

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL # NM-90796		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----		
2. NAME OF OPERATOR GRUY PETROLEUM MANAGEMENT COMPANY (ZENO FARRIS) 972-443-6489			7. UNIT AGREEMENT NAME -----		
3. ADDRESS AND TELEPHONE NO. P.O. BOX 140907 IRVING, TEXAS 75014 -0907			8. FARM OR LEASE NAME, WELL NO. RHODES FEDERAL UNIT # 15C		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2110' FNL & 460' FEL SEC. 15 T26S-R37E LEA CO. NM At proposed prod. zone SAME			9. AM WELL NO. 50-005-3-5		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 5 miles South of Jal New Mexico			10. FIELD AND POOL, OR WILDCAT RHODES-YATES-7 RIVERS		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 990'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 15 T26S-R37E		
16. NO. OF ACRES IN LEASE 320			12. COUNTY OR PARISH LEA CO.		
17. NO. OF ACRES ASSIGNED TO THIS WELL 120			13. STATE NEW MEXI		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1980'			20. ROTARY OR CABLE TOOLS ROTARY		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) LEA COUNTY CONTROLLED WATER BASIN GR. 2981			22. APPROX. DATE WORK WILL START As soon as approved		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	K-55 8 5/8"	24	750'	600 Sx. circulate to surface
7 7/8"	K-55 4 1/2"	11.6	3380'	1000 Sx. circulate to surface

1. Drill 12 1/2" hole to 750'. Run and set 750' of 8 5/8" J-55 24# ST&C casing. Cement with 400 Sx. of Halco Light + additives, tail in with 200 Sx. of Class "C" + 1/2# flocele/Sx + 2% CaCl, circulate cement to surface.
2. Drill 7 7/8" hole to 3380'. Run and set 3380' of 4 1/2" J-55 11.6# LT&C casing. Cement in two stages. First stage cement with 400 Sx. of Class "C" cement + 3# of salt/Sx. + 1/2# flocele/Sx. Second stage cement with 600 Sx. of Class "C" Halco Light + 9# salt/S. + 1/2# flocele/Sx., circulate cement to surface.

OIL CONSERVATION DIVISION
HARTMAN EXHIBIT NO. 18
CASE NOS. 12015 & 12017APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Zeno Farris TITLE Agent DATE 04/07/98
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereunder.
CONDITIONS OF APPROVAL, IF ANY:APPROVED BY ORIG. SGD.) ARMANDO A. LOPEZ TITLE Acting DATE MAY 04 1998

*See Instructions On Reverse Side

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

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

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

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

☐ AMENDED REP

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 162683	Pool Code 83810	Pool Name RHODES-YATES-7RIVERS
Property Code 22321	Property Name RFU	Well Number 159
OGRID No. 162683	Operator Name GRUY PETROLEUM MANAGEMENT CO.	Elevation 2981

Surface Location

UL or lot No. H	Section 15	Township 26 S	Range 37 E	Lot Idn	Feet from the 2110	North/South line NORTH	Feet from the 460	East/West line EAST	Cou LI
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	Cou
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Dedicated Acres 120	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

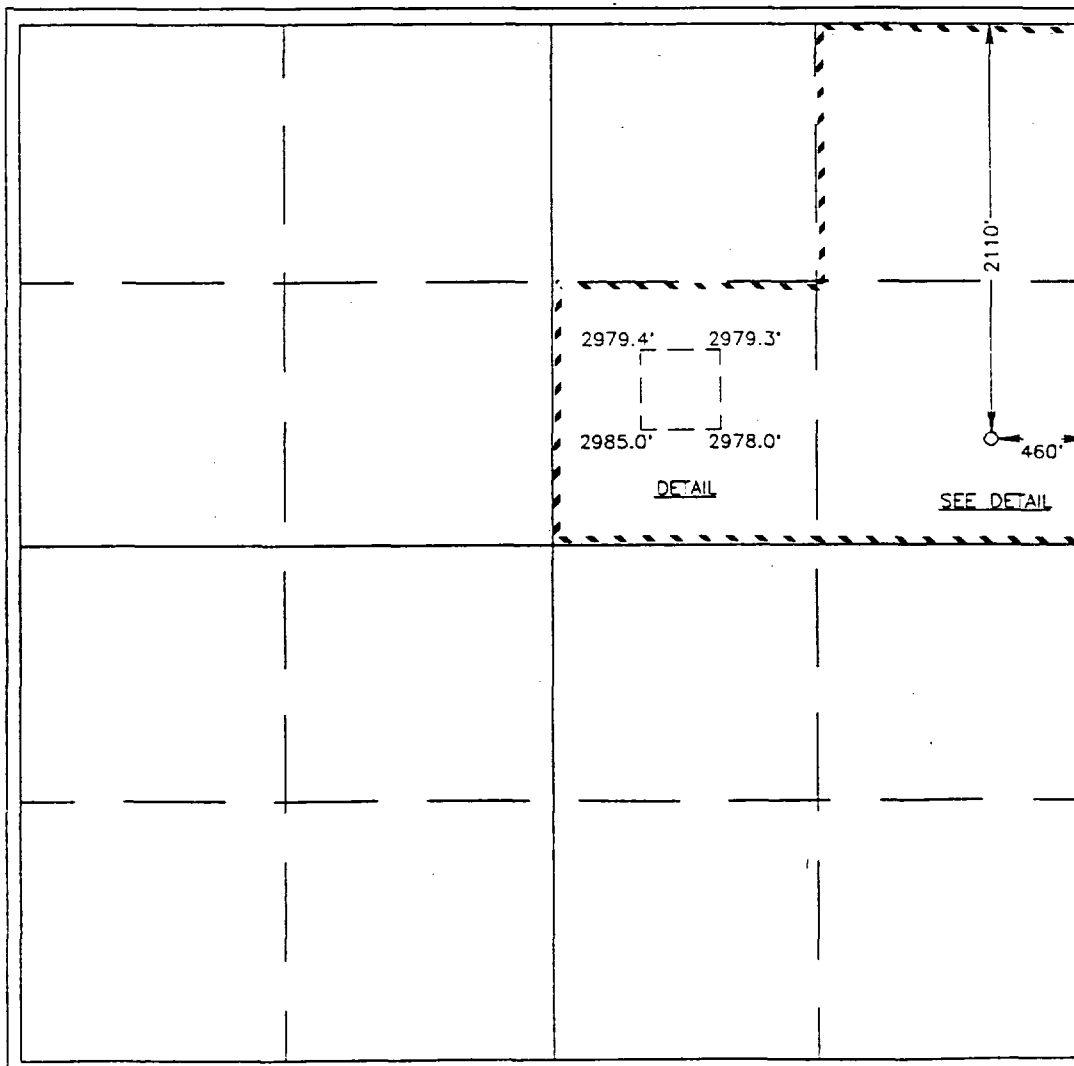
	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Joe T. Janica</i> Signature Joe T. Janica Printed Name Agent Title 04/07/98 Date</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes, actual surveys made by me or under supervision, and that the same is true correct to the best of my belief.</p> <p>MARCH 26, 1998</p> <p>Date Surveyed Signature & Seal of Professional Surveyor <i>Ronald G. Johnson</i> Certificate No. JOHN W. JOHNSON 4-01-98-11-0499</p>

EXHIBIT "A-1"

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTP.O. BOX 140907
SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-90796		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----		
2. NAME OF OPERATOR GRUY PETROLEUM MANAGEMENT COMPANY (ZENO FARRIS) 972-443-6489		7. UNIT AGREEMENT NAME -----		
3. ADDRESS AND TELEPHONE NO. P.O. BOX 140907 IRVING, TEXAS 75014-0907		8. FARM OR LEASE NAME, WELL NO. RHODES FEDERAL UNIT #1		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 990' FSL & 990' FEL SEC. 10 T26S-R37E LEA CO. NM At proposed prod. zone SAME		9. API WELL NO. -----		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 5 miles South of Jal New Mexico		10. FIELD AND POOL OR WILDCAT RHODES-YATES-7 RIVERS		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 990'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 10 T26S-R37E		
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH LEA CO.		
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NEW MEXI		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1980'		20. ROTARY OR CABLE TOOLS ROTARY		
19. PROPOSED DEPTH 3380'		21. APPROX. DATE WORK WILL START As soon as approved		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR. 2984'		22. APPROX. DATE WORK WILL START As soon as approved		
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	K-55 8 5/8"	24	750'	600 Sx. circulate to surface
7 7/8"	K-55 4 1/2"	11.6	3380'	1000 Sx. circulate to surface

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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Joel J. Jarama TITLE Agent DATE 04/07/98

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations there
CONDITIONS OF APPROVAL IF ANY:

(ORIG. SGD.) ARMANDO A. LOPEZ

MAY 04 1998

APPROVED BY _____ TITLE Agent DATE _____

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-10
Revised February 10, 199
Submit to Appropriate District Office
State Lease - 4 Copie
Fee Lease - 3 Copie

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 88-5-3-322	Pool Code 83810	Pool Name RHODES-YATES-7RIVERS
Property Code 22321	Property Name RFU	Well Number 103
OGRID No. 162683	Operator Name GRUY PETROLEUM MANAGEMENT CO.	Elevation 2984

Surface Location

UL or lot No. P	Section 10	Township 26 S	Range 37 E	Lot Idn	Feet from the 990	North/South line SOUTH	Feet from the 990	East/West line EAST	County LEA
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Joe T. Janica Printed Name Agent Title 04/07/98 Date
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. MARCH 26, 1998 Date Surveyed Signature & Seal of Professional Surveyor DONALD E. EDSON Certificate No. 3239 JOHN W. WEST EDSON 576 3239 1264