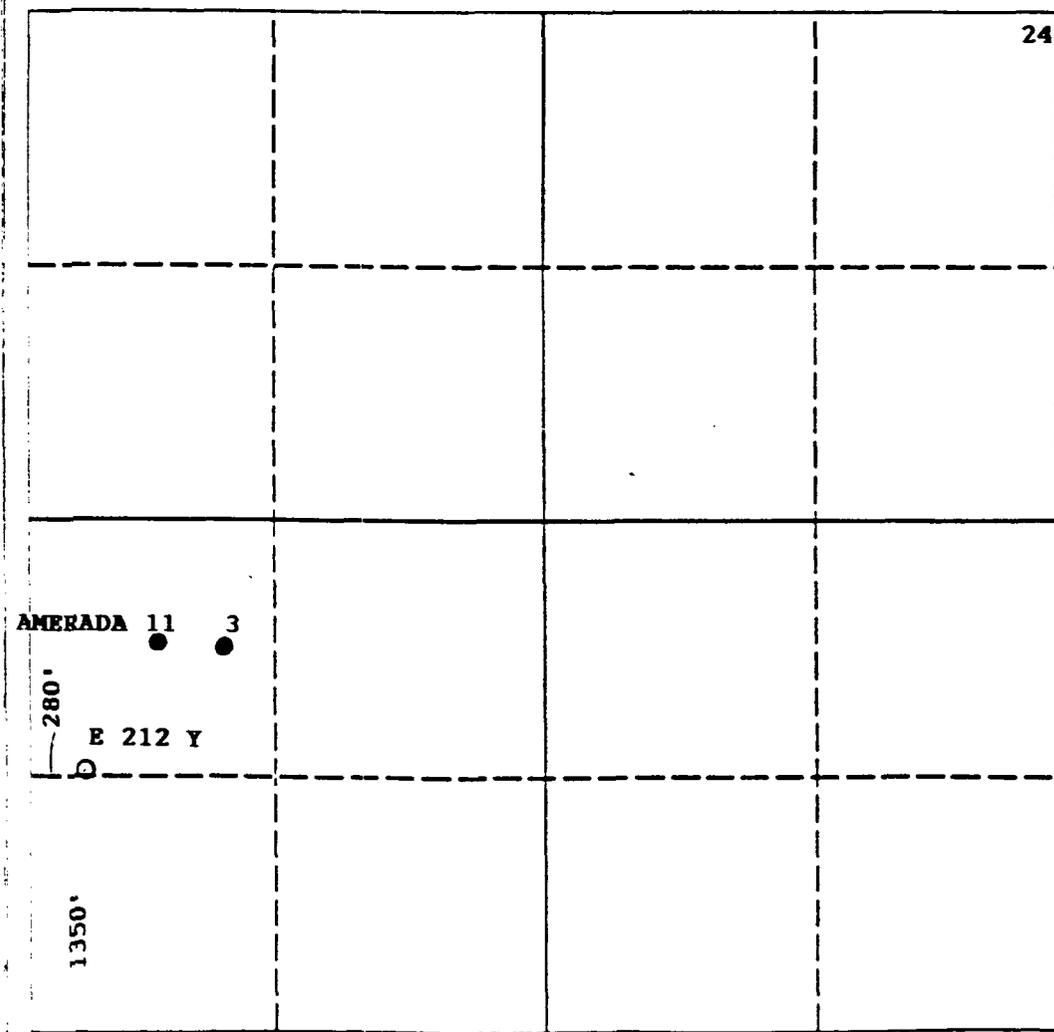
WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease <i>Ida Wimberley</i>	Well No. 18Y
Section Letter L	Section 24	Township 25 S	Range 37 E

Actual Footage Location of Well:
1350 feet from the **South** line and **280** feet from the **West** line
 Ground level Elev. **3073'** Producing Formation *Tubb Drinkard* Pool *JUSTIS* Dedicated Acreage: **40** Acres

- Outline the acreage dedicated to the subject well by colored pencil or machine 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, forced-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 Co.**
 Date: **12-1-92**

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: **Nov. 30, 1992**
 Signature & Seal of Professional Surveyor: *[Signature]*
 Certificate No. **648**



OIL CONSERVATION DIVISION
RECEIVED
'92 DEC 7 AM 9 11

December 2, 1992

Chevron USA Production Company
P. O. Box 1150
Midland, TX 79702

Attention: Mr. Merrick S. Vanderslice

SUBJECT: CONDITIONAL WAIVER
Chevron's Scarborough Estate
Well No. 8
Tubb Oil & Gas Pool
Unit L Section 31, T-22S, R-38E
Lea County, New Mexico

Gentlemen:

Texaco Exploration and Production Inc. conditionally waives objection to your application for a non-standard proration unit and unorthodox gas well location for the Scarborough Estate Well No. 8, located 1830' FSL and 660' FWL of Section 31 T-22S, R-38E Lea County, New Mexico.

Texaco has no objection to the afore-mentioned application provided that Chevron agrees to waive any objection to a similar application which may be made by Texaco for a well in the Tubb Oil & Gas Pool adjacent to the Scarborough Estate lease.

Please sign below to acknowledge your agreement to this conditional waiver of objection by Texaco and return in the self addressed, stamped envelope.

If you have any questions concerning this matter, please contact Todd W. Moehlenbrock at (505) 397-0427.

COMPANY _____
REPRESENTATIVE _____
TITLE _____
DATE _____

Sincerely,

Todd W. Moehlenbrock

Todd W. Moehlenbrock
Production Engineer

TWM/s

cc: NMOCD - Santa Fe, NM
NMOCD - Hobbs, NM



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



BRUCE KING
 GOVERNOR

POST OFFICE BOX 2088
 STATE LAND OFFICE BUILDING
 SANTA FE, NEW MEXICO 87504
 (505) 827-5800

ANITA LOCKWOOD
 CABINET SECRETARY

December 6, 1993

ARCO Oil and Gas Company
 P.O. Box 1610
 Midland, TX 79702

Case No. 10554

Attention: Ken W. Gosnell

RE: Administrative Amendment to Division Order R-9747.

Dear Mr. Gosnell:

Reference is made to your letters dated September 27 and October 19, 1993 requesting exceptions, pursuant to Division General Rule 104.F(1), for twelve unorthodox well locations, all of which were approved by Division Order No. R-9747, issued in Case No. 10554 and dated October 23, 1992. Said wells to be located in Sections 11, 13, 24 and 25 of Township 25 South, Range 37 East, NMPM, Justis Blinebry-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 Township 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 twelve particular wells as to avoid fences, a tank battery, surface flow lines, the Texas-New Mexico and Sid Richardson pipelines, a highway and overhead power lines that evidently ARCO's personnel were not aware existed at the time said Case No. 10554 was brought before the Division.

By the authority granted me under the provisions of General Rule 104.F(1) 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:

<i>Lease Name and Well No.</i>	<i>Section-Township-Range</i>	<i>Corrected Footage Location</i>	<i>Unit</i>
SJU Tract B No. 110	11-25S-37E	900' FNL - 1650' FWL	C
SJU Tract D No. 120	11-25S-37E	1500' FNL - 135' FEL	H
SJU Tract D No. 130	11-25S-37E	2580' FNL - 330' FEL	H

ARCO Oil and Gas Company
Attention: Ken W. Gosnell
December 6, 1993
Page 2

<i>Lease Name and Well No.</i>	<i>Section-Township-Range</i>	<i>Corrected Footage Location</i>	<i>Unit</i>
SJU Tract D No. 140	11-25S-37E	1300' FSL - 260' FEL	P
SJU Tract D No. 150	11-25S-37E	30' FSL - 100' FEL	P
SJU Tract F No. 150	13-25S-37E	200' FNL - 2420' FWL	C
SJU Tract G No. 184	13-25S-37E	160' FSL - 1450' FEL	O
SJU Tract F No. 194	24-25S-37E	1100' FNL - 1350' FEL	B
SJU Tract H No. 200	24-25S-37E	2670' FNL - 100' FEL	I
SJU Tract H No. 210	24-25S-37E	1370' FSL - 330' FEL	I
SJU Tract H No. 232	25-25S-37E	1275' FNL - 150' FEL	A
SJU Tract H No. 242	25-25S-37E	2380' FNL - 150' FEL	H

All other provisions of said Order No. R-9747 shall remain in full force and effect until further notice.

Sincerely,



William J. LeMay
Director

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach
File: Case No. 10554

Message Transmittal

ARCO Western District Drilling Department

TO

FROM

Name: Michael Stogner
Company: NMOCD
Location:
Telephone: (505) 827-5741

Name: Clay Bretches
Company: ARCO Western District Drilling
Location: Midland, Texas
Telephone: 915-688-5293

Number of Pages: 7

Type:

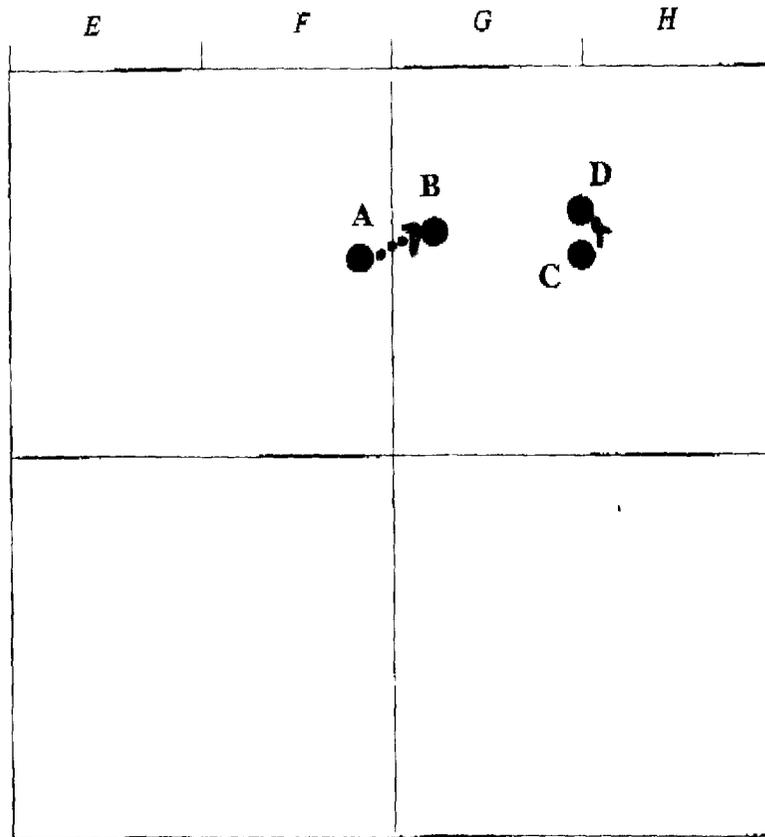
Date Sent: Dec 02, 1993

Message:

Please find attached the information regarding the South Justis Unit #G-190, #G-192 and #F-194 for our meeting at 9:30 a.m. this morning.

Clay Bretches

South Justice Unit G-192 Nomenclature Problem



Section 24, T25S, R37E, Lea County, New Mexico

Chronological Order of Events

1. Point A was the proposed location of SJU F-194 in Exhibit 'A' of Order R-9747
2. The staked location of the SJU F-194 was moved to Point 'B' due to power lines and gas line crossing original location.
3. Since the SJU F-194 was moved to the G quadrant of Section 24, the name of the well was changed by ARCO to the G-190 in an effort to stay consistent with Unit nomenclature.
4. Point C is the original location of the G-190 as proposed in Exhibit 'A' of Order R-9747. Since the G-190 name had already been used, a decision was made by ARCO to change the name of the well at point C to the G-192 to stay consistent with Unit nomenclature.
5. The staked location of the SJU G-192 was moved to Point D due to its location falling in the middle of a tank battery.

ARCO Oil and Gas Company
11000 West 19th Street
Denver, CO 80202
303.733.1000
11/11/93

September 27, 1993

State of New Mexico
Oil Conservation Division
P. O. Box 2088
Sante Fe. NM 87504-2088
Attn: Michael E. Stogner

RE: Relocation of Unorthodox Locations

Dear sir:

As provided by Order R-9747, page 6, paragraph 10, ARCO is requesting administrative approval of the following relocated wells:

<u>Lease Name & Well Number</u>	<u>Corrected Footage</u>	<u>Sec-Twp-Rng</u>	<u>Unit</u>
* SJU Tract D No. 150	30 FSL & 100 FEL	11-25S-37E	P
SJU Tract F No. 150	200 FNL & 2420 FWL	13-25S-37E	C
SJU Tract G No. 184	160 FSL & 1450 FEL	13-25S-37E	O
SJU Tract G No. 192	1100 FNL & 1350 FEL	24-25S-37E	B
SJU Tract H No. 200	2670 FNL & 100 FEL	24-25S-37E	I
SJU Tract H No. 210	1370 FSL & 330 FEL	24-25S-37E	I
SJU Tract H No. 232	1275 FNL & 150 FEL	25-25S-37E	A
SJU Tract H No. 242	2380 FNL & 150 FEL	25-25S-37E	H

* SJU "D" #150 was moved from the NE/4 of Sec 14 to the SE/4 of Sec 11-25S-37E.

Please find attached area plats showing original location, proposed location and obstructions.

Sincerely,

Ken W. Gosnell
Ken W. Gosnell
Agent
915 688-5672

09/13/93 07:05

815 382 1518

PRADON CONST.

015

LOCATION STAKING CHECK SHEET SOUTH AREA

- 1. AFE # 919951
- 2. Location name S.J. 11 G-#192 S.M.
- 3. Location staked on original _____; alternate X S.
- 4. New legals if on alternate ± 1100' FNL + 1350 FEL Sec 24

5. Surface concerns:

- a. Overhead power lines : primary X; secondary _____
- b. Buried lines: power X, flow X, gas X, or gas inj. X
- c. Surface lines: flow X, gas X, or gas inj. _____
- d. Natural occurring obstacles _____

6. Can a, b, or c be economically moved yes _____, or no X

7. Location size (approximate):

- a. For well less than 8000 ft., (160 x 250) X
- b. For well at least 8000 ft., (180 x 300) _____
- c. For well deep well 500 ft. x 500 ft., (includes pit area). _____

Handwritten notes:
 2. 1100' FNL
 to alternate #1
 R. Pradon
 01-13-93

8. Approximate pit size:

- a. 80 ft. x 100 ft. _____
- b. 100 ft. x 120 ft. X
- c. 120 ft. x 150 ft. _____
- d. 200 ft. x 200 ft. _____

9. V-door direction : North _____, East _____, South X, or West _____

10. Estimated length of new road to be constructed _____

11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well

12. Normal land use: grazing X, farming _____, or residential _____

13. If farm land is it irrigated _____, or dry land _____

14. Describe any other concerns ORIGINAL loc. is in TEXACO Central BATH

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

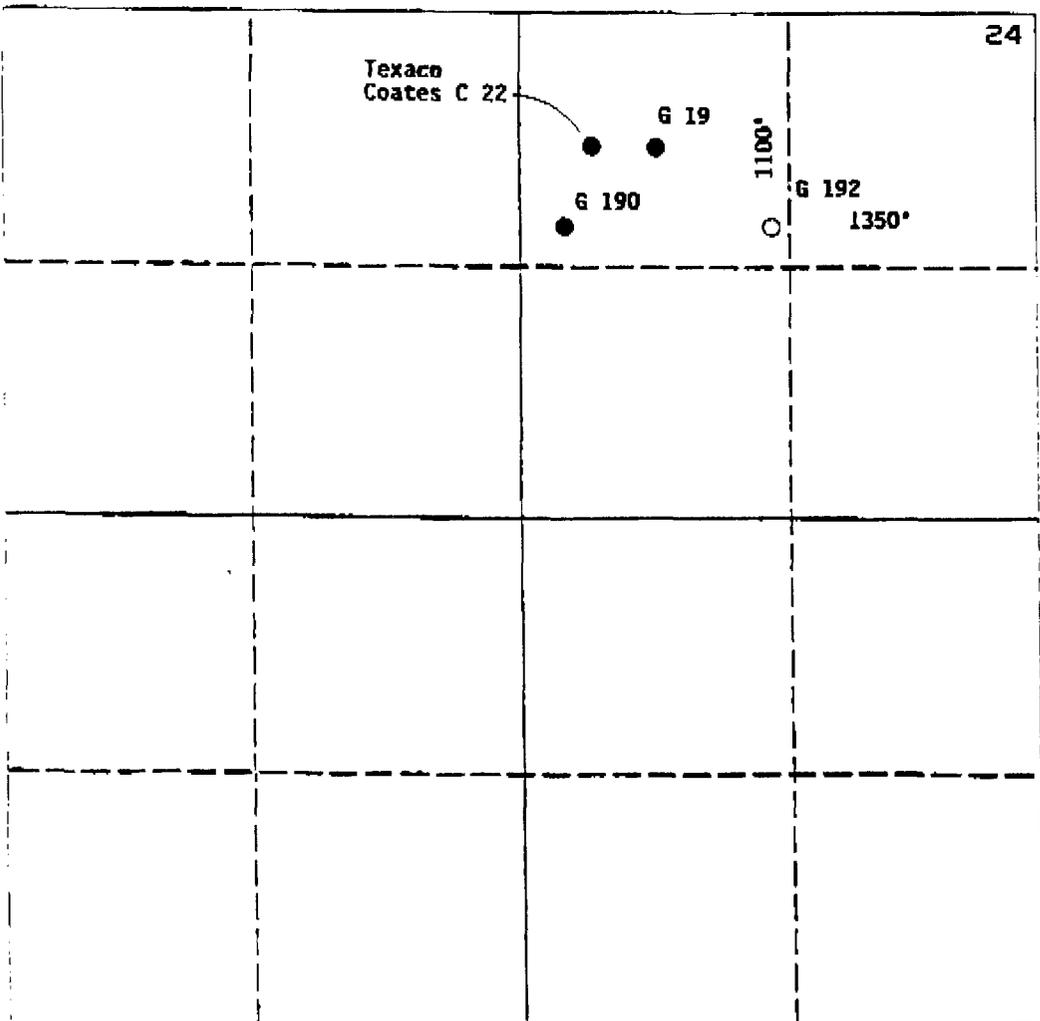
Operator		Lease		Well No.	
ARCO OIL AND GAS COMPANY		South Justis Unit "G"		192	
Unit Letter	Section	Township	Range	County	
B	24	25 S	37 E	NMPM Lea	
Actual Footage Location of Well:					
1100	feet from the	North	line and	1350	feet from the East line
Ground level Elev.		Producing Formation		Pool	
3072'		Blinbry-Tubb-Drinkard		Justis	
					Dedicated Acreage:
					40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or naphtha 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: Agent

Company: ARCO Oil & Gas Company

Date: 9-22-93

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.

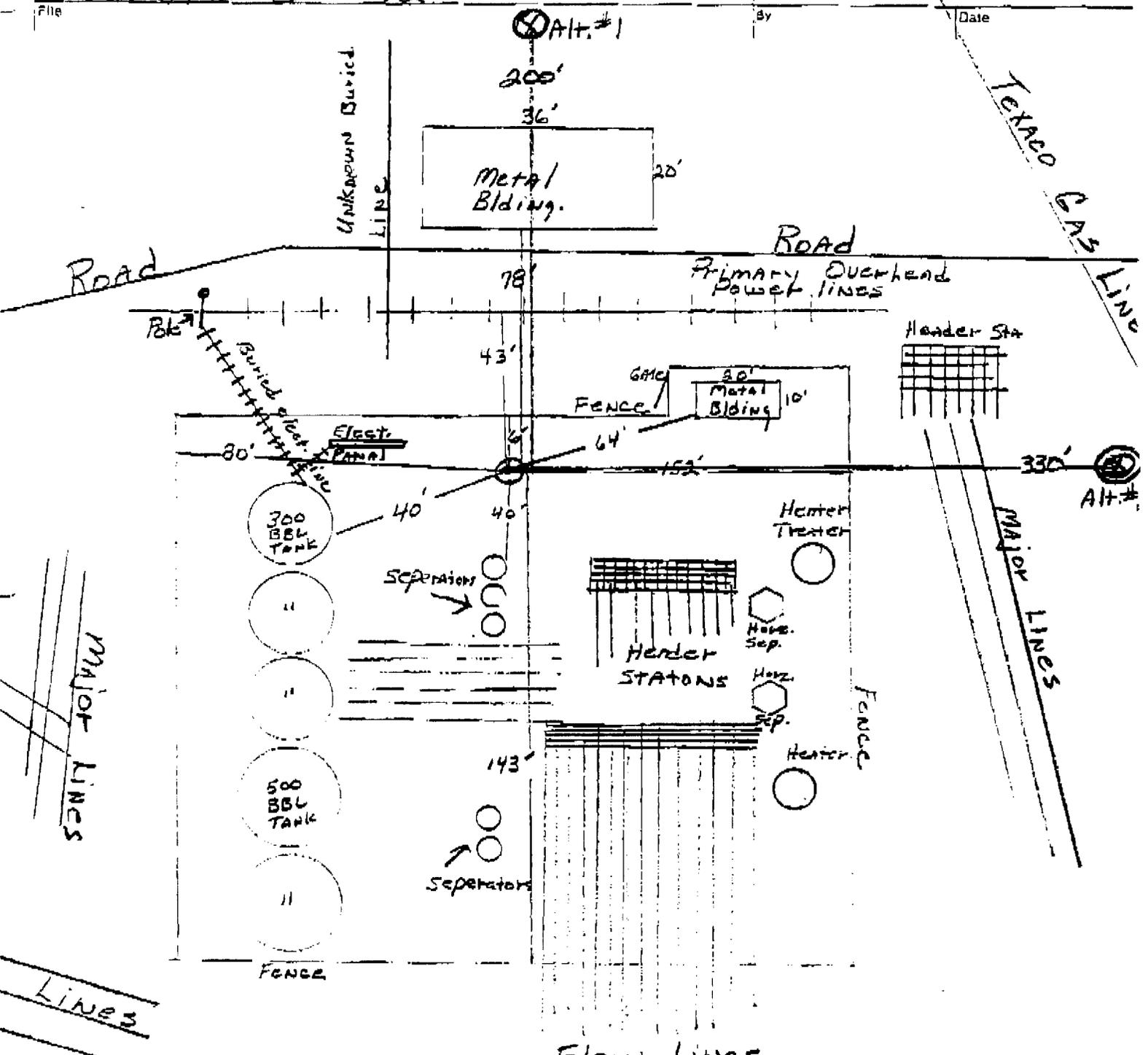
Date Surveyed: Sept. 14, 1993

Signature & Seal of Professional Surveyor: *[Signature]*

Certificate No.: 648

General Purpose Worksheet

Subject: S.T.U. G-#192 Page No. _____
 File: _____ By: _____ Date: _____



- ⊙ ORIGINAL
 - ⊕ ALTERNATE #1
 - ⊗ ALTERNATE #2
- 200' N
330' E

FROM: ARCO DRLG MIDLAND

TO: DENVER CITY

AUG 31, 1992

5:22AM

P.01

LOCATION STAKING CHECK SHEET SOUTH AREA

1. AFB # 919951 919764
2. Location name STW # 6-190 (Jessa Coats)
3. Location staked on original ; alternate * See below ^{OK}
4. New legals if on alternate - 1090 FNL + 2455 FEL, SEC 24.
5. Surface concerns:
 - a. Overhead power lines : primary ; secondary
 - b. Buried lines: power , flow , gas , or gas inj.
 - c. Surface lines: flow , gas , or gas inj.
 - d. Natural occurring obstacles
6. Can a, b, or c be economically moved yes , or no
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250)
 - b. For well at least 8000 ft., (180 x 300)
 - c. For well deep well 500 ft. x 500 ft., (includes pit area).
8. Approximate pit size:
 - a. 80 ft. x 100 ft.
 - b. 100 ft. x 120 ft.
 - c. 120 ft. x 150 ft.
 - d. 200 ft. x 200 ft.
9. V-door direction : North , East , South , or West .
10. Estimated length of new road to be constructed no road
11. Approximate distance ft. and depth ft. of nearest FRESH WATER well.
12. Normal land use: grazing , farming , or residential
13. If farm land is it irrigated , or dry land
14. Describe any other concerns need to move 110' N + 25' E. (Shell bit, previous line 120)

CHANGES
8/25/92
SAD
PRESENT

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

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

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

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

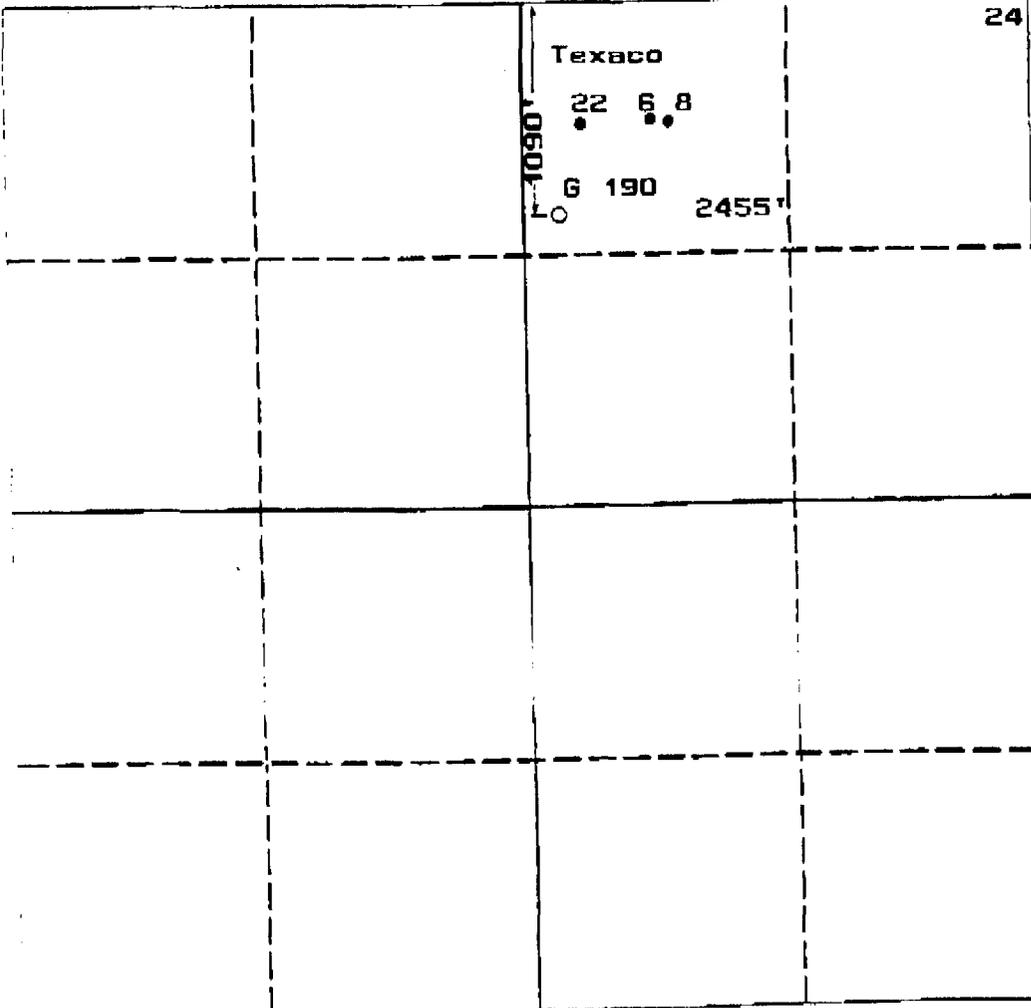
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

Operator			Lease			Well No		
ARCO OIL AND GAS COMPANY			South Justis Unit			G 190		
Unit Letter	Section	Township	Range	County				
B	24	25 S	37 E	NMPM		Lea		
Actual Footage Location of Well:								
1090		feet from the North		line and 2455		feet from the East		line
Ground level Elev.			Producing Formation			Pool		
3077'						Dedicated Acreage:		
						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, forced-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 _____

Printed Name _____

Position _____

Company _____

Date _____

SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: **Nov. 11, 1992**

Signature & Seal of Professional Surveyor
[Signature]

Certificate No. **648**

Message Transmittal

ARCO Western District Drilling Department

TO

FROM

Name: Michael Stogner
Company: NMOCD
Location:
Telephone: (505) 827-5741

Name: Clay Bretches
Company: ARCO Western District Drilling
Location: Midland, Texas
Telephone: 915-688-5293

Number of Pages:

Type:

Date Sent: Dec 02, 1993

Message:

Please find attached letter you requested this morning. Please call if you need further information.

Thanks,

Clay Bretches

ARCO Oil and Gas Company ◆

600 North Main Street
Post Office Box 1000
Midland Texas 79702
Telephone 915 688 5621

Western District

December 2, 1993

State of New Mexico
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088
Attn: Michael E. Stogner

RE: Well Name Change
SJU Tract G No. 192

Mr. Stogner:

As per our conversation on December 2, 1993, ARCO Oil & Gas Company requests administrative approval to change the name of the SJU Tract G No. 192 to the SJU Tract F No. 194. The captioned well is referenced in the letter from ARCO to the NMOCD dated September 27, 1993. The legal location of the well, 1100 FNL & 1350 FEL, Section 24, T25S, R37E, Lea County, New Mexico, will remain the same as stated in the letter.

Thank you for your help in this matter.

Sincerely,

Clay Bretches
Drilling Engineer

ARCO Oil and Gas Company ◆

600 North Marientfeld Street
Post Office Box 1610
Midland Texas 79702
Telephone 915-688-9900

OIL CONSERVATION DIVISION
RECEIVED

1993 OCT 19 2 AM 8 54

Western District

October 19, 1993

State of New Mexico
Oil Conservation Division
P. O. Box 2088
Sante Fe, NM 87504-2088
Attn: Michael E. Stogner

RE: Relocation of Wells

Dear sir:

As provided by Order R-9747, page 6, paragraph 10, ARCO is requesting administrative approval of the following relocated wells:

<u>Lease Name & Well Number</u>		<u>Corrected Footage</u>	<u>Sec-Twp-Rng</u>	<u>Unit</u>
SJU Tract B	No. 110 ✓	900 FNL & 1650 FWL ✓	11-25S-37E	C ✓
SJU Tract D	No. 120 ✓	1500 FNL & 135 FEL ✓	11-25S-37E	H ✓
SJU Tract D	No. 130 ✓	2580 FNL & 330 FEL ✓	11-25S-37E	H ✓
SJU Tract D	No. 140 ✓	1300 FSL & 260 FEL ✓	11-25S-37E	P ✓

Please find attached area plats showing the original location, proposed location and surface obstructions.

Sincerely,



Johnny Shields
Drilling Team Leader
915 688-5674

KWG/sll

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

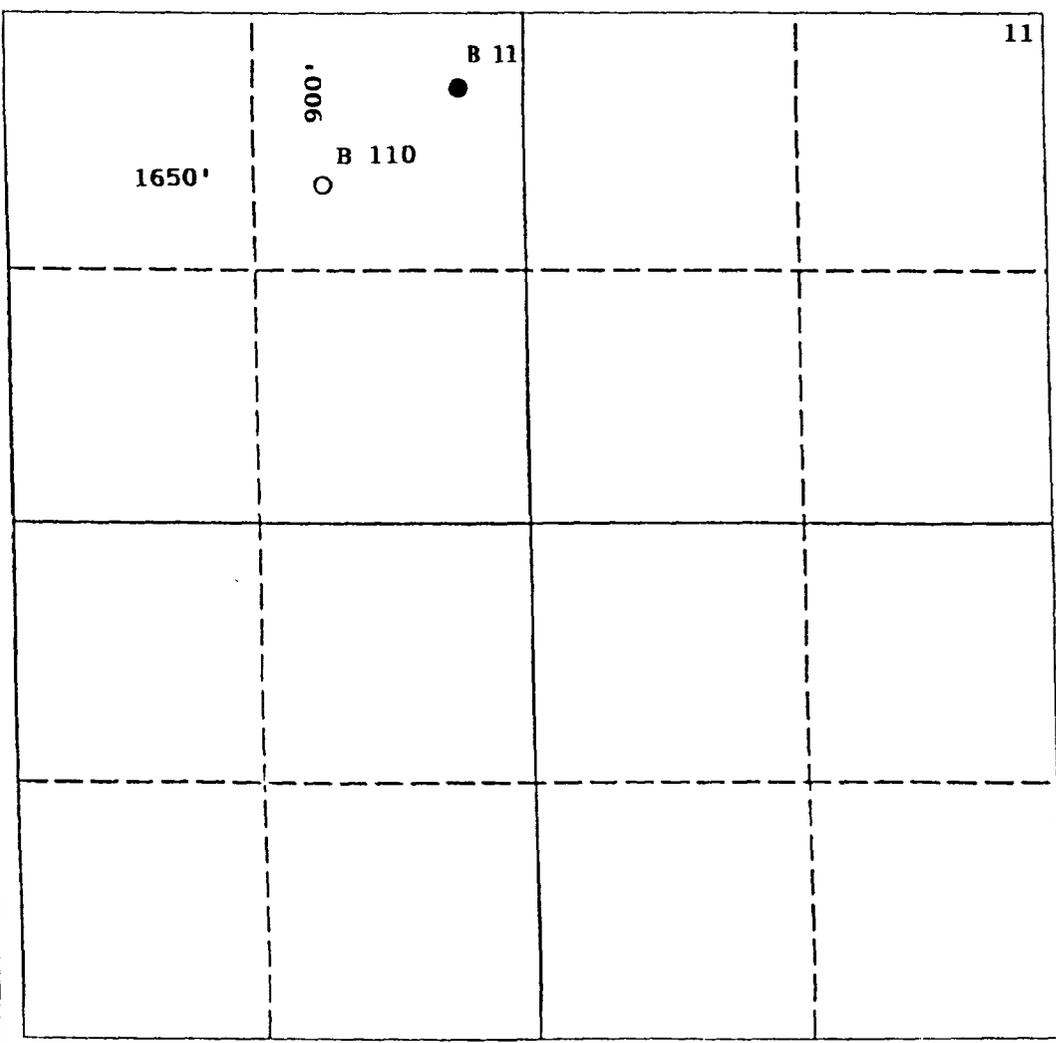
Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "B"		Well No. 110
Unit Letter C	Section 11	Township 25 S	Range 37 E	County Lea	
Actual Footage Location of Well: 900 feet from the North line and 1650 feet from the West line					
Ground level Elev. 3122'	Producing Formation Blinebry-Tubb-Drinkard		Pool Justis	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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: *Johnny Shields*

Printed Name: **Johnny Shields**

Position: **Drilling Team Leader**

Company: **ARCO Oil & Gas Company**

Date: **10-13-93**

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: **Sept. 24, 1993**

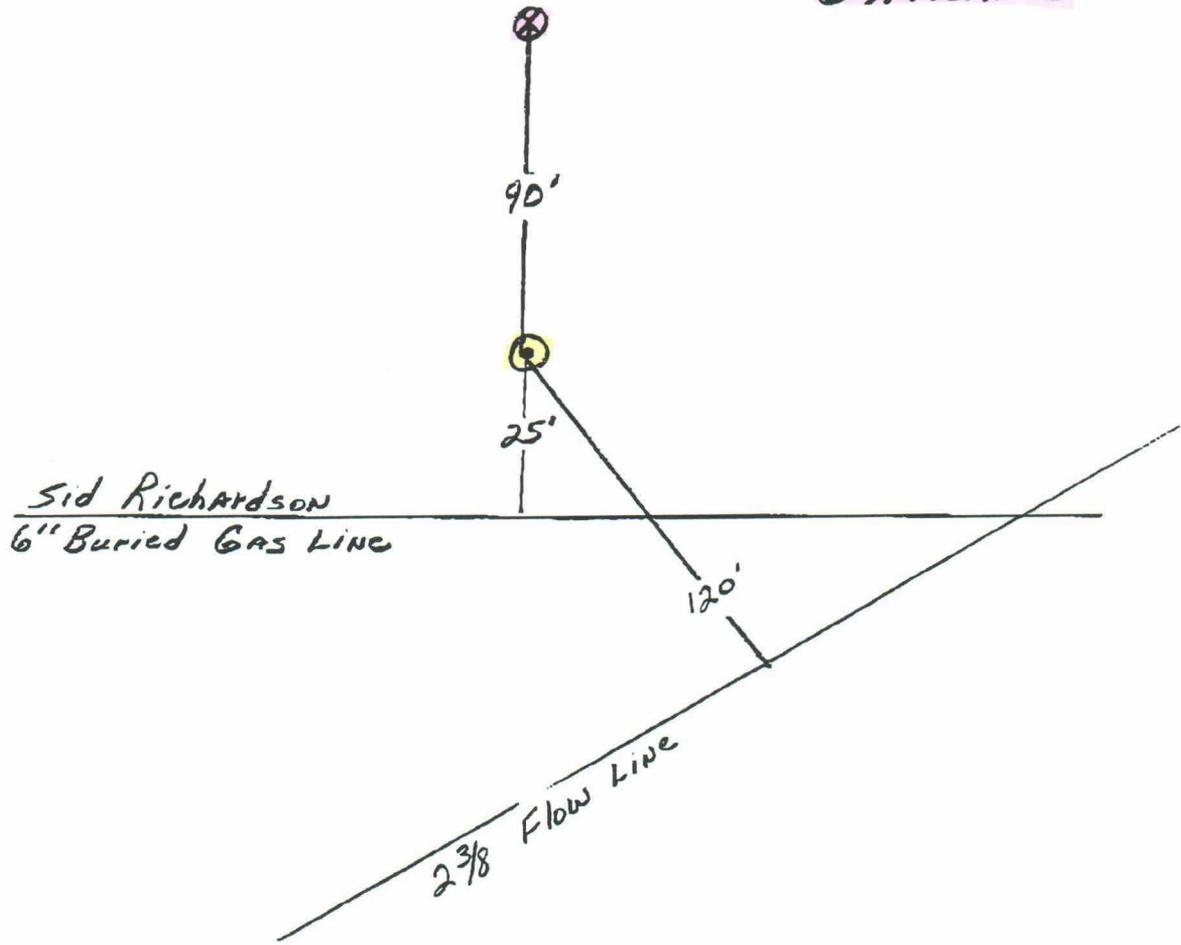
Signature & Seal of Professional Surveyor: *[Signature]*

Certificate No.: **648**

General Purpose Worksheet

Subject	L.J.U. B # 110	Page No.	Or
File		By	Date

⊙ ORIGINAL
 ⊗ ALTERNATE



LOCATION STAKING CHECK SHEET SOUTH AREA

1. AFE # 919217
2. Location name S. J. U. B #110
3. Location staked on original _____; alternate X.
4. New legals if on alternate 900 FNL 1650 FWL
5. Surface concerns:
 - a. Overhead power lines : primary _____; secondary _____.
 - b. Buried lines: power _____, flow _____, gas X, or gas inj. _____.
 - c. Surface lines: flow X, gas _____, or gas inj. _____.
 - d. Natural occurring obstacles _____.
6. Can a, b, or c be economically moved yes _____, or no X.
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X.
 - b. For well at least 8000 ft., (180 x 300) _____.
 - c. For well deep well 500 ft. x 500 ft., (includes pit area). _____.
8. Approximate pit size:
 - a. 80 ft. x 100 ft. _____.
 - b. 100 ft. x 120 ft. X.
 - c. 120 ft. x 150 ft. _____.
 - d. 200 ft. x 200 ft. _____.
9. V-door direction : North _____, East _____, South X, or West _____.
10. Estimated length of new road to be constructed 200'
11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____.
13. If farm land is it irrigated _____, or dry land _____.
14. Describe any other concerns Sid Richardson 6" gas lines 25' South of original stake. 200' of new Rd. going N. to existing Rd.

OK
RSP
9-24-93

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

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

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

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

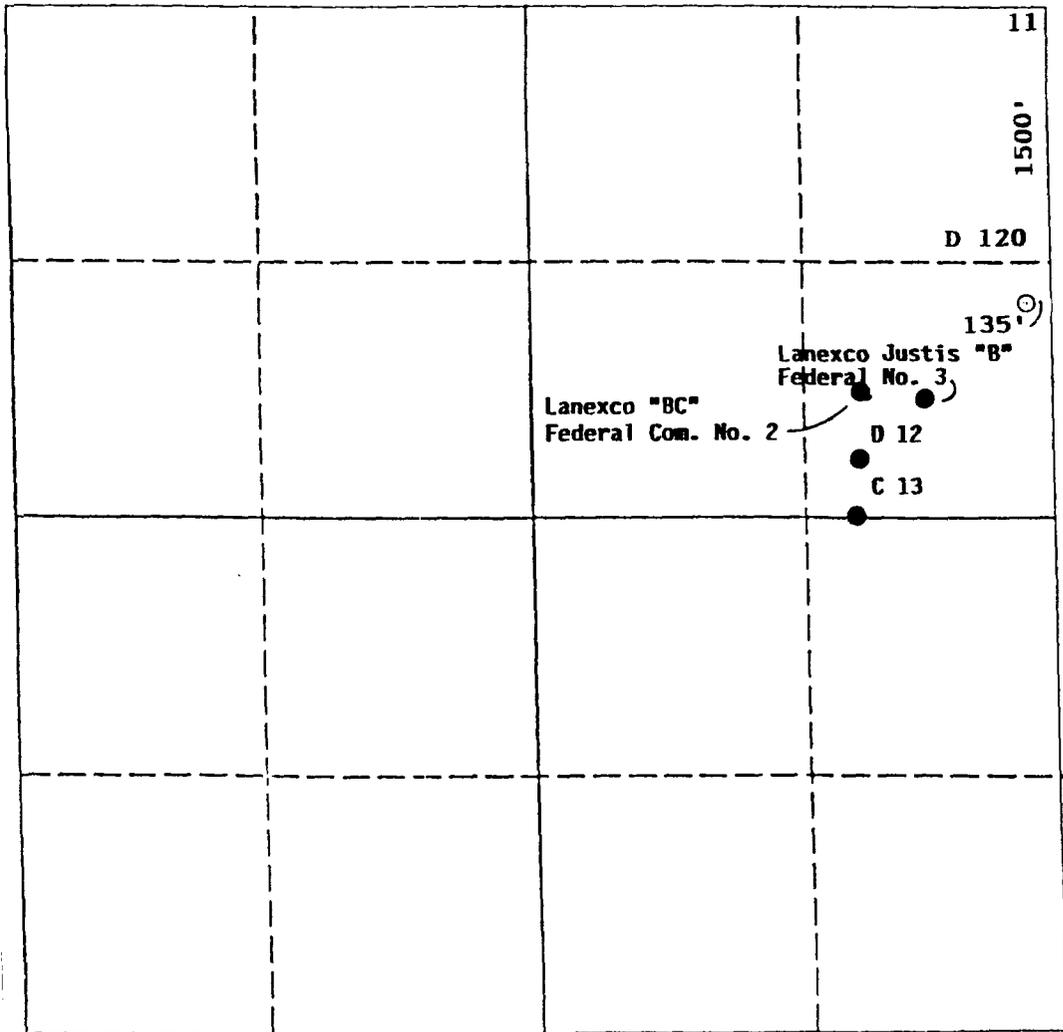
DISTRICT III
 P.O. Box 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "D"		Well No. 120
Unit Letter H	Section 11	Township 25 S	Range 37 E	County Lea	
Actual Footage Location of Well: 1500 feet from the North line and 135 feet from the East line					
Ground level Elev. 3131'	Producing Formation Blinebry-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, forced-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: *Johnny Shields*
 Printed Name: **Johnny Shields**
 Position: **Drilling Team Leader**
 Company: **ARCO Oil & Gas Company**
 Date: **10-13-93**

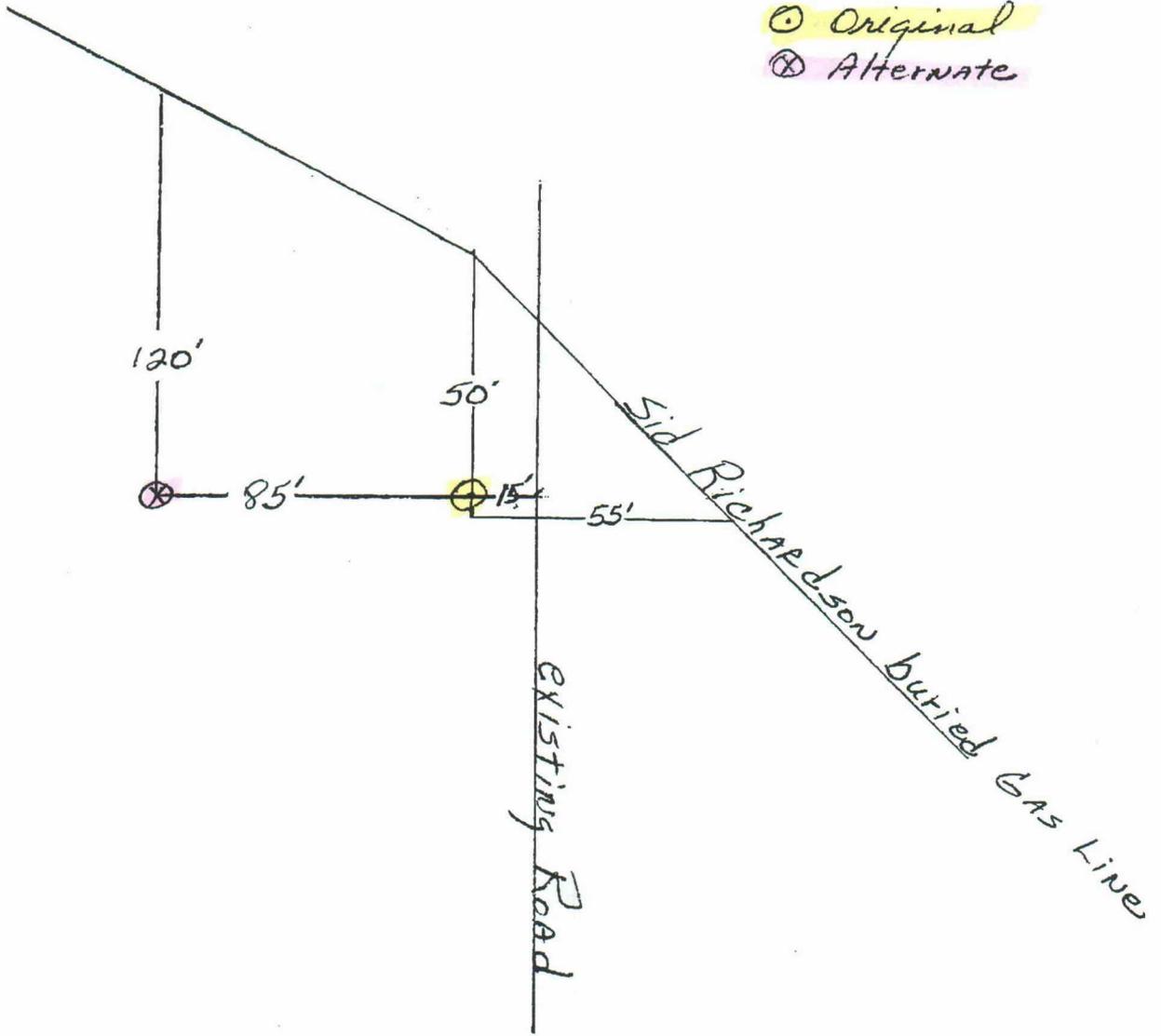
SURVEYOR CERTIFICATION
 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: **Sept. 24, 1993**
 Signature & Seal of Professional Surveyor: *[Signature]*
 Certificate No.: **648**

General Purpose Worksheet

Subject	S. J. U. D- #120		Page No.	01
File		By	Date	

⊙ Original
 ⊗ Alternate



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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

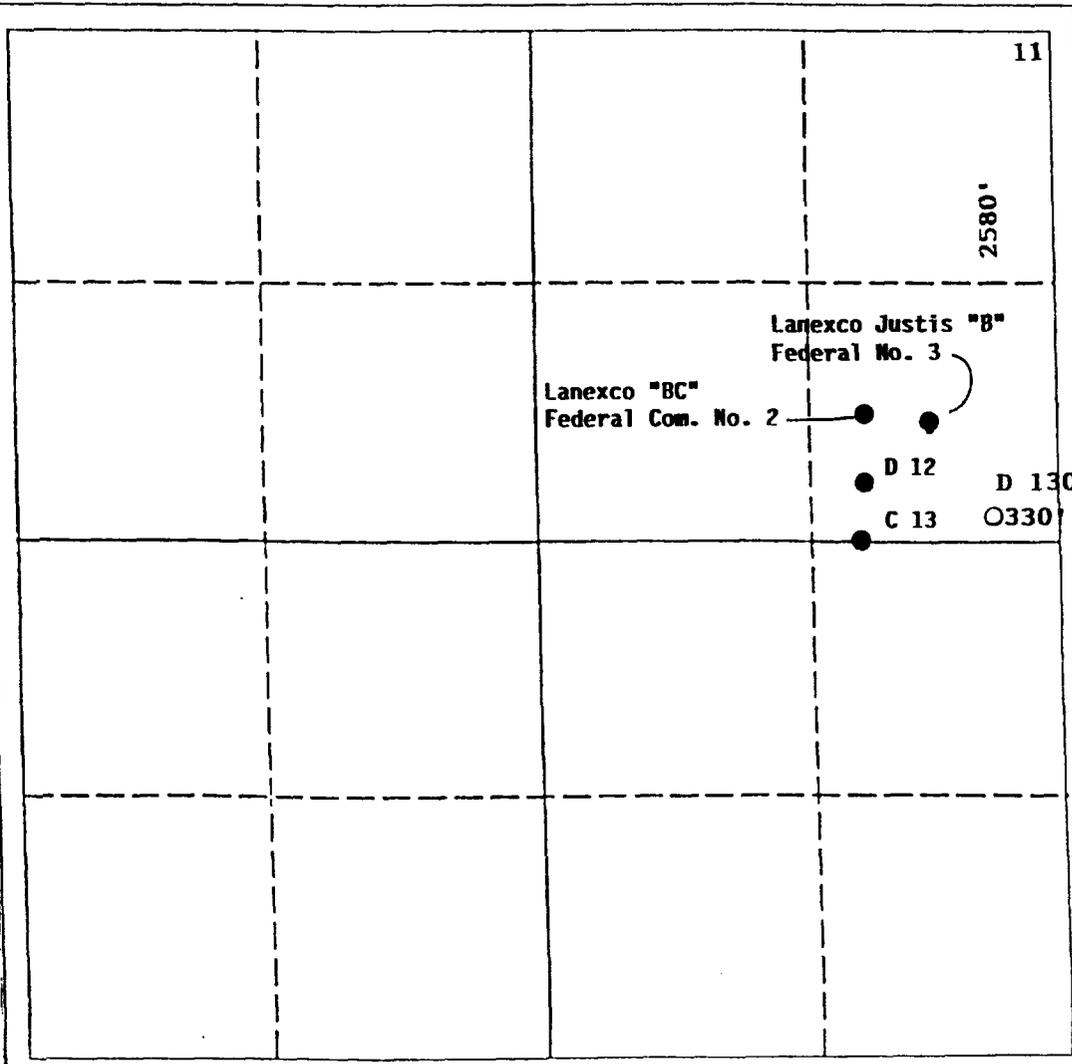
All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "D"		Well No. 130
Unit Letter H	Section 11	Township 25 S	Range 37 E	County Lea

Actual Footage Location of Well:

2580 feet from the North line and 330 feet from the East line	Ground level Elev. 3132'	Producing Formation Blinebry-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, forced-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: *Johnny Shields*
 Printed Name: **Johnny Shields**
 Position: **Drilling Team Leader**
 Company: **ARCO Oil & Gas Company**
 Date: **10-13-93**

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: **Sept. 24, 1993**

Signature & Seal of Professional Surveyor: *Guy Deun...*
 Certificate No.: **648**

General Purpose Worksheet

Subject S. J. U. D. #130

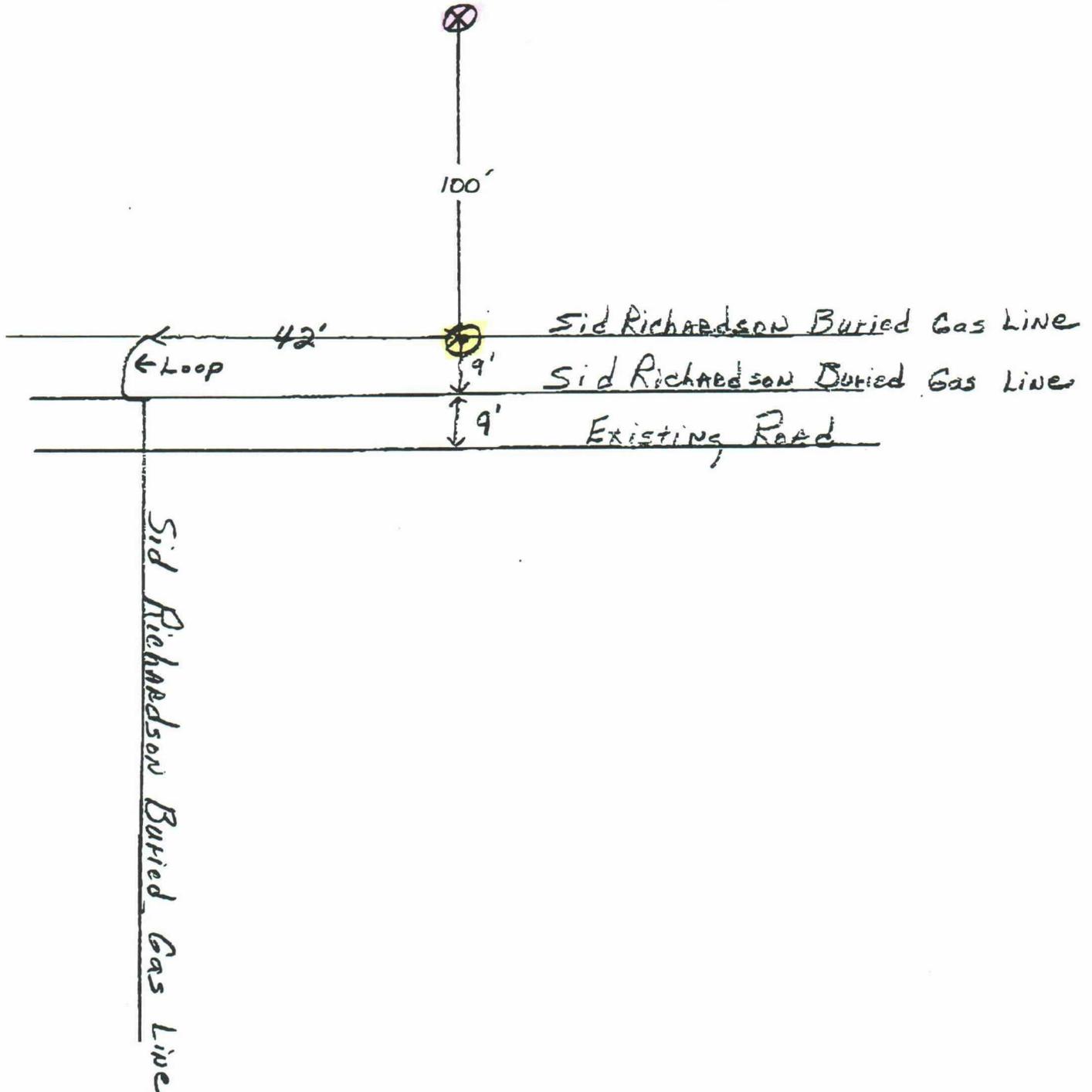
Page No. 01

File

By

Date

⊙ original
 ⊗ alternate



LOCATION STAKING CHECK SHEET SOUTH AREA

- 1. AFE # 919365
- 2. Location name S. J. U. D. #130
- 3. Location staked on original _____; alternate X
- 4. New legals if on alternate 2700 FSL 330 FEL

5. Surface concerns:

- a. Overhead power lines : primary _____; secondary _____.
- b. Buried lines: power _____, flow _____, gas X, or gas inj. _____.
- c. Surface lines: flow _____, gas _____, or gas inj. _____.
- d. Natural occuring obstacles _____.

6. Can a, b, or c be economically moved yes _____, or no X

7. Location size (approximate):

- a. For well less than 8000 ft., (160 x 250) X
- b. For well at least 8000 ft., (180 x 300) _____.
- c. For well deep well 500 ft. x 500 ft., (includes pit area). _____.

*OK
RSP
9-24-93*

8. Approximate pit size:

- a. 80 ft. x 100 ft. _____.
- b. 100 ft. x 120 ft. X
- c. 120 ft. x 150 ft. _____.
- d. 200 ft. x 200 ft. _____.

9. V-door direction : North _____, East X, South _____, or West _____.

10. Estimated length of new road to be constructed NONE

11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.

12. Normal land use: grazing X, farming _____, or residential _____.

13. If farm land is it irrigated _____, or dry land _____.

14. Describe any other concerns 2 - Sid Richardson gas lines running East & West, 42' West ave of the line tie into a line running South only. No new Rd.

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

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

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

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

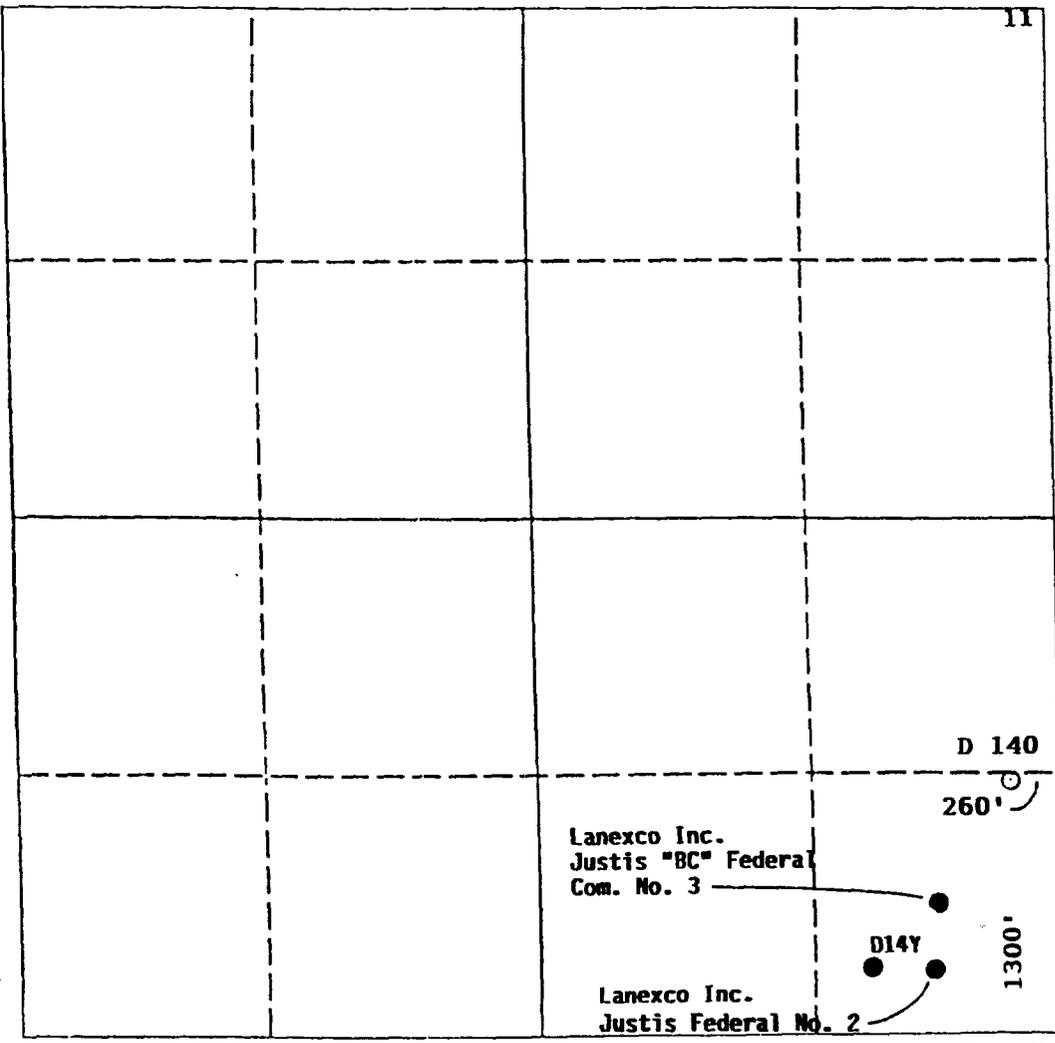
STRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "D"		Well No. 140
Unit Letter P	Section 11	Township 25 S	Range 37 E	County Lea	
Actual Footage Location of Well: 1300 feet from the South line and 260 feet from the East line					
Ground level Elev. 3127'	Producing Formation Blinbry-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, forced-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 *Johnny Shields*
 Printed Name **Johnny Shields**
 Position **Drilling Team Leader**
 Company **ARCO Oil & Gas Company**
 Date **10-13-93**

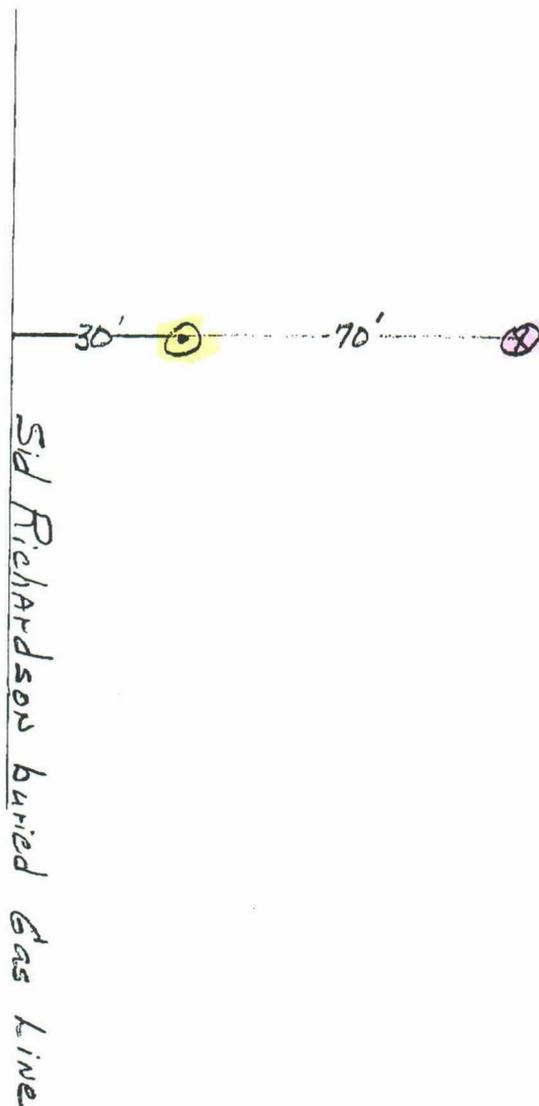
SURVEYOR CERTIFICATION
 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **Sept. 24, 1993**
 Signature & Seal of Professional Surveyor *Jim Saunders*
 Certificate No. **648**

General Purpose Worksheet

Subject <i>S. J. U. D-#140</i>	Page No. _____ Of _____
File _____	By _____ Date _____

⊙ original
⊗ Alternate



LOCATION STAKING CHECK SHEET SOUTH AREA

- 1. AFE # 919.373
- 2. Location name S. J. W. D. #140
- 3. Location staked on original _____; alternate X
- 4. New legals if on alternate 1300 FSL 260 FEL

5. Surface concerns:

- a. Overhead power lines : primary -; secondary -
- b. Buried lines: power _____, flow _____, gas X, or gas inj. _____
- c. Surface lines: flow -, gas -, or gas inj. -
- d. Natural occurring obstacles -

- 6. Can a, b, or c be economically moved yes _____, or no X

7. Location size (approximate):

- a. For well less than 8000 ft., (160 x 250) X
- b. For well at least 8000 ft., (180 x 300) _____
- c. For well deep well 500 ft. x 500 ft., (includes pit area). _____

*U 12
RSP
9-27-93*

8. Approximate pit size:

- a. 80 ft. x 100 ft. _____
- b. 100 ft. x 120 ft. X
- c. 120 ft. x 150 ft. _____
- d. 200 ft. x 200 ft. _____

- 9. V-door direction : North _____, East _____, South _____, or West X

- 10. Estimated length of new road to be constructed 300'

- 11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.

- 12. Normal land use: grazing X, farming _____, or residential _____

- 13. If farm land is it irrigated _____, or dry land _____

- 14. Describe any other concerns Sid Richardson Gas Line 30' to East.
Road going east from location 300' to existing Rd.

ARCO Oil and Gas Company

200 North Main Street
First Office Building
Alameda, Texas 75001
Telephone: 714/333-1111

OIL CONSERVATION DIVISION
RECEIVED

1993 OCT 19 8 54 AM

Western District

October 19, 1993

State of New Mexico
Oil Conservation Division
P. O. Box 2088
Sante Fe, NM 87504-2088
Attn: Michael E. Stogner

RE: Relocation of Wells

Dear sir:

As provided by Order R-9747, page 6, paragraph 10, ARCO is requesting administrative approval of the following relocated wells:

<u>Lease Name & Well Number</u>		<u>Corrected Footage</u>	<u>Sec-Twp-Rng</u>	<u>Unit</u>
SJU Tract B	No. 110	900 FNL & 1650 FWL	11-25S-37E	C
SJU Tract D	No. 120	1500 FNL & 135 FEL	11-25S-37E	H
SJU Tract D	No. 130	2580 FNL & 330 FEL	11-25S-37E	H
SJU Tract D	No. 140	1300 FSL & 260 FEL	11-25S-37E	P

Please find attached area plats showing the original location, proposed location and surface obstructions.

Sincerely,



Johnny Shields
Drilling Team Leader
915 688-5674

KWG/sll

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

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

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

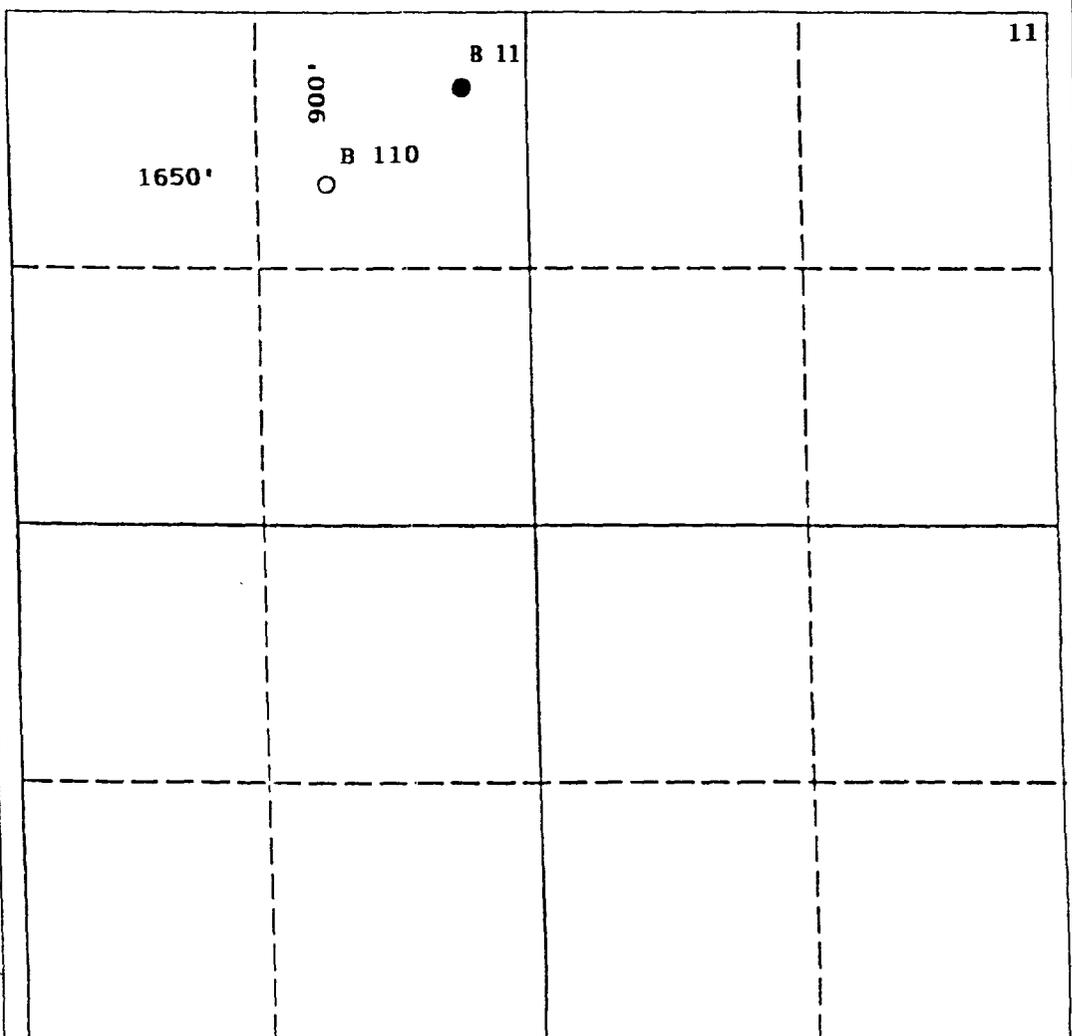
Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "B"		Well No. 110
Unit Letter C	Section 11	Township 25 S	Range 37 E	County NMPM Lea

Actual Footage Location of Well:

900 feet from the **North** line and **1650** feet from the **West** line

Ground level Elev. 3122'	Producing Formation Blinebry-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, forced-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: *Johnny Shields*
 Printed Name: **Johnny Shields**
 Position: **Drilling Team Leader**
 Company: **ARCO Oil & Gas Company**
 Date: **10-13-93**

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.

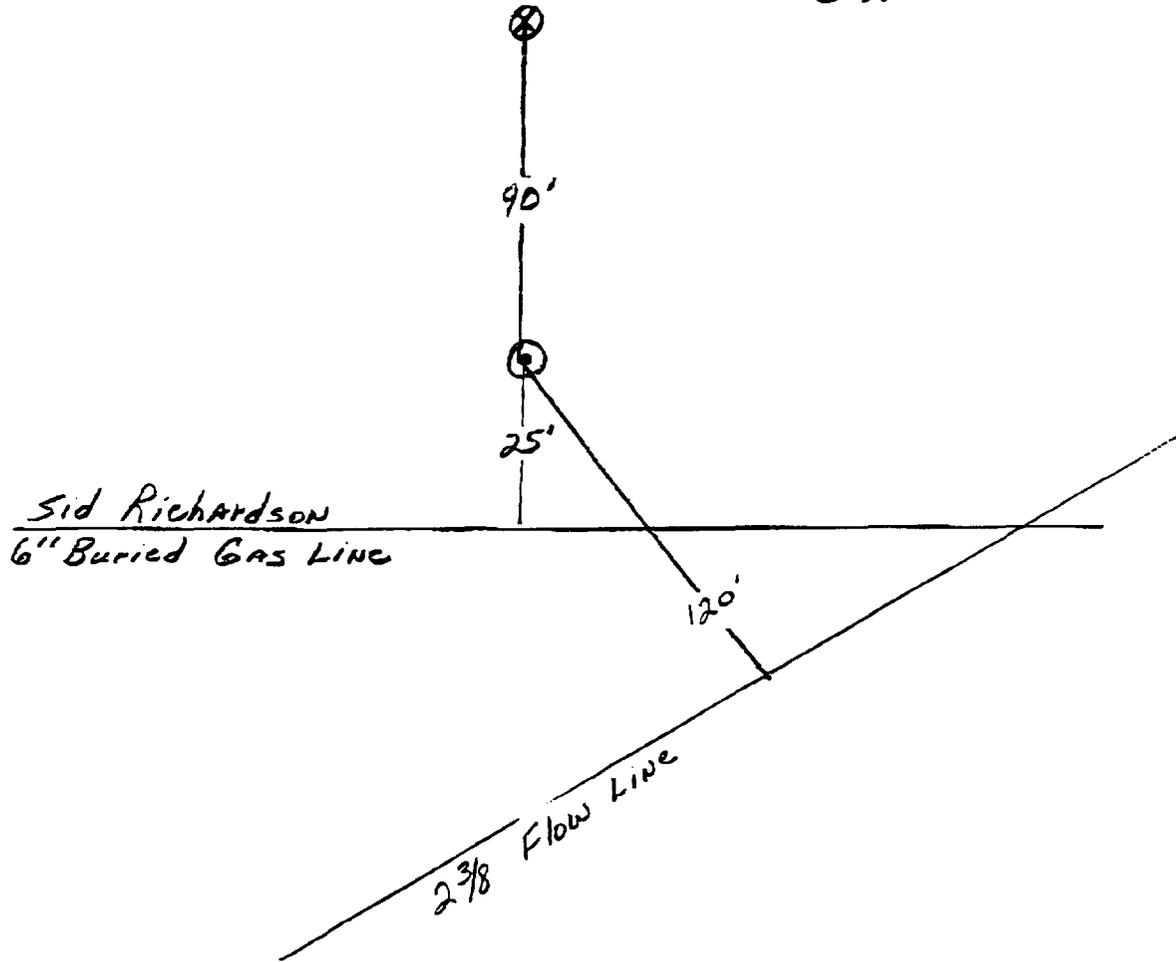
Date Surveyed: **Sept. 24, 1993**

Signature & Seal of Professional Surveyor:
Greg Saunders
 Certificate No. **648**

General Purpose Worksheet

Subject	L.J.U. B # 110	Page No.	Or
File		By	Date

⊙ ORIGINAL
⊗ ALTERNATE



LOCATION STAKING CHECK SHEET SOUTH AREA

- 1. AFE # 919217
- 2. Location name S. J. U. B #110
- 3. Location staked on original _____; alternate X
- 4. New legals if on alternate 900 FNL 1650 FWL

5. Surface concerns:

- a. Overhead power lines : primary _____; secondary _____
- b. Buried lines: power _____, flow _____, gas X, or gas inj. _____
- c. Surface lines: flow X, gas _____, or gas inj. _____
- d. Natural occuring obstacles _____

6. Can a, b, or c be economically moved yes _____, or no X

7. Location size (approximate):

- a. For well less than 8000 ft., (160 x 250) X
- b. For well at least 8000 ft., (180 x 300) _____
- c. For well deep well 500 ft. x 500 ft., (includes pit area). _____

OK
RSP
9-24-93

8. Approximate pit size:

- a. 80 ft. x 100 ft. _____
- b. 100 ft. x 120 ft. X
- c. 120 ft. x 150 ft. _____
- d. 200 ft. x 200 ft. _____

9. V-door direction : North _____, East _____, South X, or West _____

10. Estimated length of new road to be constructed 200'

11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.

12. Normal land use: grazing X, farming _____, or residential _____

13. If farm land is it irrigated _____, or dry land _____

14. Describe any other concerns Sid Richardson 6" gas lines 25' South of original stake. 200' of new Rd. going N to existing Rd.

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

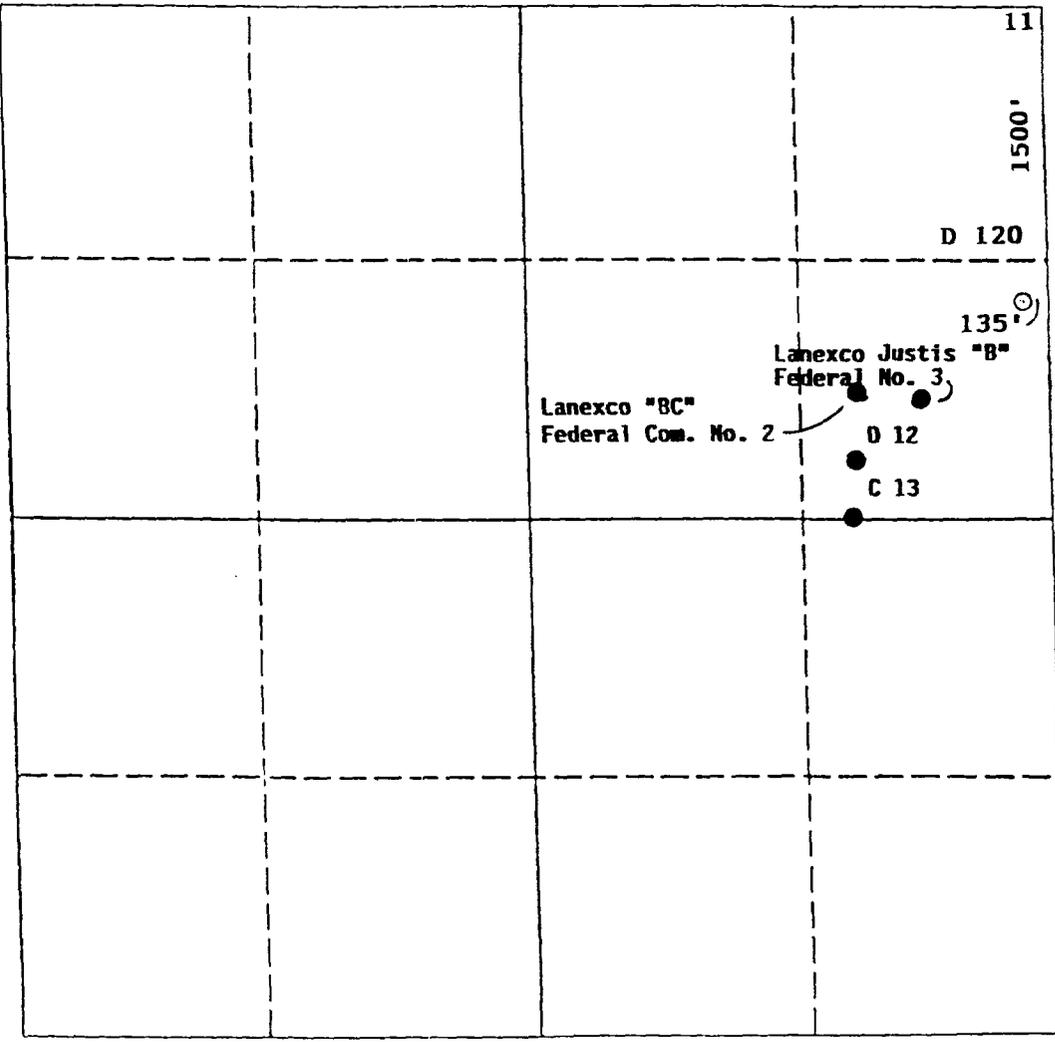
Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "D"		Well No. 120
Unit Letter H	Section 11	Township 25 S	Range 37 E	County NMPM	Lea
Actual Footage Location of Well:					
1500 feet from the North line and		135 feet from the East line			
Ground level Elev. 3131'	Producing Formation Blinbry-Tubb-Drinkard		Pool Justis	Dedicated Acreage: 40 Acres	

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Yes No If answer is "yes" type of consolidation _____

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OPERATOR CERTIFICATION

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

Signature: *Johnny Shields*

Printed Name: **Johnny Shields**

Position: **Drilling Team Leader**

Company: **ARCO Oil & Gas Company**

Date: **10-13-93**

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: **Sept. 24, 1993**

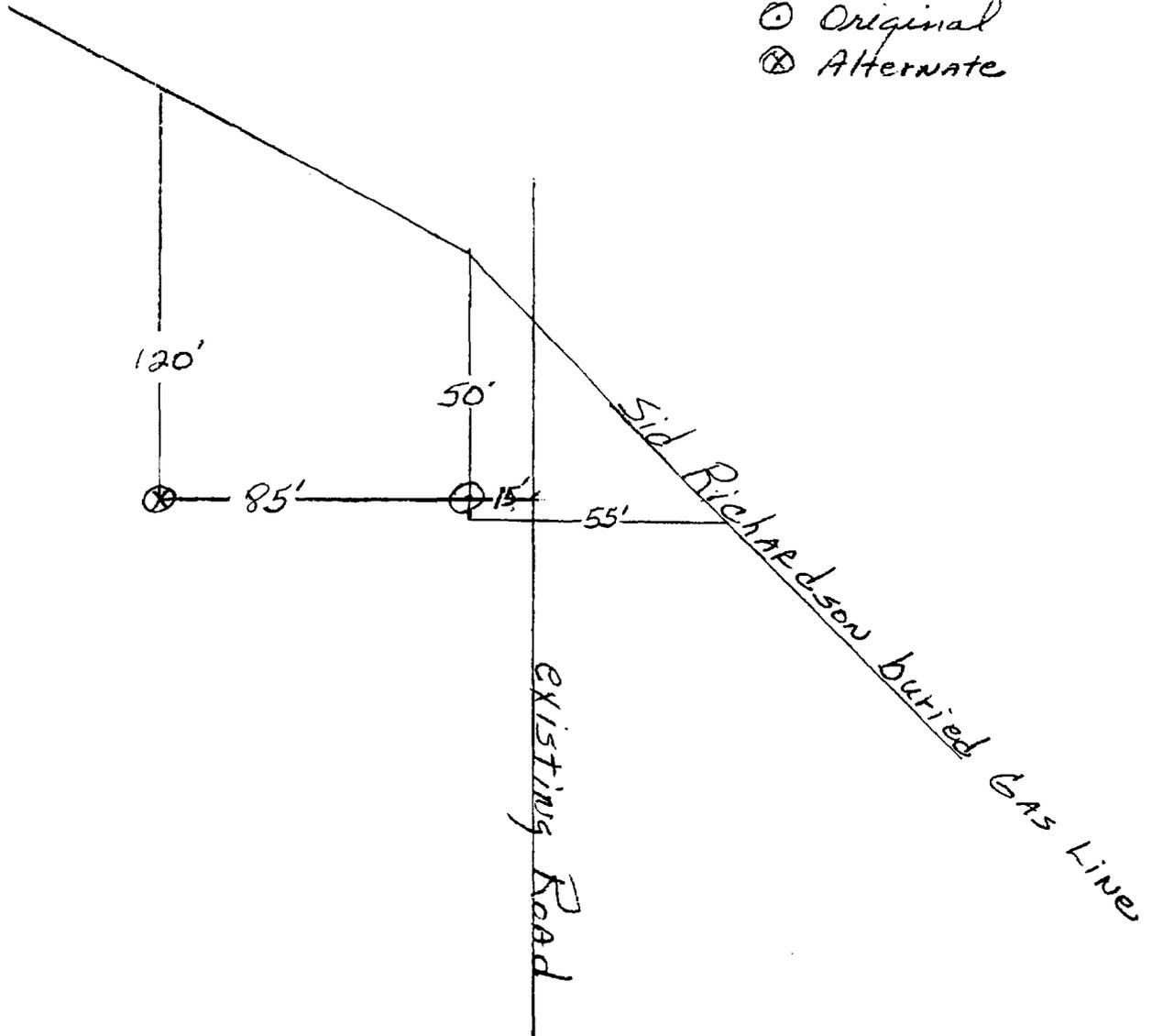
Signature & Seal of Professional Surveyor: *[Signature]*

Certificate No.: **648**

General Purpose Worksheet

Subject	<i>L. T. U. D- #120</i>	Page No.	Of
File		By	Date

⊙ Original
⊗ Alternate



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

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

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

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

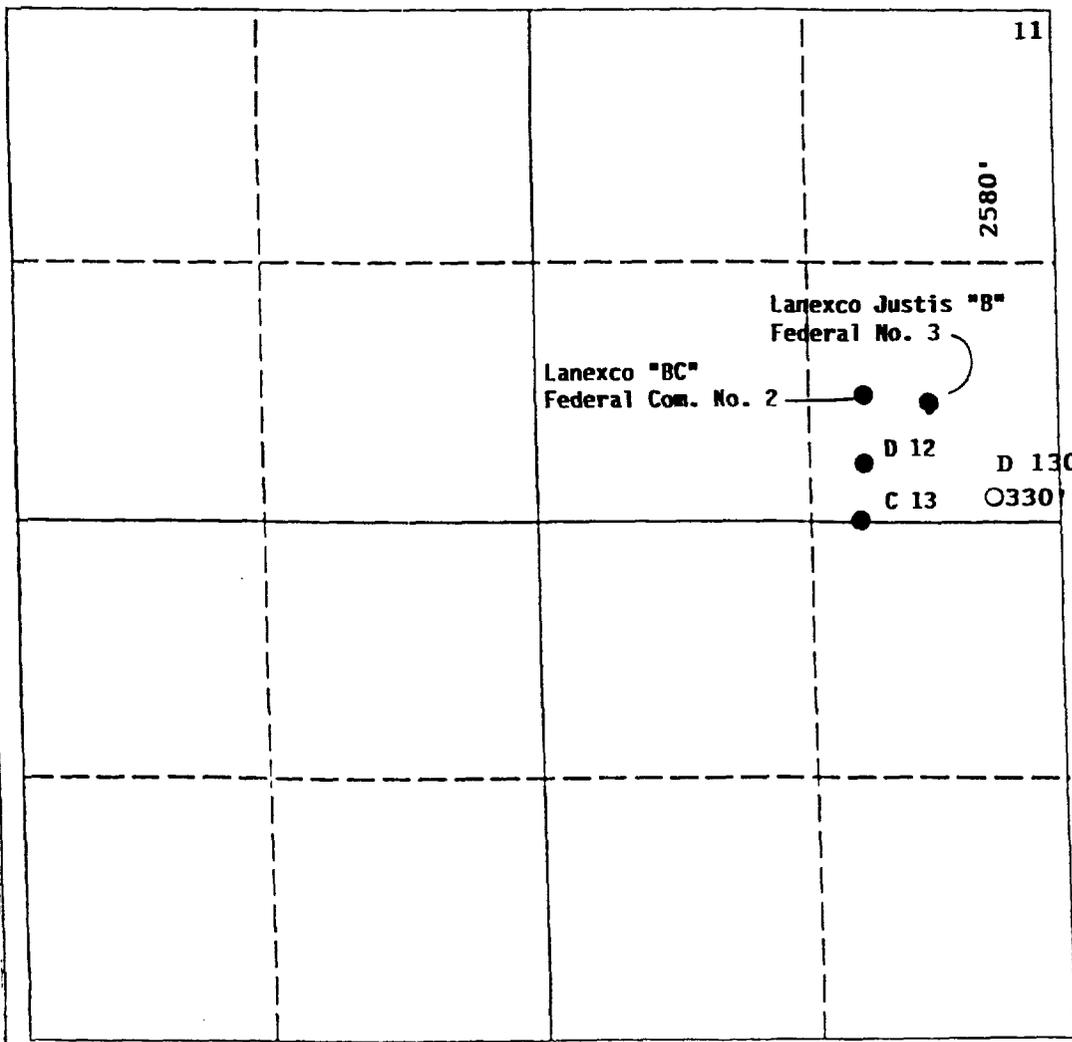
DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "D"			Well No. 130		
Unit Letter H	Section 11	Township 25 S	Range 37 E	County Lea		MMPM		
Actual Footage Location of Well:								
2580 feet from the North line and			330 feet from the East line					
Ground level Elev. 3132'		Producing Formation Blinebry-Tubb-Drinkard			Pool Justis		Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
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OPERATOR CERTIFICATION

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Signature: *Johnny Shields*

Printed Name: **Johnny Shields**

Position: **Drilling Team Leader**

Company: **ARCO Oil & Gas Company**

Date: **10-13-93**

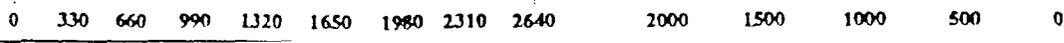
SURVEYOR CERTIFICATION

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Date Surveyed: **Sept. 24, 1993**

Signature & Seal of Professional Surveyor: *[Signature]*

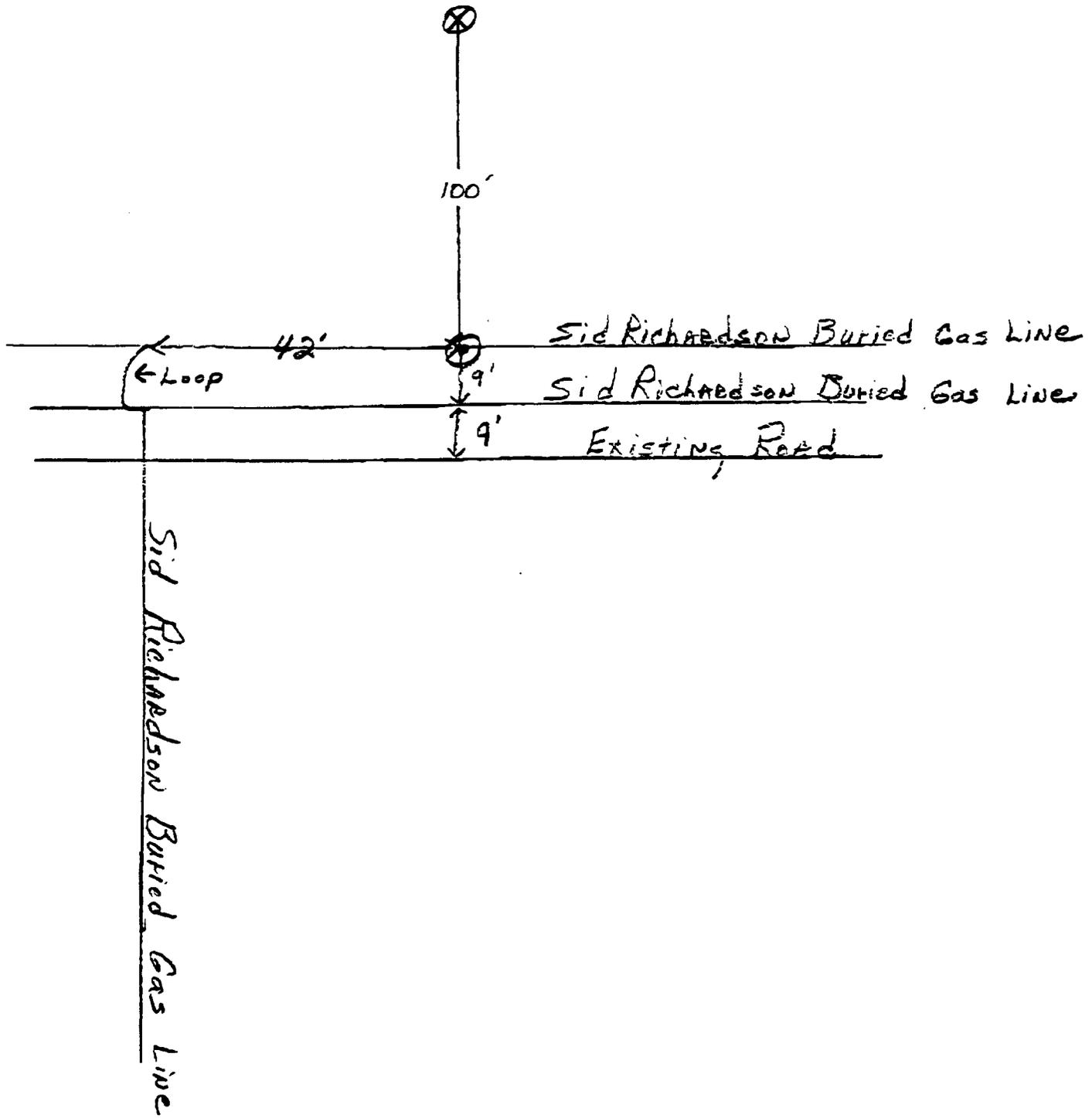
Certificate No.: **648**



General Purpose Worksheet

Subject	A. J. U. D. #130		Page No.	01
File			By	Date

⊙ original
 ⊗ alternate



LOCATION STAKING CHECK SHEET SOUTH AREA

- 1. AFE # 919365
- 2. Location name S. J. U. D. #130
- 3. Location staked on original _____; alternate X
- 4. New legals if on alternate 2700 FSL 330 FEL

5. Surface concerns:

- a. Overhead power lines : primary _____; secondary _____.
- b. Buried lines: power _____, flow _____, gas X, or gas inj. _____.
- c. Surface lines: flow _____, gas _____, or gas inj. _____.
- d. Natural occurring obstacles _____.

6. Can a, b, or c be economically moved yes _____, or no X.

7. Location size (approximate):

- a. For well less than 8000 ft., (160 x 250) X
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- c. For well deep well 500 ft. x 500 ft., (includes pit area). _____.

*OK
RSP
9-24-93*

8. Approximate pit size:

- a. 80 ft. x 100 ft. _____.
- b. 100 ft. x 120 ft. X
- c. 120 ft. x 150 ft. _____.
- d. 200 ft. x 200 ft. _____.

9. V-door direction : North _____, East X, South _____, or West _____.

10. Estimated length of new road to be constructed NONE

11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.

12. Normal land use: grazing X, farming _____, or residential _____.

13. If farm land is it irrigated _____, or dry land _____.

14. Describe any other concerns 2 - Sid Richardson gas lines running East & West, 42' West ave. of the lines tie into a line running South only. No new Rd.

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

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-102
 Revised 1-1-89

OIL CONSERVATION DIVISION

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 Santa Fe, New Mexico 87504-2088

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 P.O. Box 1980, Hobbs, NM 88240

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 P.O. Drawer DD, Artesia, NM 88210

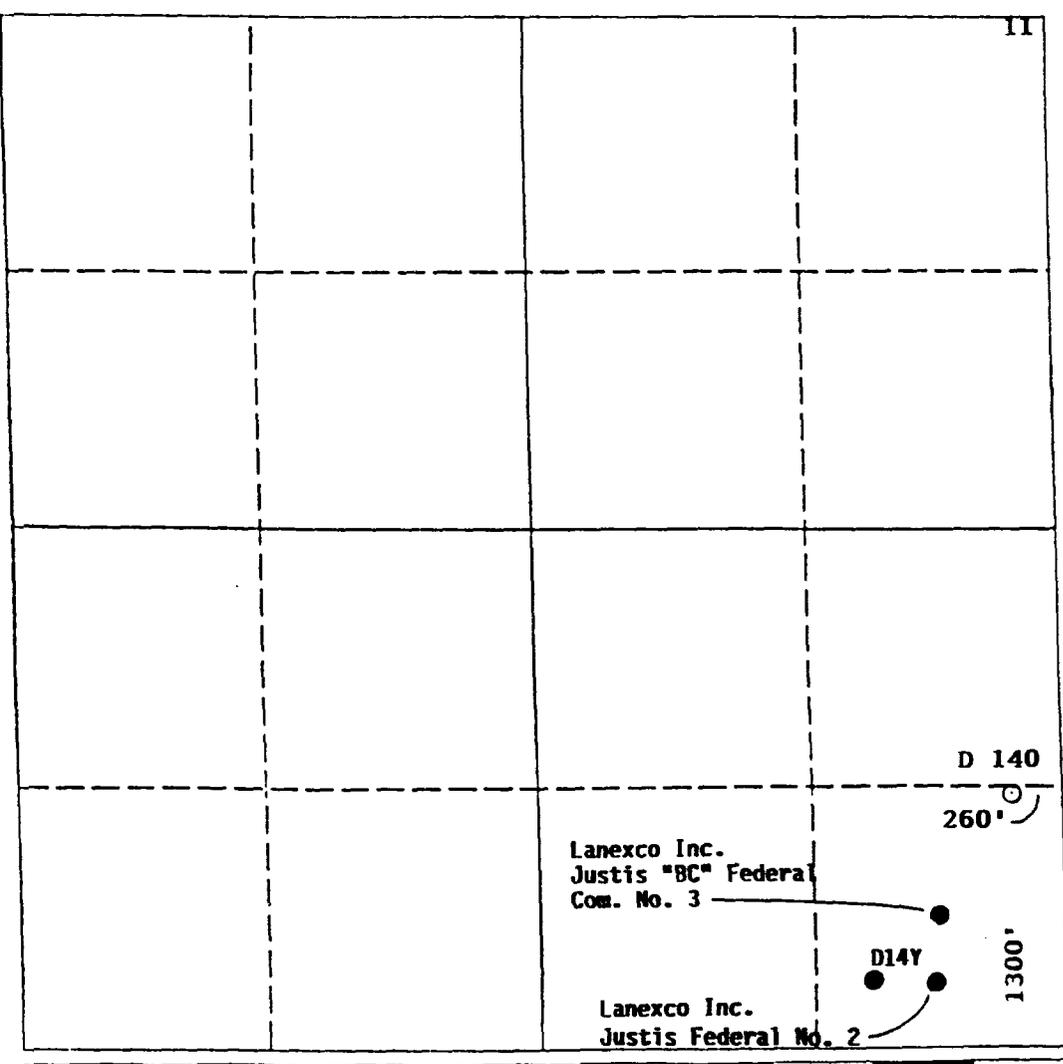
STRICT III
 100 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "D"		Well No. 140
Unit Letter P	Section 11	Township 25 S	Range 37 E	County Lea	
Actual Footage Location of Well: 1300 feet from the South line and 260 feet from the East line					
Ground level Elev. 3127'	Producing Formation Blinebry-Tubb-Drinkard		Pool Justis	Dedicated Acreage: 40 Acres	

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Signature: *Johnny Shields*
 Printed Name: **Johnny Shields**
 Position: **Drilling Team Leader**
 Company: **ARCO Oil & Gas Company**
 Date: **10-13-93**

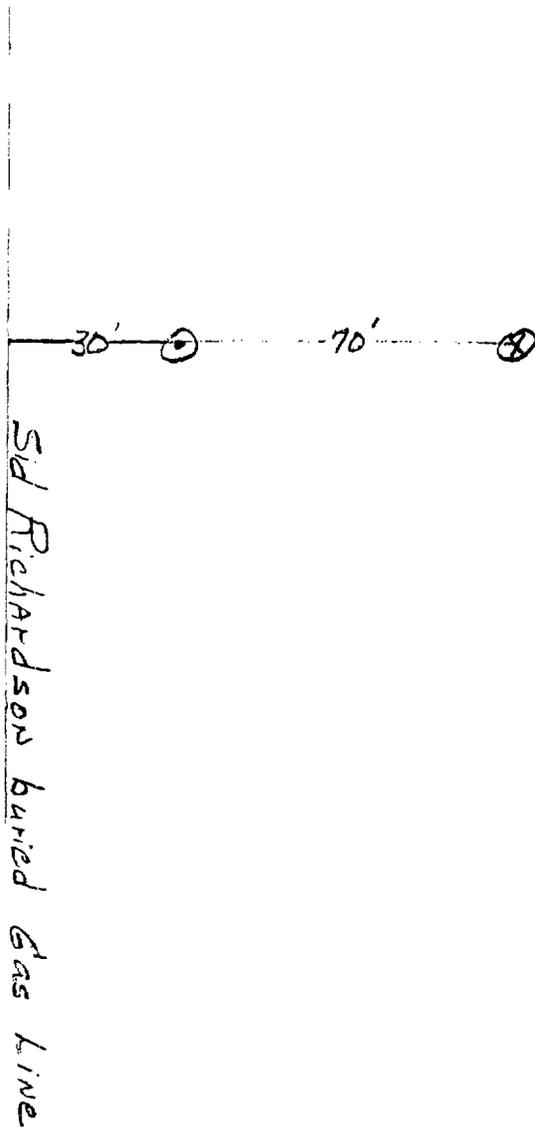
SURVEYOR CERTIFICATION
 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: **Sept. 24, 1993**
 Signature & Seal of Professional Surveyor: *[Signature]*
 Certificate No.: **648**

General Purpose Worksheet

Subject <i>S. J. H. D-#140</i>	Page No. <i>01</i>
File	By _____ Date _____

- ⊙ original
- ⊗ Alternate



LOCATION STAKING CHECK SHEET SOUTH AREA

1. AFE # 919.373
2. Location name S. J. H. D. #140
3. Location staked on original _____; alternate X
4. New legals if on alternate 1300 FSL 260 FEL
5. Surface concerns:
 - a. Overhead power lines : primary _____; secondary _____
 - b. Buried lines: power _____, flow _____, gas X, or gas inj. _____
 - c. Surface lines: flow _____, gas _____, or gas inj. _____
 - d. Natural occurring obstacles _____
6. Can a, b, or c be economically moved yes _____, or no X
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X
 - b. For well at least 8000 ft., (180 x 300) _____
 - c. For well deep well 500 ft. x 500 ft., (includes pit area). _____
8. Approximate pit size:
 - a. 80 ft. x 100 ft. _____
 - b. 100 ft. x 120 ft. X
 - c. 120 ft. x 150 ft. _____
 - d. 200 ft. x 200 ft. _____
9. V-door direction : North _____, East _____, South _____, or West X
10. Estimated length of new road to be constructed 300'
11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____
13. If farm land is it irrigated _____, or dry land _____
14. Describe any other concerns Sid Richardson Gas Line 30' to East
Road going east from location 300' to existing Rd.

U 12
RSP
9-27-93

ARCO Oil and Gas Company ↔

400 North Myrtle Street
Post Office Box 1011
Midland, Texas 79702
Telephone 915/835-1100

Western District

OIL CONSERVATION DIVISION
RECEIVED

'93 OCT 22 AM 8 54

October 19, 1993

State of New Mexico
Oil Conservation Division
P. O. Box 2088
Sante Fe, NM 87504-2088
Attn: Michael E. Stogner

RE: Relocation of Wells

Dear sir:

As provided by Order R-9747, page 6, paragraph 10, ARCO is requesting administrative approval of the following relocated wells:

<u>Lease Name & Well Number</u>	<u>Corrected Footage</u>	<u>Sec-Twp-Rng</u>	<u>Unit</u>
SJU Tract B No. 110	900 FNL & 1650 FWL	11-25S-37E	C
SJU Tract D No. 120	1500 FNL & 135 FEL	11-25S-37E	H
SJU Tract D No. 130	2580 FNL & 330 FEL	11-25S-37E	H
SJU Tract D No. 140	1300 FSL & 260 FEL	11-25S-37E	P

Please find attached area plats showing the original location, proposed location and surface obstructions.

Sincerely,



Johnny Shields
Drilling Team Leader
915 688-5674

KWG/sll

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

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

TRACT I
 O. Box 1980, Hobbs, NM 88240

TRACT II
 O. Drawer DD, Artesia, NM 88210

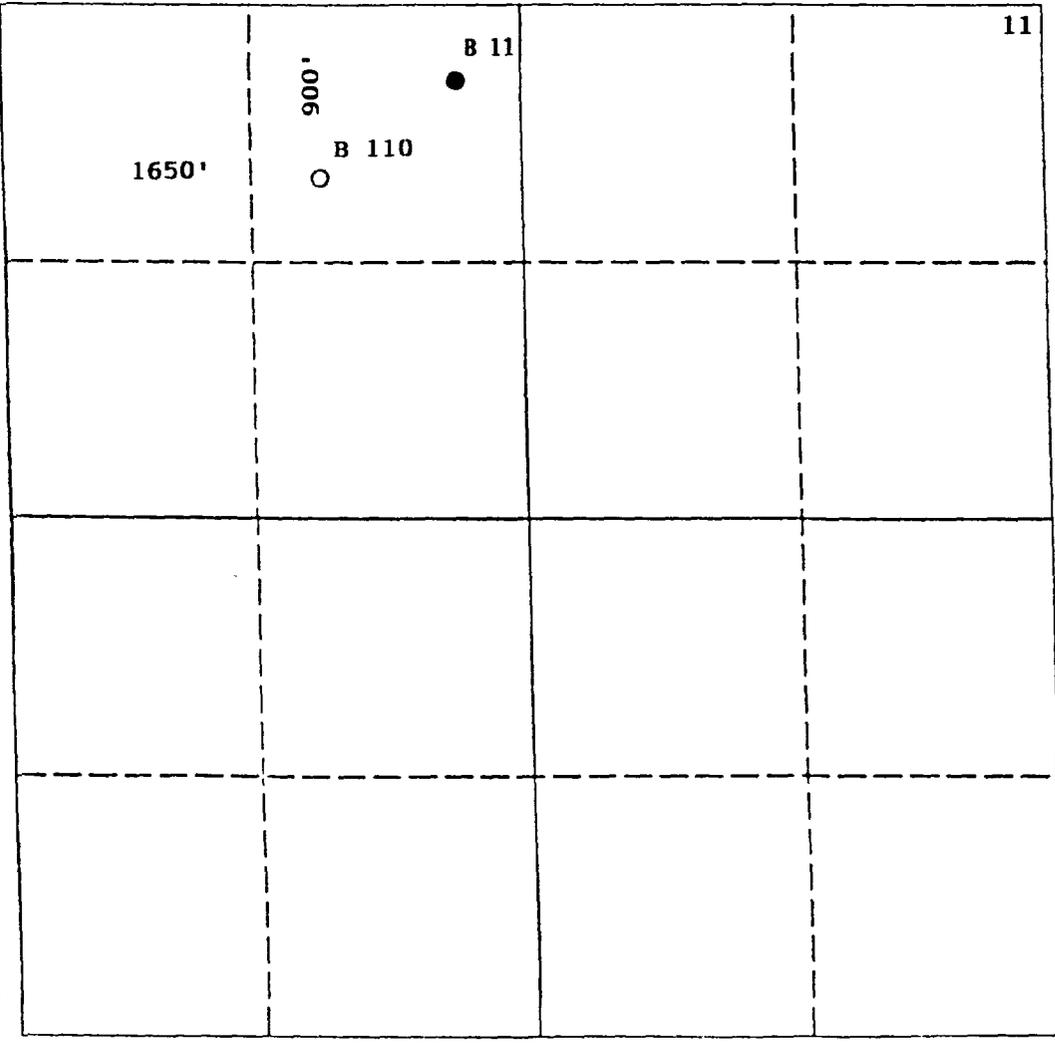
TRACT III
 100 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "B"		Well No. 110
Unit Letter C	Section 11	Township 25 S	Range 37 E	County Lea
Actual Footage Location of Well:				
900	feet from the North	line and	1650	feet from the West line
Ground level Elev. 3122'	Producing Formation Blinbry-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, forced-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: *Johnny Shields*
 Printed Name: **Johnny Shields**

Position: **Drilling Team Leader**
 Company: **ARCO Oil & Gas Company**
 Date: **10-13-93**

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.

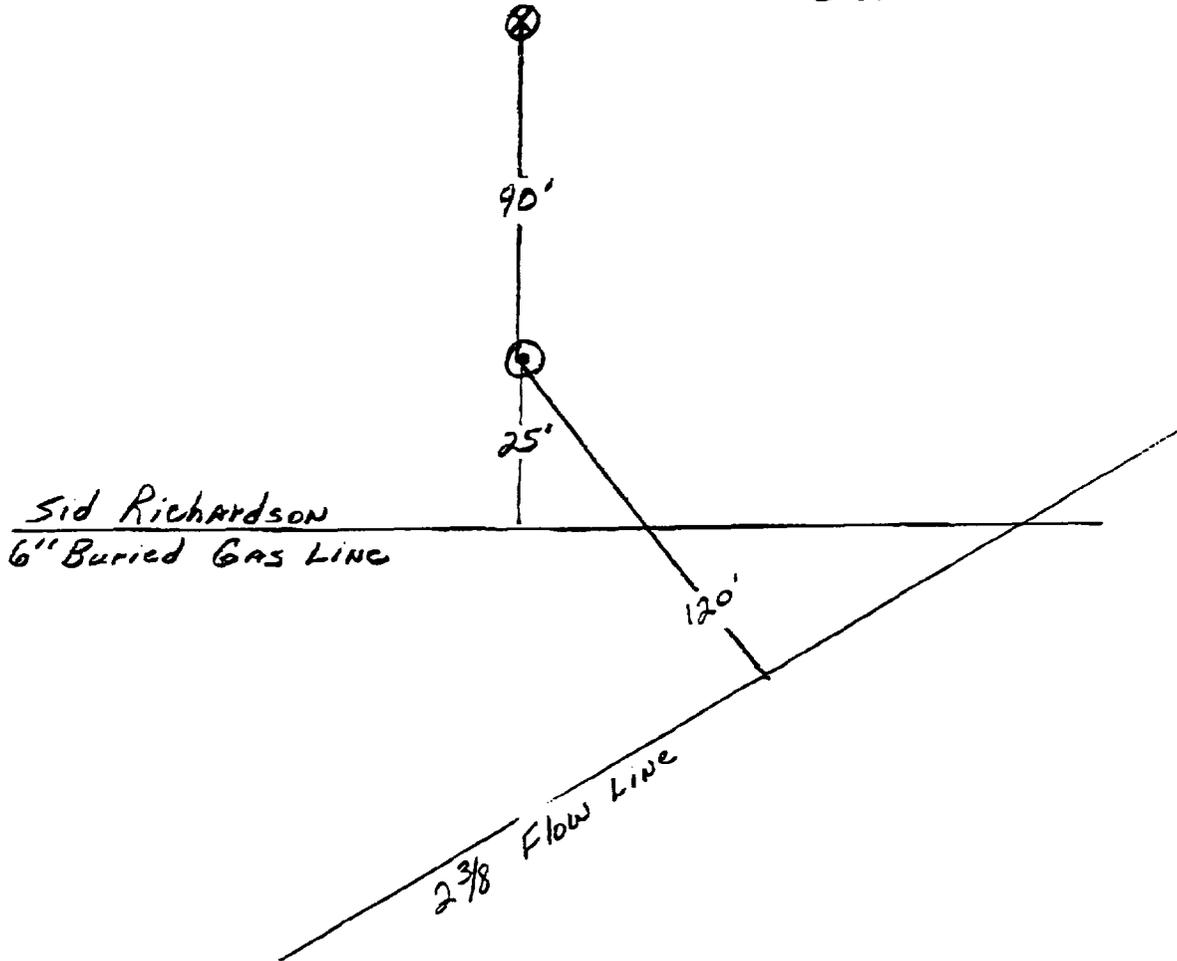
Date Surveyed: **Sept. 24, 1993**

Signature & Seal of Professional Surveyor: *[Signature]*
 Certificate No.: **648**

General Purpose Worksheet

Subject	A.J.U. B # 110	Page No.	Or
File		By	Date

⊙ original
⊗ ALTERNATE



LOCATION STAKING CHECK SHEET SOUTH AREA

1. AFE # 919217
2. Location name S. J. U. B #110
3. Location staked on original _____; alternate X.
4. New legals if on alternate 900 FNL 1650 FWL
5. Surface concerns:
 - a. Overhead power lines : primary _____; secondary _____.
 - b. Buried lines: power _____, flow _____, gas X, or gas inj. _____.
 - c. Surface lines: flow X, gas _____, or gas inj. _____.
 - d. Natural occurring obstacles _____.
6. Can a, b, or c be economically moved yes _____, or no X.
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X
 - b. For well at least 8000 ft., (180 x 300) _____
 - c. For well deep well 500 ft. x 500 ft., (includes pir area). _____
8. Approximate pit size:
 - a. 80 ft. x 100 ft. _____.
 - b. 100 ft. x 120 ft. X
 - c. 120 ft. x 150 ft. _____.
 - d. 200 ft. x 200 ft. _____.
9. V-door direction : North _____, East _____, South X, or West _____.
10. Estimated length of new road to be constructed 200'
11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____.
13. If farm land is it irrigated _____, or dry land _____.
14. Describe any other concerns Sid Richardson 6" gas line 25' South of original stake, 200' of new Rd. going N. to existing Rd.

OK
RSP
9-24-93

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

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

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

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

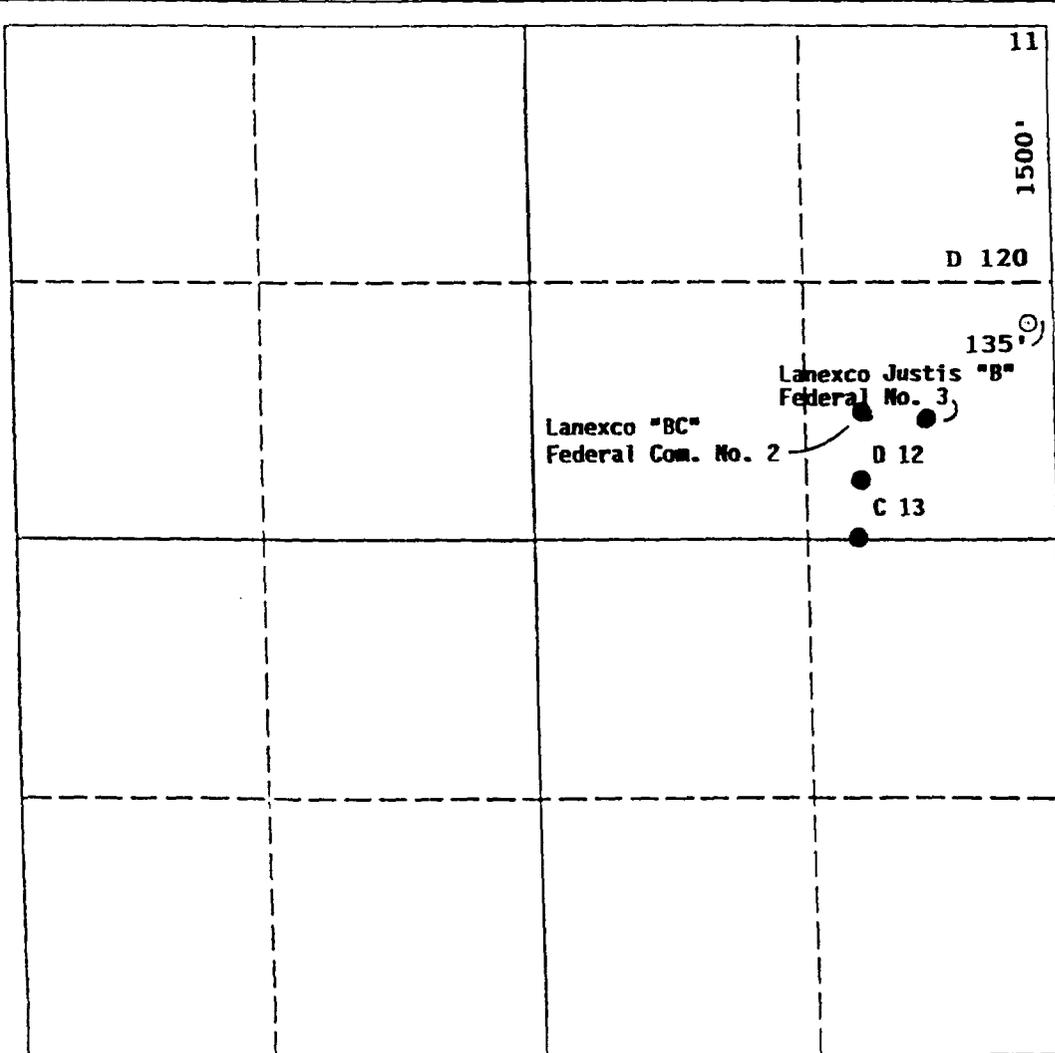
DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "D"			Well No. 120		
Unit Letter H	Section 11	Township 25 S	Range 37 E	County NMPM		Lea		
Actual Footage Location of Well: 1500 feet from the North line and 135 feet from the East line								
Ground level Elev. 3131'			Producing Formation Blinebry-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, forced-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: *Johnny Shields*

Printed Name: **Johnny Shields**

Position: **Drilling Team Leader**

Company: **ARCO Oil & Gas Company**

Date: **10-13-93**

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: **Sept. 24, 1993**

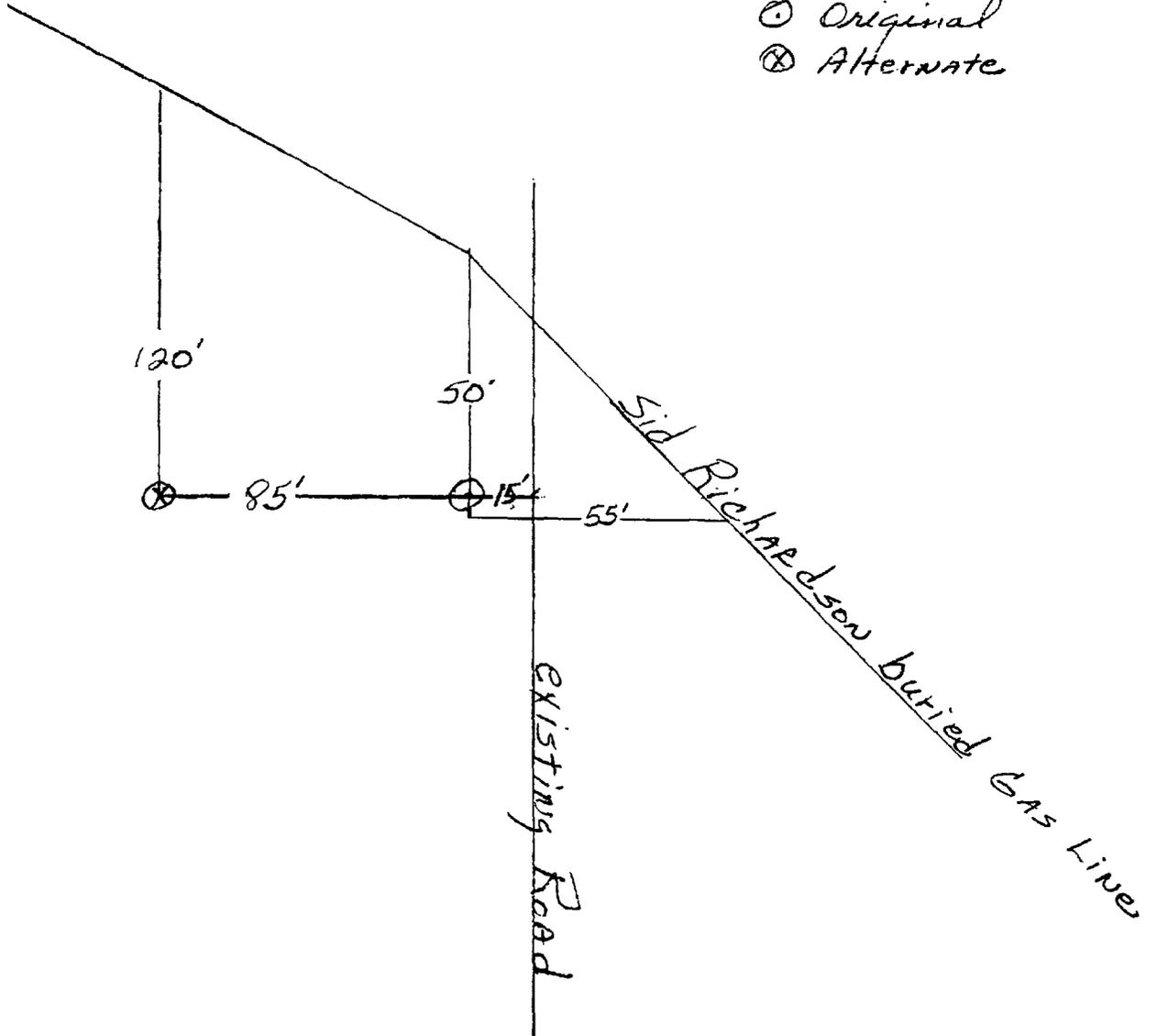
Signature & Seal of Professional Surveyor: *[Signature]*

Certificate No. _____

General Purpose Worksheet

Subject <i>S. T. U. D-#120</i>	Page No. _____ Of _____
File _____	By _____ Date _____

⊙ Original
⊗ Alternate



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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

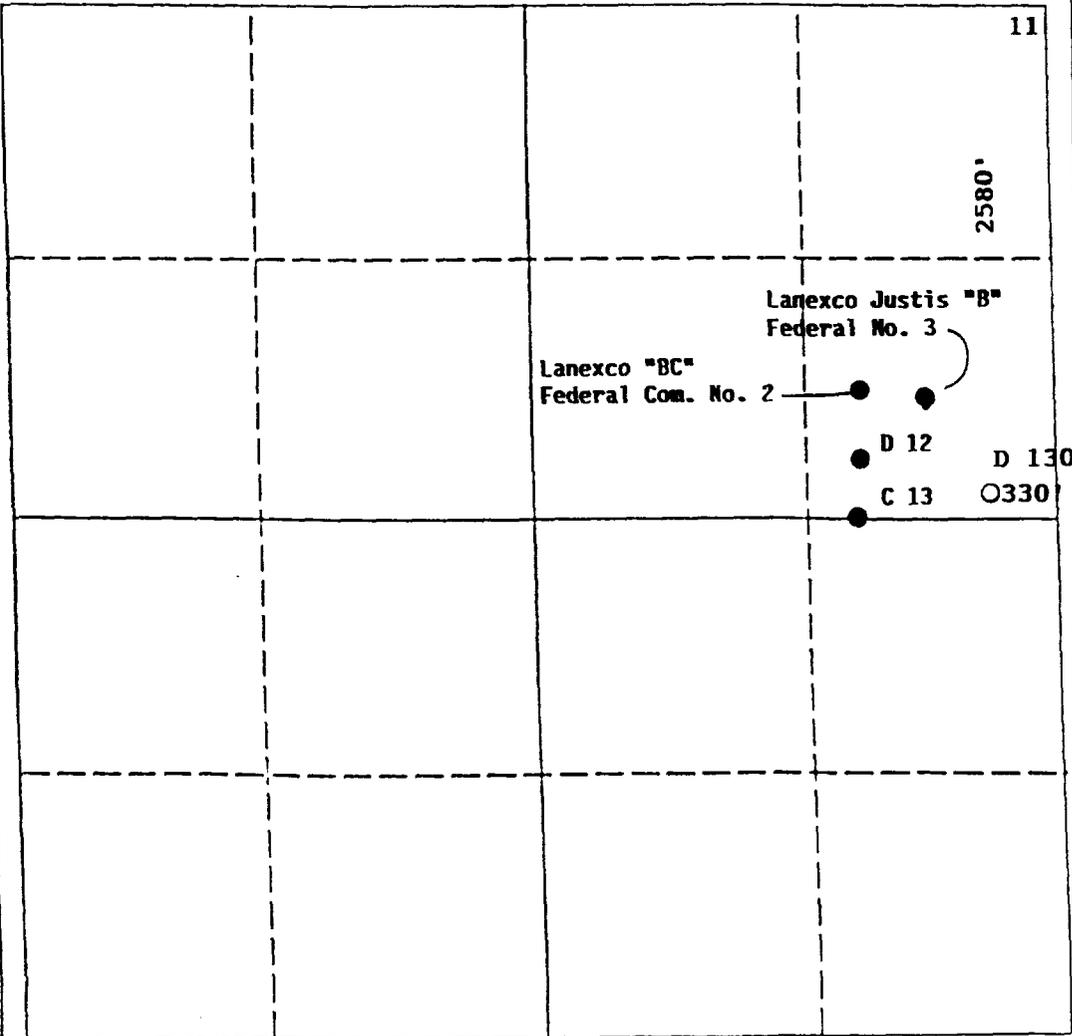
Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "D"			Well No. 130		
Unit Letter H	Section 11	Township 25 S	Range 37 E	County NMPM		Lea		
Actual Footage Location of Well:								
2580 feet from the North line and			330 feet from the East line					
Ground level Elev. 3132'			Producing Formation Blinbry-Tubb-Drinkard			Pool Justis		
						Dedicated Acreage: 40 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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: *Johnny Shields*

Printed Name: **Johnny Shields**

Position: **Drilling Team Leader**

Company: **ARCO Oil & Gas Company**

Date: **10-13-93**

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: **Sept. 24, 1993**

Signature & Seal of Professional Surveyor: *[Signature]*

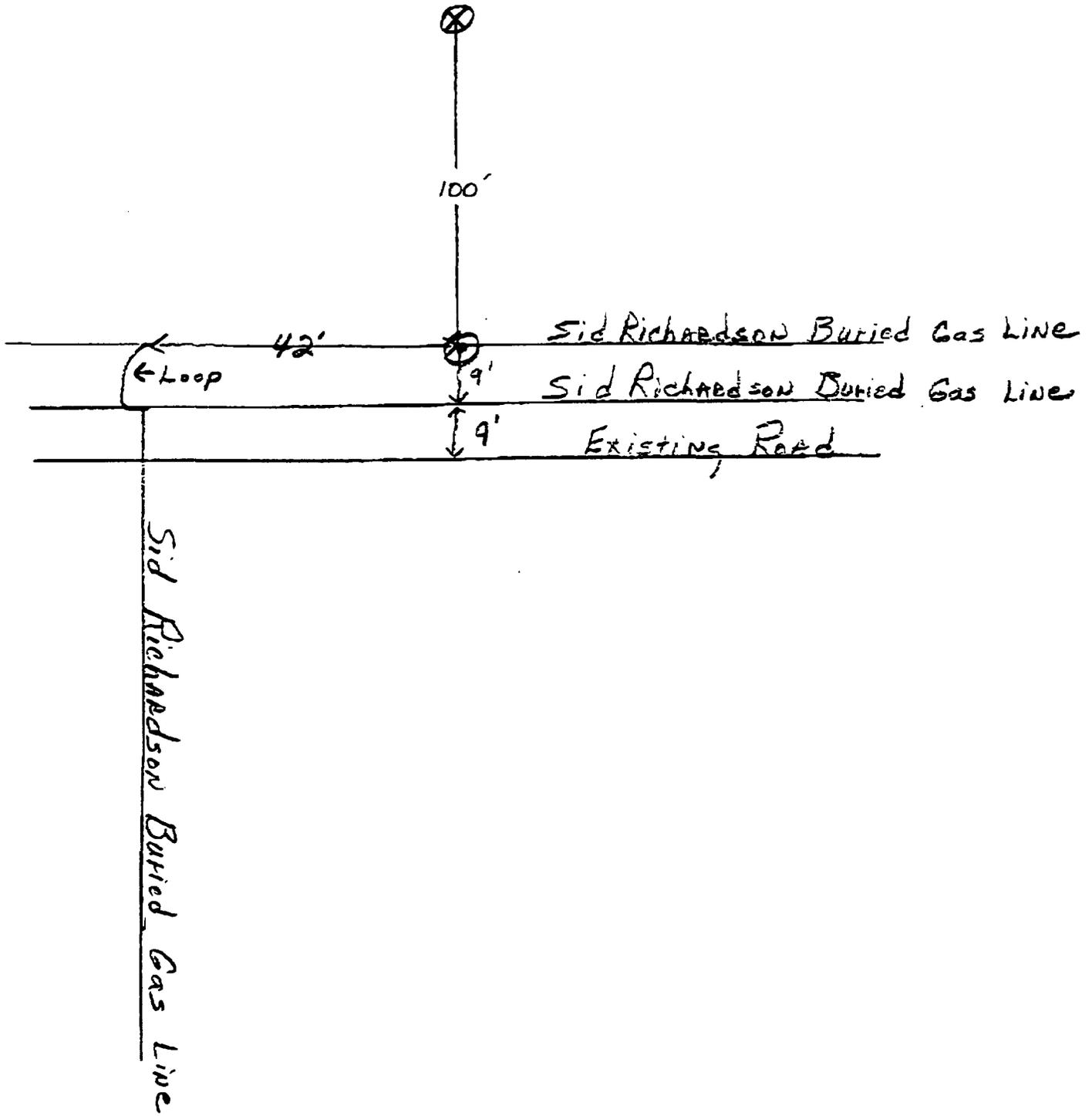
Certificate No.: **648**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

General Purpose Worksheet

Subject	L.J.U. D. #130		Page No.	Of
File			By	Date

⊙ original
 ⊗ alternate



LOCATION STAKING CHECK SHEET SOUTH AREA

- 1. AFE # 919365
- 2. Location name S. J. U. D. #130
- 3. Location staked on original _____; alternate X
- 4. New legals if on alternate 2700 FSL 330 FEL

5. Surface concerns:

- a. Overhead power lines : primary _____; secondary _____.
- b. Buried lines: power _____, flow _____, gas X, or gas inj. _____.
- c. Surface lines: flow _____, gas _____, or gas inj. _____.
- d. Natural occuring obstacles _____.

6. Can a, b, or c be economically moved yes _____, or no X.

7. Location size (approximate):

- a. For well less than 8000 ft., (160 x 250) X
- b. For well at least 8000 ft., (180 x 300) _____.
- c. For well deep well 500 ft. x 500 ft., (includes pit area). _____.

*OK
RSP
9-24-93*

8. Approximate pit size:

- a. 80 ft. x 100 ft. _____.
- b. 100 ft. x 120 ft. X
- c. 120 ft. x 150 ft. _____.
- d. 200 ft. x 200 ft. _____.

9. V-door direction : North _____, East X, South _____, or West _____.

10. Estimated length of new road to be constructed NONE

11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.

12. Normal land use: grazing X, farming _____, or residential _____.

13. If farm land is it irrigated _____, or dry land _____.

14. Describe any other concerns 2 - Sid Richardson gas lines running East & West, 42' West ave of the line tie into a line running South only. No new Rd.

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

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

STRICT I
 D. Box 1980, Hobbs, NM 88240

STRICT II
 D. Drawer DD, Artesia, NM 88210

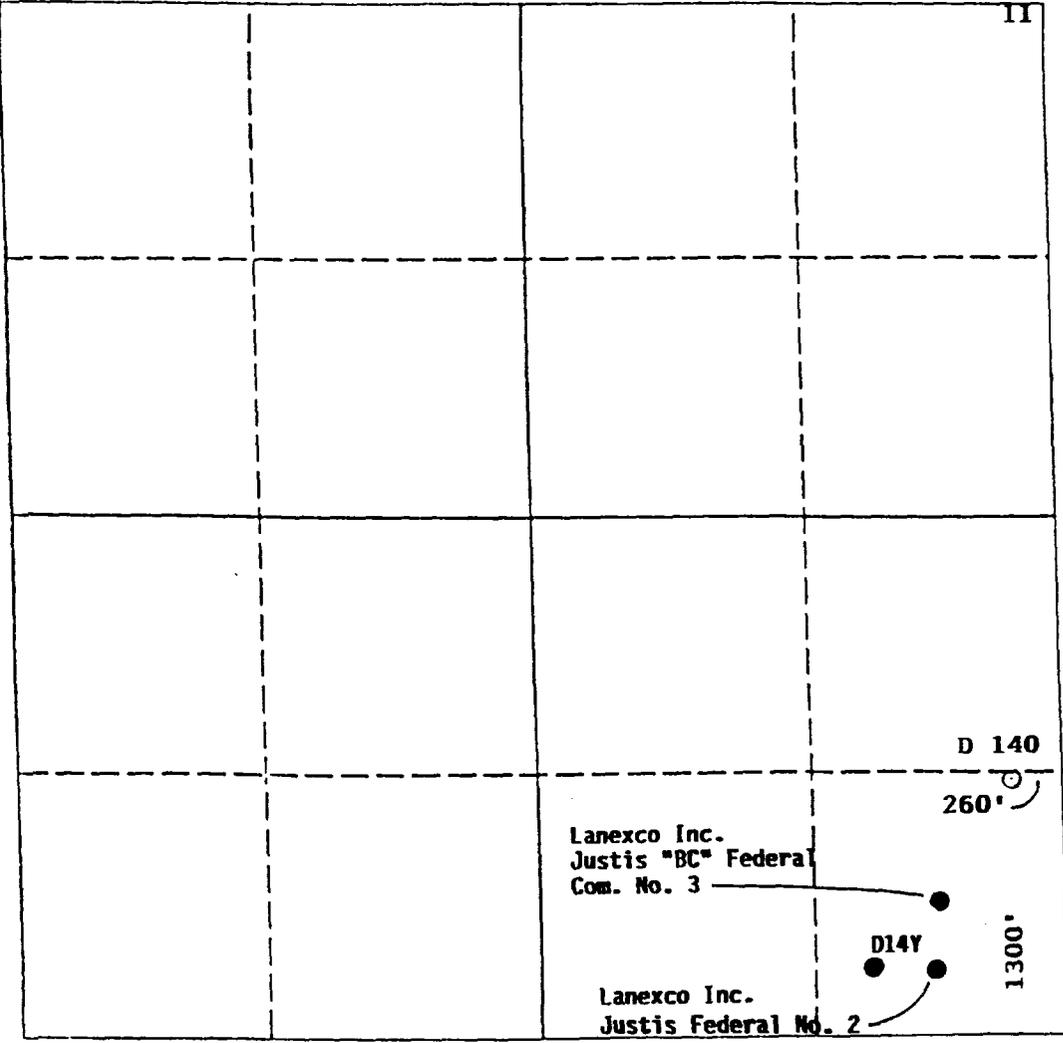
STRICT III
 00 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "D"		Well No. 140
Unit Letter P	Section 11	Township 25 S	Range 37 E	County Lea	
Actual Footage Location of Well: 1300 feet from the South line and 260 feet from the East line					
Ground level Elev. 3127'	Producing Formation Blinbry-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, forced-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: *Johnny Shields*
 Printed Name: **Johnny Shields**
 Position: **Drilling Team Leader**
 Company: **ARCO Oil & Gas Company**
 Date: **10-13-93**

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.

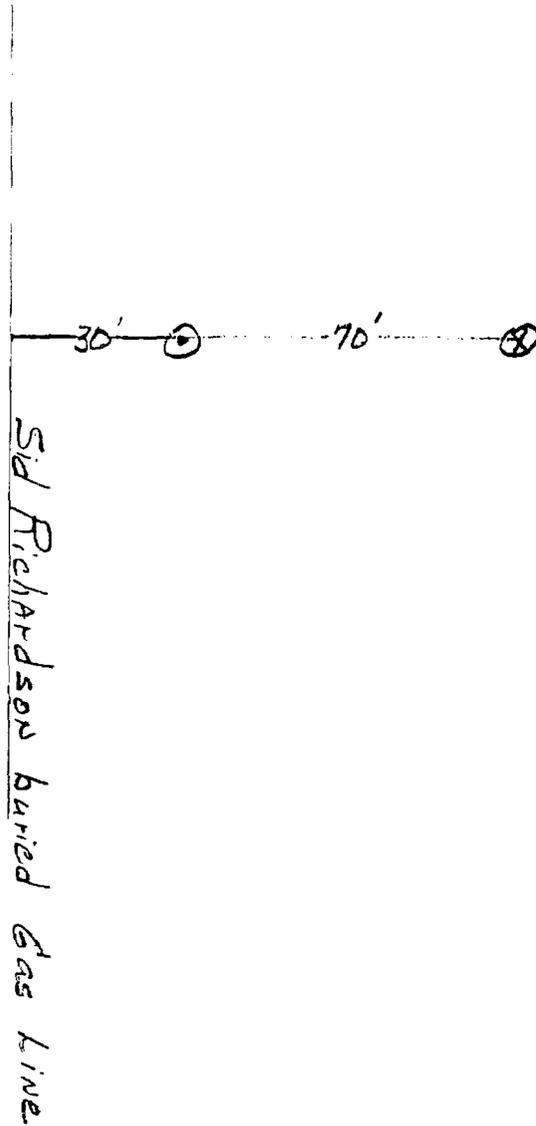
Date Surveyed: **Sept. 24, 1993**

Signature & Seal of Professional Surveyor: *Steve Saunders*
 Certificate No.: **648**

General Purpose Worksheet

Subject <i>S. J. U. D. # 140</i>	Page No. <i>01</i>
File	By _____ Date _____

- ⊙ original
- ⊗ Alternate



LOCATION STAKING CHECK SHEET SOUTH AREA

1. AFE # 919373
2. Location name S. J. H. D. #140
3. Location staked on original _____; alternate X
4. New legals if on alternate 1300 FSL 260 FEL
5. Surface concerns:
 - a. Overhead power lines : primary _____; secondary _____
 - b. Buried lines: power _____, flow _____, gas X, or gas inj. _____
 - c. Surface lines: flow _____, gas _____, or gas inj. _____
 - d. Natural occurring obstacles _____
6. Can a, b, or c be economically moved yes _____, or no X
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X
 - b. For well at least 8000 ft., (180 x 300) _____
 - c. For well deep well 500 ft. x 500 ft., (includes pit area). _____
8. Approximate pit size:
 - a. 80 ft. x 100 ft. _____
 - b. 100 ft. x 120 ft. X
 - c. 120 ft. x 150 ft. _____
 - d. 200 ft. x 200 ft. _____
9. V-door direction : North _____, East _____, South _____, or West X
10. Estimated length of new road to be constructed 300'
11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____
13. If farm land is it irrigated _____, or dry land _____
14. Describe any other concerns Sid Richardson Gas Line 30' to East.
Road going east from location 300' to existing Rd.

U 12
RSP
9-27-93

ARCO Oil and Gas Company ◆

600 North Maricfield Street
Post Office Box 1610
Midland Texas 79702
Telephone 915 685 5200

Western District

RECORDED & INDEXED
OIL CONSERVATION DIVISION
SEP 28 1993
SEP 9 01

September 27, 1993

State of New Mexico
Oil Conservation Division
P. O. Box 2088
Sante Fe, NM 87504-2088
Attn: Michael E. Stogner

RE: Relocation of Unorthodox Locations

Dear sir:

As provided by Order R-9747, page 6, paragraph 10, ARCO is requesting administrative approval of the following relocated wells:

<u>Lease Name & Well Number</u>		<u>Corrected Footage</u>	<u>Sec-Twp-Rng</u>	<u>Unit</u>
* SJU Tract D	No. 150 ✓	30 FSL & 100 FEL ✓	11-25S-37E	P ✓
SJU Tract F	No. 150 ✓	200 FNL & 2420 FWL ✓	13-25S-37E	C ✓
SJU Tract G	No. 184 ✓	160 FSL & 1450 FEL ✓	13-25S-37E	O ✓
SJU Tract G	No. 192 ✓	1100 FNL & 1350 FEL ✓	24-25S-37E	B ✓
SJU Tract H	No. 200 ✓	2670 FNL & 100 FEL ✓	24-25S-37E	I ✓
SJU Tract H	No. 210 ✓	1370 FSL & 330 FEL ✓	24-25S-37E	I ✓
SJU Tract H	No. 232 ✓	1275 FNL & 150 FEL ✓	25-25S-37E	A ✓
SJU Tract H	No. 242 ✓	2380 FNL & 150 FEL ✓	25-25S-37E	H ✓

* SJU "D" #150 was moved from the NE/4 of Sec 14 to the SE/4 of Sec 11-25S-37E.

Please find attached area plats showing original location, proposed location and obstructions.

Sincerely,

Ken W. Gosnell
Ken W. Gosnell
Agent
915 688-5672

This will be the SJU Tract F #194. Same location.

LOCATION STAKING CHECK SHEET SOUTH AREA

1. AFE # 919381
2. Location name S.T.U. D-#150 BLM
3. Location staked on original _____; alternate X
4. New legals if on alternate 30' F SL + 100' F EL (P) Sec 11
5. Surface concerns:
 - a. Overhead power lines : primary X; secondary _____
 - b. Buried lines: power _____, flow _____, gas X, or gas inj. _____
 - c. Surface lines: flow _____, gas _____, or gas inj. _____
 - d. Natural occurring obstacles Fence
6. Can a, b, or c be economically moved yes _____, or no X
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X
 - b. For well at least 8000 ft., (180 x 300) _____
 - c. For well deep well 500 ft. x 500 ft., (includes pit area). _____
8. Approximate pit size:
 - a. 80 ft. x 100 ft. _____
 - b. 100 ft. x 120 ft. X
 - c. 120 ft. x 150 ft. _____
 - d. 200 ft. x 200 ft. _____

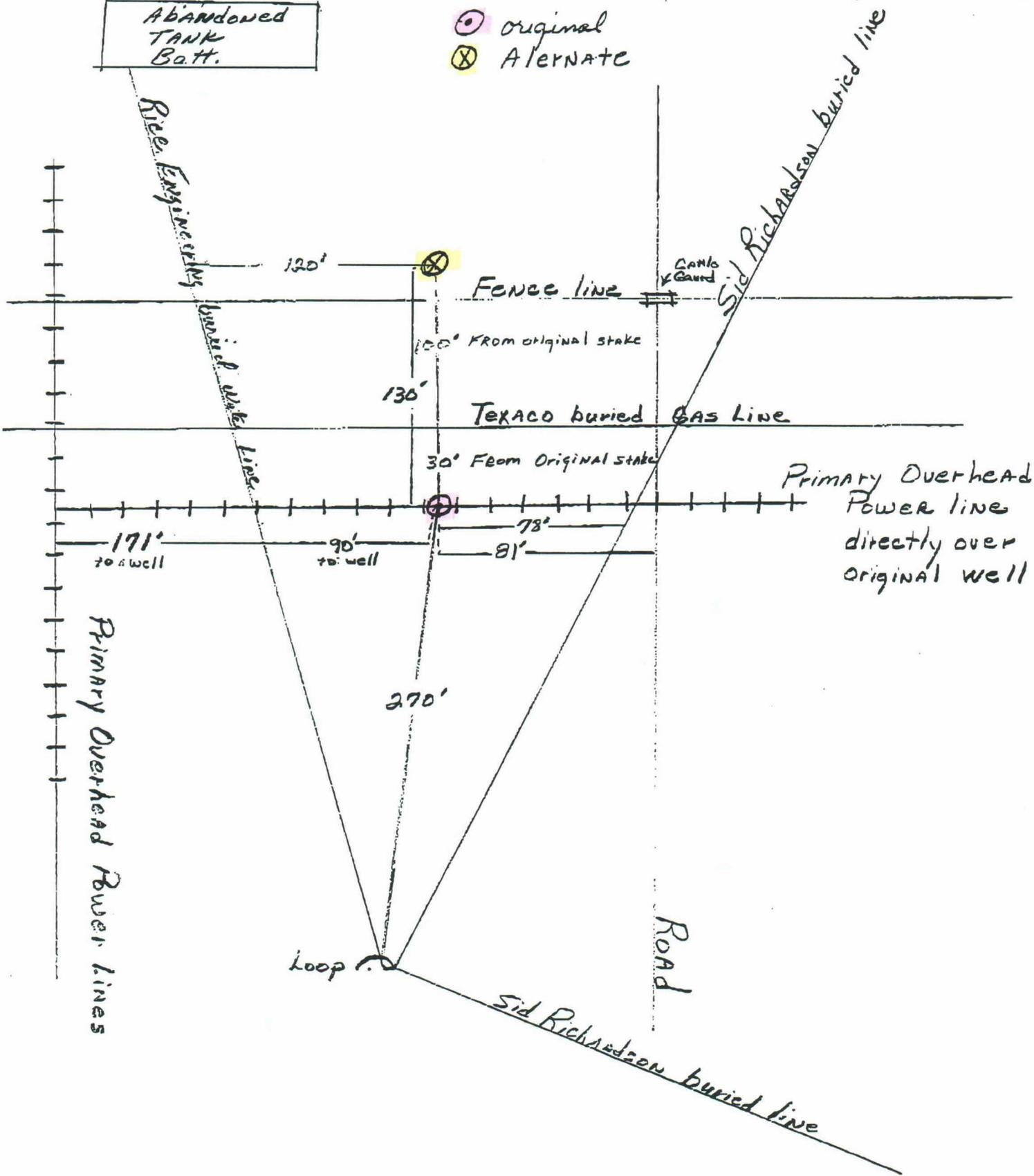
*OK to move
D. Prentice
9-13-93*
9. V-door direction : North _____, East X, South _____, or West _____
10. Estimated length of new road to be constructed NONE
11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____
13. If farm land is it irrigated _____, or dry land _____
14. Describe any other concerns Drive Alt. stake 130' N. That will put well 130' from power lines, 100' from Terrace gas lines & we can cut fences + put temporary fence up & put back up when drilled

General Purpose Worksheet

Subject	S.T.U. D-#150		Page No	01
File		By	Date	

Abandoned
TANK
Batt.

⊙ original
⊗ ALTERNATE



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

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

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

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

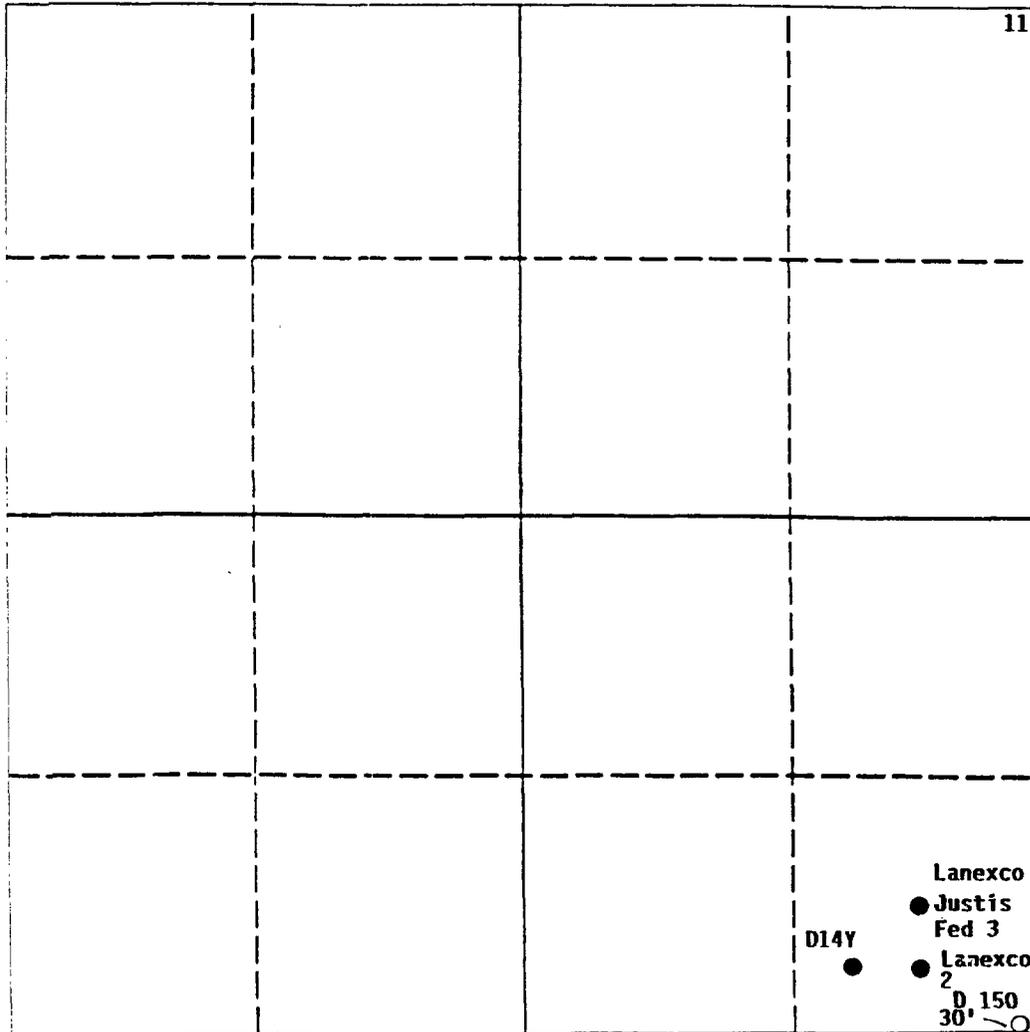
DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "D"		Well No. 150	
Unit Letter P	Section 11	Township 25 S	Range 37 E	County NMPM Lea	
Actual Footage Location of Well: 30 feet from the South line and 100 feet from the East line					
Ground level Elev. 3109	Producing Formation Blinebry-Tubb-Drinkard		Pool Justis	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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
 Agent

Company
 ARCO Oil & Gas Company

Date
 9-22-93

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
 Sept. 13, 1993

Signature & Seal of Professional Surveyor
[Signature]

Certificate No.
 648

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

LOCATION STAKING CHECK SHEET SOUTH AREA

1. AFE # 919691
2. Location name S.J.U. F-#150 BLM
3. Location staked on original _____; alternate X.
4. New legals if on alternate 200' FNL + 2420' FWL
5. Surface concerns:
 - a. Overhead power lines : primary X ; secondary _____.
 - b. Buried lines: power _____, flow _____, gas _____, or gas inj. _____.
 - c. Surface lines: flow _____, gas _____, or gas inj. _____.
 - d. Natural occuring obstacles _____.
6. Can a, b, or c be economically moved yes _____, or no X.
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X.
 - b. For well at least 8000 ft., (180 x 300) _____.
 - c. For well deep well 500 ft. x 500 ft., (includes pit area). _____.
8. Approximate pit size:

NORTH MOVES PITS US IN
CALICHA PIT, E & W IS
PARALLEL TO OBSTACLES

 - a. 80 ft. x 100 ft. _____.
 - b. 100 ft. x 120 ft. X.
 - c. 120 ft. x 150 ft. _____.
 - d. 200 ft. x 200 ft. _____.
9. V-door direction : North X, East _____, South _____, or West _____.
10. Estimated length of new road to be constructed 900'
11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____.
13. If farm land is it irrigated _____, or dry land _____.
14. Describe any other concerns Original location is directly under power lines. Alternate 100' south. Road will cross 12 Texas New Mexico line & cross 1 surface flow line. (ARCO)

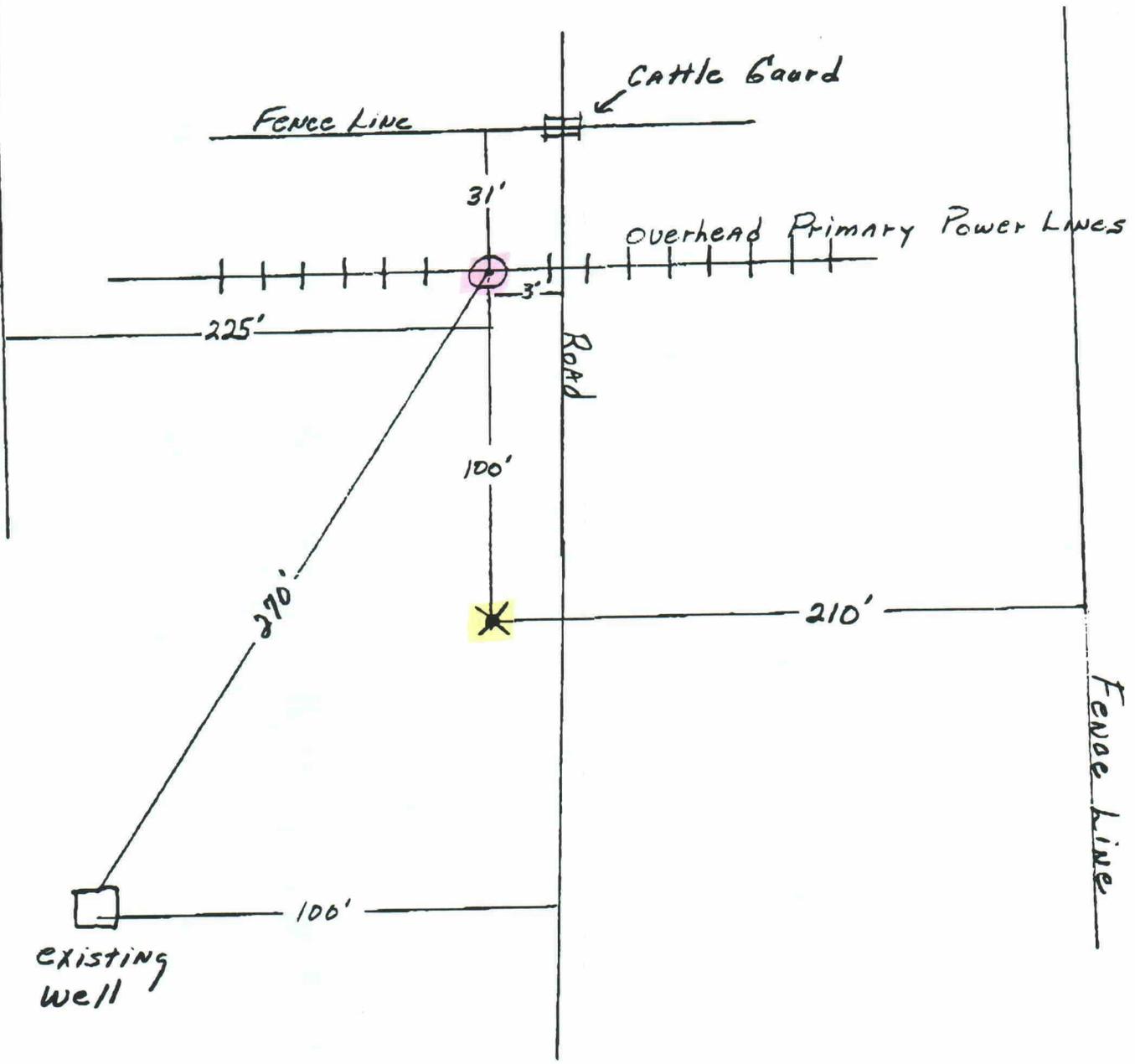
O.K. as PER
DICK PRENTICE
9/9/93

General Purpose Worksheet

Subject	S. J. U. F-#150	
Page No.	0	Date
File	By	Date

○ Original
✕ Alternate

TEXAS NEW MEXICO GAS LINE
 TEXAS NEW MEXICO GAS LINE



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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator		Lease			Well No.	
ARCO OIL AND GAS COMPANY		South Justis Unit "F"			150	
Unit Letter	Section	Township	Range	County		
C	13	25 S	37 E	Lea		
Actual Footage Location of Well:						
200 feet from the North		line and 2420		feet from the West		line
Ground level Elev.		Producing Formation		Pool		Dedicated Acreage:
3091'		Blinebry-Tubb-Drinkard		Justis		40 Acres

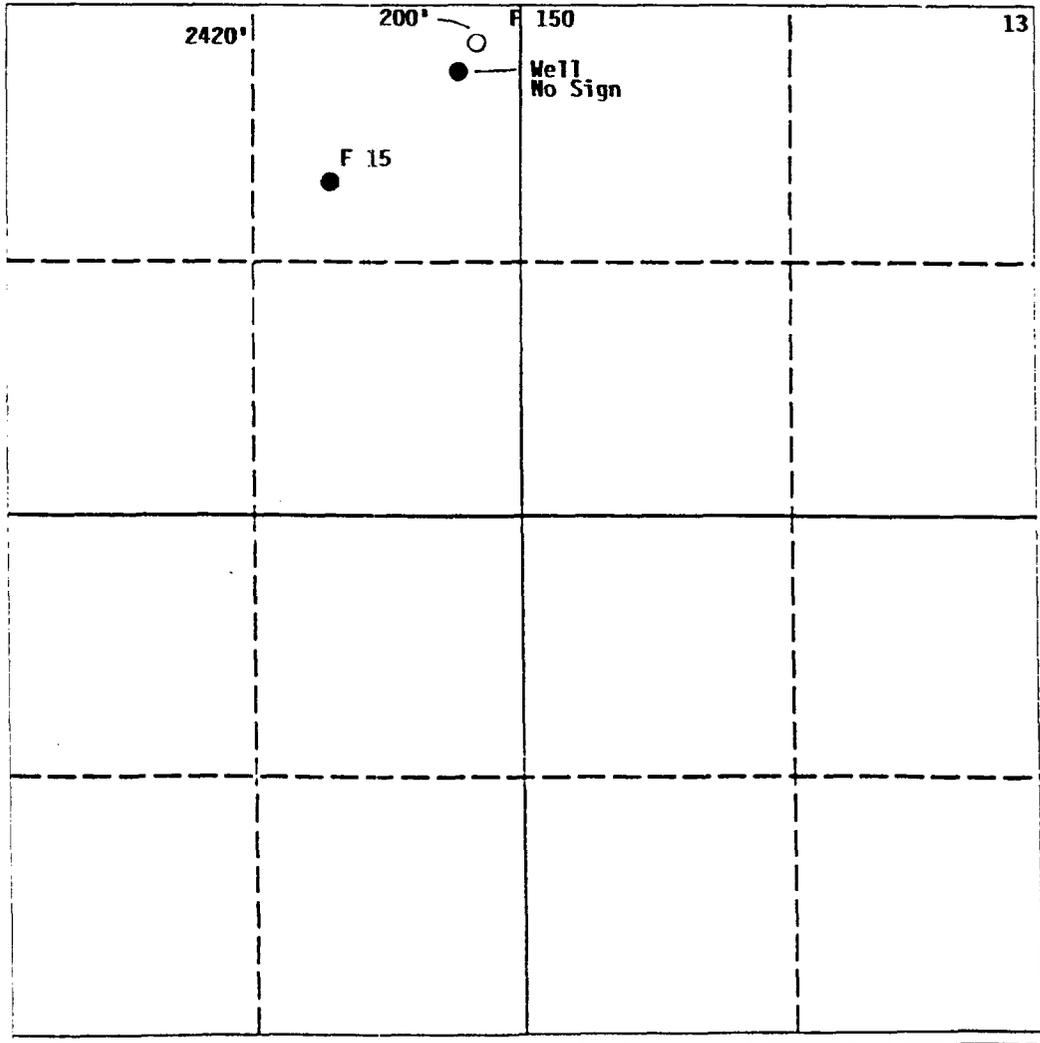
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. 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, forced-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 in true and complete to the best of my knowledge and belief.

Signature: *Ken W. Gosnell*

Printed Name: Ken W. Gosnell

Position: Agent

Company: ARCO Oil & Gas Company

Date: 9-22-93

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: Sept. 11, 1993

Signature & Seal of Professional Surveyor: *George Landrum*

Certificate No. 648

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

LOCATION STAKING CHECK SHEET
SOUTH AREA

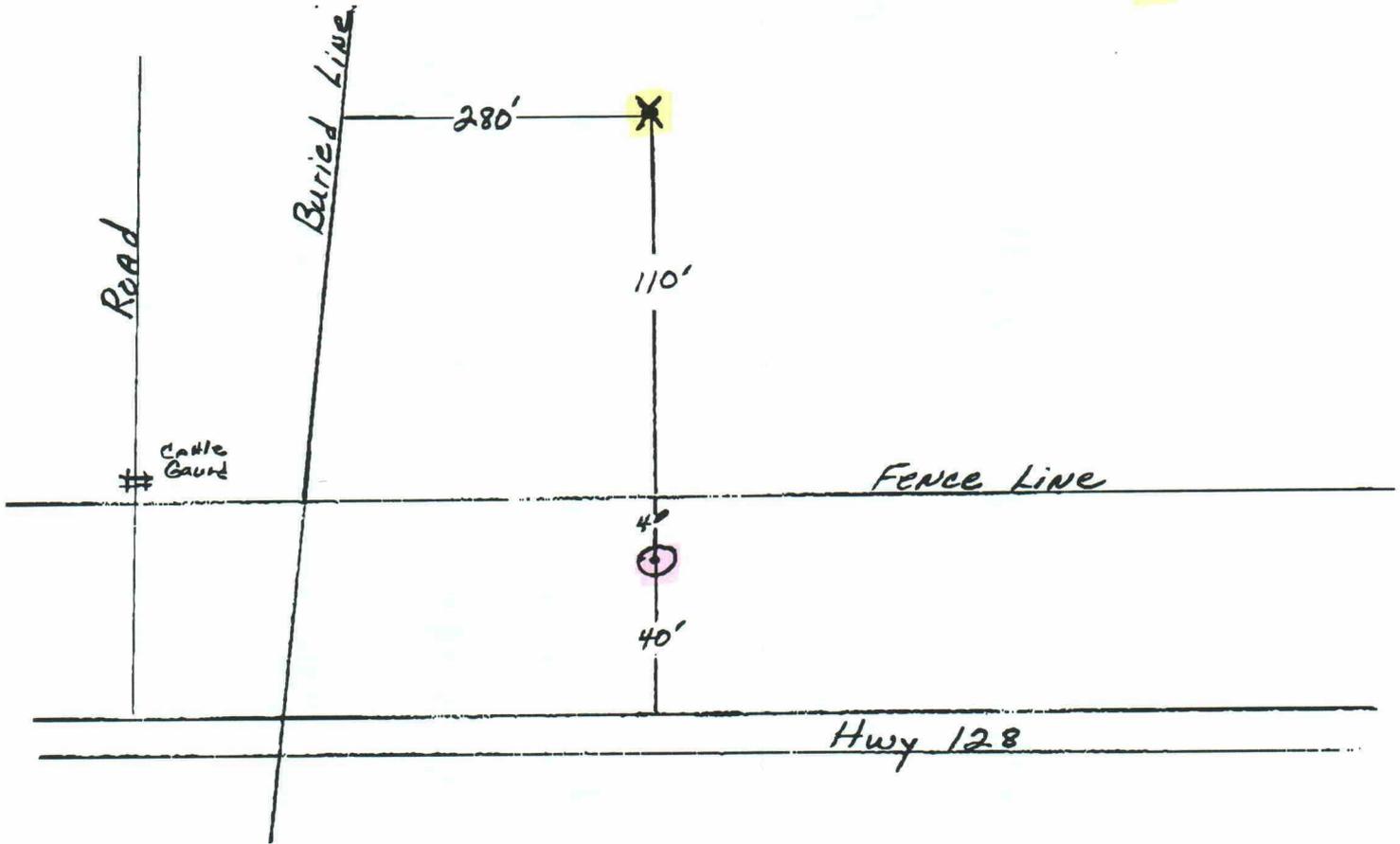
1. AFB # 919942
2. Location name S.T.U.G. - #184 FEE
3. Location staked on original _____; alternate X
4. New legals if on alternate 160 FSL & 1450 FEL
5. Surface concerns:
 - a. Overhead power lines : primary _____; secondary _____
 - b. Buried lines: power _____, flow _____, gas _____, or gas inj. _____
 - c. Surface lines: flow _____, gas _____, or gas inj. _____
 - d. Natural occurring obstacles Highway
6. Can a, b, or c be economically moved yes _____, or no X
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X
 - b. For well at least 8000 ft., (180 x 300) _____
 - c. For well deep well 500 ft. x 500 ft., (includes pit area). _____
8. Approximate pit size:
 - a. 80 ft. x 100 ft. _____
 - b. 100 ft. x 120 ft. X
 - c. 120 ft. x 150 ft. _____
 - d. 200 ft. x 200 ft. _____
9. V-door direction : North _____, East _____, South X, or West _____
10. Estimated length of new road to be constructed 500'
11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____
13. If farm land is it irrigated _____, or dry land _____
14. Describe any other concerns See Original location fell 40' North of Hwy 128 & 4' South of same. Proposed move 110' North. New Road will cross buried pipeline with no markers.

O.K AS PER
DICK PRENTICE
9/10/93

General Purpose Worksheet

Subject	<i>S. J. U. G - #184</i>	Page No.	Of
File		By	Date

⊙ original
✱ alternate



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

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

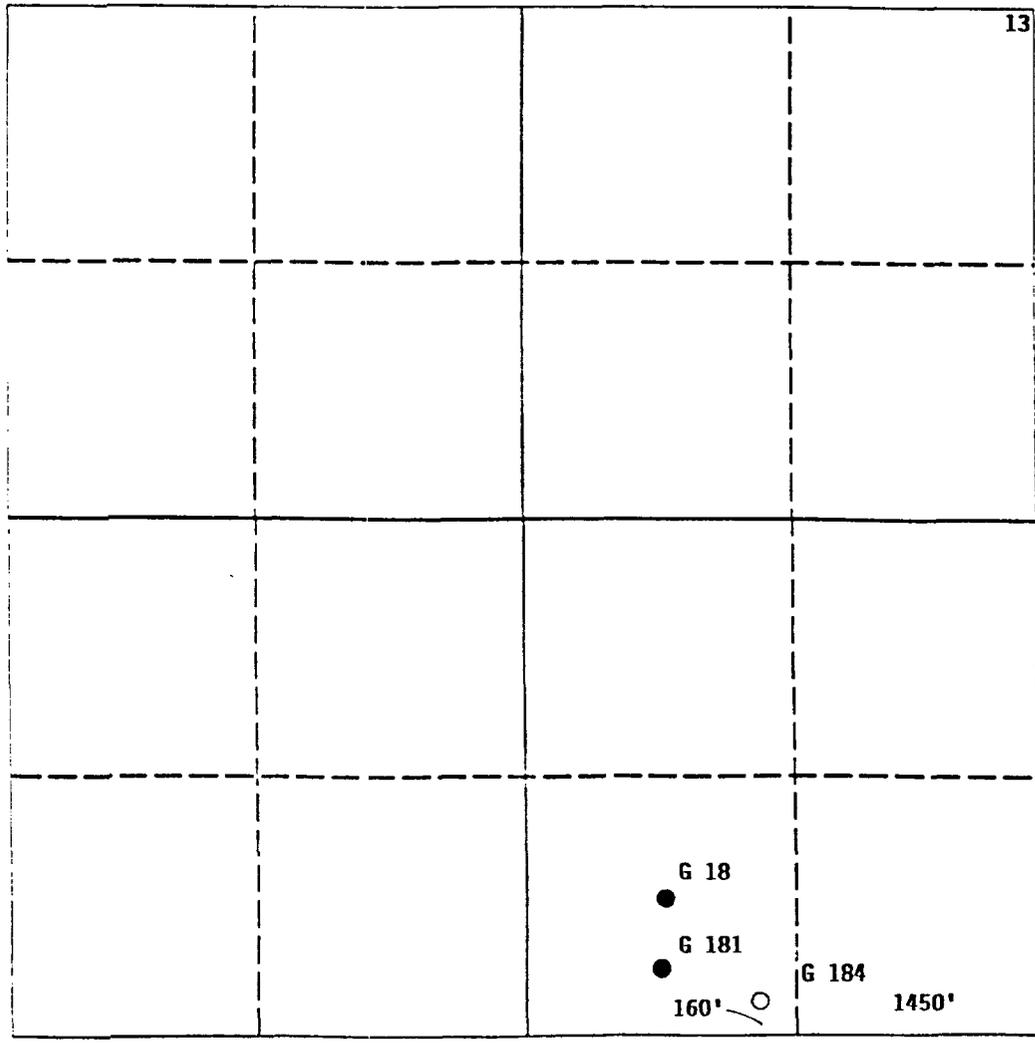
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "G"		Well No. 184	
Unit Letter 0	Section 13	Township 25 S	Range 37 E	County NMPM	Lea
Actual Footage Location of Well:					
160 feet from the South line and		1450 feet from the East line			
Ground level Elev. 3074'	Producing Formation Blinebry-Tubb-Drinkard		Pool Justis	Dedicated Acreage: 40 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, uniuization, force-pooling, etc.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>No allowable will be assigned to the well until all interests have been consolidated (by communitization, uniuization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>					



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
Agent

Company
ARCO Oil & Gas Company

Date
9-22-93

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
Sept. 11, 1993

Signature & Seal of Professional Surveyor
[Signature]

Certificate No.
648

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

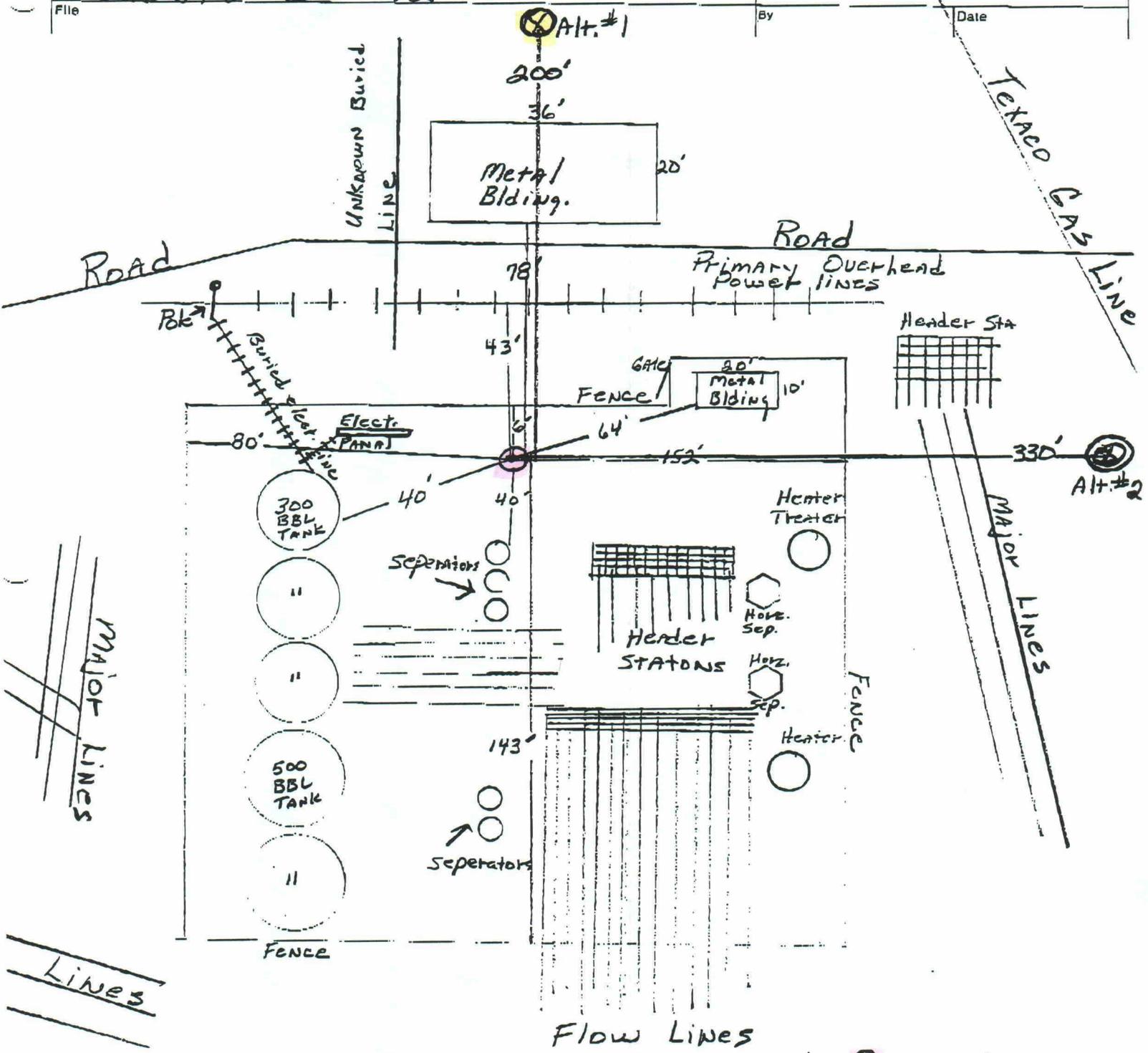
LOCATION STAKING CHECK SHEET SOUTH AREA

1. AFE # 919951
2. Location name S.J.U. G-#192 B.M.
3. Location staked on original _____; alternate X (B)
4. New legals if on alternate ± 1100' FNL + 1350' FEL Sec 24
5. Surface concerns:
 - a. Overhead power lines : primary X; secondary _____
 - b. Buried lines: power X, flow X, gas X, or gas inj. X
 - c. Surface lines: flow X, gas X, or gas inj. _____
 - d. Natural occurring obstacles _____
6. Can a, b, or c be economically moved yes _____, or no X
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X
 - b. For well at least 8000 ft., (180 x 300) _____
 - c. For well deep well 500 ft. x 500 ft., (includes pit area). _____

*OK to move
to alternate #1
R. Proutie
09-13-93*
8. Approximate pit size:
 - a. 80 ft. x 100 ft. _____
 - b. 100 ft. x 120 ft. X
 - c. 120 ft. x 150 ft. _____
 - d. 200 ft. x 200 ft. _____
9. V-door direction : North _____, East _____, South X, or West _____
10. Estimated length of new road to be constructed _____
11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____
13. If farm land is it irrigated _____, or dry land _____
14. Describe any other concerns ORIGINAL loc. is in TEXACO Central BATH

General Purpose Worksheet

Subject: <u>S.T.U G-#192</u>	Page No.:
File:	By: _____ Date: _____



- ⊙ Original
 - ⊕ Alternate #1
 - ⊗ Alternate #2
- 200' N
330' E

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

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-102
 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

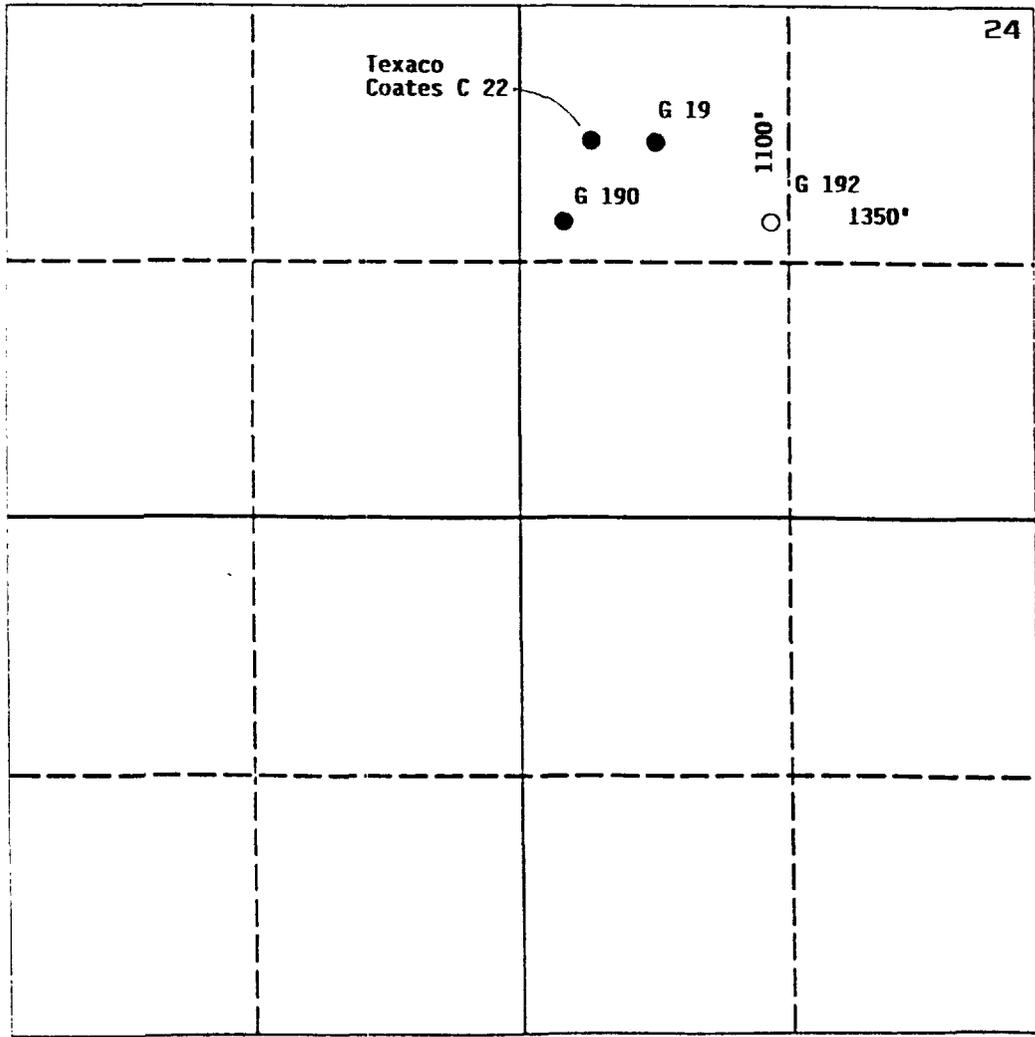
DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "G"		Well No. 192	
Unit Letter B	Section 24	Township 25 S	Range 37 E	County NMPM Lea	
Actual Footage Location of Well: 1100 feet from the North line and 1350 feet from the East line					
Ground level Elev. 3072'	Producing Formation Blinebry-Tubb-Drinkard		Pool Justis	Dedicated Acreage: 40 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</p> <p>3. 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.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>					



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
 Agent

Company
 ARCO Oil & Gas Company

Date
 9-22-93

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
 Sept. 14, 1993

Signature & Seal of Professional Surveyor
Ken W Gosnell

Certificate No.
 648

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

LOCATION STAKING CHECK SHEET SOUTH AREA

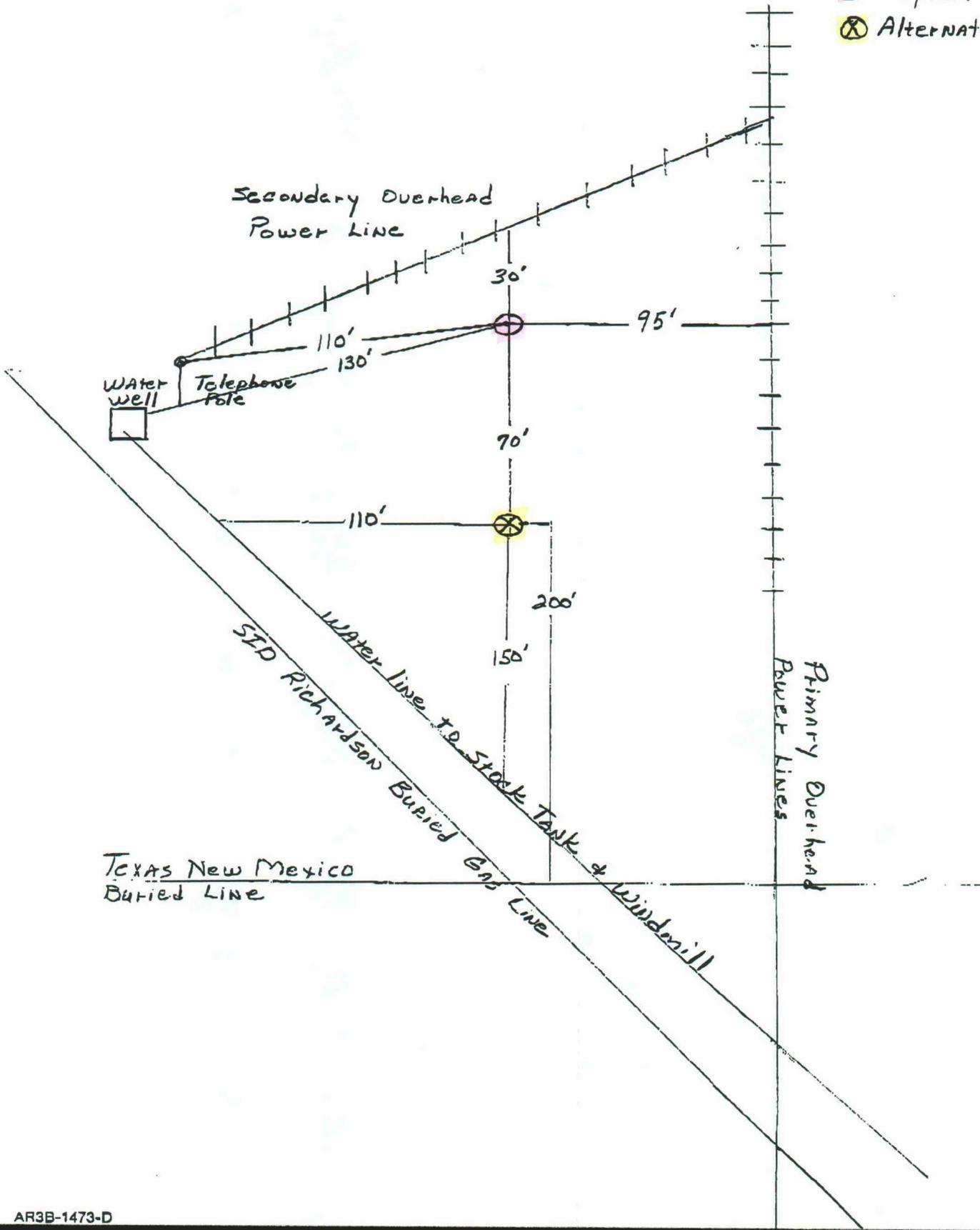
1. AFE # 977101
2. Location name S. J. U. H- #200 BLM
3. Location staked on original _____; alternate X
4. New legals if on alternate 2670 FNL 100 FEL
5. Surface concerns:
 - a. Overhead power lines : primary _____; secondary X
 - b. Buried lines: power _____, flow _____, gas _____, or gas inj. _____
 - c. Surface lines: flow _____, gas _____, or gas inj. _____
 - d. Natural occuring obstacles _____
6. Can a, b, or c be economically moved yes _____, or no X
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X
 - b. For well at least 8000 ft., (180 x 300) _____
 - c. For well deep well 500 ft. x 500 ft., (includes pit area). _____
8. Approximate pit size:
 - a. 80 ft. x 100 ft. _____
 - b. 100 ft. x 120 ft. X
 - c. 120 ft. x 150 ft. _____
 - d. 200 ft. x 200 ft. _____
9. V-door direction : North _____, East X, South _____, or West _____
10. Estimated length of new road to be constructed 200'
11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____
13. If farm land is it irrigated _____, or dry land _____
14. Describe any other concerns _____

OK PER
DICK PRENTICE
9/13/93

General Purpose Worksheet

Subject	<i>S. J. U. H - #200</i>	Page No.	Of
File		By	Date

 ORIGINAL
 ALTERNATE



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

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

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

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

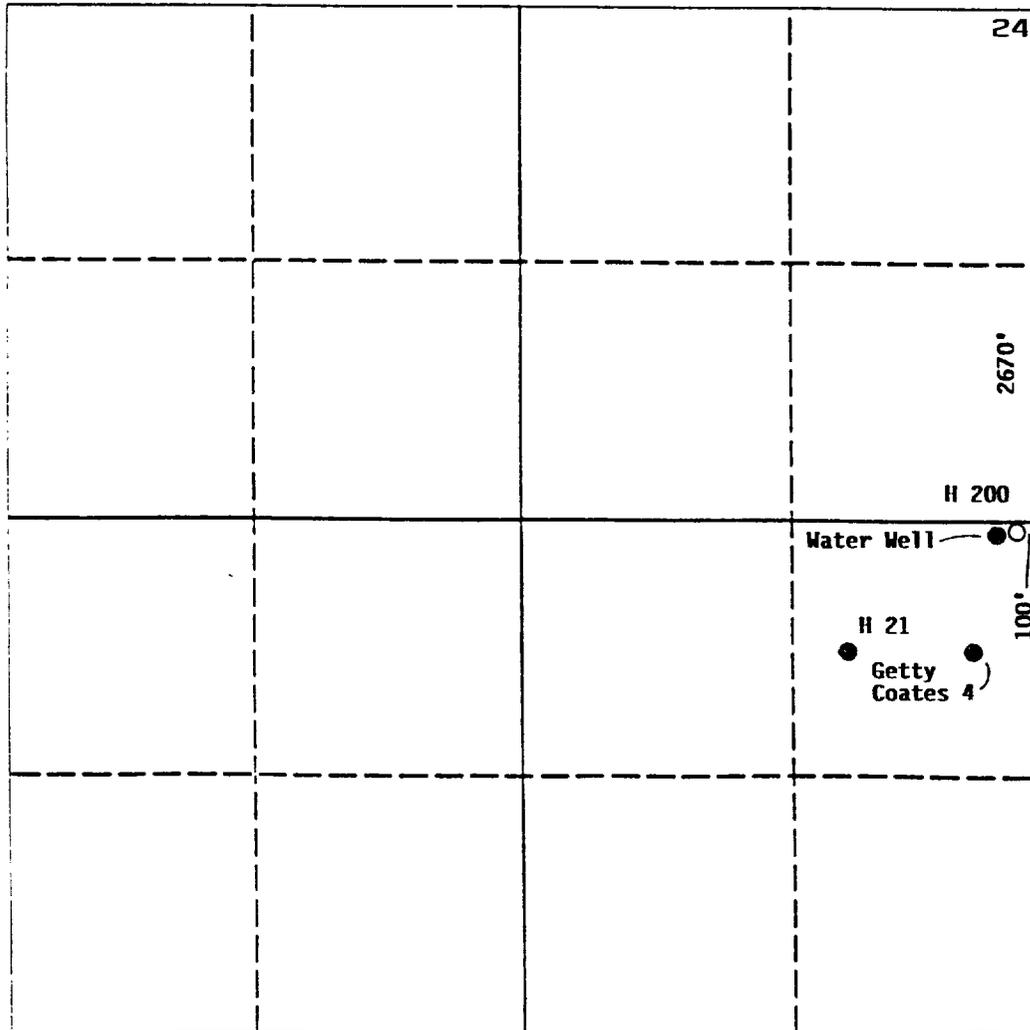
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "H"		Well No. 200
Unit Letter I	Section 24	Township 25 S	Range 37 E	County Lea
Actual Footage Location of Well: 2670 feet from the North line and 100 feet from the East line				
Ground level Elev. 3064'	Producing Formation Blinebry-Tubb-Drinkard	Pool Justis	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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
Agent

Company
ARCO Oil & Gas Company

Date
9-22-93

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
Sept. 14, 1993

Signature & Seal of Professional Surveyor

Geoff Handley
Certificate No.
648

LOCATION STAKING CHECK SHEET SOUTH AREA

1. AFE # 977110
2. Location name S.J.U. H-#210 BHM
3. Location staked on original _____; alternate X
4. New legals if on alternate 1370 FSL 330 FEL
5. Surface concerns:
 - a. Overhead power lines : primary -; secondary -
 - b. Buried lines: power -, flow -, gas X, or gas inj. -
 - c. Surface lines: flow -, gas -, or gas inj. -
 - d. Natural occurring obstacles -
6. Can a, b, or c be economically moved yes _____, or no X
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X
 - b. For well at least 8000 ft., (180 x 300) _____
 - c. For well deep well 500 ft. x 500 ft., (includes pit area). _____
8. Approximate pit size:
 - a. 80 ft. x 100 ft. _____
 - b. 100 ft. x 120 ft. X
 - c. 120 ft. x 150 ft. _____
 - d. 200 ft. x 200 ft. _____
9. V-door direction : North X, East _____, South _____, or West _____
10. Estimated length of new road to be constructed NONE
11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____
13. If farm land is it irrigated _____, or dry land _____
14. Describe any other concerns Sid Richardson Gas Line 70' N.

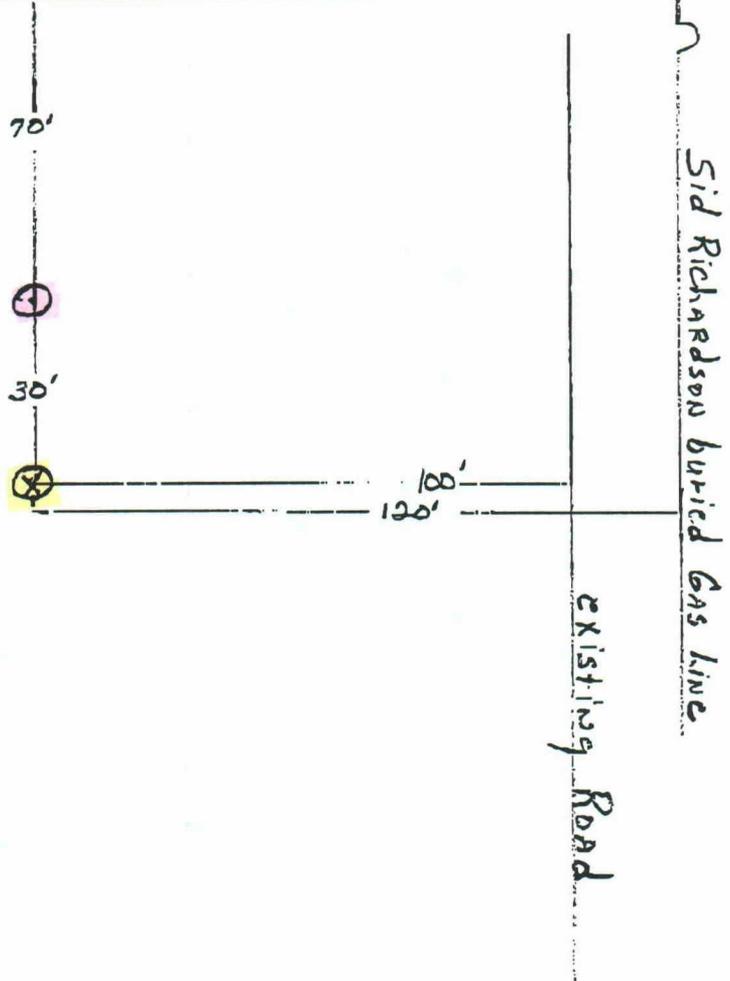
*OK to
move
R. Proutie
9-13-93*

General Purpose Worksheet

Subject	<i>S. J. U. H-#210</i>	Page No.	01
File		By	Date

ORIGINAL
 ALTERNATE

Sid Richardson buried GAS LINE



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

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

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

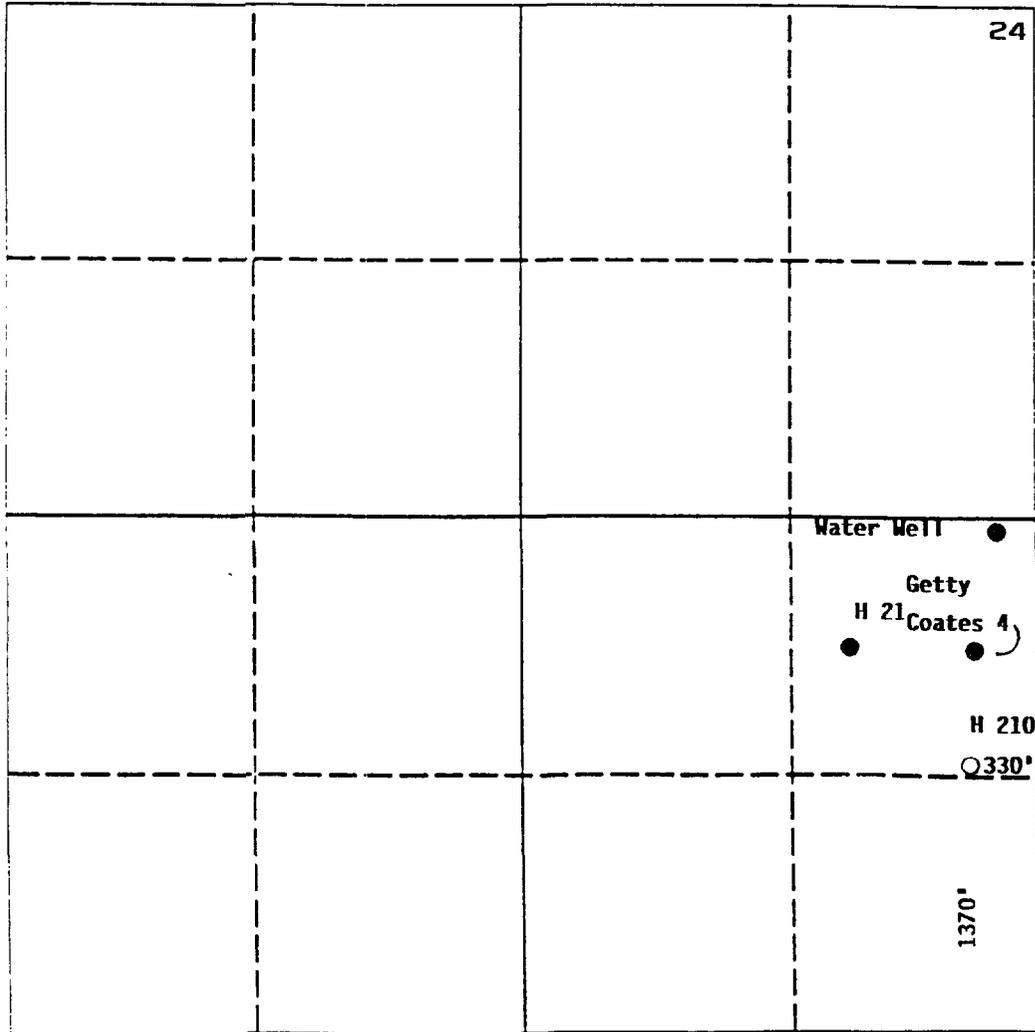
WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit 'H'		Well No. 210
Unit Letter I	Section 24	Township 25 S	Range 37 E	County NMPM Lea	
Actual Footage Location of Well: 1370 feet from the South line and 330 feet from the East line					
Ground level Elev. 3054'	Producing Formation Blinebry-Tubb-Drinkard		Pool Justis	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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.)

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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
Agent

Company
ARCO Oil & Gas Company

Date
9-22-93

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
Sept. 14, 1993

Signature & Seal of Professional Surveyor

George Sanders

Certificate No.
648



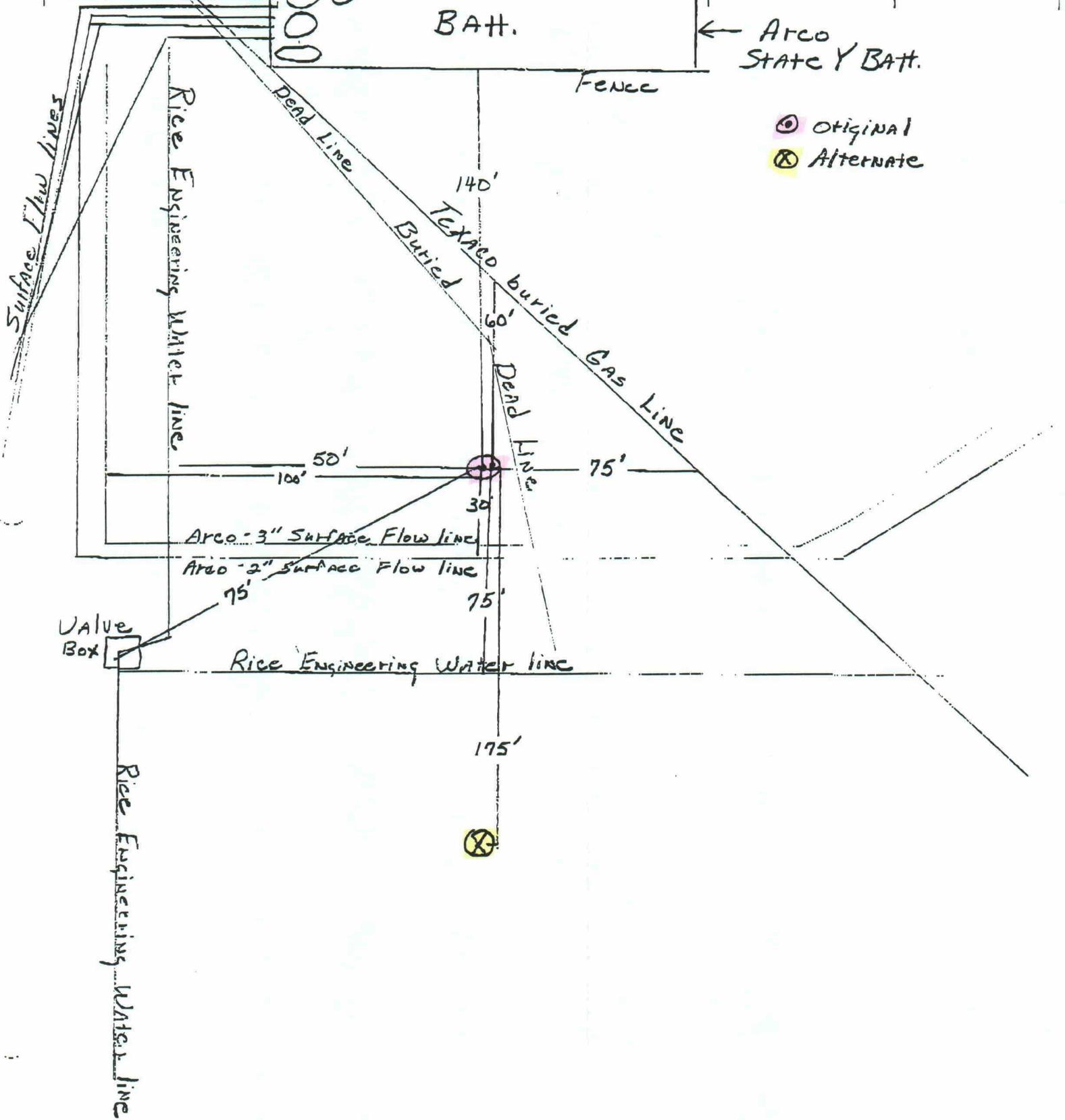
LOCATION STAKING CHECK SHEET SOUTH AREA

1. AFE # 977144
2. Location name S.J.W H- #232 STATE STATE
3. Location staked on original _____; alternate X.
4. New legals if on alternate 1275 FNL 150 FEL
5. Surface concerns:
 - a. Overhead power lines : primary -; secondary -.
 - b. Buried lines: power _____, flow _____, gas X, or gas inj. _____.
 - c. Surface lines: flow X, gas _____, or gas inj. _____.
 - d. Natural occuring obstacles -.
6. Can a, b, or c be economically moved yes _____, or no X.
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X.
 - b. For well at least 8000 ft., (180 x 300) _____.
 - c. For well deep well 500 ft. x 500 ft., (includes pit area). _____.
8. Approximate pit size:
 - a. 80 ft. x 100 ft. _____.
 - b. 100 ft. x 120 ft. X.
 - c. 120 ft. x 150 ft. _____.
 - d. 200 ft. x 200 ft. _____.
9. V-door direction : North _____, East _____, South _____, or West X.
10. Estimated length of new road to be constructed 400'
11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____.
13. If farm land is it irrigated _____, or dry land _____.
14. Describe any other concerns Alternate 175' South

Handwritten notes:
 2 + c
 m-d
 R. Prudente
 9-13-93

General Purpose Worksheet

Subject	L. J. U. H - #232	Page No.	of
File	Flow lines to Batt.	By	Date



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

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

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

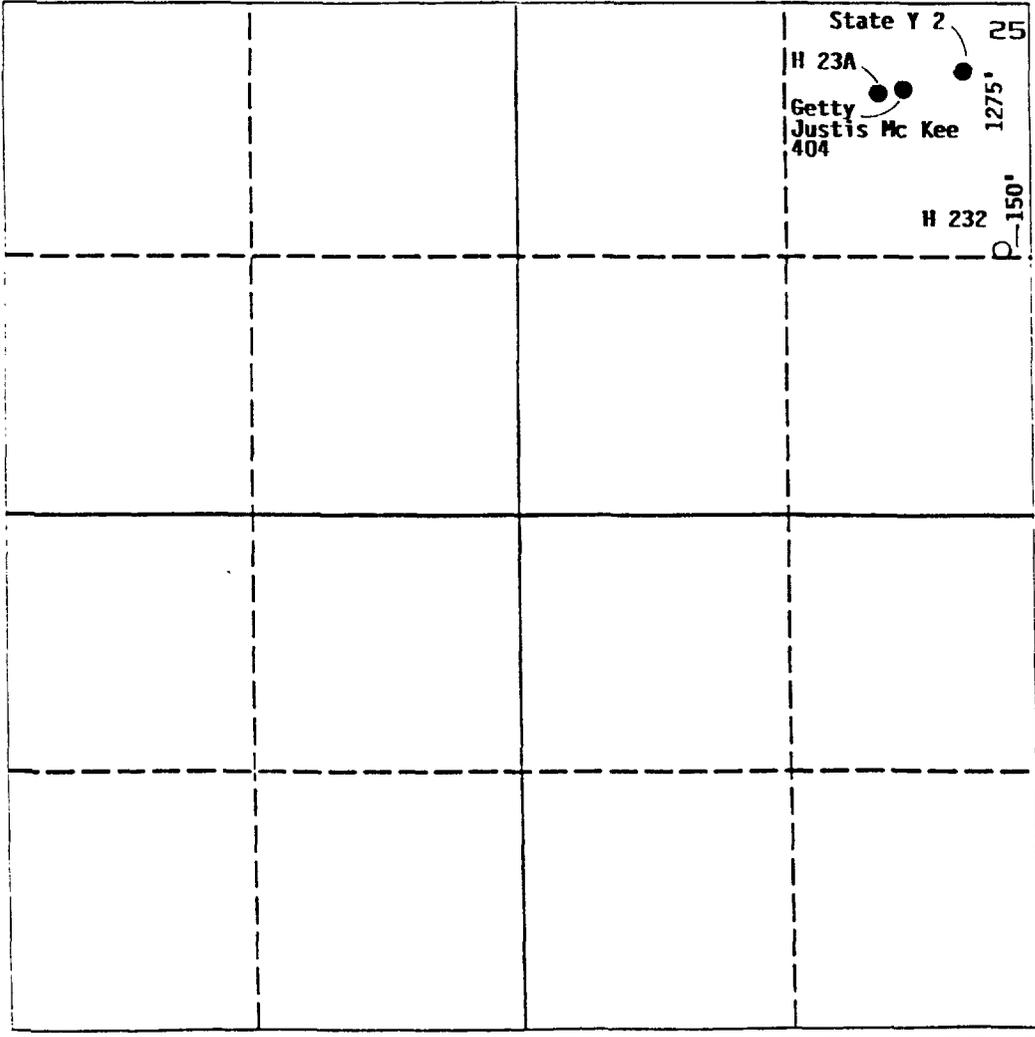
DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT
 All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "H"		Well No. 232
Unit Letter A	Section 25	Township 25 S	Range 37 E	County NMPM Lea
Actual Footage Location of Well: 1275 feet from the North line and 150 feet from the East line				
Ground level Elev. 3067	Producing Formation Blinebry-Tubb-Drinkard		Pool Justis	Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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 _____
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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
 Agent

Company
 ARCO Oil & Gas Company

Date
 9-22-93

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
Sept. 14 1993

Signature & Seal of Professional Surveyor
Greg Saunders

Certificate No.
648

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

LOCATION STAKING CHECK SHEET SOUTH AREA

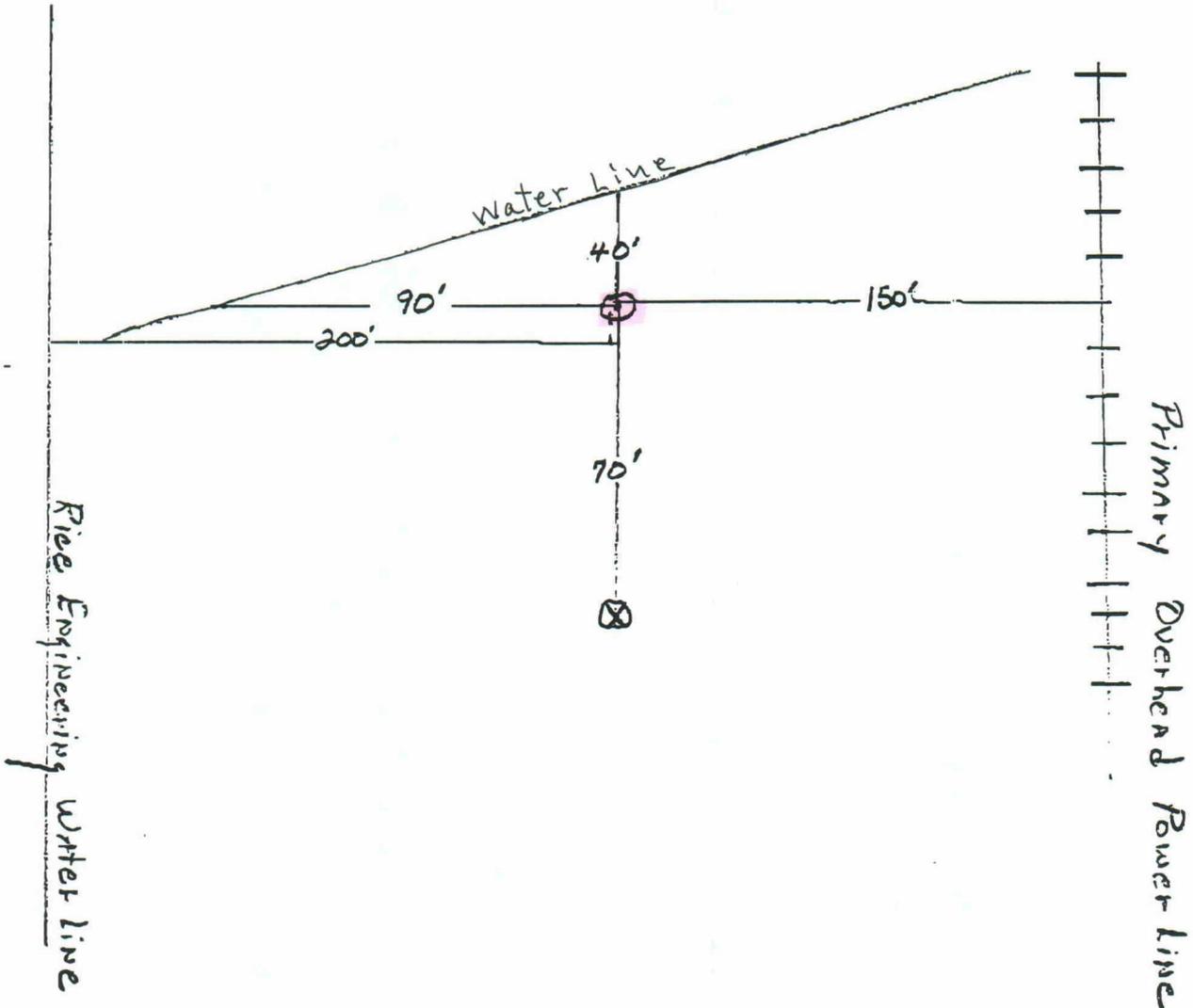
1. AFE # 977161
2. Location name S.J.U. H- #242 STATE _____
3. Location staked on original _____; alternate X
4. New legals if on alternate 2380 FNL 150 FEL
5. Surface concerns:
 - a. Overhead power lines : primary _____; secondary _____
 - b. Buried lines: power _____, flow _____, gas X, or gas inj. _____
 - c. Surface lines: flow _____, gas _____, or gas inj. _____
 - d. Natural occuring obstacles _____
6. Can a, b, or c be economically moved yes _____, or no X
7. Location size (approximate):
 - a. For well less than 8000 ft., (160 x 250) X
 - b. For well at least 8000 ft., (180 x 300) _____
 - c. For well deep well 500 ft. x 500 ft., (includes pit area). _____

all to move
R. Pentec
9-13-93
8. Approximate pit size:
 - a. 80 ft. x 100 ft. _____
 - b. 100 ft. x 120 ft. X
 - c. 120 ft. x 150 ft. _____
 - d. 200 ft. x 200 ft. _____
9. V-door direction : North _____, East _____, South _____, or West X
10. Estimated length of new road to be constructed 600'
11. Approximate distance _____ ft. and depth _____ ft. of nearest FRESH WATER well.
12. Normal land use: grazing X, farming _____, or residential _____
13. If farm land is it irrigated _____, or dry land _____
14. Describe any other concerns Texas New Mexico Gas Line 40' N. of original

General Purpose Worksheet

Subject	<i>S.J.U H-#242</i>	Page No.	01
File		By	Date

⊙ Original
 ⊗ Alternate



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

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

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

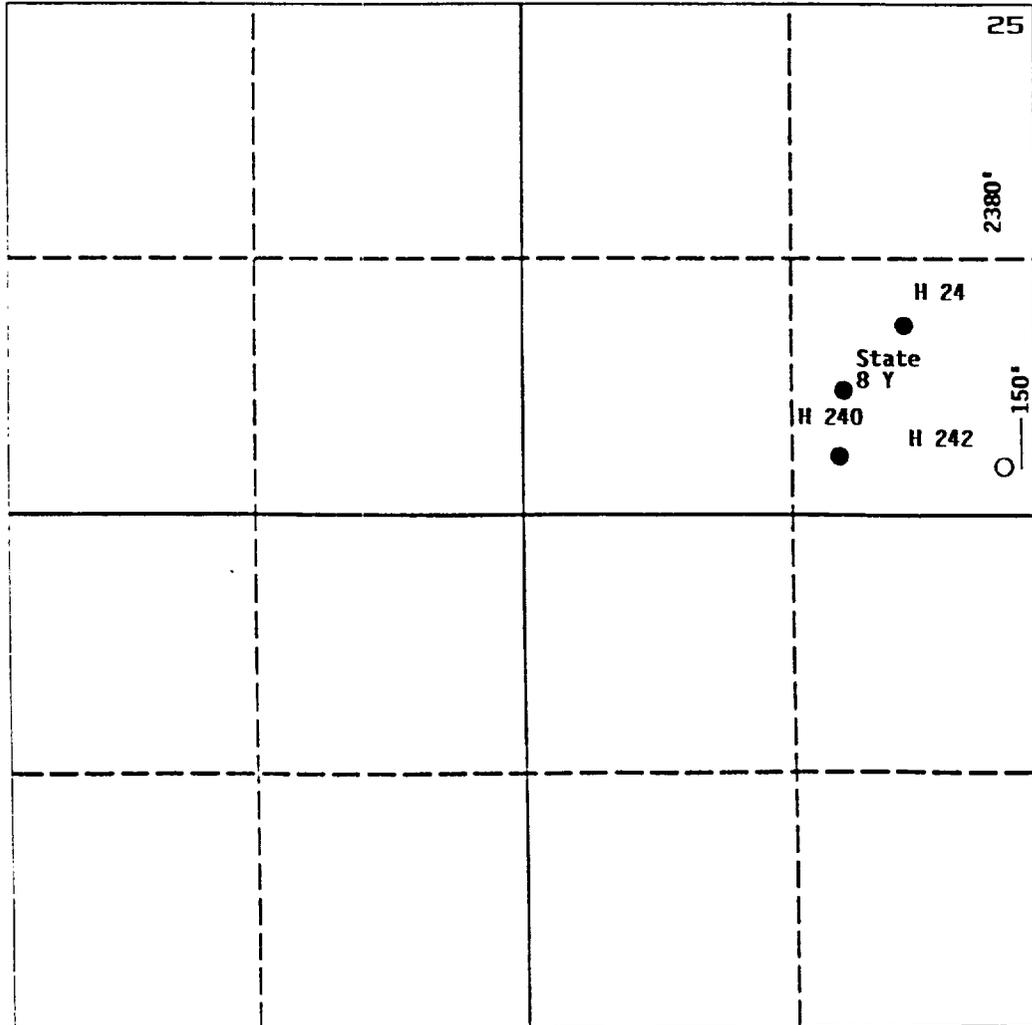
WELL LOCATION AND ACREAGE DEDICATION PLAT
 All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "H"		Well No. 242
Unit Letter H	Section 25	Township 25 S	Range 37 E	County NMPM	Lea
Actual Footage Location of Well: 2380 feet from the North line and 150 feet from the East line					
Ground level Elev. 3057'	Producing Formation Blinebry-Tubb-Drinkard		Pool Justis	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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
 Agent
 Company
 ARCO Oil & Gas Company
 Date
 September 22, 1993

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
 Sept. 14, 1993
 Signature & Seal of Professional Surveyor
Sam Saunders
 Certificate No.
 648



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

June 25, 1993

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

ARCO Oil & Gas Company
P.O. Box 1610
Midland, TX 79702

Attention: Ken W. Gosnell, Regulatory Coordinator

*Administrative Order DD-83(NSBHL)
and the Administrative Amendment of
Division Order No. R-9745*

Dear Mr. Gosnell:

Under the provisions of General Rule 111 (c), (d) and (e), ARCO Oil & Gas Company ("ARCO") made application to the New Mexico Oil Conservation Division on June 17, 1993, for authorization to directionally drill its proposed South Justis Unit Tract "G" Well No. 128, Justis Blinebry-Tubb-Drinkard Pool, South Justis Unit, Lea County, New Mexico. Said well is to be utilized as a water injection well in said unit and was previously approved by Division Order No. R-9747, issued in Case No. 10554 and dated October 23, 1992, to be drilled at an unorthodox surface location 50 feet from the South line and 2600 feet from the East line (Unit O) of Section 13, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico.

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

The Division Director Finds That:

- (1) The application has been duly filed under the provisions of Rule 111(d) and (e) of the Division General Rules and Regulations;

- (2) At this time ARCO finds it necessary to locate this well at a different surface location than originally approved by said Order No. R-9747 as to avoid the right-of-way for New Mexico State Highway No. 128, that it's personnel evidently did not know existed at the time said Case No. 10554 was brought to hearing before the Division, and further complicated by a surface depression that evidently has some archeological value.
- (3) The bottom-hole location is to remain the same as originally approved in said Order No. R-9747 for the purpose of completing an efficient injection/production pattern within said waterflood project area.
- (4) The applicant has presented satisfactory evidence that all requirements prescribed in General Rule 111 have either been or will be met;
- (5) Notification is not necessary in this instance since the well is within the applicant's South Justis Unit Area and there are no immediate offset operators other than ARCO; and,
- (6) Further, since there are no offset operators, approval of this application should not threaten correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, ARCO Oil & Gas Company, is hereby authorized to directionally drill its South Justis Unit Tract "G" Well No. 128, the surface location of which shall be 200 feet from the South line and 2000 feet from the West line (Unit N) of Section 13, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico, by kicking off from the vertical and drilling in such a manner as to bottom in the Justis Blinebry-Tubb-Drinkard Pool within 50 feet of a point 50 feet from the South line and 2600 feet from the East line (Unit O) of said Section 13, being an unorthodox bottom-hole injection well location.

PROVIDED HOWEVER THAT prior to commencing directional drilling operations into said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

PROVIDED HOWEVER THAT during or upon completion of directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

(2) The applicant shall notify the supervisor of the Hobbs district office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Hobbs offices of the Division upon completion.

(3) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

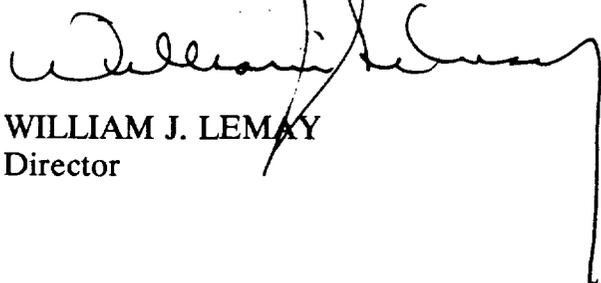
(4) Further, Exhibit "A" of said Division Order No. R-9747 shall be amended to reflect the above-described well location changes.

(4) All other provisions of Order No. R-9747 shall remain in full force and effect until further notice.

(5) 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

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
Oil Conservation Division - Michael E. Stogner
US Bureau of Land Management - Carlsbad
File: Case No. 10554



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

July 14, 1993

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

ARCO Oil & Gas Company
P.O. Box 1610
Midland, TX 79702

Attention: Ken W. Gosnell, Regulatory Coordinator

*Corrected Administrative Order DD-83(NSBHL)
and the Administrative Amendment of
Division Order No. R-9745*

Dear Mr. Gosnell:

Under the provisions of General Rule 111 (c), (d) and (e), ARCO Oil & Gas Company ("ARCO") made application to the New Mexico Oil Conservation Division on June 17, 1993, for authorization to directionally drill its proposed South Justis Unit Tract "G" Well No. 182, Justis Blinebry-Tubb-Drinkard Pool, South Justis Unit, Lea County, New Mexico. Said well is to be utilized as a water injection well in said unit and was previously approved by Division Order No. R-9747, issued in Case No. 10554 and dated October 23, 1992, to be drilled at an unorthodox surface location 50 feet from the South line and 2600 feet from the East line (Unit O) of Section 13, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico.

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

The Division Director Finds That:

- (1) The application has been duly filed under the provisions of Rule 111(d) and (e) of the Division General Rules and Regulations;

- (2) At this time ARCO finds it necessary to locate this well at a different surface location than originally approved by said Order No. R-9747 as to avoid the right-of-way for New Mexico State Highway No. 182, that it's personnel evidently did not know existed at the time said Case No. 10554 was brought to hearing before the Division, and further complicated by a surface depression that evidently has some archeological value.
- (3) The bottom-hole location is to remain the same as originally approved in said Order No. R-9747 for the purpose of completing an efficient injection/production pattern within said waterflood project area.
- (4) The applicant has presented satisfactory evidence that all requirements prescribed in General Rule 111 have either been or will be met;
- (5) Notification is not necessary in this instance since the well is within the applicant's South Justis Unit Area and there are no immediate offset operators other than ARCO; and,
- (6) Further, since there are no offset operators, approval of this application should not threaten correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, ARCO Oil & Gas Company, is hereby authorized to directionally drill its South Justis Unit Tract "G" Well No. 182, the surface location of which shall be 200 feet from the South line and 2000 feet from the West line (Unit N) of Section 13, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico, by kicking off from the vertical and drilling in such a manner as to bottom in the Justis Blinebry-Tubb-Drinkard Pool within 50 feet of a point 50 feet from the South line and 2600 feet from the East line (Unit O) of said Section 13, being an unorthodox bottom-hole injection well location.

PROVIDED HOWEVER THAT prior to commencing directional drilling operations into said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

PROVIDED HOWEVER THAT during or upon completion of directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

Corrected Administrative Order DD-83(NSBHL)

ARCO Oil and Gas Company

July 14, 1993

Page No. 3

(2) The applicant shall notify the supervisor of the Hobbs district office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Hobbs offices of the Division upon completion.

(3) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

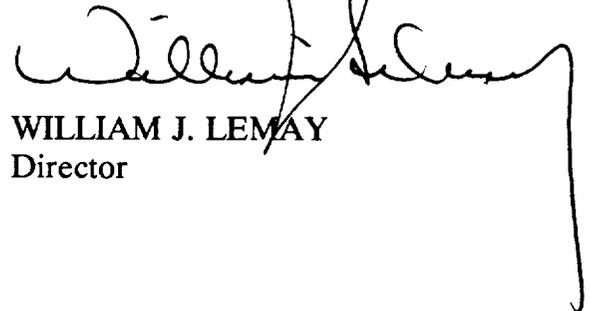
(4) Further, Exhibit "A" of said Division Order No. R-9747 shall be amended to reflect the above-described well location changes.

(4) All other provisions of Order No. R-9747 shall remain in full force and effect until further notice.

(5) 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

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
Oil Conservation Division - Michael E. Stogner
US Bureau of Land Management - Carlsbad
File: Case No. 10554



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



BRUCE KING
 GOVERNOR

ANITA LOCKWOOD
 CABINET SECRETARY

June 17, 1993

POST OFFICE BOX 2088
 STATE LAND OFFICE BUILDING
 SANTA FE, NEW MEXICO 87504
 (505) 827-5800

ARCO Oil and Gas Company
 P.O. Box 1610
 Midland, TX 79702

Attention: Ken W. Gosnell

RE: Administrative Amendment to Division Order R-9747.

Dear Mr. Gosnell:

Reference is made to your letter dated May 21, 1993 requesting exceptions, pursuant to Division General Rule 104.F(1), for seven unorthodox well locations, all of which were approved by Division Order No. R-9747, issued in Case No. 10554 and dated October 23, 1992. Said wells to be 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 Township 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 seven particular wells as to avoid fences, a valve box, the Texas-New Mexico and Sid Richardson pipelines, a caliche pit and waterlines that evidently ARCO's personnel were not aware existed at the time said Case No. 10554 was brought before the Division.

By the authority granted me under the provisions of General Rule 104.F(1) 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:

<i>Lease Name and Well No.</i>	<i>Section-Township-Range</i>	<i>Corrected Footage Location</i>	<i>Unit</i>
SJU Tract "E" No. 160	13-25S-37E	1600' FNL - 100' FWL	E
SJU Tract "E" No. 162	13-25S-37E	1750' FNL - 1150' FWL	E

ARCO Oil and Gas Company

Attention: Ken W. Gosnell

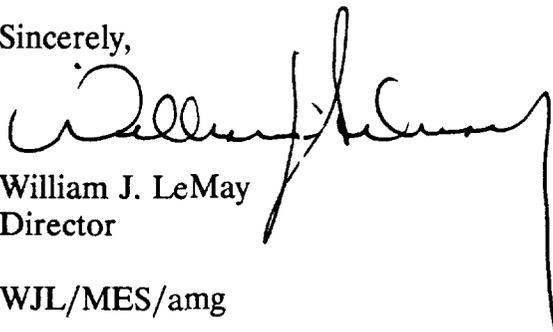
June 17, 1993

Page 2

<i>Lease Name and Well No.</i>	<i>Section-Township-Range</i>	<i>Corrected Footage Location</i>	<i>Unit</i>
SJU Tract "E" No. 250	25-25S-37E	1590' FSL - 300' FWL	L
SJU Tract "F" No. 170	13-25S-37E	2250' FSL - 1365' FWL	K
SJU Tract "F" No. 180	13-25S-37E	1150' FSL - 1580' FWL	N
SJU Tract "G" No. 240	25-25S-37E	2150' FNL - 2450' FEL	G
SJU Tract "G" No. 260	25-25S-37E	180' FSL - 2350' FEL	O

All other provisions of said Order No. R-9747 shall remain in full force and effect until further notice.

Sincerely,



William J. LeMay
Director

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach
File: Case No. 10554



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



RECEIVED
OIL CONSERVATION DIVISION
JUN 7 1993 AM 9 02

June 4, 1993

BRUCE KING
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

ANITA LOCKWOOD
CABINET SECRETARY

ARCO OIL AND GAS COMPANY
P. O. BOX 1610
MIDLAND, TEXAS 79702

Attn: Ken W. Gosnell

Re: Amendments For Injection Well Locations
For The South Justis Unit Waterflood
Project Area as Authorized By Division
Order No. R-9747.

Dear Mr. Gosnell:

We have received your application dated May 21, 1993 for seven more injection well location changes in the South Justis Unit Waterflood Project Area. However, no explanation was provided as to the reason(s) that necessitated these moves. In order to consider your request, please provide a detailed plat of the subject areas showing the previously approved location, proposed move and any and all obstructions to be avoided.

A similar plat and explanation will be required on all requests of this nature in the future.

6-14-93

As per your request, see
Attached:

Plat with

1. Original location
2. Proposed location
3. Obstructions

Ken Gosnell
915 688-5622

Sincerely,

Michael E. Stogner
Chief Hearing Officer/Engineer

ARCO Oil and Gas Company

ARCO
Oil and Gas Company
10000 North Central
Expressway
P.O. Box 2100
Houston, Texas 77210
Telephone: (713) 952-1000
Telex: 980000 ARCO
FAX: (713) 952-1000

May 21, 1993

State of New Mexico
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504-2088

Attn: Michael E. Stogner

Re: Relocation of Unorthodox Locations

Dear Sir:

As provided by Order R-9747, page 6, paragraph 10, ARCO is requesting administrative approval of the following relocated wells.

<u>Lease Name & Well No.</u>	<u>Corrected Footage</u>	<u>S-T-R</u>	<u>Unit</u>
SJU Tract E No. 160	1600 FNL & 100 FWL	13-25S-37E	E
SJU Tract E No. 162	1750 FNL & 1150 FWL	13-25S-37E	E
SJU Tract E No. 250	1590 FSL & 300 FWL	25-25S-37E	L
SJU Tract F No. 170	2250 FSL & 1365 FWL	13-25S-37E	K
SJU Tract F No. 180	1150 FSL & 1580 FWL	13-25S-37E	N
SJU Tract G No. 240	2150 FNL & 2450 FEL	25-25S-37E	G
SJU Tract G No. 260	180 FSL & 2350 FEL	25-25S-37E	O

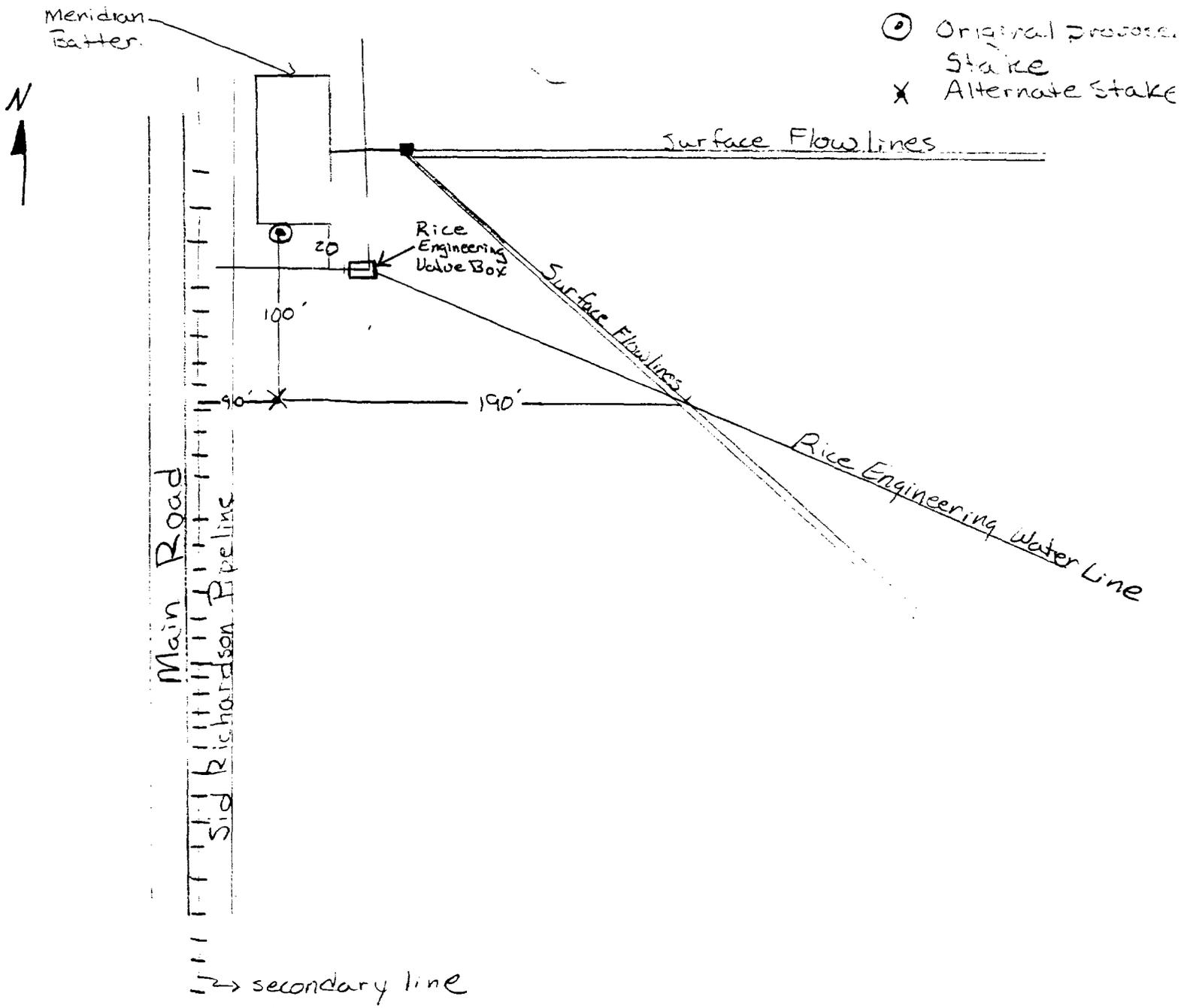
Sincerely,

Ken W. Gosnell
Ken W. Gosnell
Regulatory Coordinator
915 688-5672

General Purpose Worksheet



Subject: SIU E-160 Page No: 01
 File: _____ By: _____ Date: _____



E-160

Original proposed location (1500 FNL; 100' FWL) fell on the south fence line of an abandoned Meridian tank battery. This location was further complicated by the close proximity to the Rice Engineering valve box. Due to these obstructions, the well was moved 100' south to the new legal: 1600' FNL $\frac{1}{2}$ 100' FWL.

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

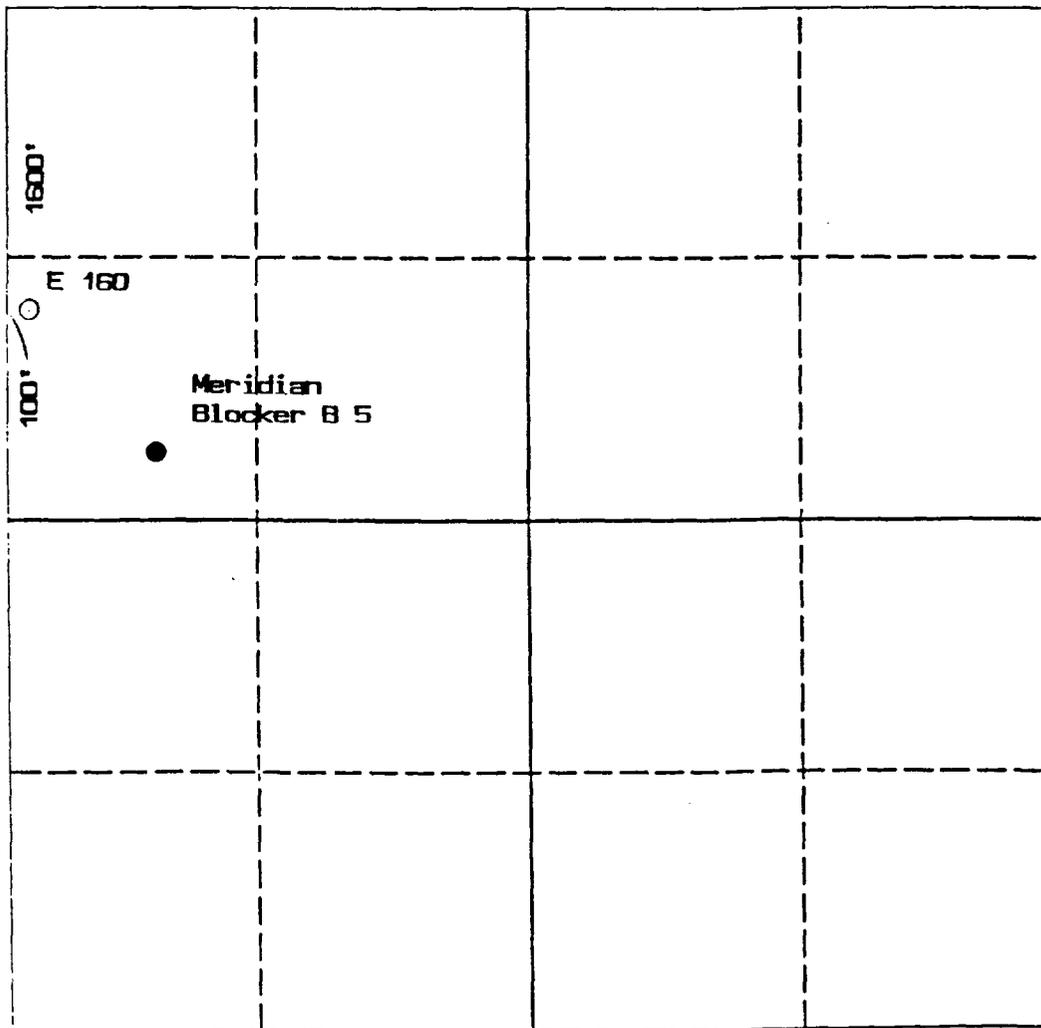
All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "E"		Well No. 160
Unit Letter E	Section 13	Township 25 S	Range 37 E	County NMPM Lea	

Actual Footage Location of Well:
1600 feet from the **North** line and **100** feet from the **West** line

Ground level Elev. 3101'	Producing Formation Blinebry-Tubb-Drinkard	Pool Justis	Dedicated Acreage: 40 Acres
------------------------------------	--	-----------------------	---------------------------------------

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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.

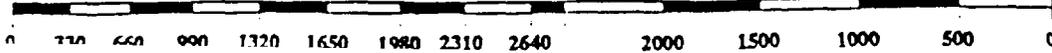
Signature <i>Ken W. Gosnell</i>
Printed Name Ken W. Gosnell
Position Reg. Coord.
Company ARCO Oil & Gas
Date 5-19-93

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or 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 May 3, 1993
Signature & Seal of Professional Surveyor <i>[Signature]</i>

Certificate No. 648



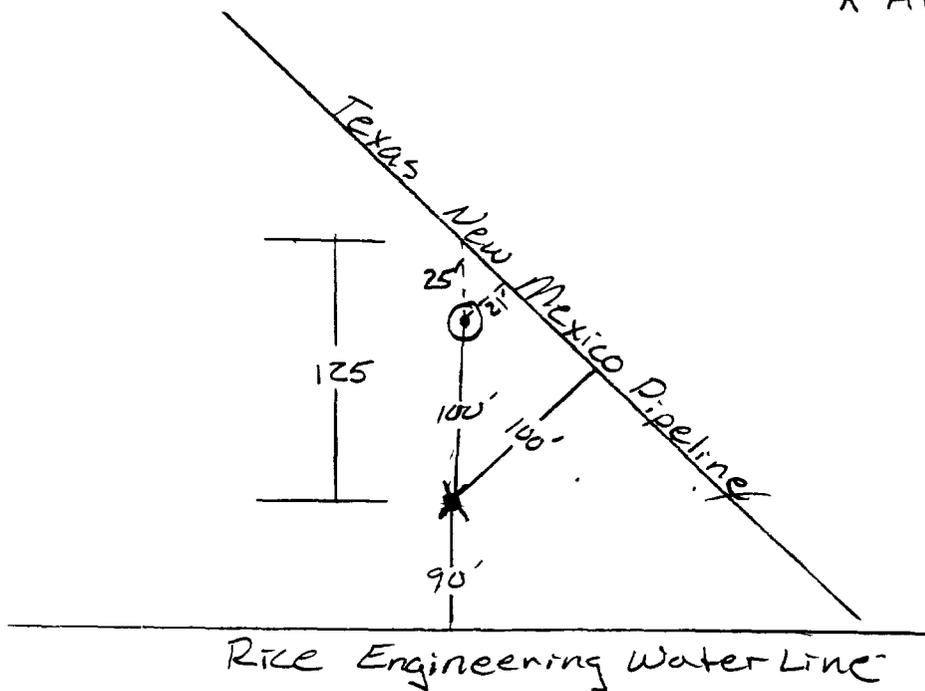
General Purpose Worksheet



Subject	SSU E-162	Page No.	Of
File		By	Date

⊙ Proposed Original Location

X Alternate



E-162

Due to the close proximity of the Texas/New Mexico pipeline, this location was moved 100' south to the new legals of 1750' FUL & 1150' FUL.

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

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

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

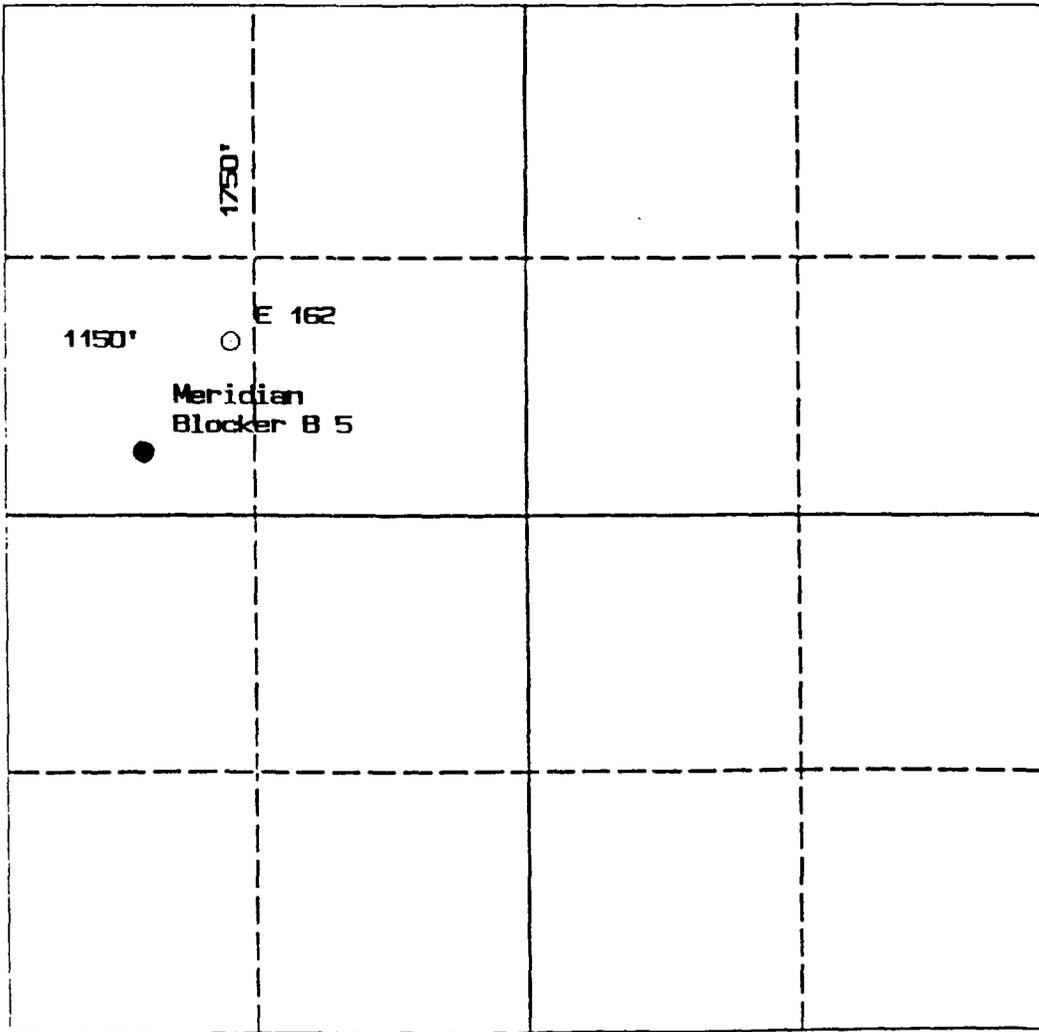
WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "E"			Well No. 162		
Unit Letter E	Section 13	Township 25 S	Range 37 E	County NMPM		Lea		
Actual Footage Location of Well: 1750 feet from the North line and 1150 feet from the West line								
Ground level Elev. 3087'	Producing Formation Blinebry-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, forced-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: **Reg. Coord.**

Company: **ARCO Oil & Gas**

Date: **5-19-93**

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or 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: **May 3, 1993**

Signature & Seal of Professional Surveyor: *[Signature]*

Certificate No.: **648**

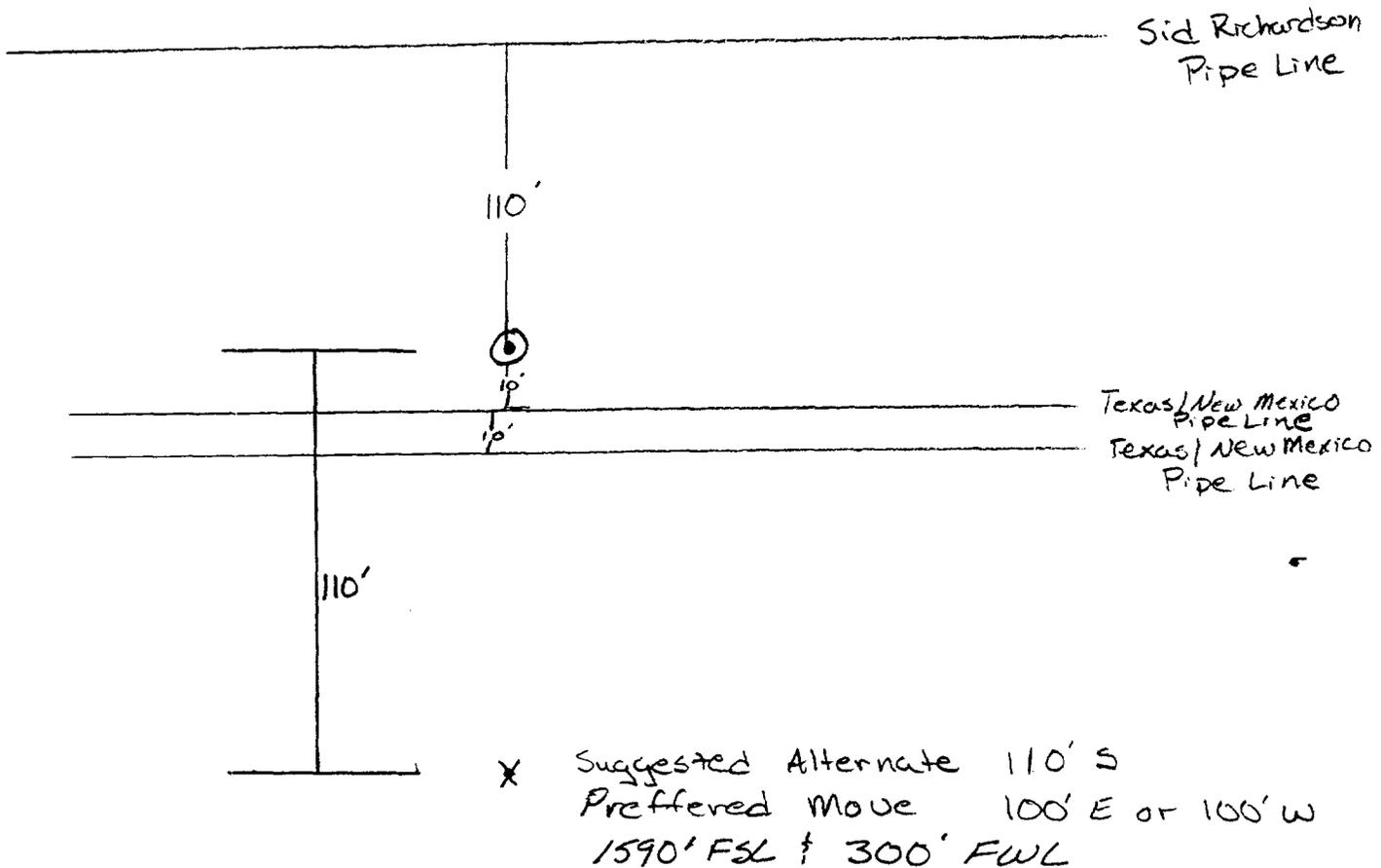
0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

General Purpose Worksheet



Subject	E-250		Page No.	Of
File		By	Date	

- ⊙ original / proposed location
- X Alternate Location



E-250

Due to the close proximity of the Texas/New Mexico pipe lines, this location was moved 110' south to the new legals of 1590' FSL † 300' FWL.

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

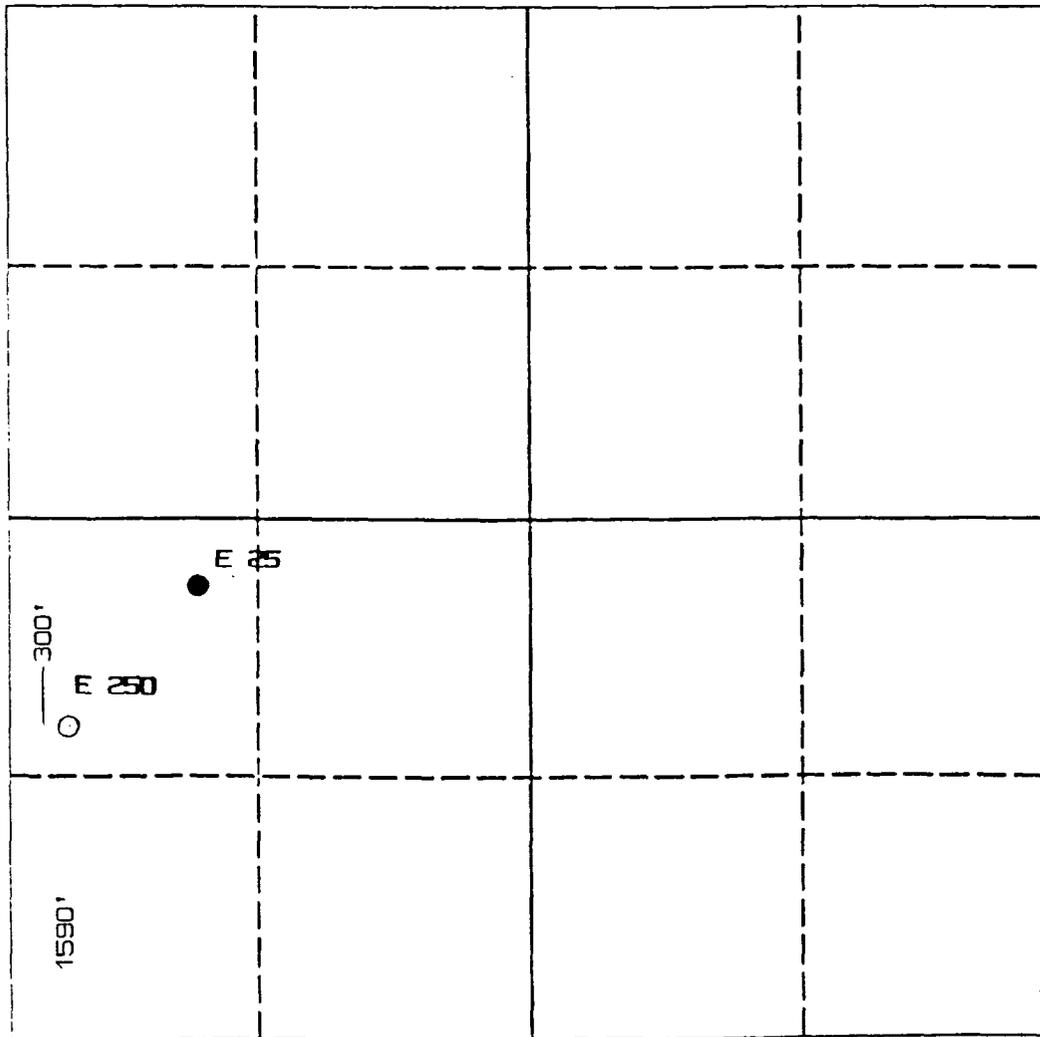
Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "E"		Well No. 250
Unit Letter L	Section 25	Township 25 S	Range 37 E	County Lea
Actual Footage Location of Well: 1590 feet from the South line and 300 feet from the West line				
Ground level Elev. 3054'	Producing Formation Blinebry-Tubb-Drinkard		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, forced-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
Reg. Coord.

Company
ARCO Oil & Gas

Date
5-19-93

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
May 5 1993

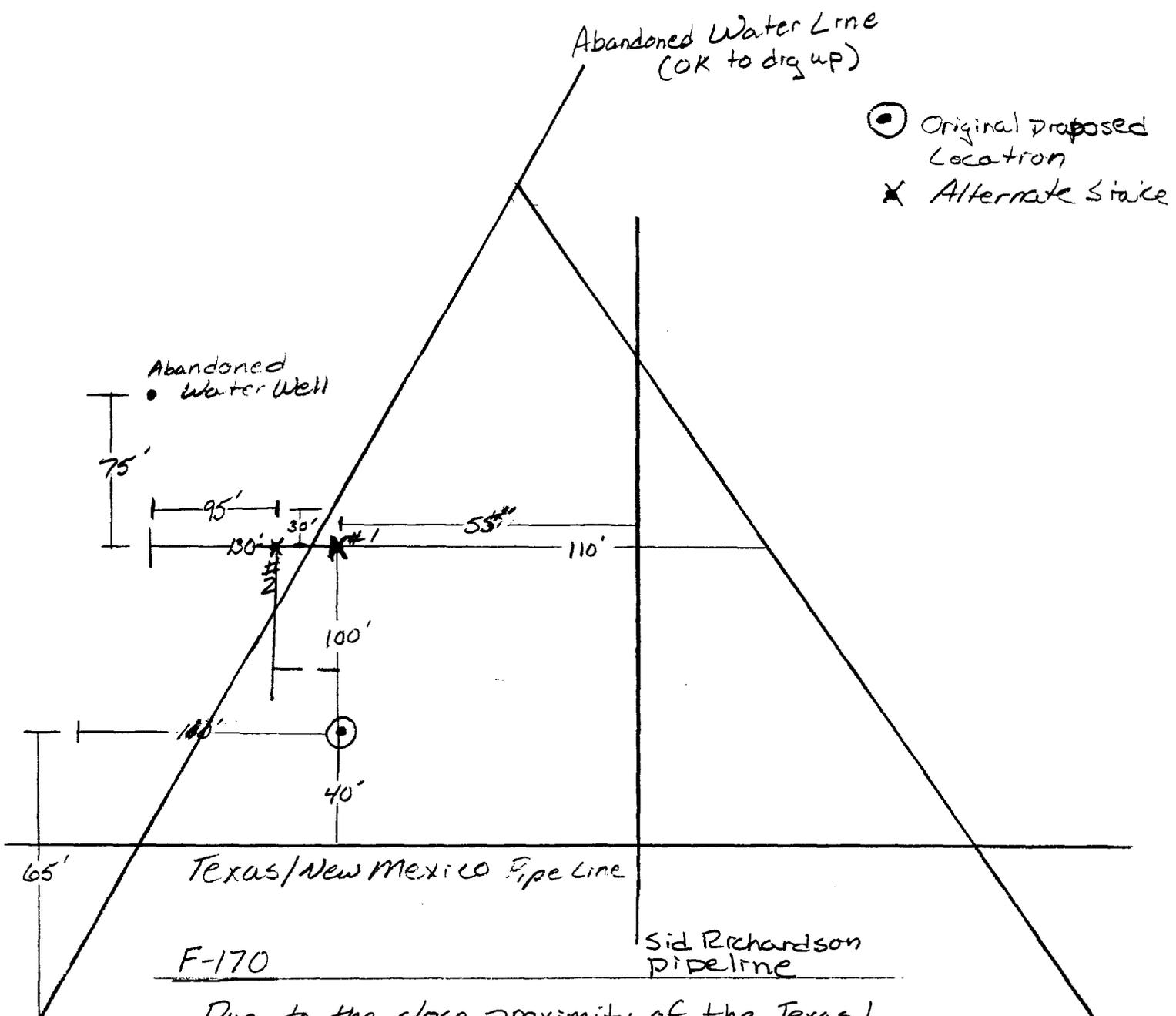
Signature & Seal of Professional Surveyor
[Signature]

Certificate No.
648

General Purpose Worksheet



Subject F-170 Staking	Page No.	C#
File	By	Date



City of
 Salt Water

Due to the close proximity of the Texas/
 New Mexico & Sid Richardson pipe lines,
 this location was moved 100' north and
 35' west to the new legals of 2250' ESL
 & 1365' FWL.

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

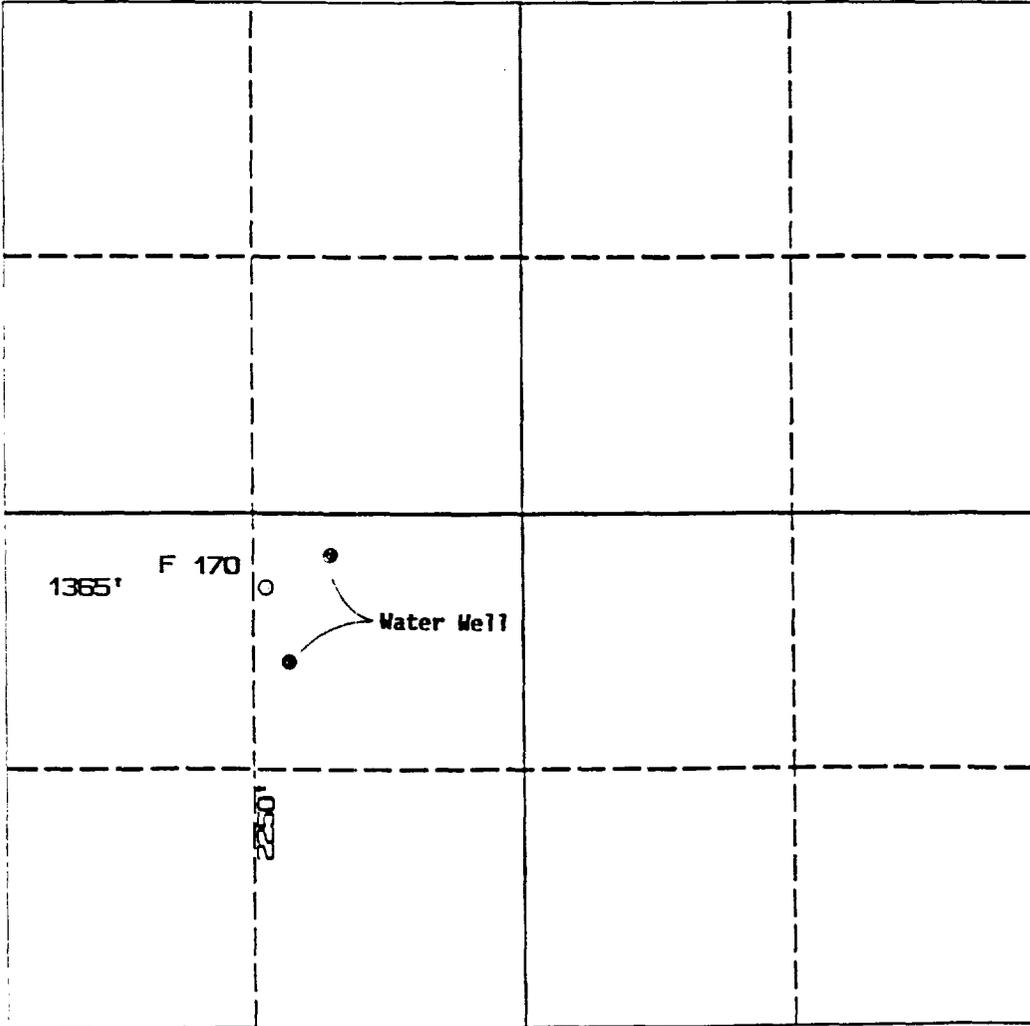
Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "F"		Well No. 170
Unit Letter K	Section 13	Township 25 S	Range 37 E	County NMPM
Actual Footage Location of Well: 2250 feet from the South line and 1365 feet from the West line				
Ground level Elev. 3081'	Producing Formation Blinebry-Tubb-Drinkard	Pool Justis	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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
 Reg. Coord.
 Company
 ARCO Oil & Gas
 Date
 5-18-93

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
 May 5, 1993

Signature & Seal of Professional Surveyor

[Signature]

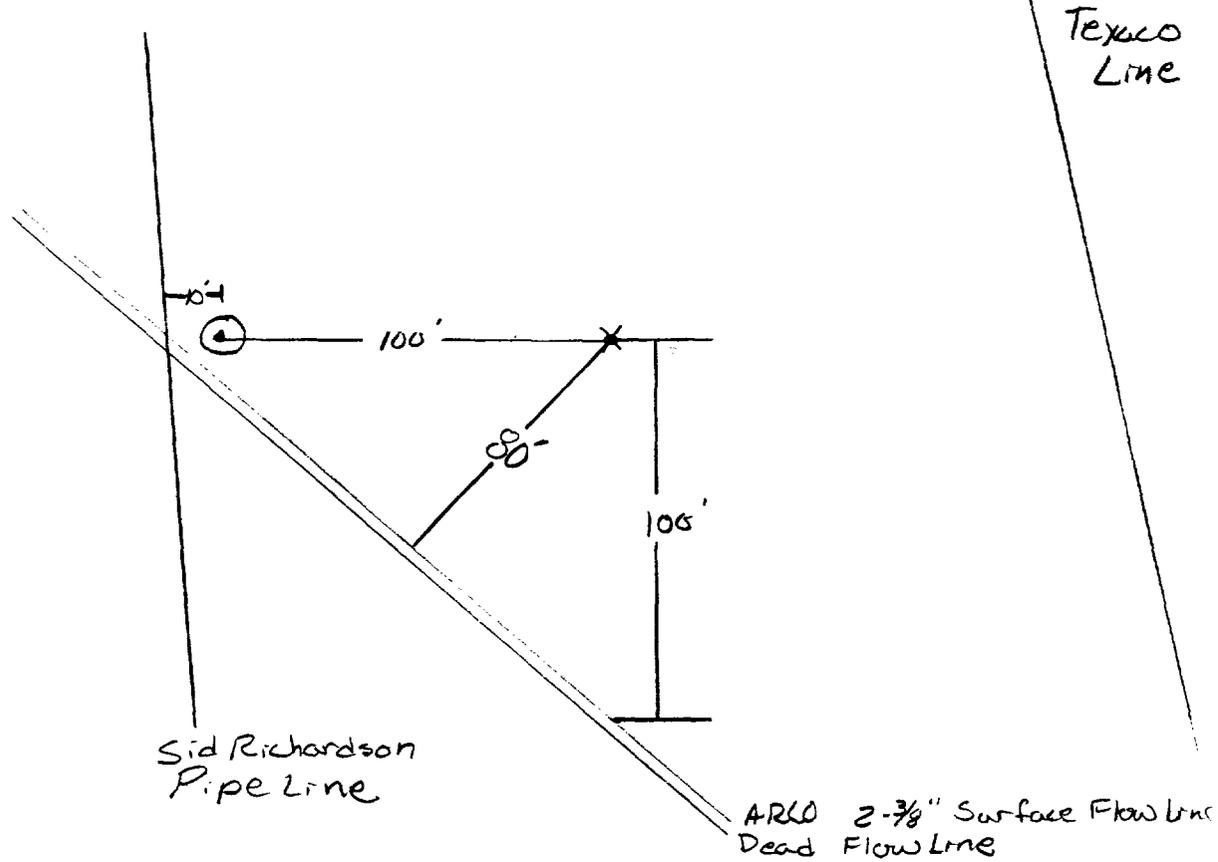
Certificate No.
 648

General Purpose Worksheet



Subject	F-180 Staking	Page No.	Of
File		By	Date

⊙ Original proposed Location
 X Alternate



F-180

Due to the close proximity of the Sid Richardson pipeline, this location was moved 100' east to the new legals of 1150' FSL & 1580' FWL.

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
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 LOCATION AND ACREAGE DEDICATION PLAT

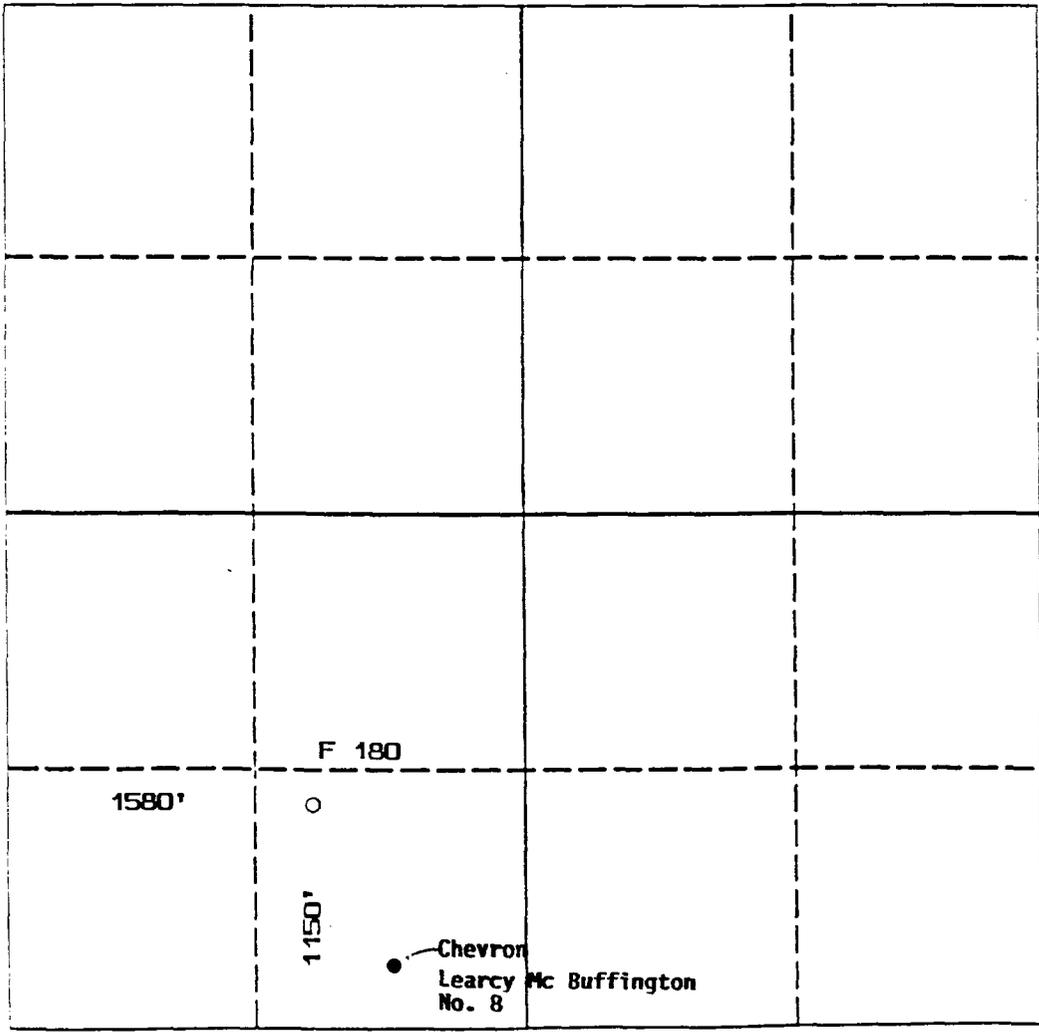
All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "F"		Well No. 180
Unit Letter N	Section 13	Township 25 S	Range 37 E	County NMPM Lea
Actual Footage Location of Well: 1150 feet from the South line and 1580 feet from the West line				
Ground level Elev. 3080'	Producing Formation Blinbry-Tubb-Drinkard	Pool Justis	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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
Reg. Coord.

Company
ARCO Oil & Gas

Date
5-18-93

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
May 3, 1993

Signature & Seal of
Professional Surveyor

[Signature]

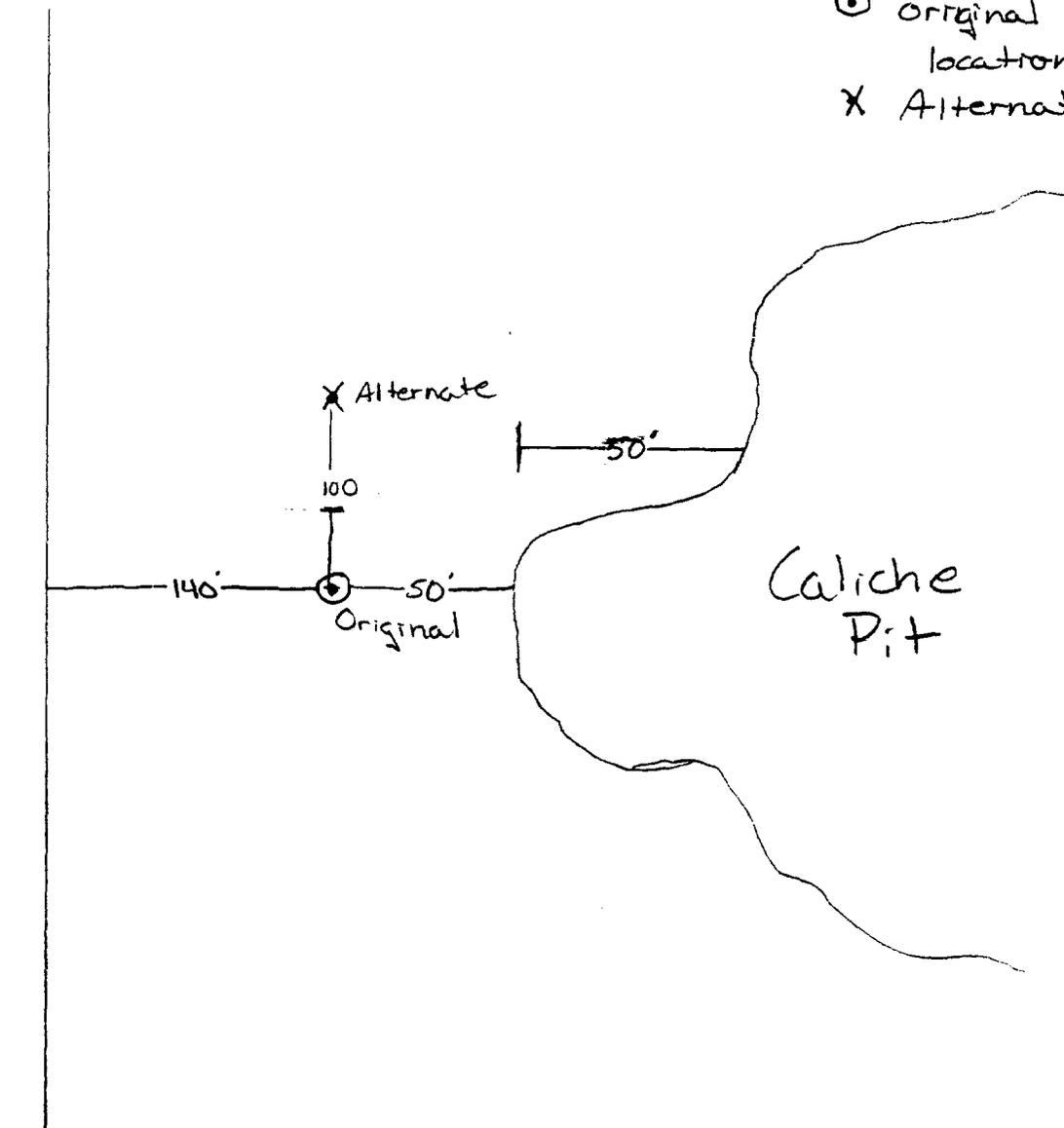
Certificate No.
648

General Purpose Worksheet



Subject	6-240	Page No.	Of
File		By	Date

⊙ original Proposed location
 X Alternate



Texaco Pipeline

6-240

Due the close proximity of the caliche pit cut-out, this location was moved 100' north to the new legals of 2150' FNL; 2450' FEL.

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

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

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

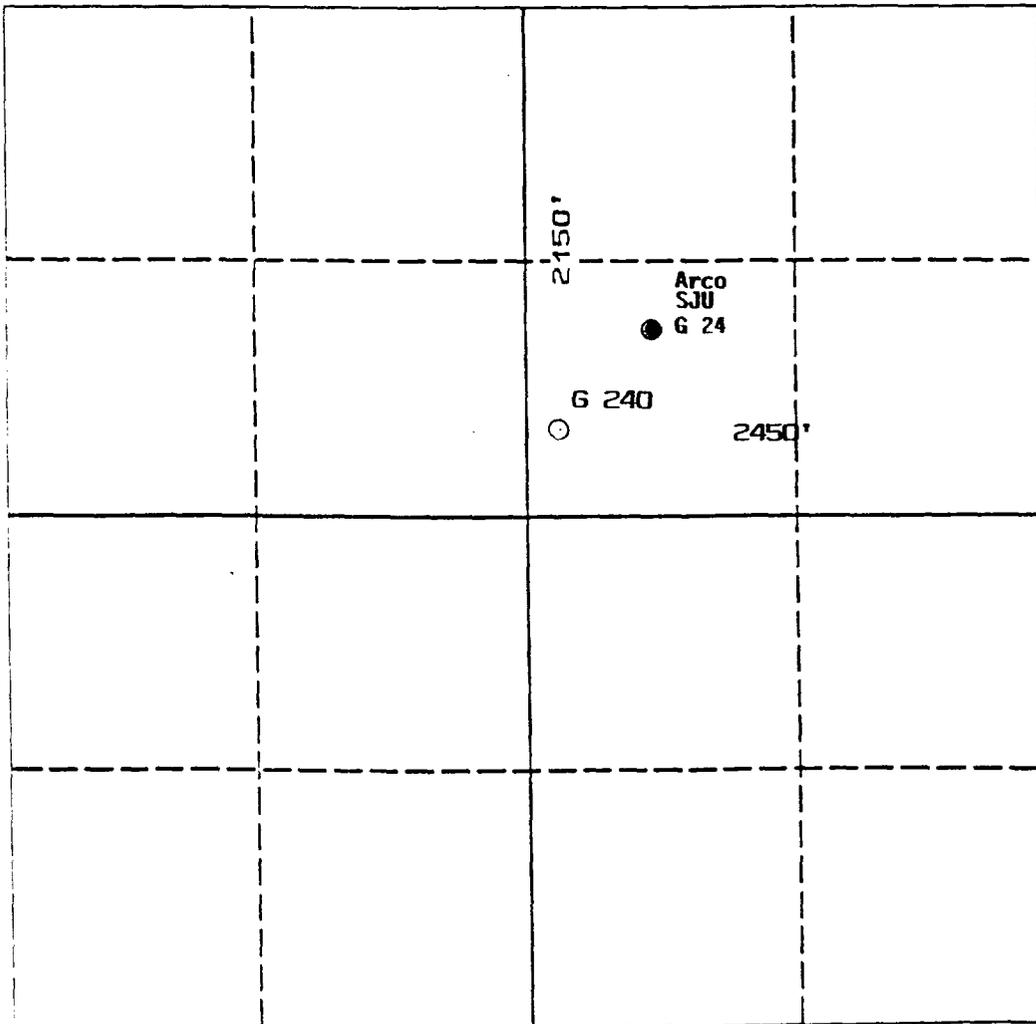
Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "G"		Well No. 240
Unit Letter G	Section 25	Township 25 S	Range 37 E	County NMPM Lea	

Actual Footage Location of Well:
2150 feet from the **North** line and **2450** feet from the **East** line
 Ground level Elev. **3059** Producing Formation **Blinebry-Tubb-Drinkard** Pool **Justis** Dedicated Acreage: **40** Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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: **Reg. Coord.**
 Company: **ARCO Oil & Gas**
 Date: **5-21-93**

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: **May 19, 1993**
 Signature & Seal of Professional Surveyor: *[Signature]*

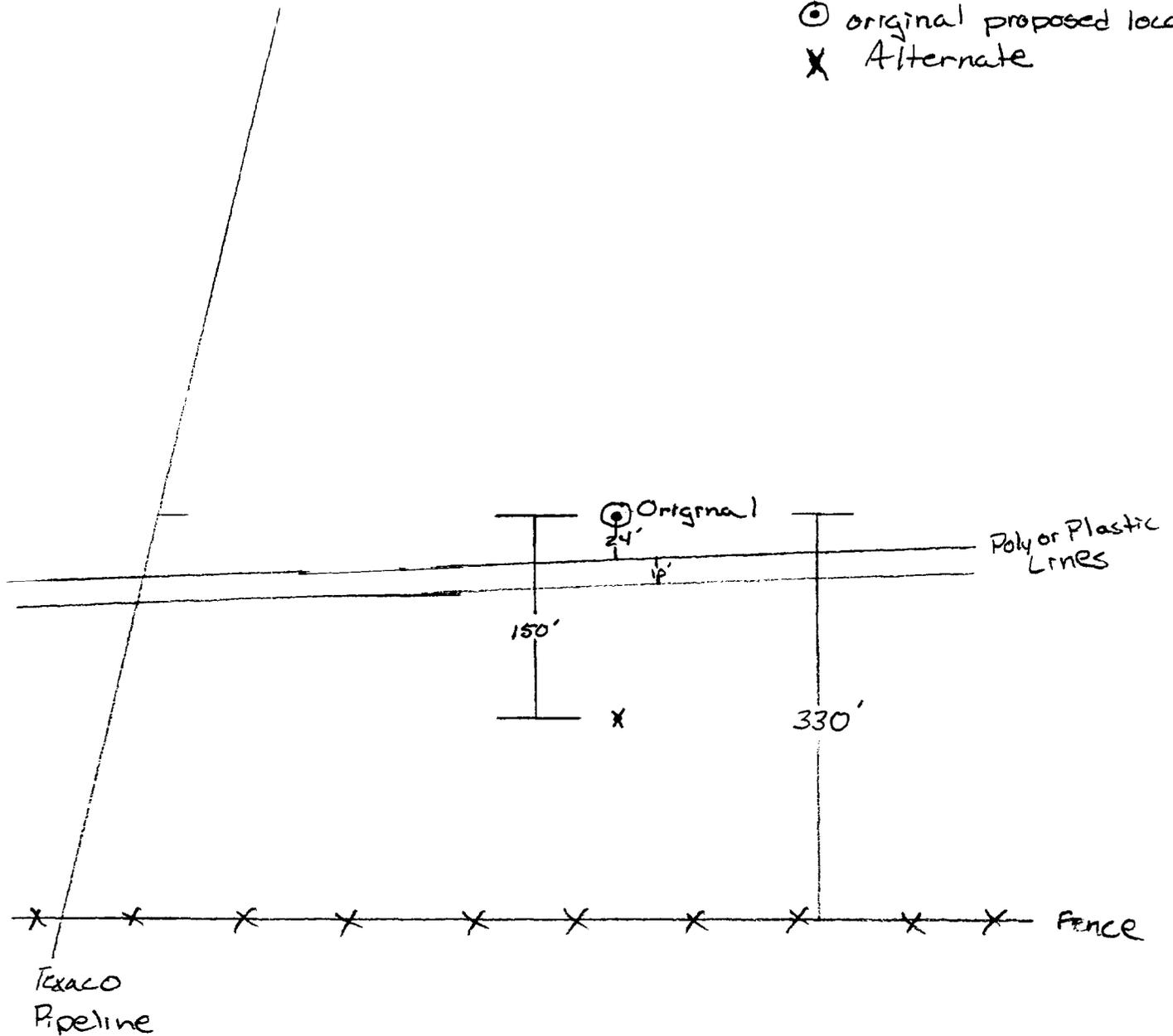
Certificate No. **648**

General Purpose Worksheet



Subject G-260	Page No.	Of
File	By	Date

⊙ original proposed location
 X Alternate



G-260

Due to the close proximity of 2 buried pipelines, this location was moved 150' south to the new legal's of 180' FSL; 2350' FBL.

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

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

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

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

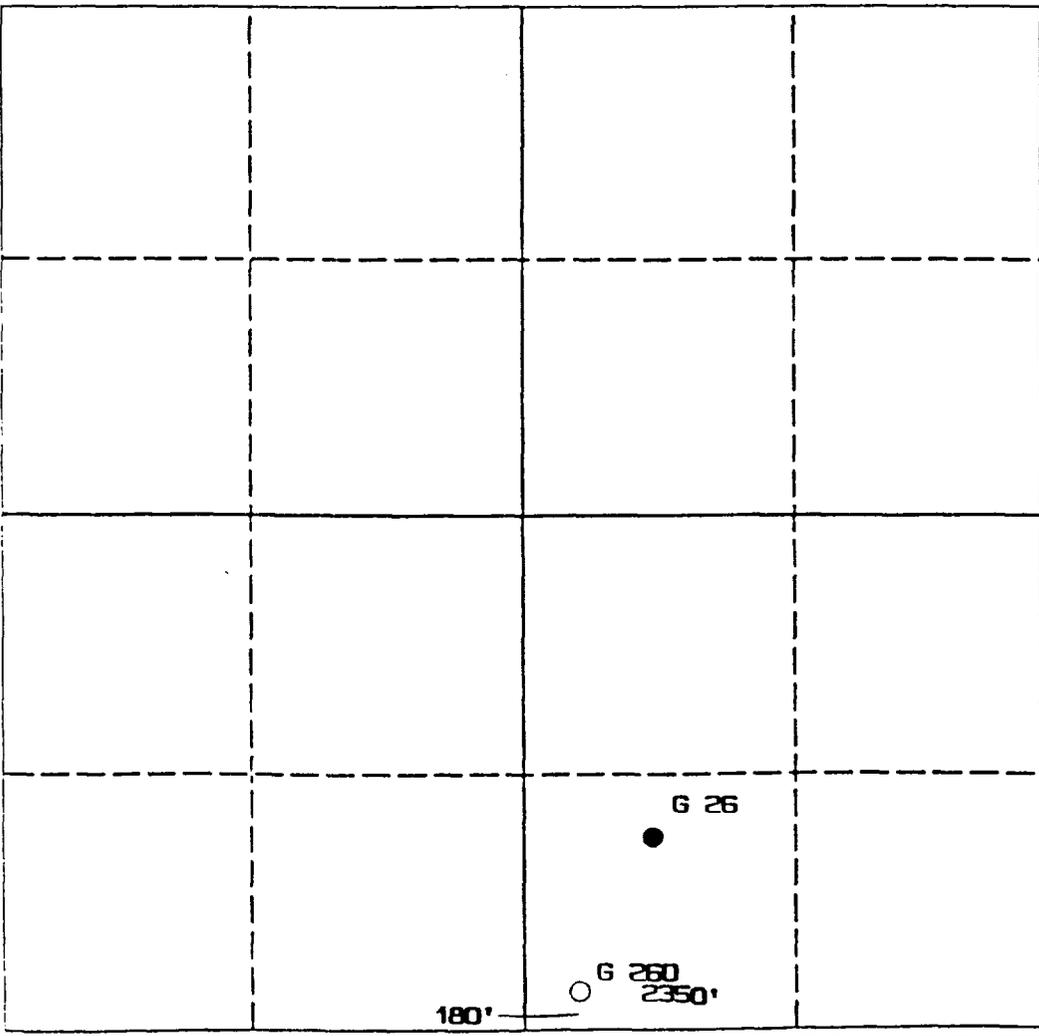
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "G"			Well No. 260		
Unit Letter 0	Section 25	Township 25 S	Range 37 E	County NMPM		Lea		
Actual Footage Location of Well: 180 feet from the South line and 2350 feet from the East line								
Ground level Elev. 3049'		Producing Formation Blinebry-Tubb-Drinkard			Pool Justis		Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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
Reg. Coord.

Company
ARCO Oil & Gas

Date
5-19-93

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or 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
May 6, 1993

Signature & Seal of Professional Surveyor
[Signature]

Certificate No.
648



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

January 11, 1993

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

ARCO Oil and Gas Company
P.O. Box 1610
Midland, Texas 79702

Attention: Ken W. Gosnell

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

Dear Mr. Gosnell:

Reference is made to your letters dated December 7, 1992 requesting exceptions, pursuant to Division General Rule 104.F(1), for thirteen unorthodox well locations, all of which were 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 Blinebry-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 Township 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.

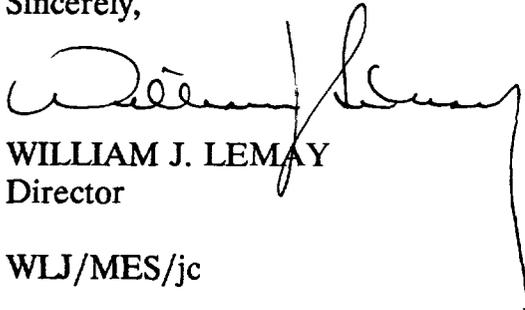
At this time, ARCO is seeking to change the proposed locations of thirteen particular wells due to minor difficulties encountered when actually staking the locations.

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 locations changes:

<i>Lease Name & Well No</i>	<i>Corresponding South Justis Unit Tract Designation and Well No.</i>	<i>Corrected Footage Location</i>	<i>Unit</i>
<i>SJU Tract C No. 190</i>	<i>200' FNL - 2350' FEL</i>	<i>23-25S-37E</i>	<i>B</i>
<i>SJU Tract C No. 192</i>	<i>1275' FNL - 2350' FEL</i>	<i>23-25S-37E</i>	<i>B</i>
<i>SJU Tract D No. 202</i>	<i>2500' FNL - 1000' FEL</i>	<i>23-25S-37E</i>	<i>H</i>
<i>SJU Tract D No. 210</i>	<i>1370' FSL - 1050' FEL</i>	<i>23-25S-37E</i>	<i>I</i>
<i>SJU Tract D No. 232</i>	<i>140' FNL - 1175' FEL</i>	<i>26-25S-37E</i>	<i>A</i>
<i>SJU Tract E No. 190</i>	<i>200' FNL - 150' FWL</i>	<i>24-25S-37E</i>	<i>D</i>
<i>SJU Tract E No. 220</i>	<i>80' FSL - 300' FWL</i>	<i>24-25S-37E</i>	<i>M</i>
<i>SJU Tract E No. 222</i>	<i>1310' FS & WL</i>	<i>24-25S-37E</i>	<i>M</i>
<i>SJU Tract F No. 190</i>	<i>160' FNL - 1330' FWL</i>	<i>24-25S-37E</i>	<i>C</i>
<i>SJU Tract F No. 192</i>	<i>1200' FNL - 1560' FWL</i>	<i>24-25S-37E</i>	<i>C</i>
<i>SJU Tract F No. 210</i>	<i>1350' FSL - 2300' FWL</i>	<i>24-25S-37E</i>	<i>K</i>
<i>SJU Tract G No. 190</i>	<i>1090' FNL - 2455' FEL</i>	<i>24-25S-37E</i>	<i>B</i>
<i>SJU Tract G No. 210</i>	<i>1400' FSL - 1450' FEL</i>	<i>24-25S-37E</i>	<i>J</i>

All other provisions of said Order No. R-9747 shall remain in full force and effect until further notice.

Sincerely,



WILLIAM J. LEMAY
Director

WLJ/MES/jc

cc: Oil Conservation Division - Hobbs
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach
File: Case No. 10554 ✓

ARCO Oil and Gas Company ◆

Western Division
800 N. Main Street
Midland, Texas 79701
Post Office Box 2088
Midland, Texas 79701
Telephone 915-688-5672

OIL CONSERVATION DIVISION
RECEIVED
DEC 08 1992

December 7, 1992

State of New Mexico
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504-2088

Attn: Michael E. Stogner

Re: Relocation of Unorthodox locations

Dear Sir:

As provided by Order No.R-9747, page 6, paragraph 10, ARCO is requesting approval of the following relocated wells:

<u>Well Name</u>	<u>Location</u>	<u>Unit</u>	<u>S-T-R</u>
✓ SJU tract C #190	200 FNL & 2350 FEL	B	23-25S-37E
✓ SJU tract E #190	200 FNL & 150 FWL	D	24-25S-37E
✓ SJU tract F #190	160 FNL & 1330 FWL	C	24-25S-37E
✓ SJU tract F #192	1200 FNL & 1560 FWL	C	24-25S-37E
✓ SJU tract G #190	1090 FNL & 2455 FEL	B	24-25S-37E
✓ SJU tract C #192	1275 FNL & 2350 FEL	B	23-25S-37E
✓ SJU tract D #202	2500 FNL & 1000 FEL	H	23-25S-37E
✓ SJU tract D #210	1370 FSL & 1050 FEL	I	23-25S-37E
✓ SJU tract F #210	1350 FSL & 2300 FWL	K	24-25S-37E
✓ SJU tract G #210	1400 FSL & 1450 FEL	J	24-25S-37E
✓ SJU tract D #232	140 FNL & 1175 FEL	A	26-25S-37E
✓ SJU tract E #220	80 FSL & 300 FWL	M	24-25S-37E
✓ SJU tract E #222	1310 FSL & 1310 FWL	M	24-25S-37E

All of these wells are more than 330 ft from unit boundary line and not less than 10 ft from any quarter quarter line.

Your attention in this matter will be appreciated.

Sincerely,

Ken W. Gosnell
Ken W. Gosnell
Regulatory Coordinator
915-688-5672

ARCO Oil and Gas Company 
Eastern District
100 N. Marquette
Midland, Texas 79701
Post Office Box 1810
Midland, Texas 79702
Telephone 915-688-5212

OIL CONSERVATION DIVISION
RECEIVED
1992 DEC 7 AM 8 52

December 7, 1992

State of New Mexico
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504-2088

Attn: Michael E. Stogner

Re: Relocation of Unorthodox locations

Dear Sir:

As provided by Order No.R-9747, page 6, paragraph 10, ARCO is requesting approval of the following relocated wells:

<u>Well Name</u>	<u>Location</u>	<u>Unit</u>	<u>S-T-R</u>
SJU tract C #190	200 FNL & 2350 FEL	B	23-25S-37E
SJU tract E #190	200 FNL & 150 FWL	D	24-25S-37E
SJU tract F #190	160 FNL & 1330 FWL	C	24-25S-37E
SJU tract F #192	1200 FNL & 1560 FWL	C	24-25S-37E
SJU tract G #190	1090 FNL & 2455 FEL	B	24-25S-37E
SJU tract C #192	1275 FNL & 2350 FEL	B	23-25S-37E
SJU tract D #202	2500 FNL & 1000 FEL	H	23-25S-37E
SJU tract D #210	1370 FSL & 1050 FEL	I	23-25S-37E
SJU tract F #210	1350 FSL & 2300 FWL	K	24-25S-37E
SJU tract G #210	1400 FSL & 1450 FEL	J	24-25S-37E
SJU tract D #232	140 FNL & 1175 FEL	A	26-25S-37E
SJU tract E #220	80 FSL & 300 FWL	M	24-25S-37E
SJU tract E #222	1310 FSL & 1310 FWL	M	24-25S-37E

All of these wells are more than 330 ft from unit boundary line and not less than 10 ft from any quarter quarter line.

Your attention in this matter will be appreciated.

Sincerely,


Ken W. Gosnell
Regulatory Coordinator
915-688-5672

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	ARCO OIL AND GAS COMPANY				Lease	South Justis Unit "C"	Section	190
Well Letter	Section	Township	Range	County				
B	23	25 S	37 E	NMPM	Lea			

Actual Footage Location of Well:

200 feet from the **North** line and **2350** feet from the **East** line

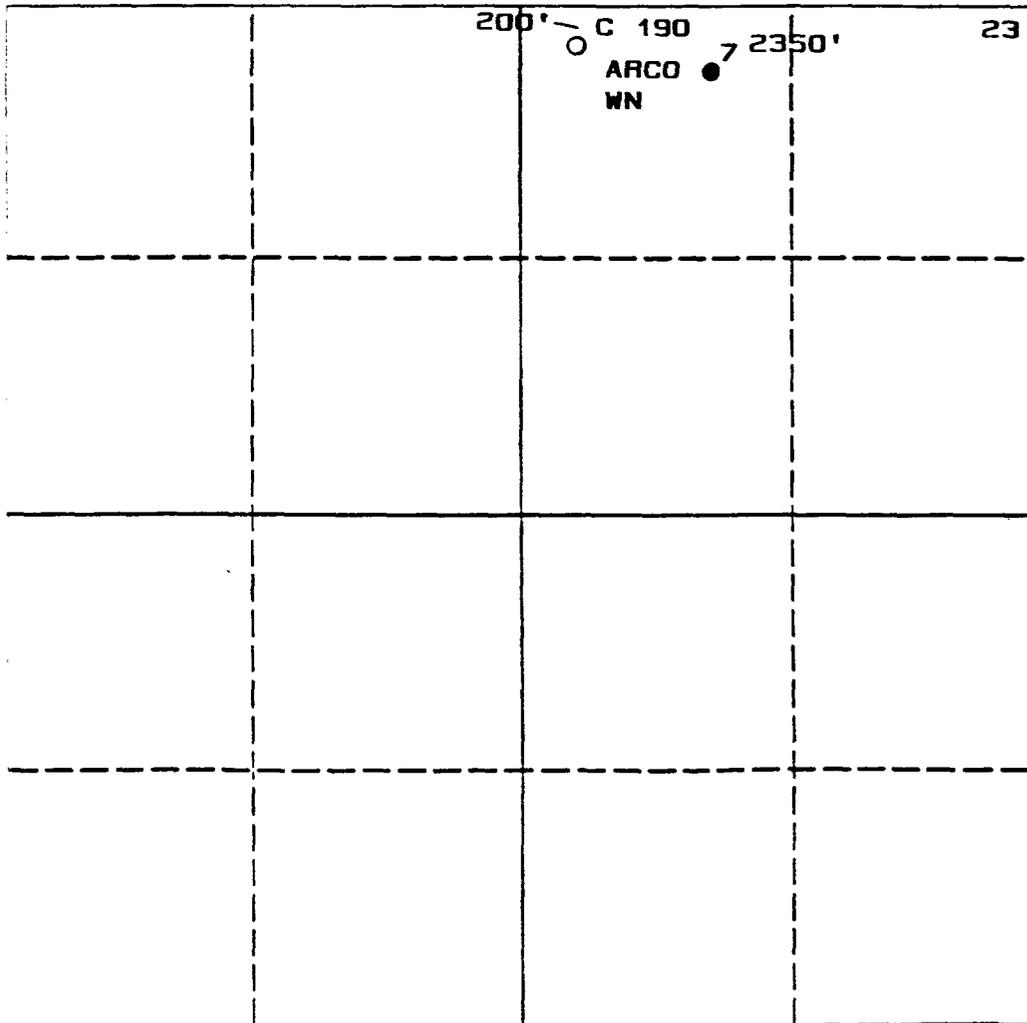
Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:
3102'	Blinebry - Tubb - Drinkard	Justis	40 Acres

- 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, forced-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.

Ken W. Gosnell
Signature

Ken W. Gosnell
Printed Name

Reg. Coord.
Position

ARCO Oil and Gas Co.
Company

12-7-92
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Nov. 2, 1992

Signature & Seal of Professional Surveyor

[Signature]
Certificate No. 648

OIL CONSERVATION DIVISION

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

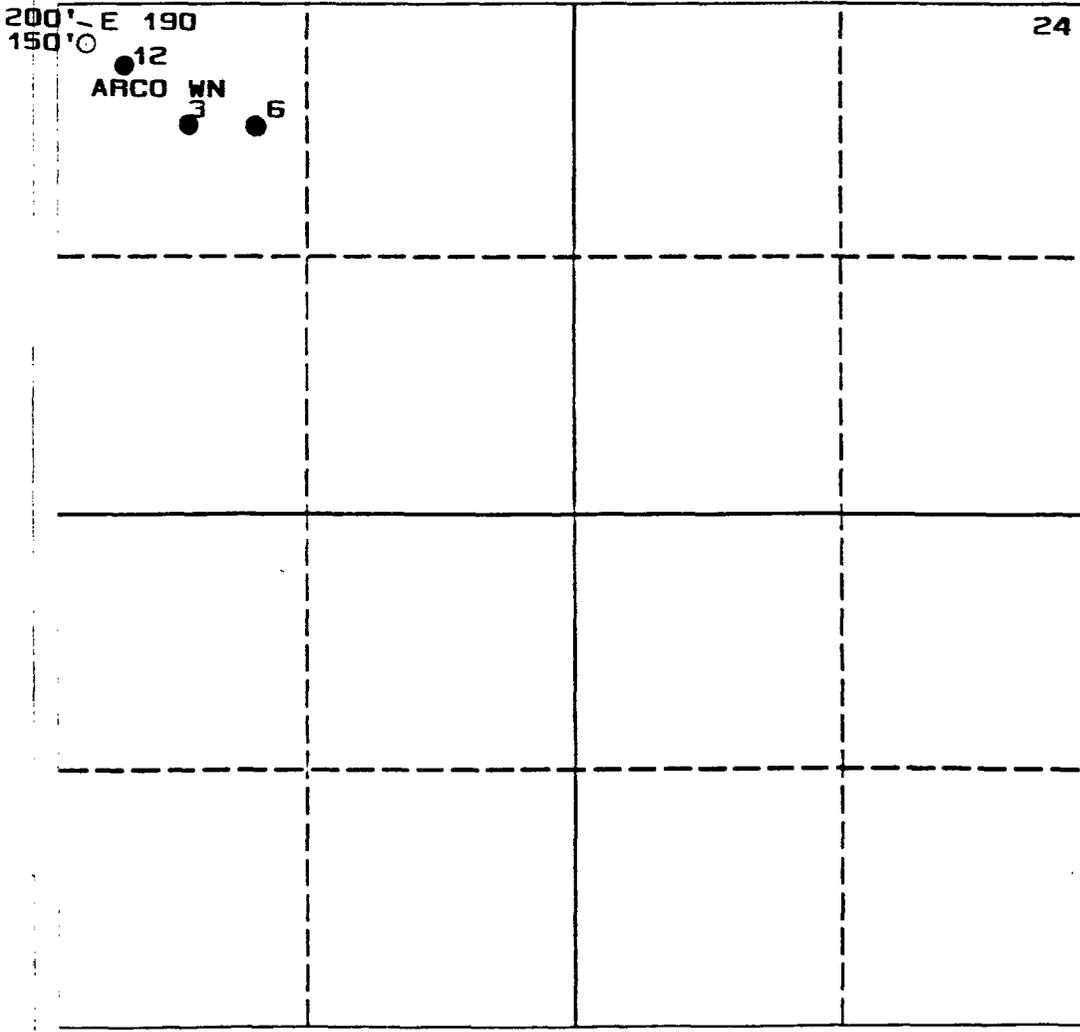
Operator		Lease		Well No.	
ARCO OIL AND GAS COMPANY		South Justis Unit "E"		190	
Unit Letter	Section	Township	Range	County	
D	24	25 S	37 E	NMPM Lea	
Actual Footage Location of Well:					
200	feet from the	North	line and	150	feet from the West line
Ground level Elev.		Producing Formation		Pool	
3090'		Blinebry - Tubb - Drinkard		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, forced-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.

Ken W. Gosnell
Signature

Ken W. Gosnell
Printed Name

Reg. Coord.
Position

ARCO Oil and Gas Co.
Company

12-7-92
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Nov. 2, 1992

Signature & Seal of Professional Surveyor
[Signature]

Certificate No.
648

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "F"		Well No. 190
Unit Letter C	Section 24	Township 25 S	Range 37 E	County NMPM Lea	

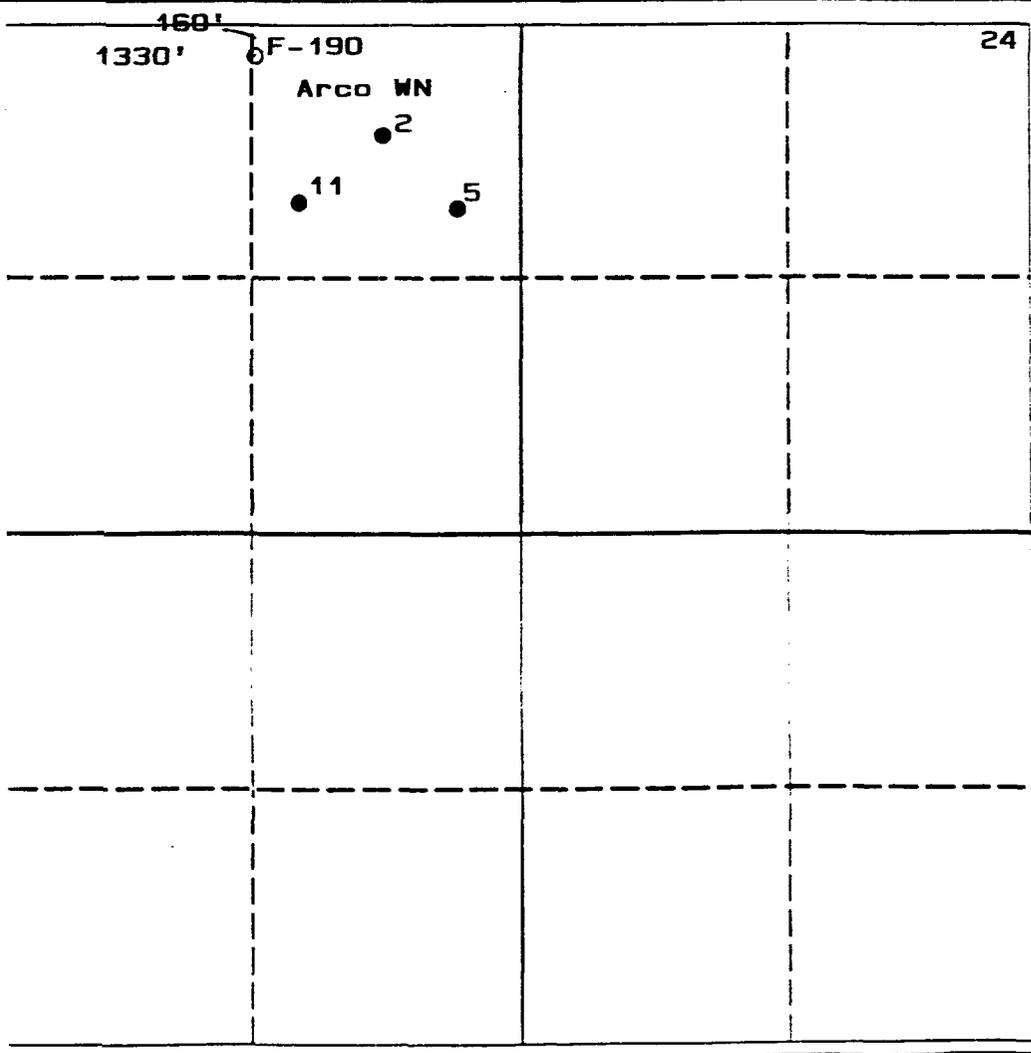
Actual Footage Location of Well:
160 feet from the **North** line and **1330** feet from the **West** line

Ground level Elev. 3083'	Producing Formation Blinebry - 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, forced-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.

Ken W. Gosnell
 Signature

Ken W. Gosnell
 Printed Name

Reg. Coord.
 Position

ARCO Oil and Gas Co.
 Company

12-7-92
 Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Nov. 11, 1992
 Date Surveyed

[Signature]
 Signature & Seal of Professional Surveyor

[Signature]
 Certificate No. 648

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

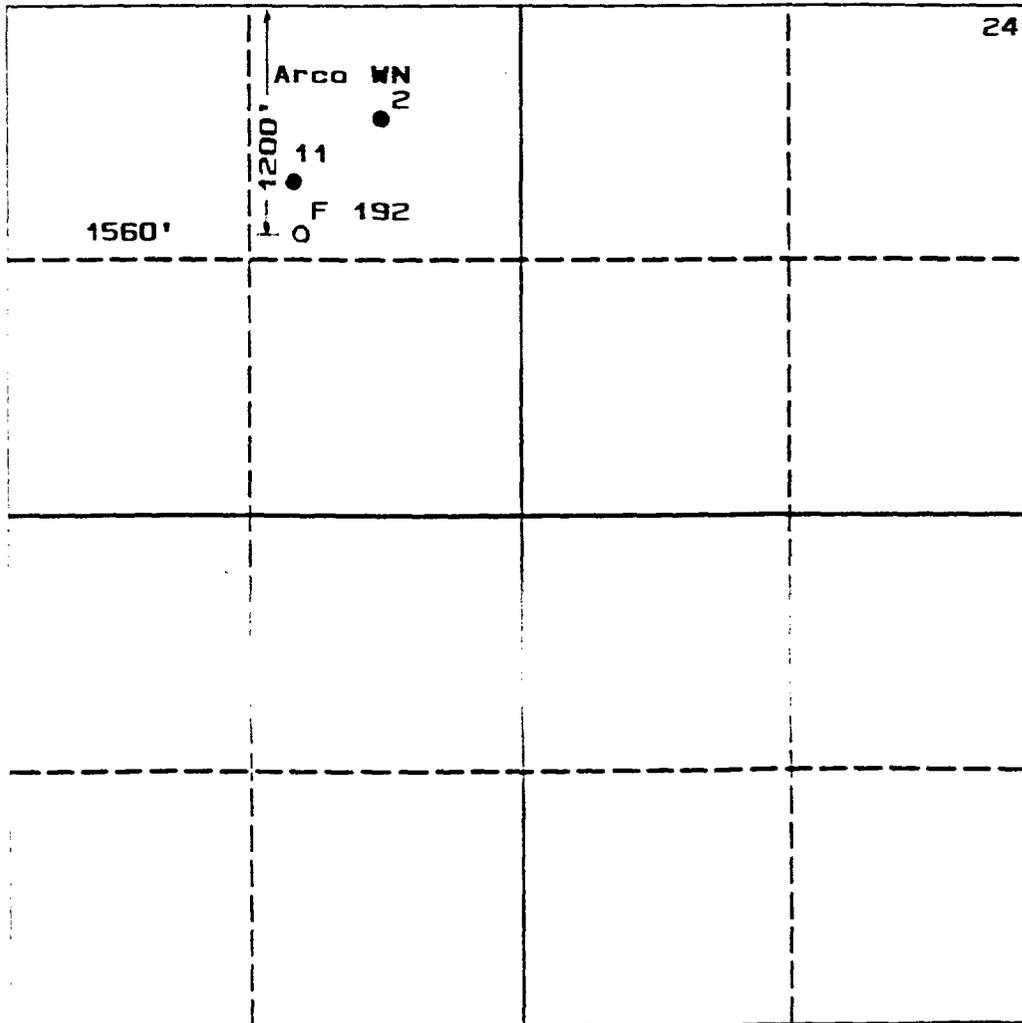
All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "F"		Well No. 192	
Unit Letter C	Section 24	Township 25 S	Range 37 E	County NMPM Lea	
Actual Footage Location of Well: 1200 feet from the North line and 1560 feet from the West line					
Ground level Elev. 3078'		Producing Formation Blinebry - 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, forced-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.

Ken W. Gosnell
 Signature

Ken W. Gosnell
 Printed Name

Reg. Coord
 Position

ARCO Oil and Gas Co.
 Company

12-7-92
 Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Nov. 11, 1992

Signature & Seal of Professional Surveyor

Sam Anderson

Certificate No.

648

Submit to Appropriate District Office
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State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-102
 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 LOCATION AND ACREAGE DEDICATION PLAT

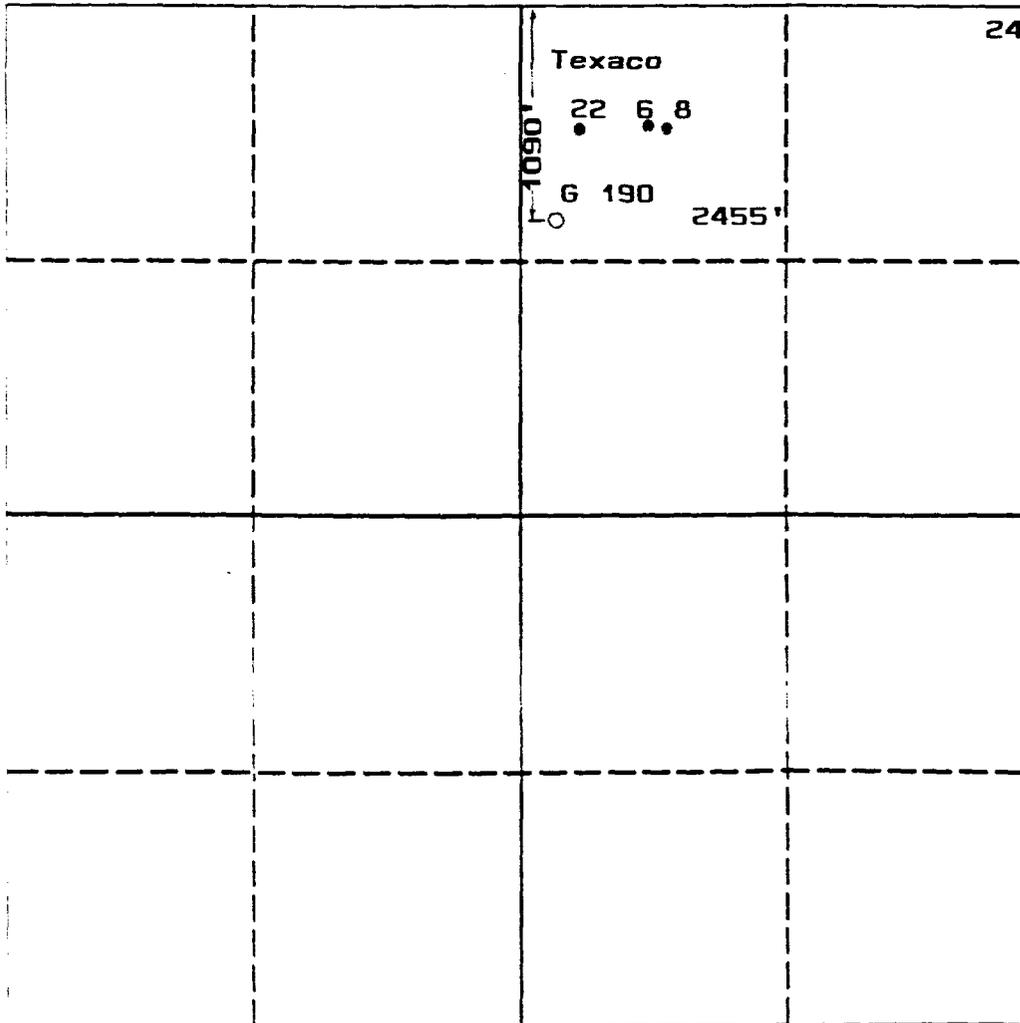
All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "G"		Well No. 190	
Unit Letter B	Section 24	Township 25 S	Range 37 E	County NMPM	Lea
Actual Footage Location of Well: 1090 feet from the North line and 2455 feet from the East line					
Ground level Elev. 3077'		Producing Formation Blinebry - 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.

Ken W. Gosnell
 Signature

Ken W. Gosnell
 Printed Name

Reg. Coord.
 Position

ARCO Oil and Gas Co.
 Company

12-7-92
 Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Nov. 11, 1992

Signature & Seal of Professional Surveyor
Guy Saunders

Certificate No. **648**

Submit to Appropriate District Office
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Form C-102
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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

WELL LOCATION AND ACREAGE DEDICATION PLAT

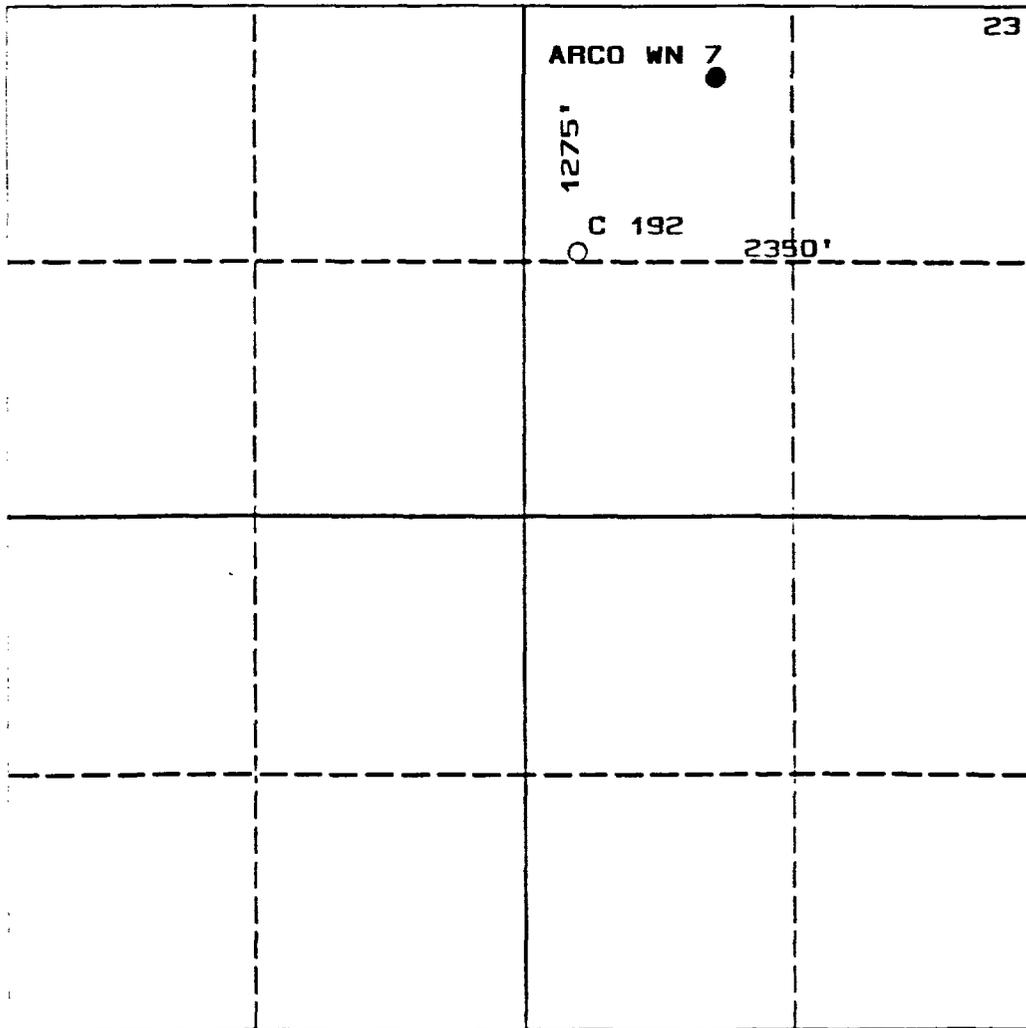
All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "C"		Well No. 192
Unit Letter B	Section 23	Township 25 S	Range 37 E	County NMPM Lea
Actual Footage Location of Well: 1275 feet from the North line and 2350 feet from the East line				
Ground level Elev. 3087'	Producing Formation Blinebry - 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.) _____

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OPERATOR CERTIFICATION

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

Ken W. Gosnell
 Signature

Ken W. Gosnell
 Printed Name

Reg. Coord.
 Position

ARCO Oil and Gas Co.
 Company

12-7-92
 Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Nov. 16, 1992

Signature & Seal of
 Professional Surveyor

Ken Gosnell
 Certificate No.

648

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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

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

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

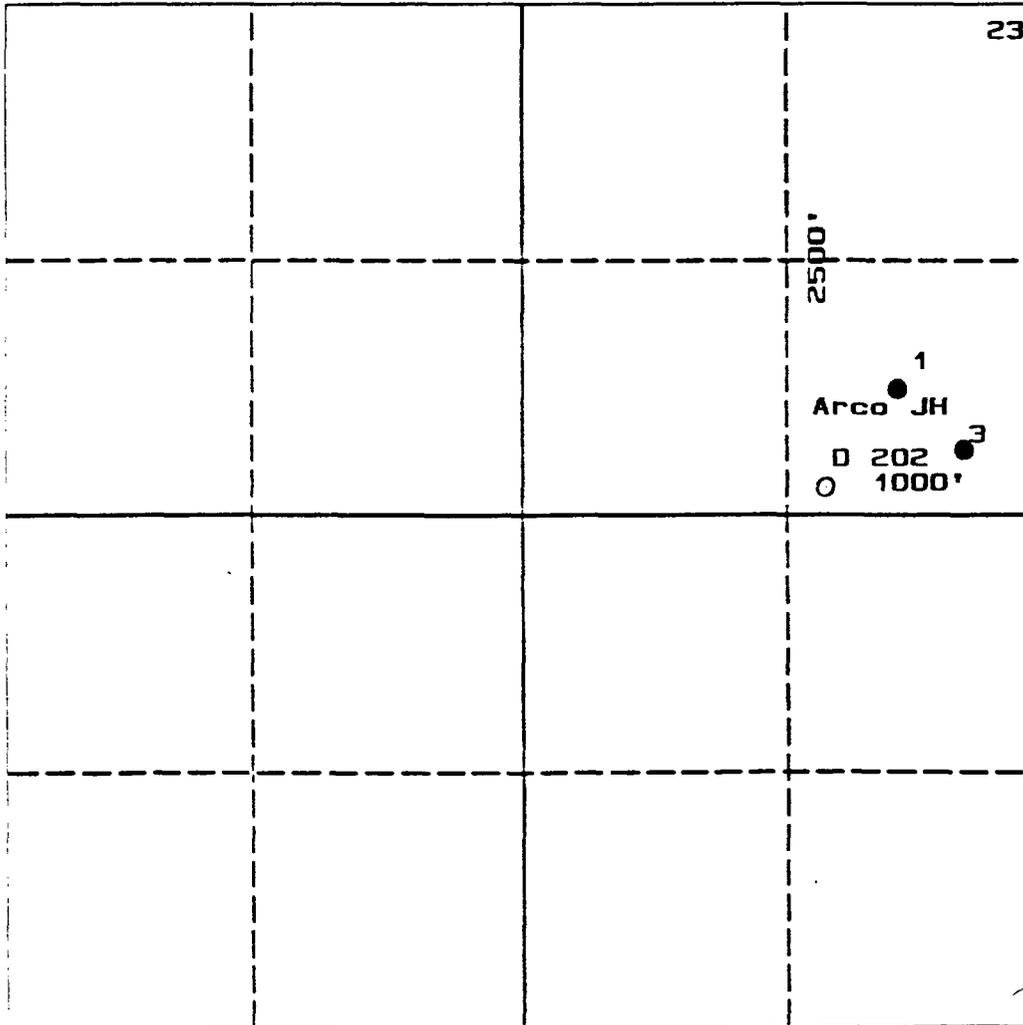
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator		Lease		Well No.	
ARCO OIL AND GAS COMPANY		South Justis Unit "D"		202	
Section	Township	Range	County	Lea	
H	23	25 S	37 E	NMPM	
Actual Footage Location of Well:					
2500	feet from the	North	line and	1000	feet from the East line
Ground level Elev.		Producing Formation		Pool	
3086'		Blinebry - Tubb - Drinkard		Justis	
				Dedicated Acreage:	
				40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
 3. 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.?
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- If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____
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OPERATOR CERTIFICATION

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

Ken W. Gosnell
Signature

Ken W. Gosnell
Printed Name

Reg. Coord.
Position

ARCO Oil and Gas Co.
Company

12-7-92
Date

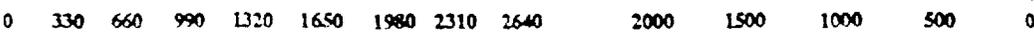
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Nov. 23, 1992

Signature & Seal of Professional Surveyor
Sam Sanders

Certificate No.
648



OIL CONSERVATION DIVISION

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

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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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "D"		Well No 210
Unit Letter I	Section 23	Township 25 S	Range 37 E	County LEA

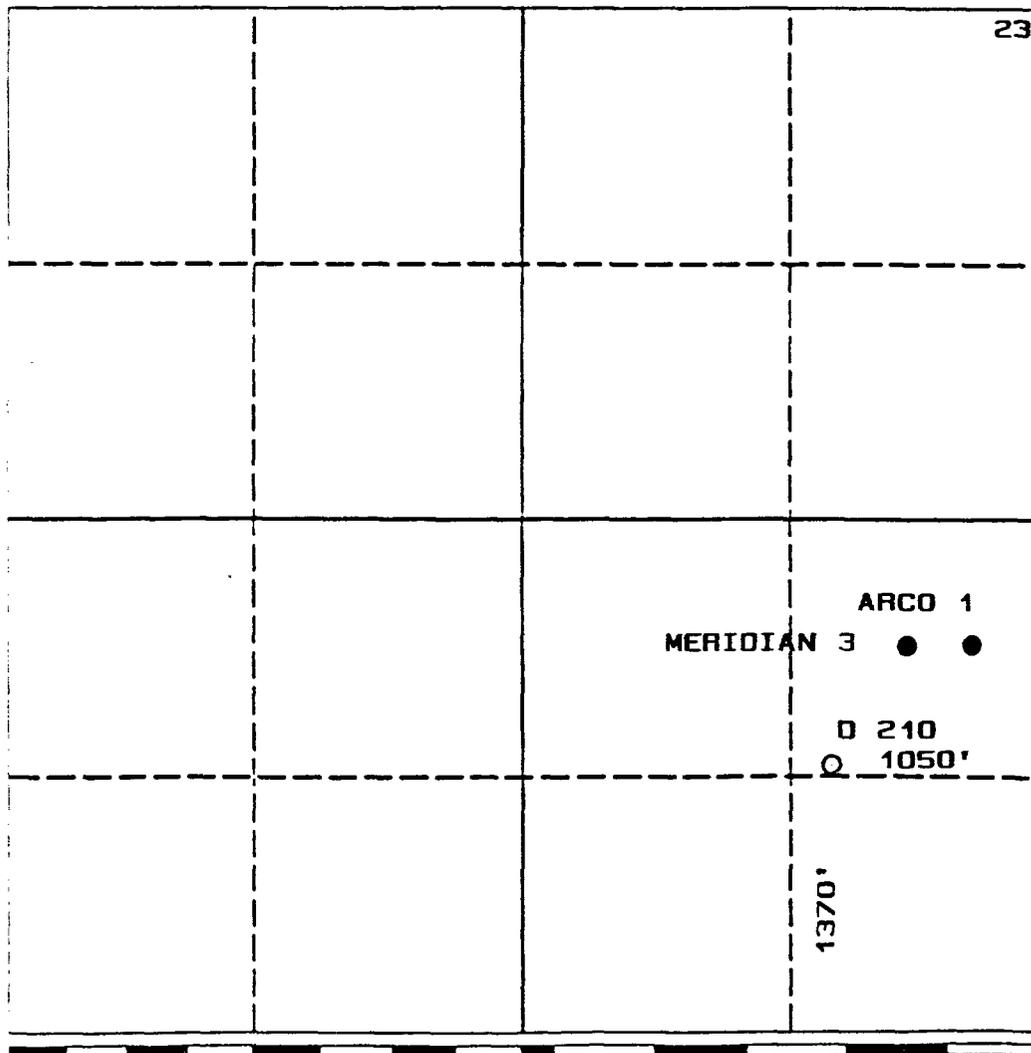
Actual Footage Location of Well:
1370 feet from the **South** line and **1050** feet from the **East** line
 Ground level Elev. **3081'** Producing Formation **Blinebry - Tubb - Drinkard** Pool **Justis** Dedicated Acreage: **40** Acres

- 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 _____

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OPERATOR CERTIFICATION

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

Ken W. Gosnell

Signature
Ken W. Gosnell

Printed Name
Reg. Coord.

Position
ARCO Oil and Gas Co.

Company
12-7-92

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Nov. 16, 1992

Signature & Seal of
Professional Surveyor

[Signature]

Certificate No. **648**

Submit to Appropriate District Office
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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

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

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

DISTRICT III
 1500 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

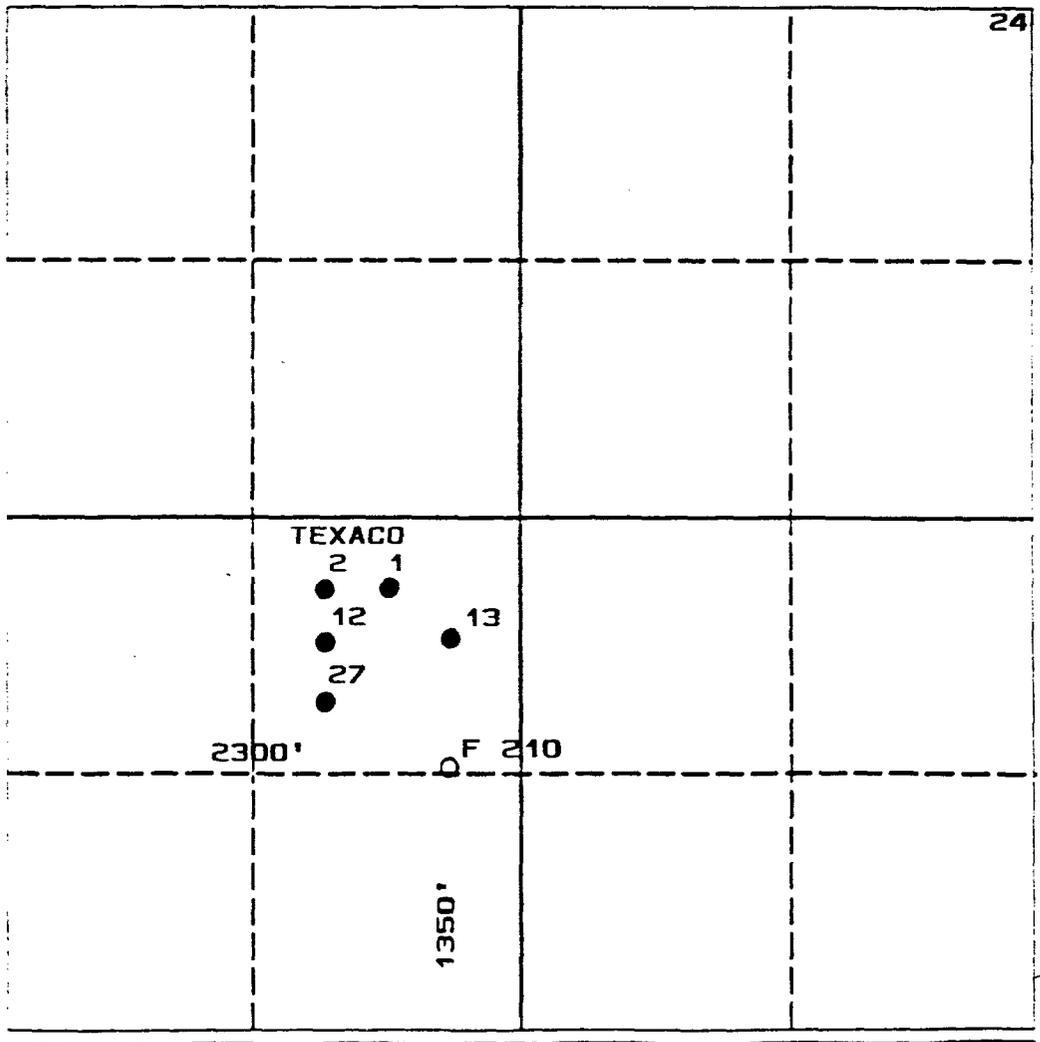
Operator ARCO OIL AND GAS COMPANY				Well No. 210	
Section 24					
Township 25 S		Range 37 E		County Lea	
Actual Footage Location of Well: 1350 feet from the South line and 2300 feet from the West line					
Ground level Elev. 3071'		Producing Formation Blinebry - Tubb - Drinkard		Dedicated Acreage: 40 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).
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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.) _____

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OPERATOR CERTIFICATION

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

Ken W. Gosnell
 Signature
 Ken W. Gosnell
 Printed Name
 Reg. Coord.
 Position
 ARCO Oil and Gas Co.
 Company
 12-7-92
 Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Nov. 17, 1992

Signature & Seal of Professional Surveyor
[Signature]

Certificate No.
648

Submit to Appropriate District Office
 State Lease - 4 copies
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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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

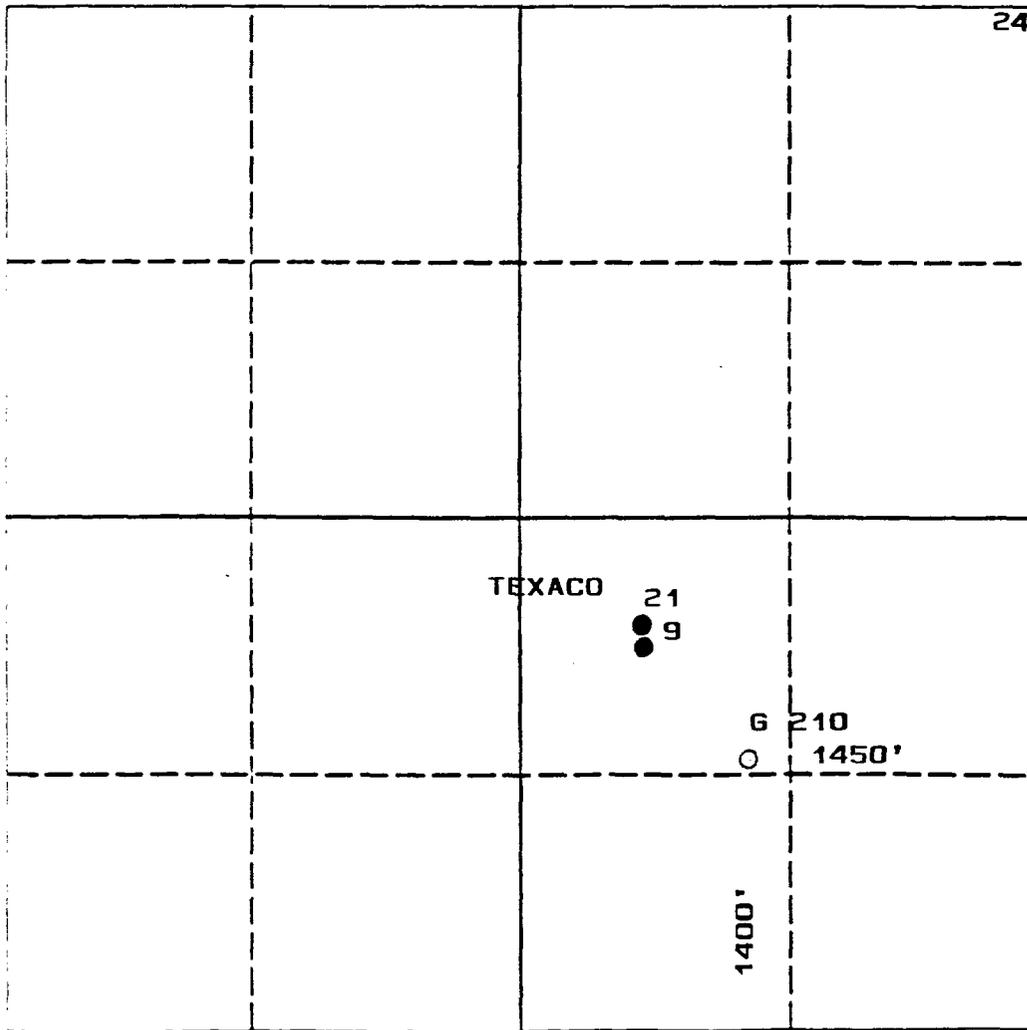
All Distances must be from the outer boundaries of the section

Operator	ARCO OIL AND GAS COMPANY			Lease	South Justis Unit "G"	Well No.	210
Section	24	Township	25 S	Range	37 E	County	Lea

Actual Footage Location of Well:
 1400 feet from the South line and 1450 feet from the East line
 Ground level Elev. 3062' Producing Formation Blinbry - Tubb - Drinkard Pool Justis Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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.)
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OPERATOR CERTIFICATION
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
 Ken W. Gosnell
 Signature
 Ken W. Gosnell
 Printed Name
 Reg. Coord.
 Position
 ARCO Oil and Gas Co.
 Company
 12-7-92
 Date

SURVEYOR CERTIFICATION
 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.
 Date Surveyed
 Nov. 23, 1992
 Signature & Seal of Professional Surveyor
 [Signature]
 Certificate No. 548

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Submit to Appropriate
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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

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

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

DISTRICT III
1500 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: **South Justis Unit "D"** Well No.: **232**

Section: **A** Township: **26** Range: **25 S** County: **37 E** State: **NM** Lea

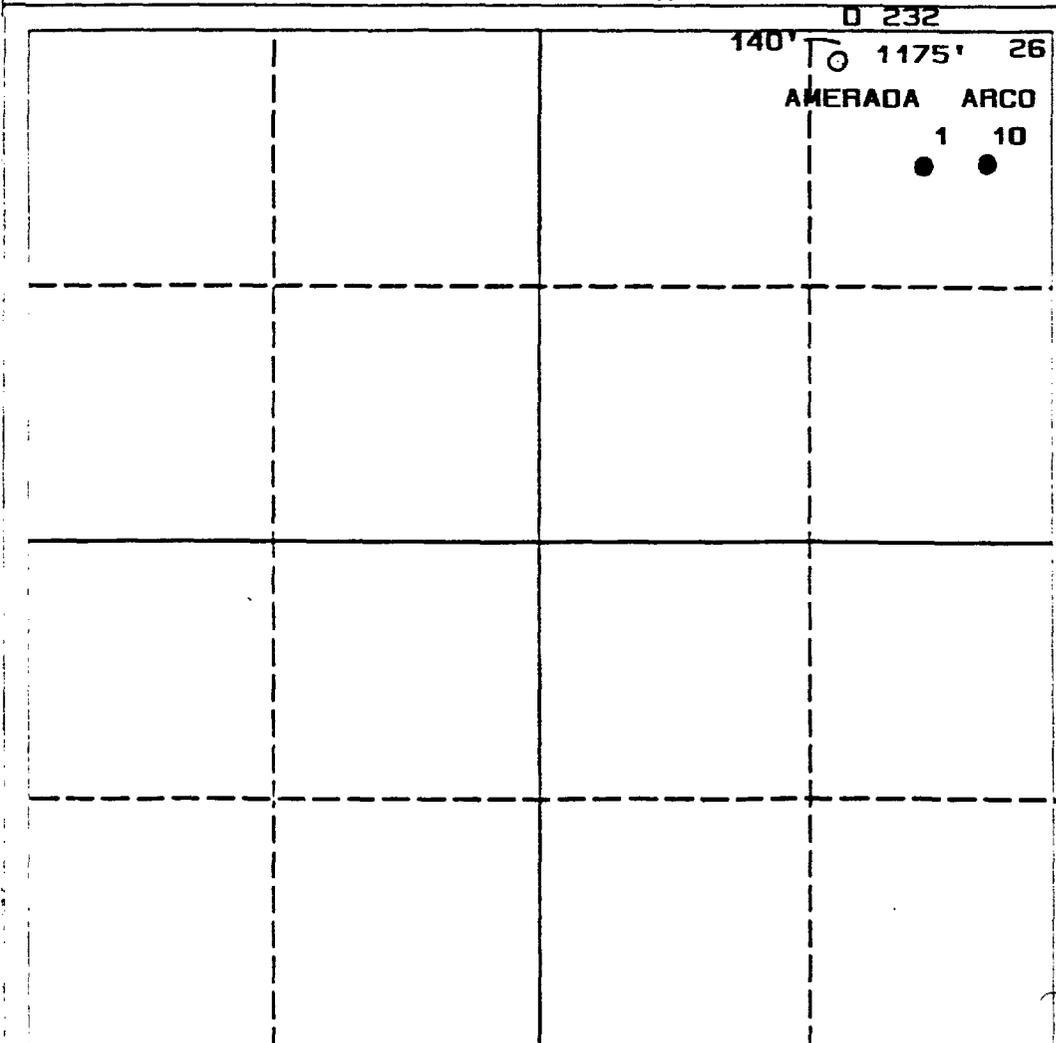
Actual Footage Location of Well:
140 feet from the **North** line and **1175** feet from the **East** line

Ground level Elev.: **3070'** Producing Formation: **Blinebry - 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 _____

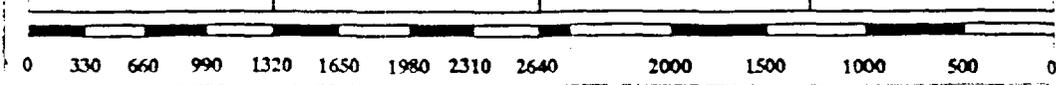
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-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.
Ken W. Gosnell
Signature
Ken W. Gosnell
Printed Name
Req. Coord.
Position
ARCO Oil and Gas Co.
Company
12-7-92
Date

SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.
Date Surveyed
Nov. 24, 1992
Signature & Seal of Professional Surveyor
[Signature]
Certificate No.
648



Submit to Appropriate
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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
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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
1600 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

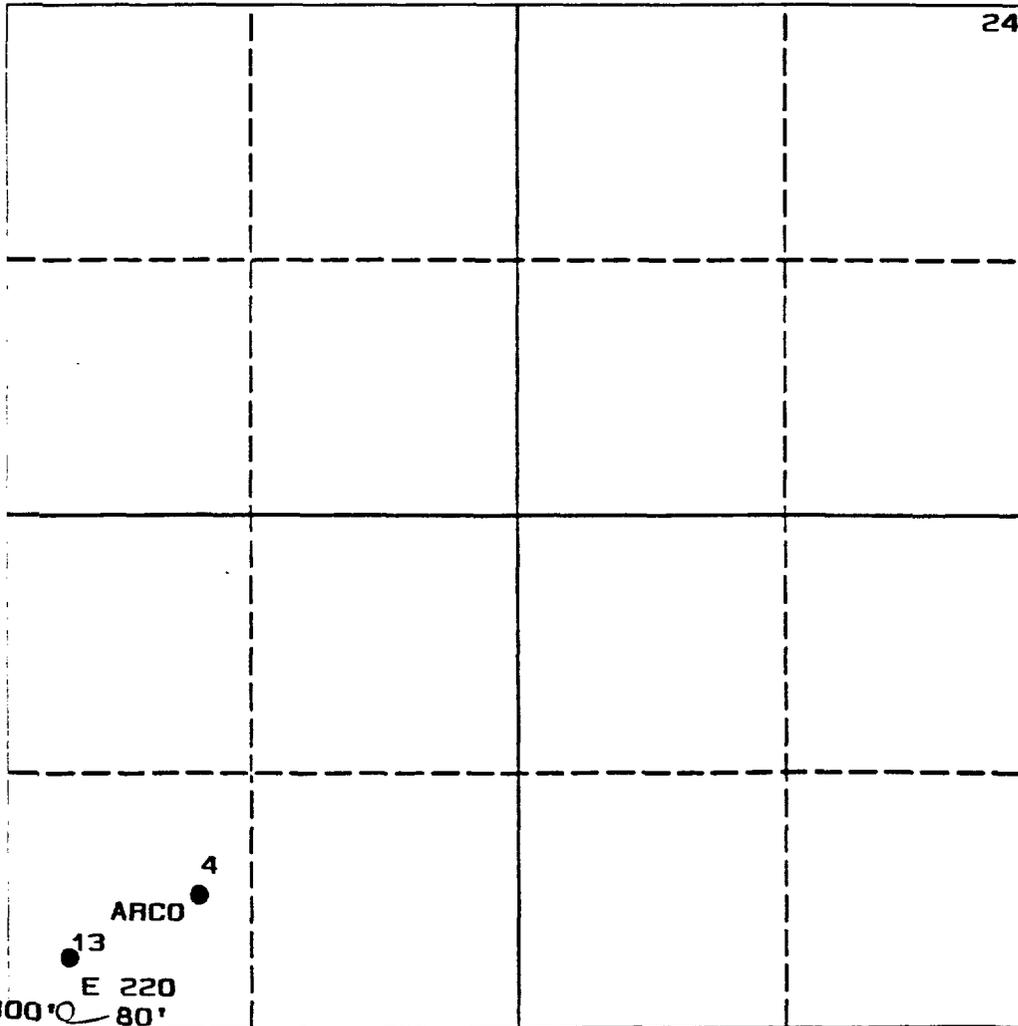
Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "E"		Well No. 220
Section Letter M	Section 24	Township 25 S	Range 37 E	County MPM Lea

Actual Footage Location of Well:
80 feet from the **South** line and **300** feet from the **West** line
 Ground level Elev. **3069'** Producing Formation **Blinebry - Tubb - Drinkard** Pool **Justis** Dedicated Acreage: **40** Acres

- Outline the acreage dedicated to the subject well by colored pencil or nacre 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.)

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OPERATOR CERTIFICATION

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

Ken W. Gosnell
Signature

Ken W. Gosnell
Printed Name

Reg. Coord.
Position

ARCO Oil and Gas Co.
Company

12-7-92
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Nov. 23, 1992

Signature & Seal of
Professional Surveyor

Henry D. ...
Certificate No.

648

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State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-102
 Revised 1-1-89

OIL CONSERVATION DIVISION

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 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

WELL LOCATION AND ACREAGE DEDICATION PLAT
 All Distances must be from the outer boundaries of the section

Operator	Lease			Well No.
ARCO OIL AND GAS COMPANY	South Justis Unit "E"			222
Unit Letter	Section	Township	Range	County
M	24	25 S	37 E	NMPM
				Lea

Actual Footage Location of Well:
 1310 feet from the South line and 1310 feet from the West line

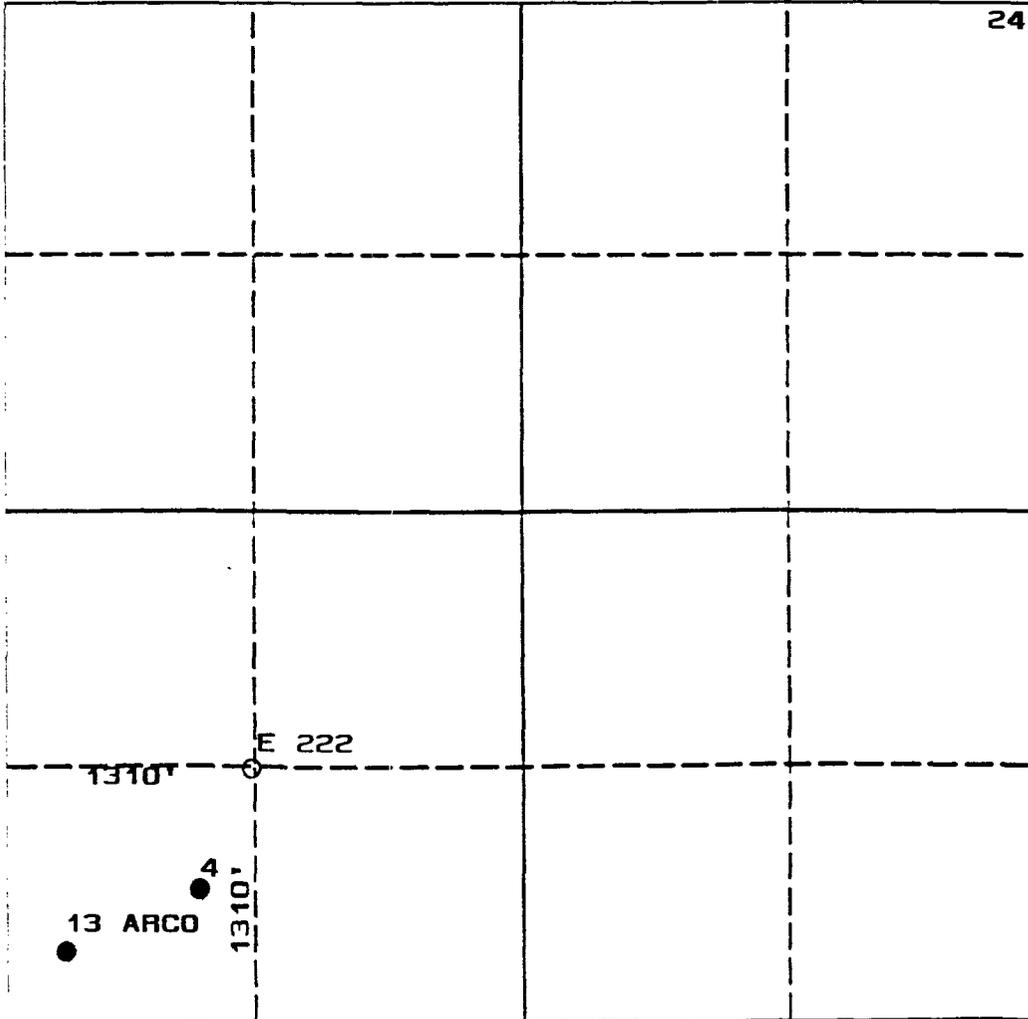
Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:
3072'	Blinebry - Tubb - Drinkard	Justis	40 Acres

- 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, forced-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.

Ken W. Gosnell
 Signature

Ken W. Gosnell
 Printed Name

Req. Coord.
 Position

ARCO Oil and Gas Co.
 Company

12-7-92
 Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
 Nov. 23, 1992

Signature & Seal of Professional Surveyor
Ken W. Gosnell

Certificate No.
 648

ARCO Oil and Gas Company 
Western District
600 N. Marienthal
Midland, Texas 79701
Post Office Box 1210
Midland, Texas 79701
Telephone 915-688-5710

OIL CONSERVATION DIVISION
RECEIVED

DEC 07 1992 10 052

December 7, 1992

State of New Mexico
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504-2088

Attn: Michael E. Stogner

Re: Relocation of Unorthodox locations

Dear Sir:

As provided by Order No.R-9747, page 6, paragraph 10, ARCO is requesting approval of the following relocated wells:

<u>Well Name</u>	<u>Location</u>	<u>Unit</u>	<u>S-T-R</u>
SJU tract C #190	200 FNL & 2350 FEL	B	23-25S-37E
SJU tract E #190	200 FNL & 150 FWL	D	24-25S-37E
SJU tract F #190	160 FNL & 1330 FWL	C	24-25S-37E
SJU tract F #192	1200 FNL & 1560 FWL	C	24-25S-37E
SJU tract G #190	1090 FNL & 2455 FEL	B	24-25S-37E
SJU tract C #192	1275 FNL & 2350 FEL	B	23-25S-37E
SJU tract D #202	2500 FNL & 1000 FEL	H	23-25S-37E
SJU tract D #210	1370 FSL & 1050 FEL	I	23-25S-37E
SJU tract F #210	1350 FSL & 2300 FWL	K	24-25S-37E
SJU tract G #210	1400 FSL & 1450 FEL	J	24-25S-37E
SJU tract D #232	140 FNL & 1175 FEL	A	26-25S-37E
SJU tract E #220	80 FSL & 300 FWL	M	24-25S-37E
SJU tract E #222	1310 FSL & 1310 FWL	M	24-25S-37E

All of these wells are more than 330 ft from unit boundary line and not less than 10 ft from any quarter quarter line.

Your attention in this matter will be appreciated.

Sincerely,


Ken W. Gosnell
Regulatory Coordinator
915-688-5672

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

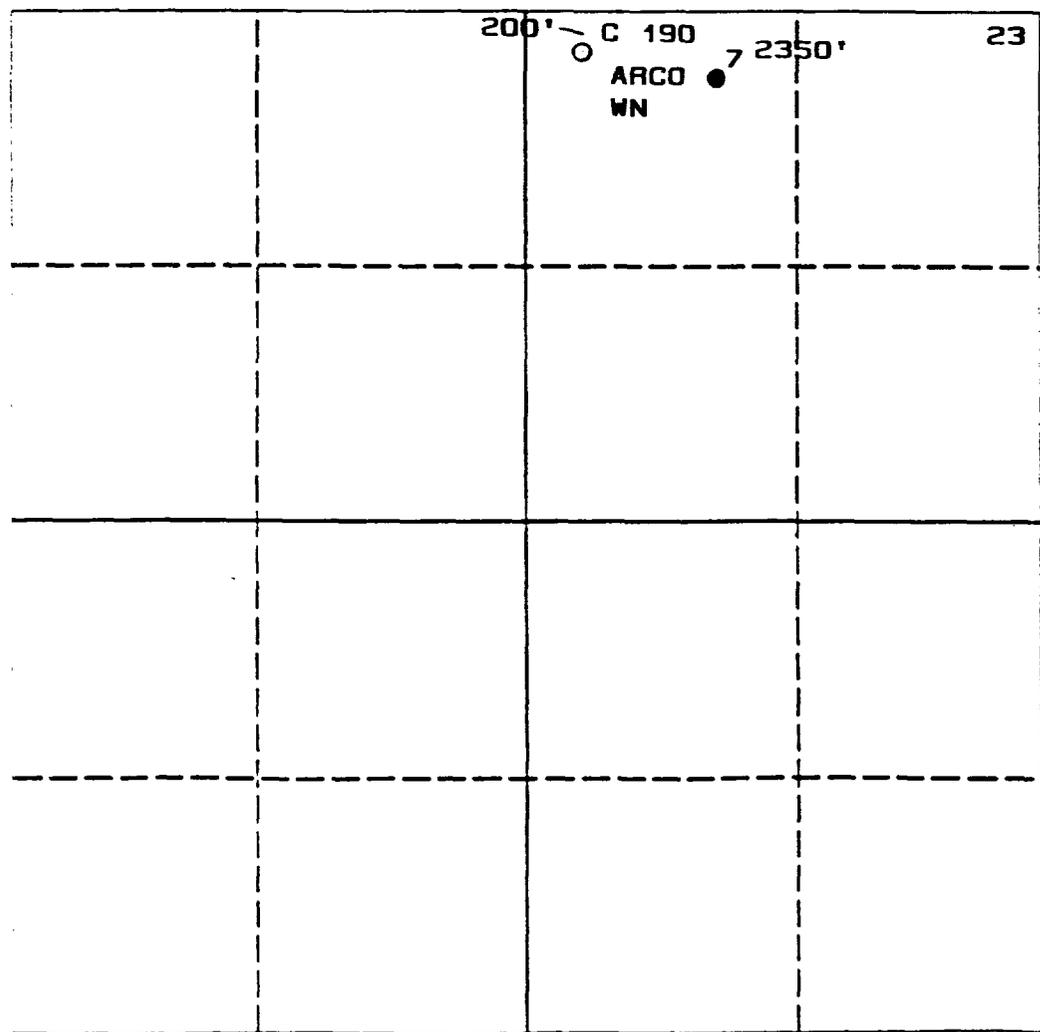
Operator	Lease	Acres
ARCO OIL AND GAS COMPANY	South Justis Unit "C"	190
Well Letter	Section	Township
B	23	25 S
		Range
		37 E
		County
		NMPM Lea

Actual Footage Location of Well:

200 feet from the North line and 2350 feet from the East line

Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:
3102'	Blinebry - Tubb - Drinkard	Justis	40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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.

Ken W Gosnell
Signature

Ken W. Gosnell
Printed Name

Req. Coord.
Position

ARCO Oil and Gas Co.
Company

12-7-92
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Nov. 2, 1992

Signature & Seal of
Professional Surveyor

[Signature]
Certificate No. 648

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT
 All Distances must be from the outer boundaries of the section

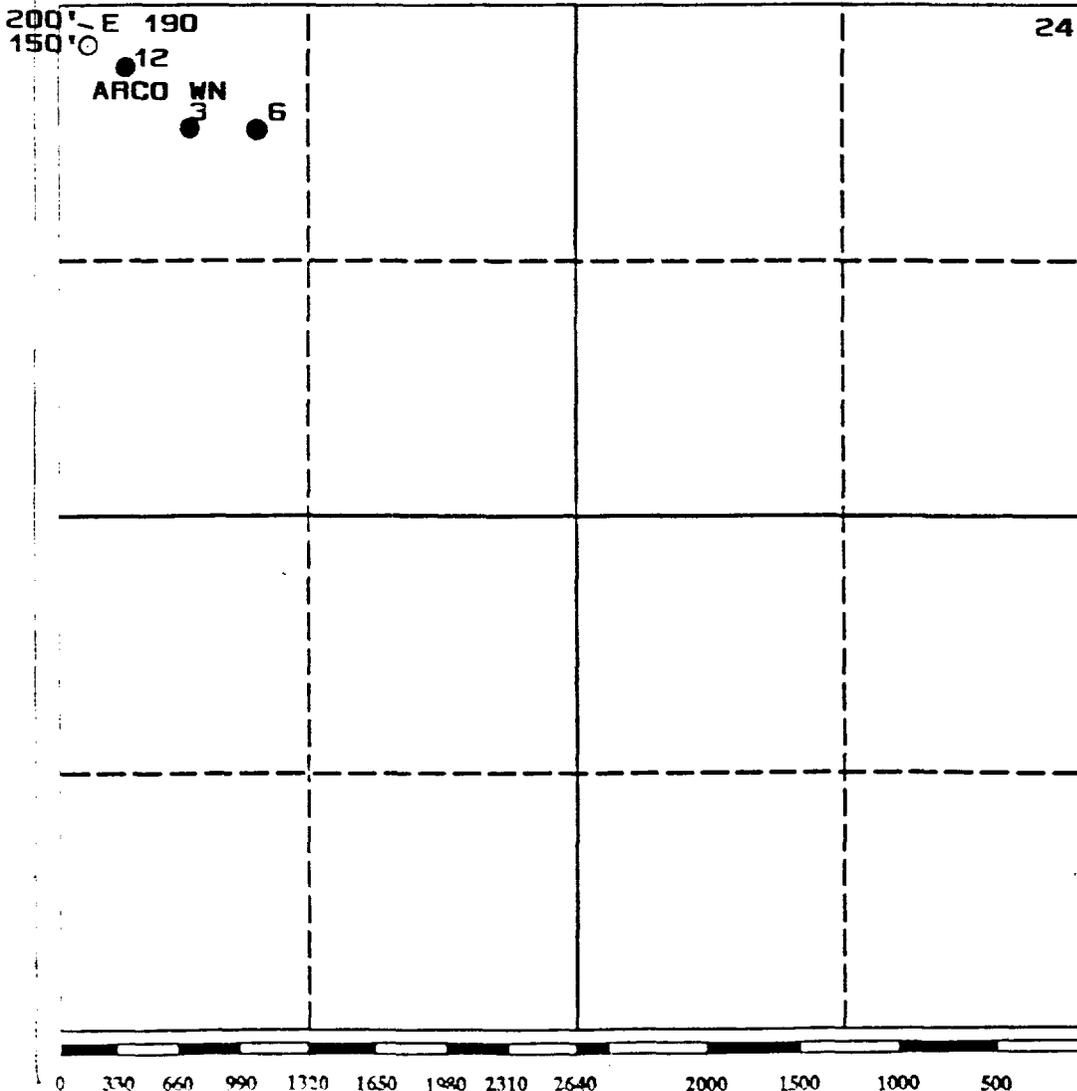
Operator	Lease			Well No.
ARCO OIL AND GAS COMPANY	South Justis Unit "E"			190
Unit Letter	Section	Township	Range	County
D	24	25 S	37 E	NMPM Lea
Actual Footage Location of Well:				
200	feet from the	North	line and	150
				feet from the West line
Ground level Elev.	Producing Formation		Pool	Dedicated Acreage:
3090'	Blinebry - Tubb - Drinkard		Justis	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.) _____

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OPERATOR CERTIFICATION

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

Ken W. Gosnell
 Signature

Ken W. Gosnell
 Printed Name

Reg. Coord.
 Position

ARCO Oil and Gas Co.
 Company

12-7-92
 Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
 Nov. 2, 1992

Signature & Seal of Professional Surveyor
[Signature]

Certificate No.
 648

Submit to Appropriate District Office
 State Lease - 4 copies
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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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY			Lease South Justis Unit "F"		Well No. 190
Section Letter C	Section 24	Township 25 S	Range 37 E	County NMPM Lea	

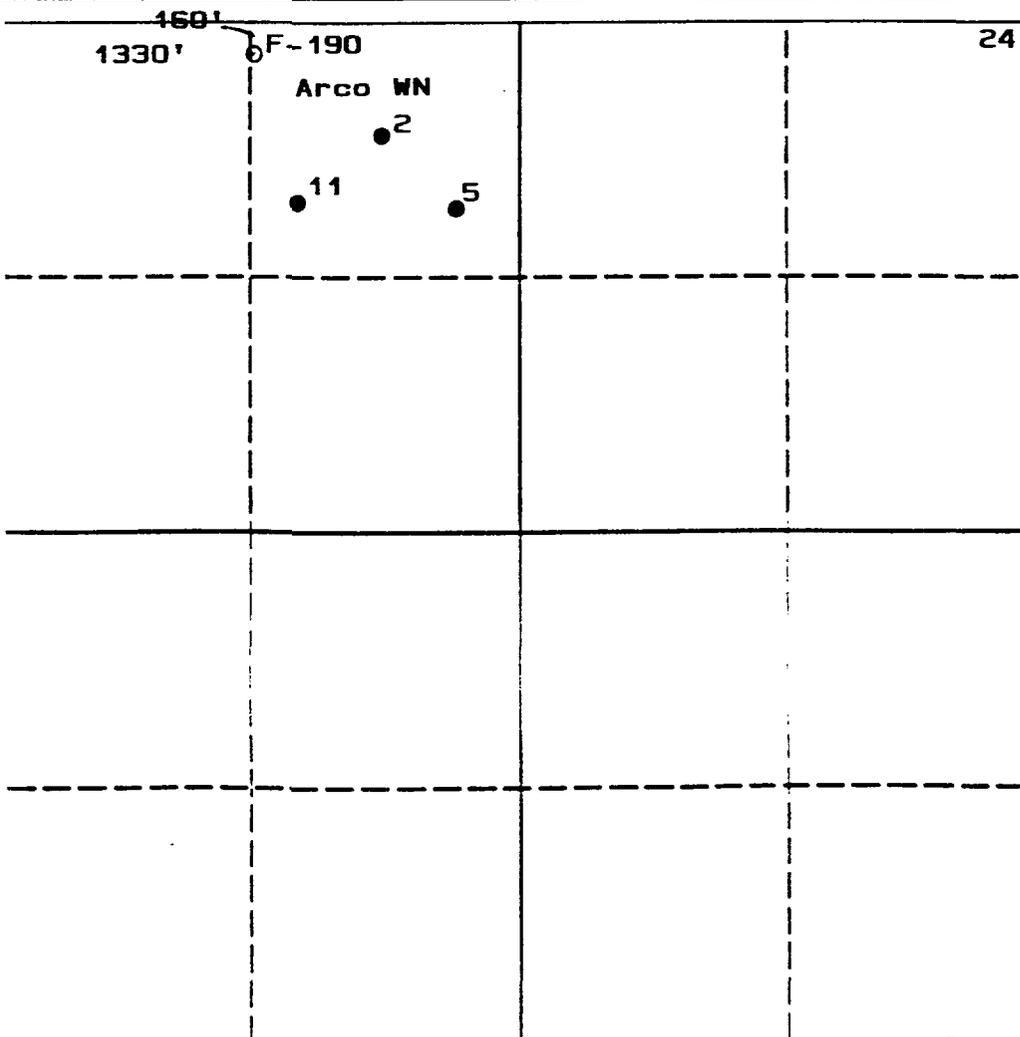
Actual Footage Location of Well:
160 feet from the **North** line and **1330** feet from the **West** line

Ground level Elev. 3083'	Producing Formation Blinebry - 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.)

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OPERATOR CERTIFICATION

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

Ken W. Gosnell

Signature

Ken W. Gosnell

Printed Name

Reg. Coord.

Position

ARCO Oil and Gas Co.

Company

12-7-92

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Nov. 11, 1992

Signature & Seal of Professional Surveyor

Jim Saunders

Certificate No.

648

Submit to Appropriate District Office
 State Lease - 4 copies
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State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-102
 Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
 P.O. Box 1960, Hobbs, NM 88240

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

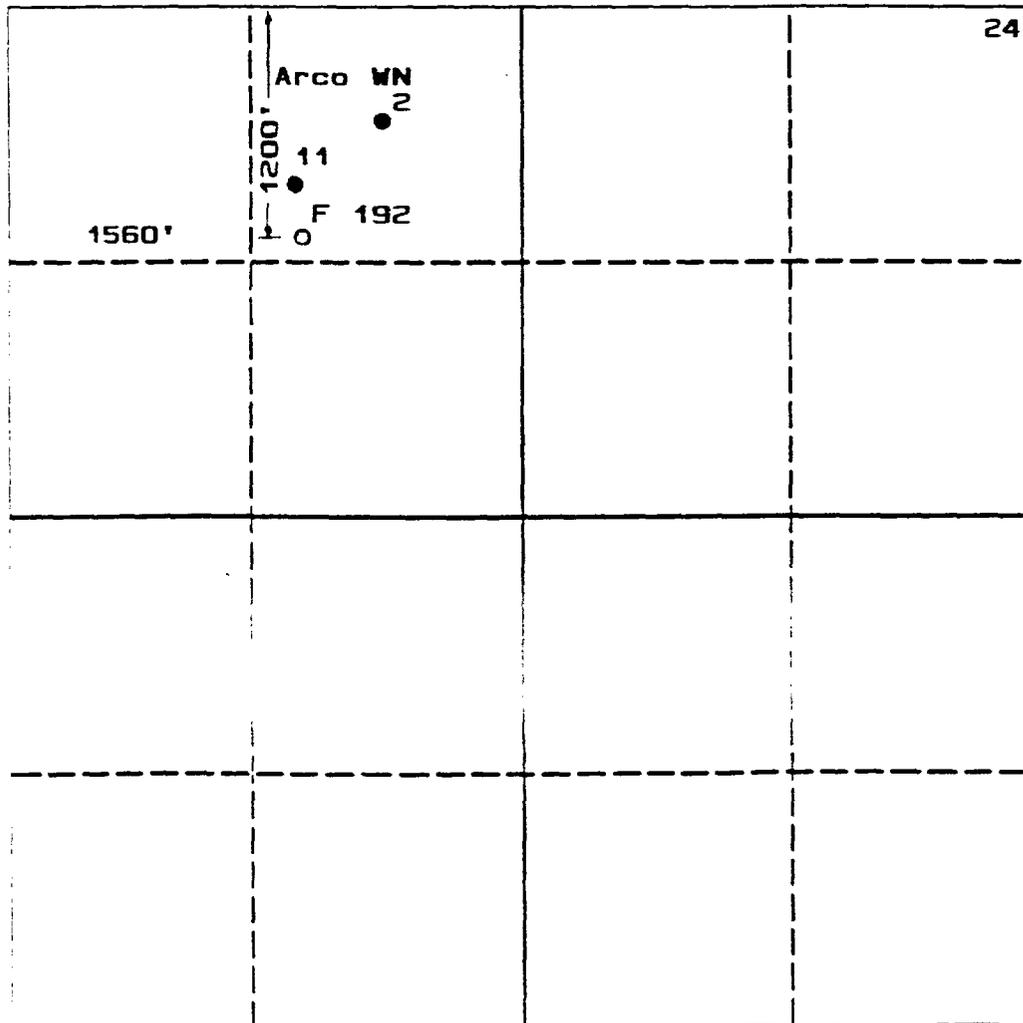
DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator		Lease		Well No.	
ARCO OIL AND GAS COMPANY		South Justis Unit "F"		192	
Unit Letter	Section	Township	Range	County	
C	24	25 S	37 E	NMPM Lea	
Actual Footage Location of Well:					
1200 feet from the North line and		1560 feet from the West line			
Ground level Elev.	Producing Formation		Pool	Dedicated Acreage:	
3078'	Blinebry - Tubb - Drinkard		Justis	40 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unization, force-pooling, etc.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)</p> <p>No allowable will be assigned to the well until all interests have been consolidated (by communitization, unization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>					



OPERATOR CERTIFICATION

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

Ken W. Gosnell
 Signature

Ken W. Gosnell
 Printed Name

Reg. Coord
 Position

ARCO Oil and Gas Co.
 Company

12-7-92
 Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
 Nov. 11, 1992

Signature & Seal of Professional Surveyor
[Signature]

Certificate No.
 648

Submit to Appropriate District Office
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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

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

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

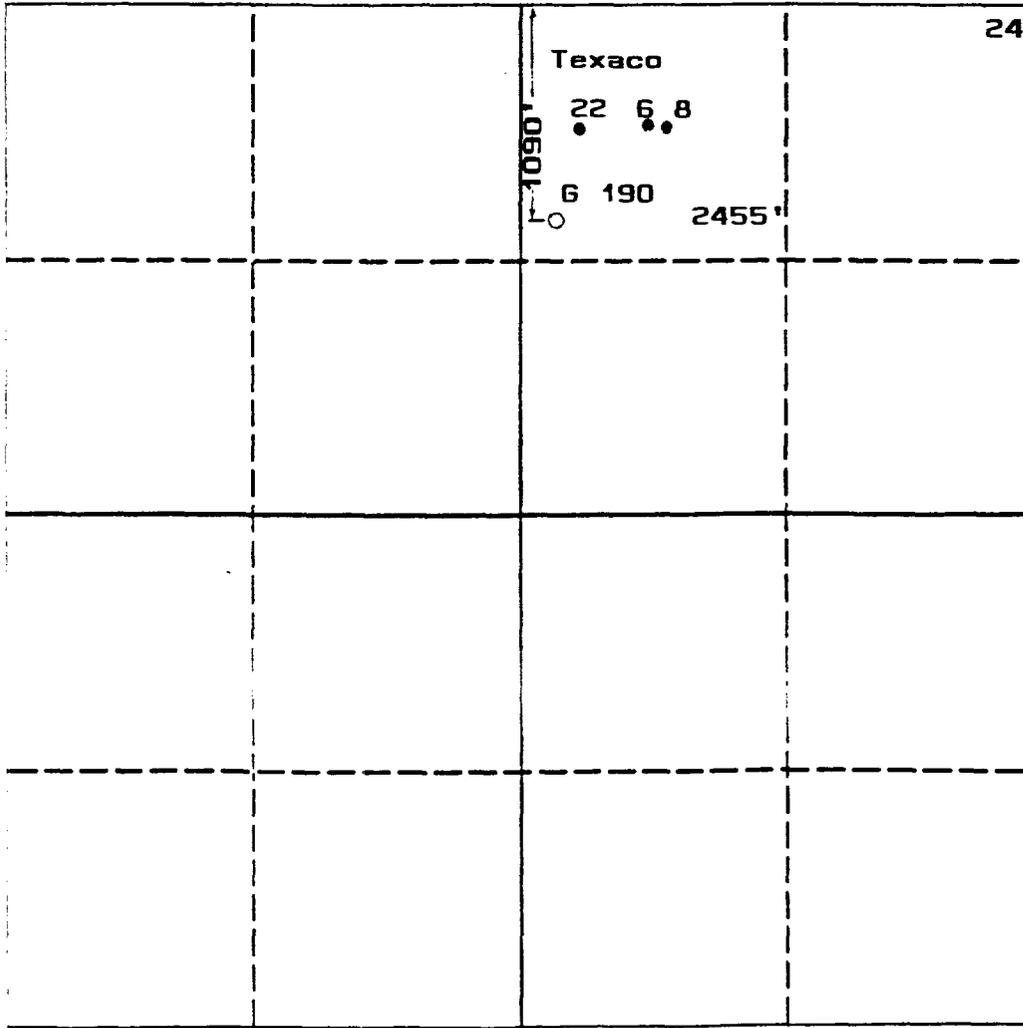
DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "G"		Well No. 190
Unit Letter B	Section 24	Township 25 S	Range 37 E	County NMPM Lea
Actual Footage Location of Well: 1090 feet from the North line and 2455 feet from the East line				
Ground level Elev. 3077'	Producing Formation Blinebry - 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 _____
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OPERATOR CERTIFICATION
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Ken W. Gosnell
 Signature

Ken W. Gosnell
 Printed Name

Reg. Coord.
 Position

ARCO Oil and Gas Co.
 Company

12-7-92
 Date

SURVEYOR CERTIFICATION
 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Nov. 11, 1992

Guy Saunders
 Signature & Seal of Professional Surveyor

Certificate No. **648**

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

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

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

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

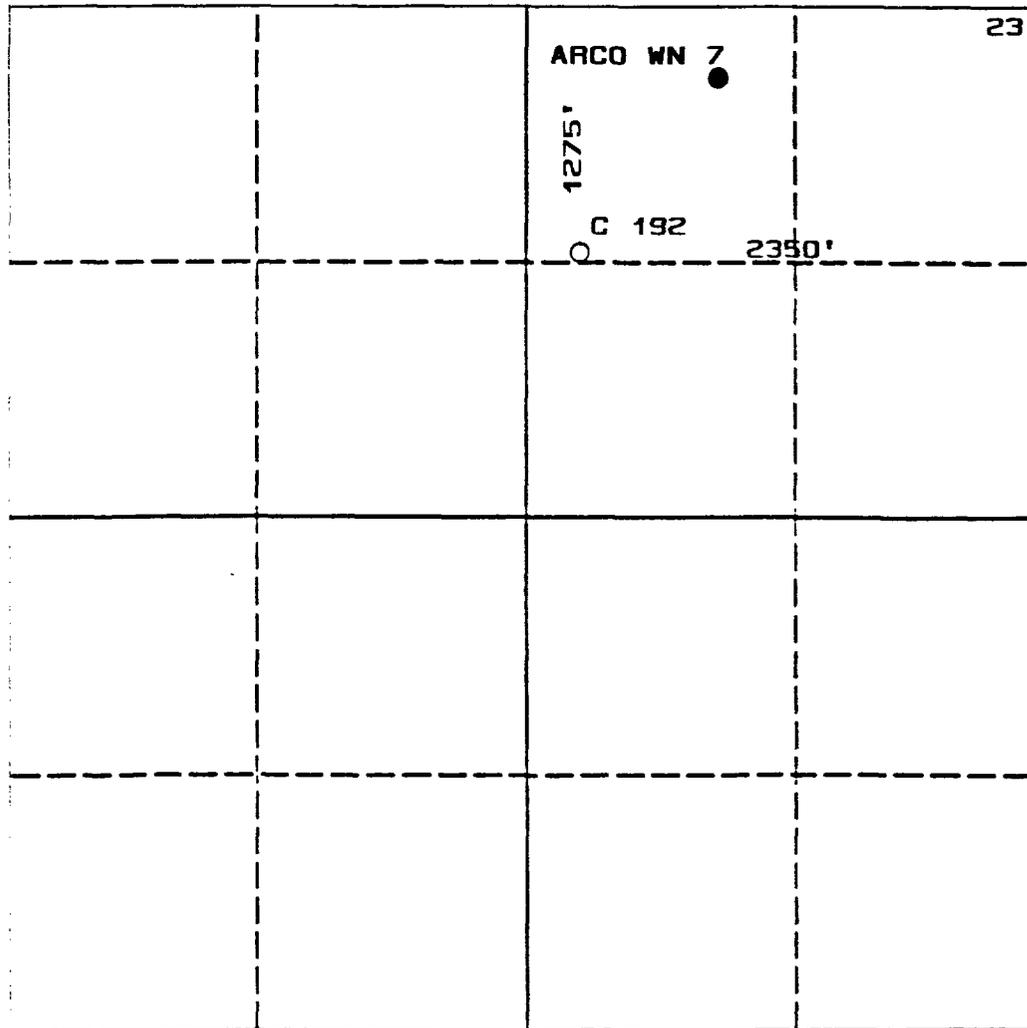
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "C"		Well No. 192
Unit Letter B	Section 23	Township 25 S	Range 37 E	County Lea
Actual Footage Location of Well: 1275 feet from the North line and 2350 feet from the East line				
Ground level Elev. 3087'	Producing Formation Blinebry - 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 _____
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OPERATOR CERTIFICATION

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

Ken W. Gosnell
Signature

Ken W. Gosnell
Printed Name

Reg. Coord.
Position

ARCO Oil and Gas Co.
Company

12-7-92
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Nov. 16, 1992

Signature & Seal of Professional Surveyor

Tom [Signature]
Certificate No.

648

OIL CONSERVATION DIVISION

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

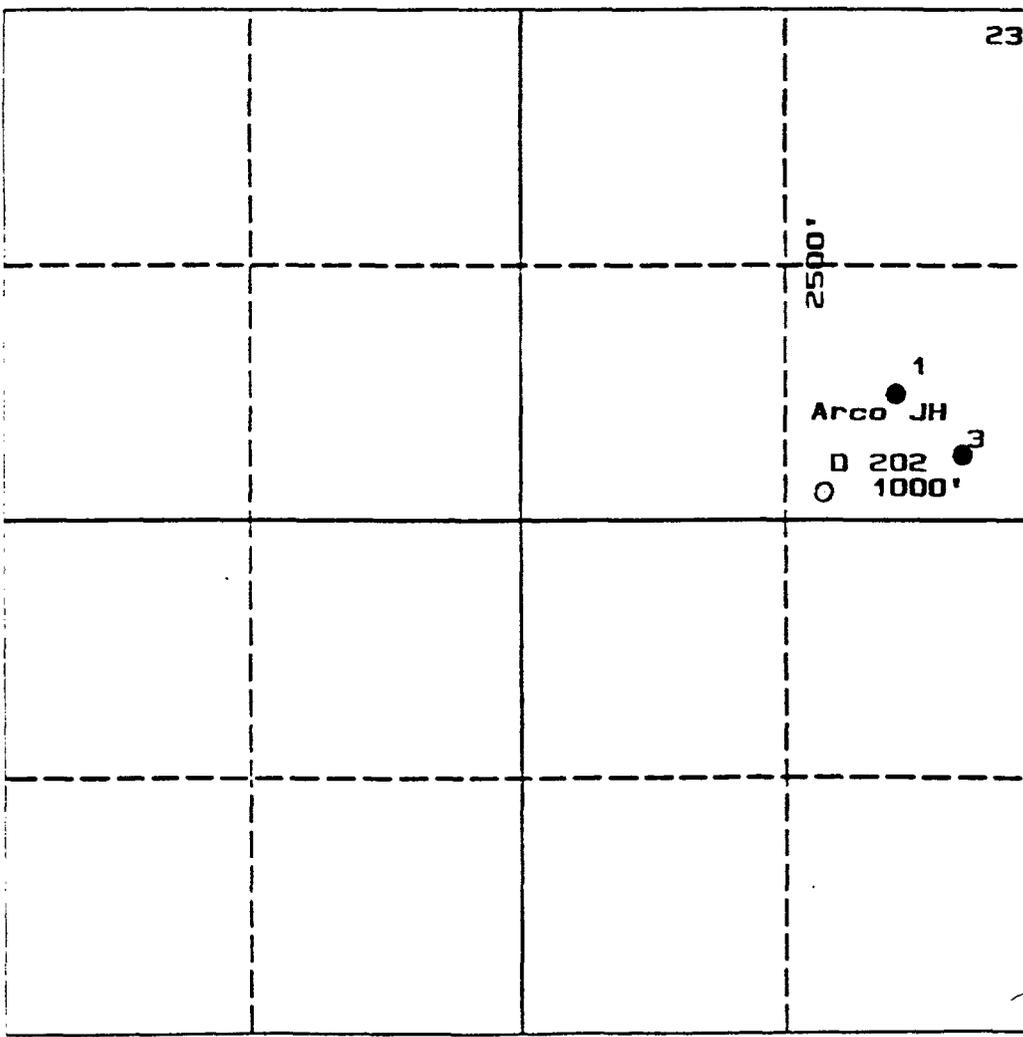
Operator ARCO OIL AND GAS COMPANY Lease South Justis Unit "D" Well No. 202

Section H Section 23 Township 25 S Range 37 E County SMPM Lea

Actual Footage Location of Well:
2500 feet from the North line and 1000 feet from the East line

Ground level Elev. 3086' Producing Formation Blinebry - 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). _____
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OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
Ken W. Gosnell
Signature
Ken W. Gosnell
Printed Name
Reg. Coord.
Position
ARCO Oil and Gas Co.
Company
12-7-92
Date

SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed Nov. 23, 1992
Signature & Seal of Professional Surveyor
Tom Saunders
Certificate No. 648

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

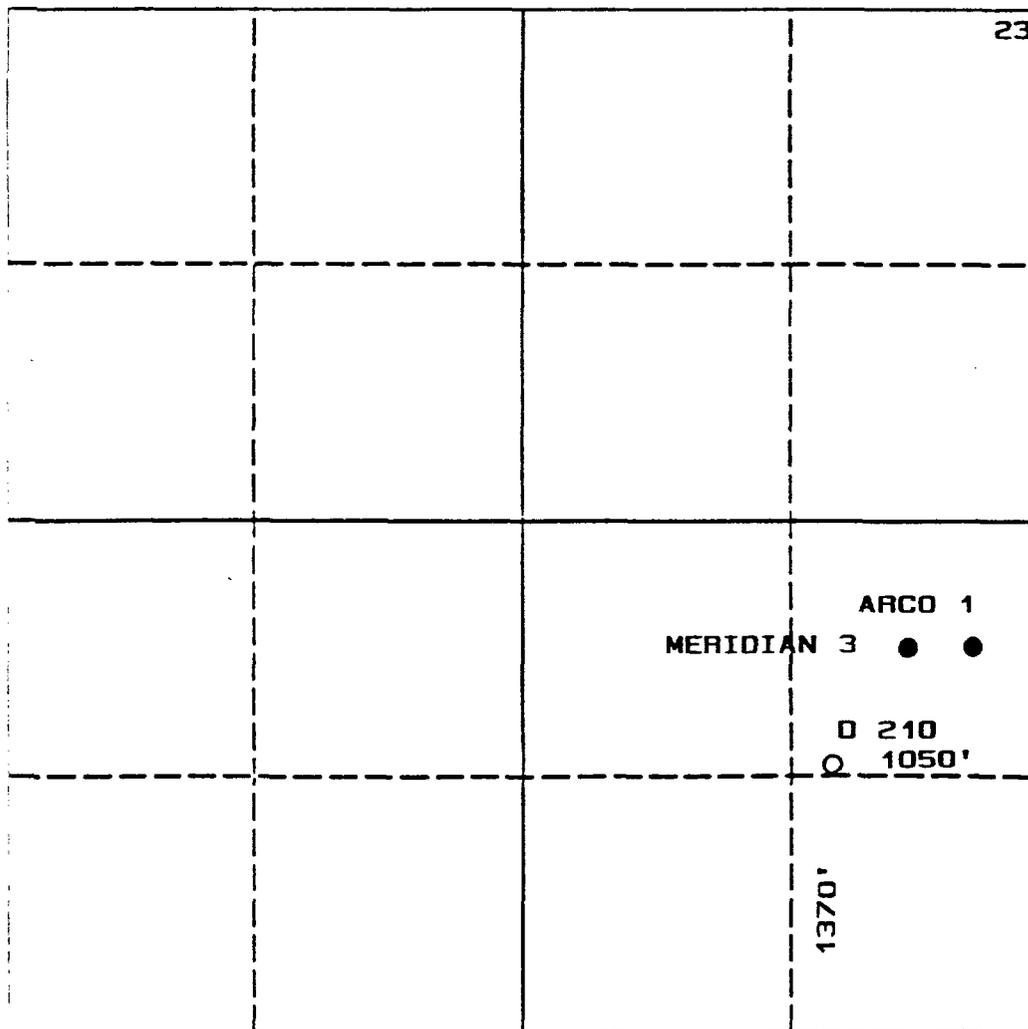
Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "D"		Well No 210
Unit Letter I	Section 23	Township 25 S	Range 37 E	County Lea
Actual Footage Location of Well: 1370 feet from the South line and 1050 feet from the East line				
Ground level Elev. 3081'	Producing Formation Blinebry - Tubb - Drinkard		Pool Justis	Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
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- 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 _____

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OPERATOR CERTIFICATION

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

Ken W. Gosnell

Signature
Ken W. Gosnell

Printed Name

Req. Coord.

Position
ARCO Oil and Gas Co.

Company

12-7-92

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Nov. 16, 1992

Signature & Seal of Professional Surveyor

Greg S. [Signature]

Certificate No.
648

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

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

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

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

DISTRICT III
 1500 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

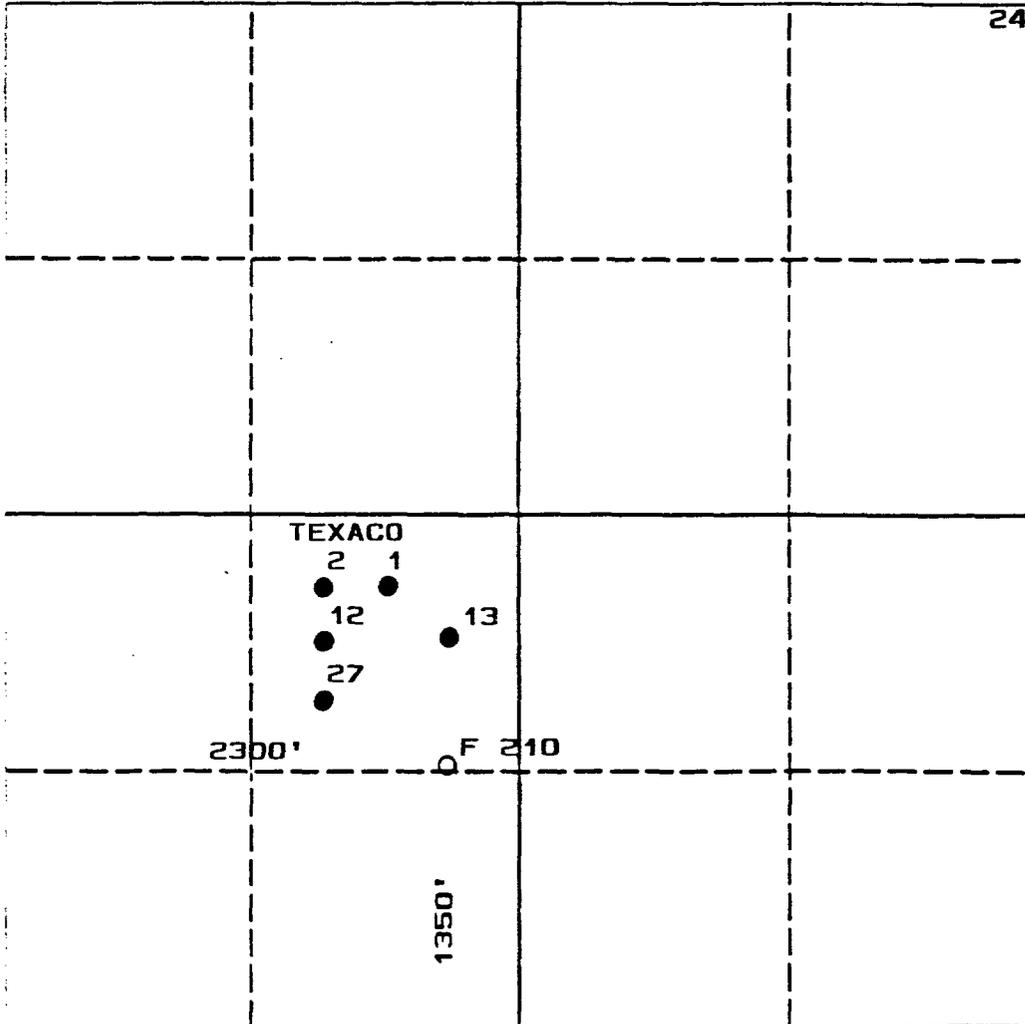
Operator ARCO OIL AND GAS COMPANY				Lease South Justis Unit "F"	Well No. 210
Unit Letter K	Section 24	Township 25 S	Range 37 E	County Lea	
Actual Footage Location of Well: 1350 feet from the South line and 2300 feet from the West line					
Ground level Elev. 3071'	Producing Formation Blinebry - Tubb - 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.
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- 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.)

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OPERATOR CERTIFICATION

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

Ken W. Gosnell
 Signature
 Ken W. Gosnell
 Printed Name
 Reg. Coord.
 Position
 ARCO Oil and Gas Co.
 Company
 12-7-92
 Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Nov. 17, 1992
 Signature & Seal of Professional Surveyor
[Signature]
 Certificate No.
648

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

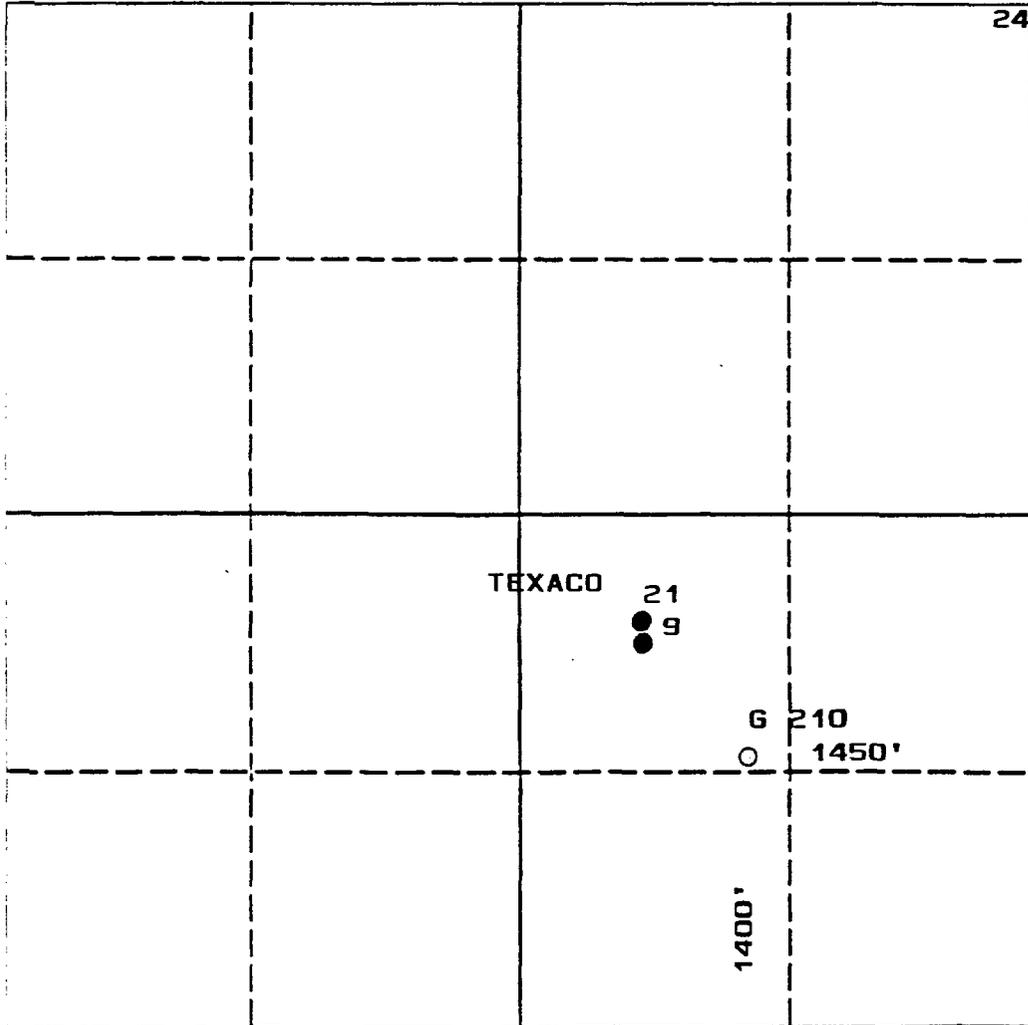
Operator **ARCO OIL AND GAS COMPANY** Lease **South Justis Unit "G"** Well No. **210**

Section **24** Township **25 S** Range **37 E** County **SMPM** Lea

Actual Footage Location of Well:
1400 feet from the **South** line and **1450** feet from the **East** line

Ground level Elev. **3062'** Producing Formation **Blinebry - 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, forced-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.
Ken W. Gosnell
 Signature
 Ken W. Gosnell
 Printed Name
 Reg. Coord.
 Position
 ARCO Oil and Gas Co.
 Company
 12-7-92
 Date

SURVEYOR CERTIFICATION
 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.
 Date Surveyed **Nov. 23, 1992**
 Signature & Seal of Professional Surveyor
Ken W. Gosnell
 Certificate No. **648**

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT
 All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
ARCO OIL AND GAS COMPANY	South Justis Unit "D"	232
Unit Letter	Section	Township
A	26	25 S
		Range
		37 E
		County
		SMPM
		Lea

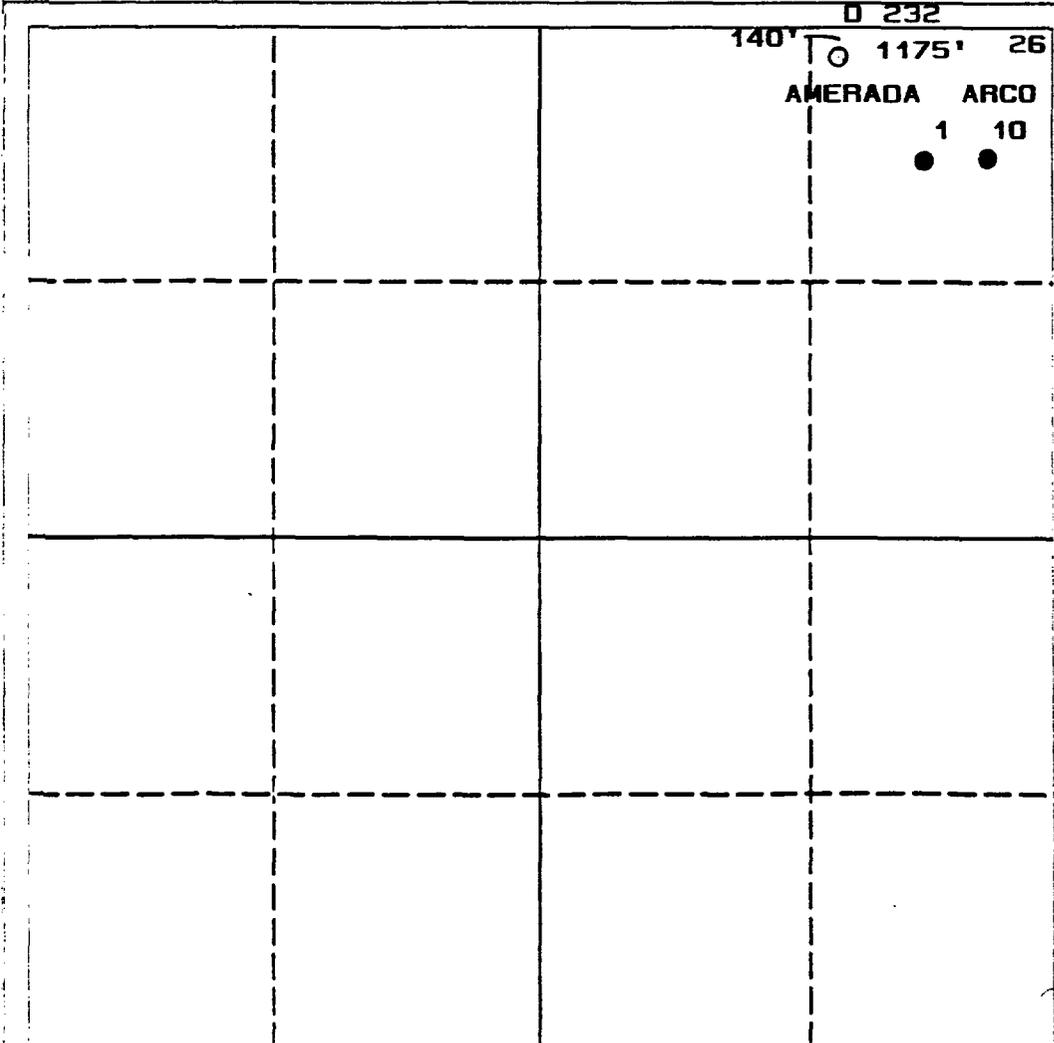
Actual Footage Location of Well:
 140 feet from the North line and 1175 feet from the East line

Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:
3070'	Blinebry - Tubb - Drinkard	Justis	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, forced-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.

Ken W. Gosnell
 Signature
 Ken W. Gosnell
 Printed Name
 Reg. Coord.
 Position
 ARCO Oil and Gas Co.
 Company
 12-7-92
 Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
 Nov. 24, 1992

Signature & Seal of Professional Surveyor
[Signature]
 Certificate No. 648

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

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-102
 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 LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
ARCO OIL AND GAS COMPANY	South Justis Unit "E"	220
Section	Range	County
M 24	25 S 37 E	SMPM Lea

Actual Footage Location of Well:

80 feet from the South line and 300 feet from the West line

Ground level Elev. 3069'

Producing Formation: Blinebry - Tubb - Drinkard

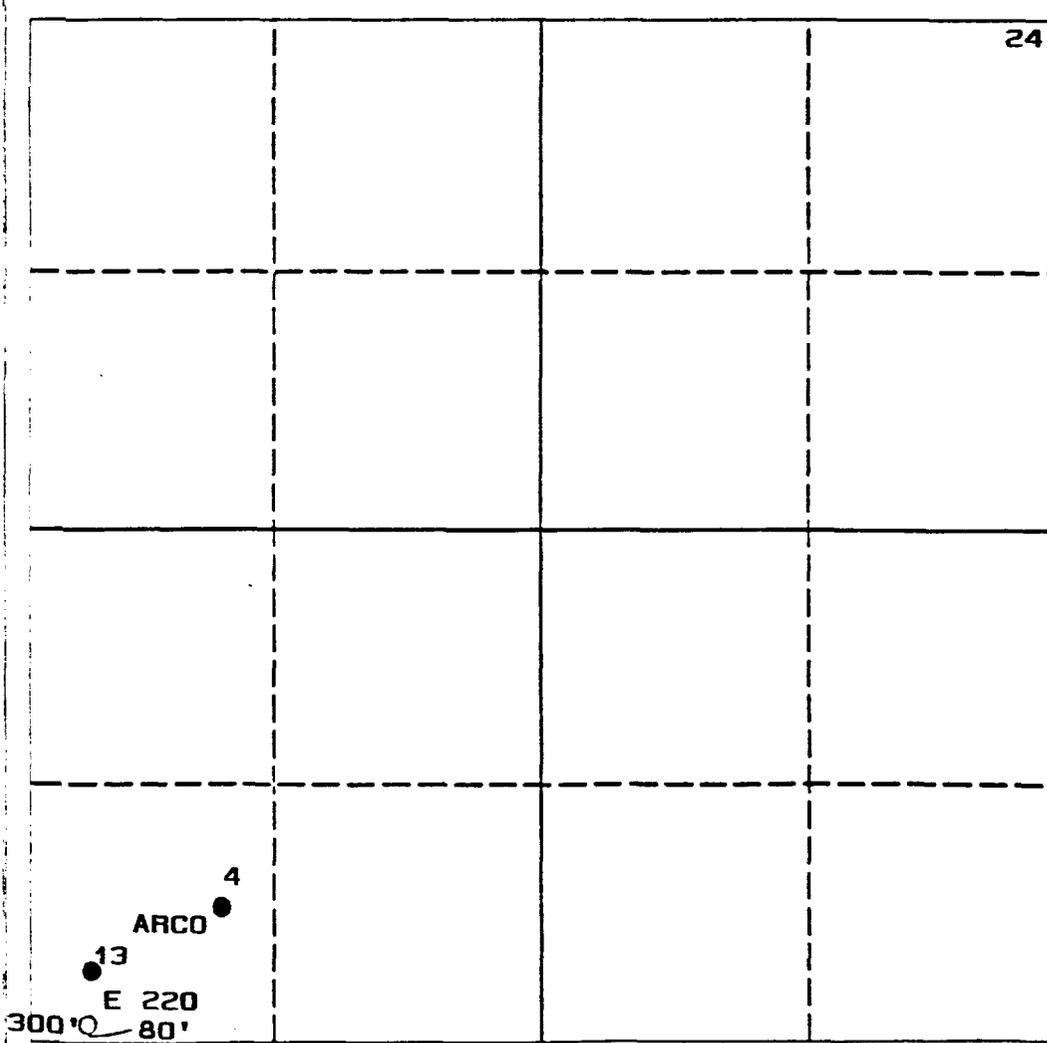
Pool: Justis

Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or nature 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, forced-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.

Ken W. Gosnell
 Signature

Ken W. Gosnell
 Printed Name

Reg. Coord.
 Position

ARCO Oil and Gas Co.
 Company

12-7-92
 Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
 Nov. 23, 1992

Signature & Seal of Professional Surveyor
[Signature]

Certificate No. 648

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

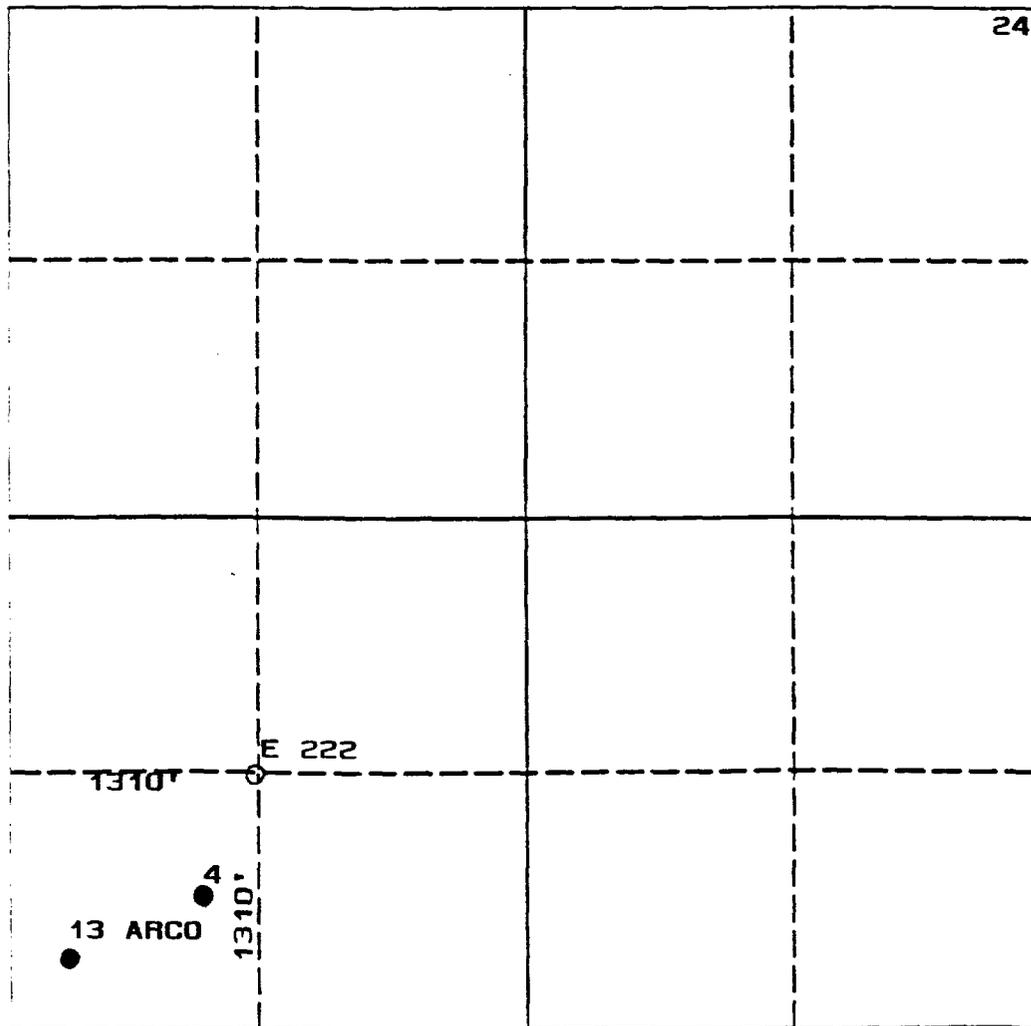
All Distances must be from the outer boundaries of the section

Operator ARCO OIL AND GAS COMPANY		Lease South Justis Unit "E"		Well No. 222
Unit Letter M	Section 24	Township 25 S	Range 37 E	County NMPM Lea
Actual Footage Location of Well: 1310 feet from the South line and 1310 feet from the West line				
Ground level Elev. 3072'	Producing Formation Blinebry - Tubb - Drinkard	Pool Justis	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, forced-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.

Ken W. Gosnell

Signature

Ken W. Gosnell

Printed Name

Reg. Coord.

Position

ARCO Oil and Gas Co.

Company

12-7-92

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Nov. 23, 1992

Signature & Seal of Professional Surveyor

Gene Louder

Certificate No.

648



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

October 26, 1992

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

ARCO Oil and Gas Company
P.O. Box 1610
Midland, TX 79702

Attention: Ken W. Gosnell

RE: Unorthodox gas well location, Learcy McBuffington Well No. 16; 1150 feet from the South line and 2250 feet from the West line, Unit N, Section 13, Township 25 South, Range 37 East, Lea County, New Mexico.

Dear Mr. Gosnell:

It would appear that the proposed location for the subject well in your application dated September 16, 1992 was approved by Division Order No. R-9747, issued in Case 10554 and dated October 23, 1992, as the South Justis Unit Tract F Well No. 182 (see copy attached).

I am therefore returning your application since it appears that it is unnecessary.

Should you have any questions or comments, please contact me. Thank you for your cooperation.

Sincerely,

Michael E. Stogner
Chief Hearing Officer/Engineer

MES/amg

Enclosures - Division Order No. R-9747

cc: Oil Conservation Division - Hobbs
File: Case No. 10554

ARCO Oil and Gas Company

Western District
11111 Park Street
Ogden, Texas 77459
Houston, Texas 77001
Ogden, Texas 77459
Houston, Texas 77001

OIL CONSERVATION DIVISION
RECEIVED

'92 SEP 18 AM 9 04

September 16, 1992

State of New Mexico
Department of Energy and Minerals
P. O. Box 2088
Santa Fe, NM 87504-2088

Re: Unorthodox Location
Learcy McBuffington #16
1150 FSL & 2550 FWL
13-25S-37E, Lea County

Gentlemen:

An Exception to Rule 104 C. I. by administration approval is requested for ARCO's Learcy McBuffington #16.

This well will initially be a producer, but eventually will be an injector in a proposed secondary recovery project. This location is necessary for an efficient production and injection pattern. The proposed unit already has an "Operators Unit Agreement" and is scheduled for a "Unitization Hearing" this month (September 92).

See attached Form C-102 and area map-showing offset operators, completed wells and wells to be drilled. A copy of this application has been sent to Chevron and Texaco.

Sincerely,

Ken W. Gosnell

Ken W. Gosnell
Regulatory Coordinator
915 688-5672

OIL CONSERVATION DIVISION

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

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

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

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

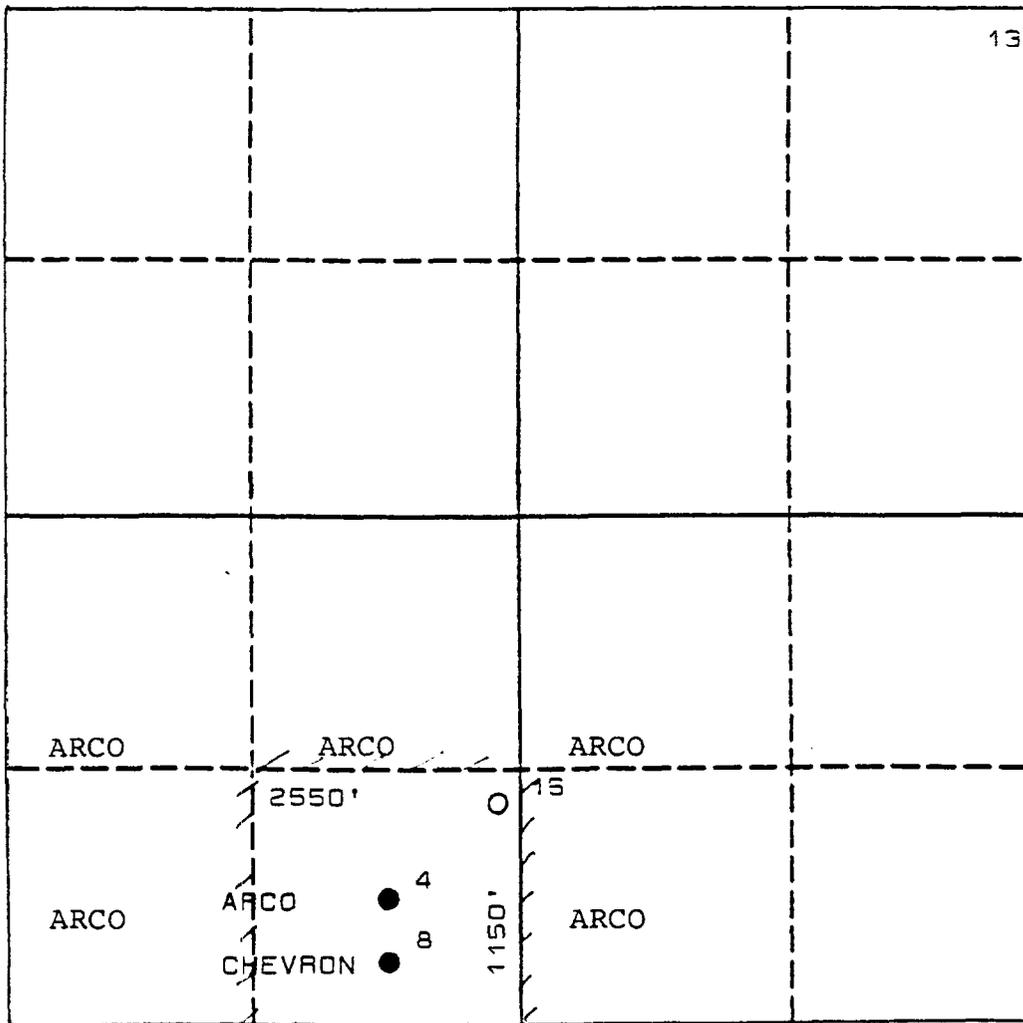
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator		Lease		Well No.	
ARCO OIL AND GAS COMPANY		Learcy Mc Suffington		16	
Unit Letter	Section	Township	Range	County	
N	13	25 S	37 E	NMPM Lea	
Actual Footage Location of Well:					
1150 feet from the South line and		2550 feet from the West line			
Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:		
3071'	Tubb Drinkard	Justis	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, forced-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
9-15-92

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
Sept. 1, 1992

Signature & Seal of Professional Surveyor
[Signature]

Certificate No.
648

CAMPBELL, CARR, BERGE

& SHERIDAN, P.A.

LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY

PATRICIA A. MATTHEWS
MICHAEL H. FELDEWERT

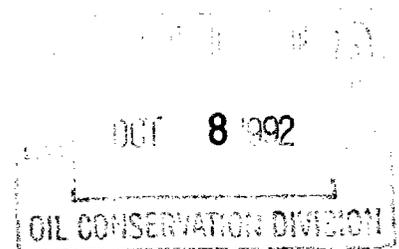
JACK M. CAMPBELL
OF COUNSEL

JEFFERSON PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
TELECOPIER (505) 983-6043

October 8, 1992

HAND-DELIVERED

Mr. David R. Catanach
Hearing Examiner
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
State Land Office Building
Santa Fe, New Mexico 87503



Re: Cases 10552, 10553 and 10554
Applications of ARCO Oil and Gas Company for Pool Creation and
Contraction, Statutory Unitization and Approval of a Waterflood Project for
the South Justis Unit, Lea County, New Mexico

Dear David:

Enclosed for your consideration is a revised description by Section, Township and Range
of the Phase I Development Area for the South Justis Unit. As you will note, I have
made minor corrections in the description of the Phase I Area for Sections 23 and 26.

Your attention to this matter is appreciated.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'William F. Carr'. The signature is written in a cursive style with a long, sweeping underline that extends to the right.

WILLIAM F. CARR
WFC:mlh

Enc.

cc w/enc.: Mr. Dick Prentice
ARCO Oil and Gas Company
Post Office Box 1610
Midland, Texas 79702

SOUTH JUSTIS UNIT
PHASE I DEVELOPMENT AREA

Township 25 South, Range 37 East, N.M.P.M.

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

Township 25 South, Range 38 East, N.M.P.M.

Section 30: W/2 NW/4 SW/4



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



POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

BRUCE KING
GOVERNOR
ANITA LOCKWOOD
CABINET SECRETARY

October 23, 1992

CAMBELL, CARR, BERGE
& SHERIDAN
Attorneys at Law
P. O. Box 2208
Santa Fe, New Mexico 87504

RE: CASE NO. 10554
ORDER NO. R-9747

Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Sincerely,

Florene Davidson
Florene Davidson
OC Staff Specialist

FD/sl

cc: BLM Carlsbad Office
Rick Brown - OCD

CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.
LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY

PATRICIA A. MATTHEWS
MICHAEL H. FELDEWERT

JACK M. CAMPBELL
OF COUNSEL

JEFFERSON PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
TELECOPIER (505) 983-6043

August 25, 1992

HAND-DELIVERED

William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
State Land Office Building
Santa Fe, New Mexico 87503

RECEIVED

AUG 25 1992

OIL CONSERVATION DIVISION

Re: In the Matter of the Application of ARCO Oil and Gas Company for Approval of
a Waterflood Project, Lea County, New Mexico

Case 10554

Dear Mr. LeMay:

Enclosed is a copy of a legal advertisement for the above-referenced waterflood project. ARCO Oil and Gas Company requests that this project be advertised along with applications for statutory unitization and for pool creation and contraction which are being filed with the Division simultaneously with this request for hearing.

Copies of ARCO's C-108 with all attachments will be filed with the Division in accordance with Rule 701. Copies of an abbreviated form C-108 have been mailed to all affected interest owners and we believe that we have fully complied with all notice requirements enabling us to go to hearing on this application by September 17th.

If you need anything further from ARCO to include this matter on the September 17, 1992 hearing docket please advise.

Very truly yours,



WILLIAM F. CARR

WFC:mlh

Enclosures

cc w/enclosure: Mr. Ray Pyle
ARCO Oil and Gas Company
Post Office Box 1610
Midland, Texas 79702

RICHARD A. WHITTINGTON, P.A.

ATTORNEY AT LAW

494 N. HARBOR CITY BOULEVARD
MELBOURNE, FLORIDA 32935

TELEPHONE (407) 254-4040

FAX (407) 254-5875

September 3, 1992

CONSERVATION DIVISION
RECEIVED
2 SEP 11 AM 10 17

*DMC
CASE FILE
Case 10554*

William F. Carr, Esq.
CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.
Post Office Box 2208
Santa Fe, New Mexico 87504-2208

RE: Application of ARCO Oil & Gas Company for Approval of Waterflood
Project in Lea County, New Mexico

Dear Mr. Carr:

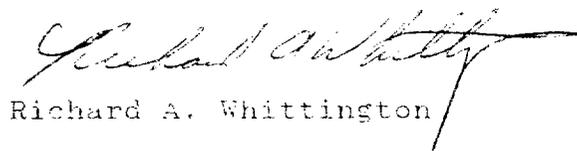
Please be advised that I am writing on behalf of D.Y. Thompson who has a mineral interest in the South Justis Unit that is being proposed by ARCO Oil & Gas Company. It is not feasible for my client or myself to go to Hobbs, New Mexico or Midland, Texas to review this proposed waterflood. We would, therefore, request that ARCO supply a copy of schematic drawings to my office so that my client may review this proposal. Unless these schematic drawings and related information are provided to my client, I do not see how an intelligent decision can be made as to whether or not to support the waterflood.

I would also appreciate you considering this letter making D.Y. Thompson a party of record so that the right to challenge this application at a later time is preserved. I would appreciate you continuing to provide notices of all future hearings on this matter as well as provide a copy of all pleadings, reports, and other information supplied to the various interested parties to this matter.

By copy of this letter I am forwarding my client's request to the Oil Conservation District Office in Santa Fe, New Mexico so that they will be aware of my client's desire to obtain the rights to object to a later time after reviewing the information provided by ARCO Oil & Gas Company.

Should there be any questions, please do not hesitate to contact me.

Sincerely,



Richard A. Whittington

RAW:nkf

Enclosure

cc: Oil Conservation District Office
Santa Fe, New Mexico 87504



**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

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

December 13, 1999

ARCO Permian
C/O Mr. William F. Carr
Campbell, Carr, Berge & Sheridan, P.A.
P.O. Box 2208
Santa Fe, New Mexico 87504-2208

***RE: Reinstatement of Injection Authorization
South Justis Unit Waterflood Project***

Dear Mr. Carr:

Reference is made to your request dated November 29, 1999, to reinstate injection authority for 15 wells originally permitted for injection by Division Order No. R-9747. My staff has considered your request and, pursuant to Rule 705.C., reinstatement of authority to inject is hereby granted subject to the following provisions:

- a) prior to commencing injection into these wells, each well shall be pressure tested throughout the interval from the surface to the proposed packer setting depth; and,
- b) the injection pressure for each of these wells shall be limited to 0.2 psi per foot of depth to the uppermost injection perforation.

<i>Well Name and Number</i>	<i>Location</i>
South Justis Unit Tract C No. 160	UL 'G', S-14, T-25S, R-37E
South Justis Unit Tract B No. 110	UL 'C', S-11, T-25S, R-37E
South Justis Unit No. 293	UL '', S-36, T-25S, R-37E
South Justis Unit Tract F No. 230	UL 'C', S-25, T-25S, R-37E
South Justis Unit Tract E No. 190	UL 'D', S-24, T-25S, R-37E
South Justis Unit Tract F No. 240	UL 'F', S-25, T-25S, R-37E
South Justis Unit Tract F No. 250	UL 'K', S-25, T-25S, R-37E
South Justis Unit Tract G No. 230	UL 'B', S-25, T-25S, R-37E
South Justis Unit Tract G No. 240	UL 'G', S-25, T-25S, R-37E
South Justis Unit Tract G No. 250	UL 'J', S-25, T-25S, R-37E
South Justis Unit Tract H No. 230	UL 'A', S-25, T-25S, R-37E

<i>Well Name and Number</i>	<i>Location</i>
South Justis Unit Tract H No. 232	UL 'A", S-25, T-25S, R-37E
South Justis Unit Tract H No. 242	UL 'H', S-25, T-25S, R-37E
South Justis Unit Tract H No. 260	UL 'P', S-25, T-25S, R-37E
South Justis Unit Tract I No. 260	UL 'M', S-30, T-25S, R-38E

The Division Director may authorize an increase in injection pressure upon a proper showing by the operator of the subject wells that such higher pressure will not result in migration of the injected fluid from the Blinebry-Tubb-Drinkard formation. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The injection authority granted herein shall terminate on December 13, 2000, if the operator has not commenced injection operations into the subject wells, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Sincerely,


Lori Wrotenbery
Director

LW/DRC/kv

cc: Oil Conservation Division - Hobbs
Case File: 10554

CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.
LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
MICHAEL H. FELDEWERT
PAUL R. OWEN
ANTHONY F. MEDEIROS

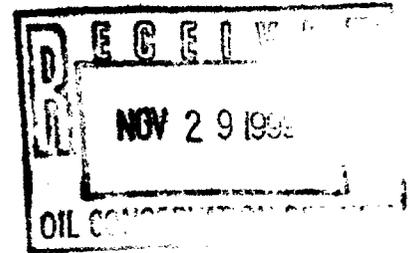
JACK M. CAMPBELL
1916-1999

JEFFERSON PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
FACSIMILE: (505) 983-6043
E-MAIL: ccbspa@ix.netcom.com

November 29, 1999

VIA HAND DELIVERY

Mr. David R. Catanach
Oil Conservation Division
New Mexico Department of Energy,
Minerals, and Natural Resources
2040 South Pacheco Street
Santa Fe, New Mexico 87505



Re: Request of ARCO Permian for reinstatement of injection authorization for 15 injection wells in the South Justis Unit Waterflood Project Area previously approved by Division Order No. R-9747, Lea County, New Mexico.

Dear Mr. Catanach:

By Order No. R-9747 entered on October 23, 1992, the Oil Conservation Division approved the application of ARCO Oil and Gas Company ("ARCO") for a waterflood project in the Blinebry and Tubb/Drinkard Pool, Lea County, New Mexico, and approved for injection 98 injection wells which are identified on Exhibit A to Order No. R-9747. A copy Order No. R-9747 is attached to this letter for your easy reference.

Although ARCO has continued to operate the South Justis Waterflood Unit Project, for operational reasons, certain wells in this project area were not utilized for injection during part or all of the last two years. These wells are identified on the attached list which shows the unit well number and the date the well was shut in. The wells were shut in to move injection from poor performing, high WOR areas of the field to more responsive areas of the field in an attempt to increase oil recovery.

Arco has spent the last twelve months studying reservoir performance, and now needs to resume injection in each of these wells as part of its South Justis Unit Waterflood Project.

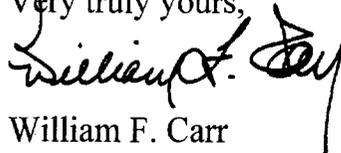
Mr. David R. Catanach
November 29, 1999
Page 2

Since these wells have not been active injectors for the last six months, pursuant to the provisions of Division Rule 705 B the injection authority granted by Division Order No. R-9747 has terminated.

The purpose of this letter is to request reinstatement of injection authority for each of these wells. If the Division needs additional information from ARCO to support this request, ARCO will submit any information which the Division may require.

Your attention to this request is appreciated.

Very truly yours,

A handwritten signature in black ink, appearing to read "William F. Carr", written in a cursive style.

William F. Carr

WFC/md

cc: Jeff Robinson
ARCO Permian

LEASE**WELL****SHUT IN DATE**

South Justis Unit	C160	11/1/97
South Justis Unit	B110	4/1/98
South Justis Unit	293	7/1/98
South Justis Unit	F230	1/1/99
South Justis Unit	E190	2/1/99
South Justis Unit	F240	2/1/99
South Justis Unit	F250	2/1/99
South Justis Unit	G230	2/1/99
South Justis Unit	G240	2/1/99
South Justis Unit	G250	2/1/99
South Justis Unit	H230	2/1/99
South Justis Unit	H232	2/1/99
South Justis Unit	H242	2/1/99
South Justis Unit	H260	2/1/99
South Justis Unit	I260	3/1/99



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

November 10, 1997

ARCO Permian
Attention: Elizabeth A. Casbeer
P. O. Box 1610
Midland, Texas 79702-1610

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

Dear Ms. Casbeer:

Reference is made to your letter dated October 6, 1997 requesting administrative approval for the relocation of ARCO's proposed South Justis Unit Tract "D" Well No. 230 (API No. 30-025-31779) in Section 26, Township 25 South, Range 37 East, NMPM, Justis-Blinebry-Tubb-Drinkard Pool, South Justis Unit Area, Lea County, New Mexico.

By Order No. R-9747, issued in Case No. 10554 and dated October 23, 1992, the Division authorized ARCO Oil and Gas Company, now ARCO Permian, to institute its South Justis Unit Waterflood Project in portions of Townships 25 and 26 South, Range 37 East, NMPM, Lea County, New Mexico, by permitting the injection of water into 98 existing or newly drilled wells, including the South Justis Unit Tract "D" Well No. 230 to be drilled 1150 feet from the North line and 950 feet from the East line (Unit A) of said Section 26.

At this time ARCO Permian is seeking to change the proposed location of said South Justis Unit Tract "D" Well No. 230 as to avoid an archeological site.

The unorthodox location of this well is now governed under Rule 104.F(1) of the Divisions General Rules and Regulations and can be administered by the Supervisor of the Division's Hobbs District Office. However, exhibit "A" of said Division Order No. R-9747 shall be amended at this time to reflect this location change in said Section 26:

*South Justis Unit Tract "D" Well No. 230
990 feet from the North and East lines (Unit A).*

All other provisions of said Order No. R-9747 shall remain in full force and effect until further notice.

Sincerely,

William J. LeMay
Director

WJL/MES/kv

cc: New Mexico Oil Conservation Division - Hobbs
U.S. Bureau of Land Management - Carlsbad
Michael E. Stogner, New Mexico Oil Conservation Division - Santa Fe
File: Case No. 10554