

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N. M. Oil Cons. Division

811 SUBMIT IN 11 DATE
ARTESIA, N.M. 88001 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 ☒ DEEPEN ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
MARIAH ENERGY CORP. 162 791

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 160430, AUSTIN, TX 78716 (512) 327-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1011' FSL & 1029' FEL
At proposed prod. zone SAME Unit P

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
APPROX. 7 1/2 MILES SOUTH OF LOGG HILLS

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1011'

16. NO. OF ACRES IN LEASE 1,800

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 650'

19. PROPOSED DEPTH 3,600

20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether, DF, RT, GR, etc.) 3506 GR

22. APPROX. DATE WORK WILL START* 10/1/98

5. LEASE DESIGNATION AND SERIAL NO.
NM 033775

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME 20958
NORTH BENSON QUEEN UNIT

8. FARM OR LEASE NAME, WELL NO.
NORTH BENSON QUEEN UNIT

9. API WELL NO.
48 30-015-30494

10. FIELD AND POOL, OR WILDCAT
138355' QUEEN - Grayburg North 53ce

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC 28, T18S-R30E

12. COUNTY OR PARISH EDDY

13. STATE NM

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	+600'	SEE BELOW
7 7/8	4 1/2	10.5#	3600'	SEE BELOW

8 5/8" SURFACE LEAD: 255 PERM BASIN CRITICAL ZONE EMT @ 13.5 PPG.

4 1/2" PRODUCTION:

SPACER - 10 BBLS 2% KCL WATER
750 GALS SUPERFLUSH 201
5 BBLS 2% KCL WATER

LEAD - 500 SX HOWCO LIGHT PREMIUM PLUS - 5 PPS SALT + 1/4 PPS FLOCELE @ 12.6 PPG.

TAIL - 250 SX 50/50 POZ MIX PREMIUM PLUS + 2% TOTAL GEL + .5% HALAD-332 @ 13.9 PPG.

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 Richard P. Atkins TITLE PRESIDENT DATE 8/21/98

(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 thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY /s/ Richard A. Whitley TITLE Acting State Director DATE 10-30-98

*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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction



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		Pool Code	Pool Name
Property Code	Property Name NORTH BENSON QUEEN UNIT		Well Number 48
OGRID No.	Operator Name MARIAH ENERGY CORP.		Elevation 3508

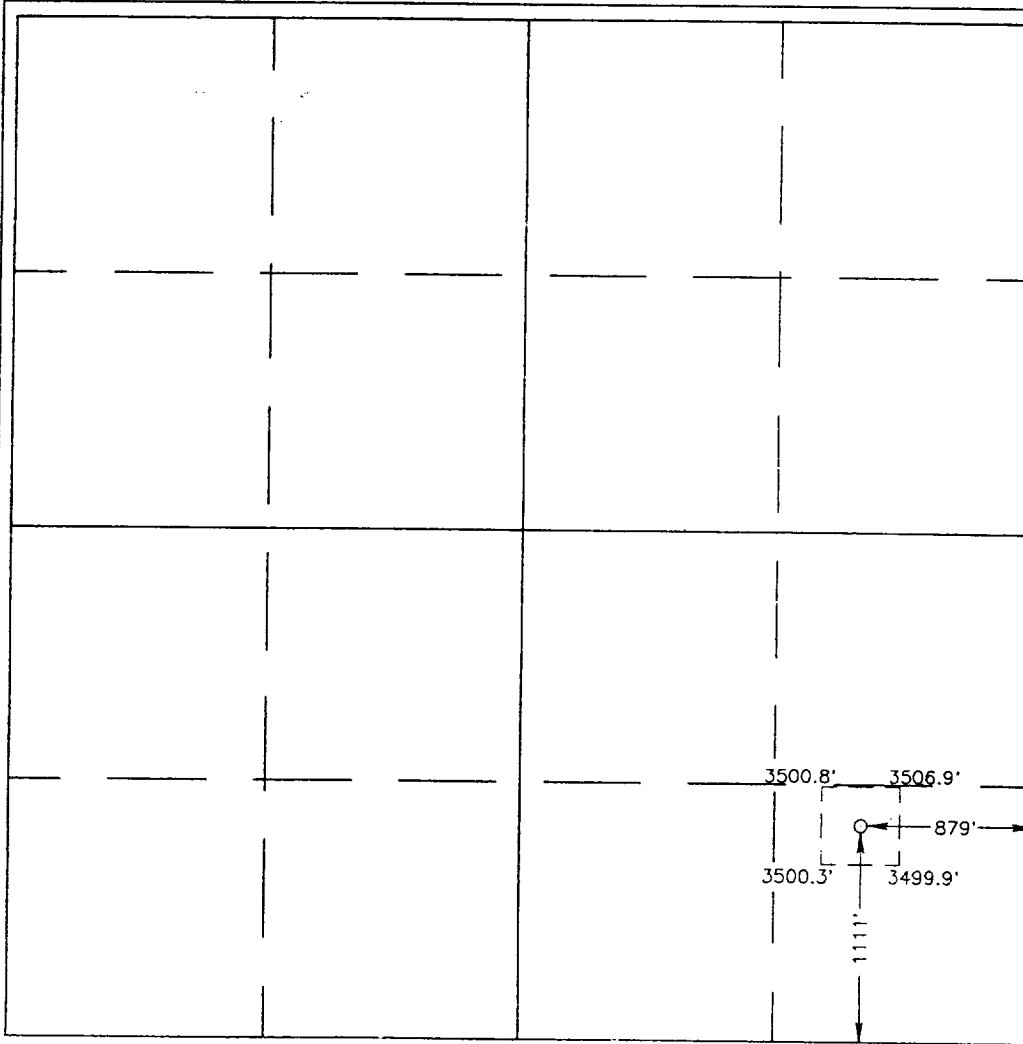
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	28	18 S	30 E		1111	SOUTH	879	EAST	EDDY

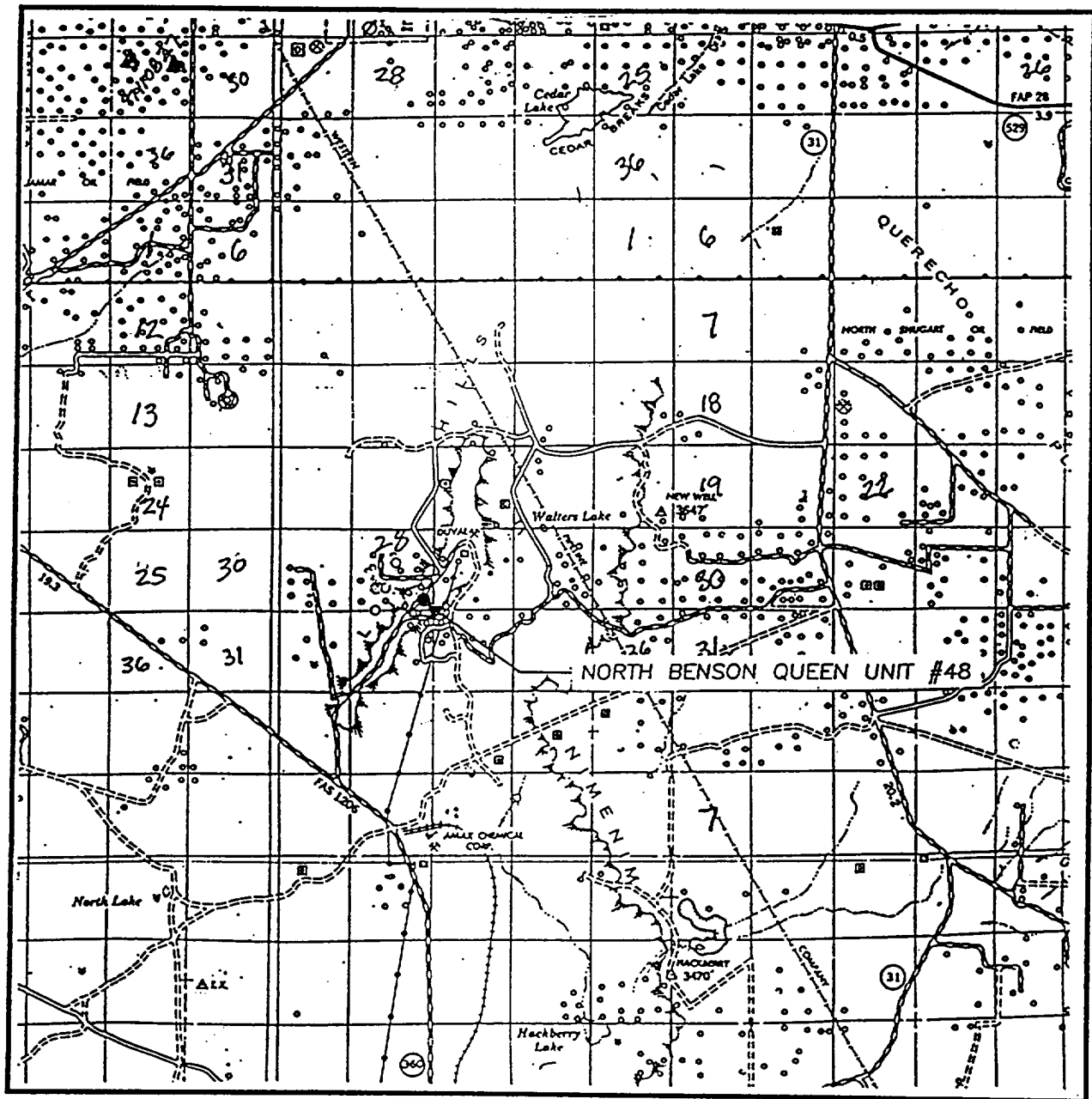
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code		Order No.					

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	
		<p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Russell Douglass</i> Signature RUSSELL DOUGLASS Printed Name PRESIDENT Title 9/24/98 Date</p>	
		SURVEYOR CERTIFICATION	
		<p>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.</p> <p>SEPTEMBER 2, 1998 Date Surveyed <i>Ronald J. Eidson</i> Signature & Seal of Professional Surveyor DMCC</p> <p>SEPTEMBER 2, 1998 Date 3239 Certificate No. RONALD J. EIDSON Name NEW MEXICO State REGISTERED PROFESSIONAL SURVEYOR Title 98-11-1203 Surveyor's License No. 12641 Surveyor's License No. 12185 Surveyor's License No.</p>	

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 28 TWP. 18-S RGE. 30-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1111' FSL & 879' FEL

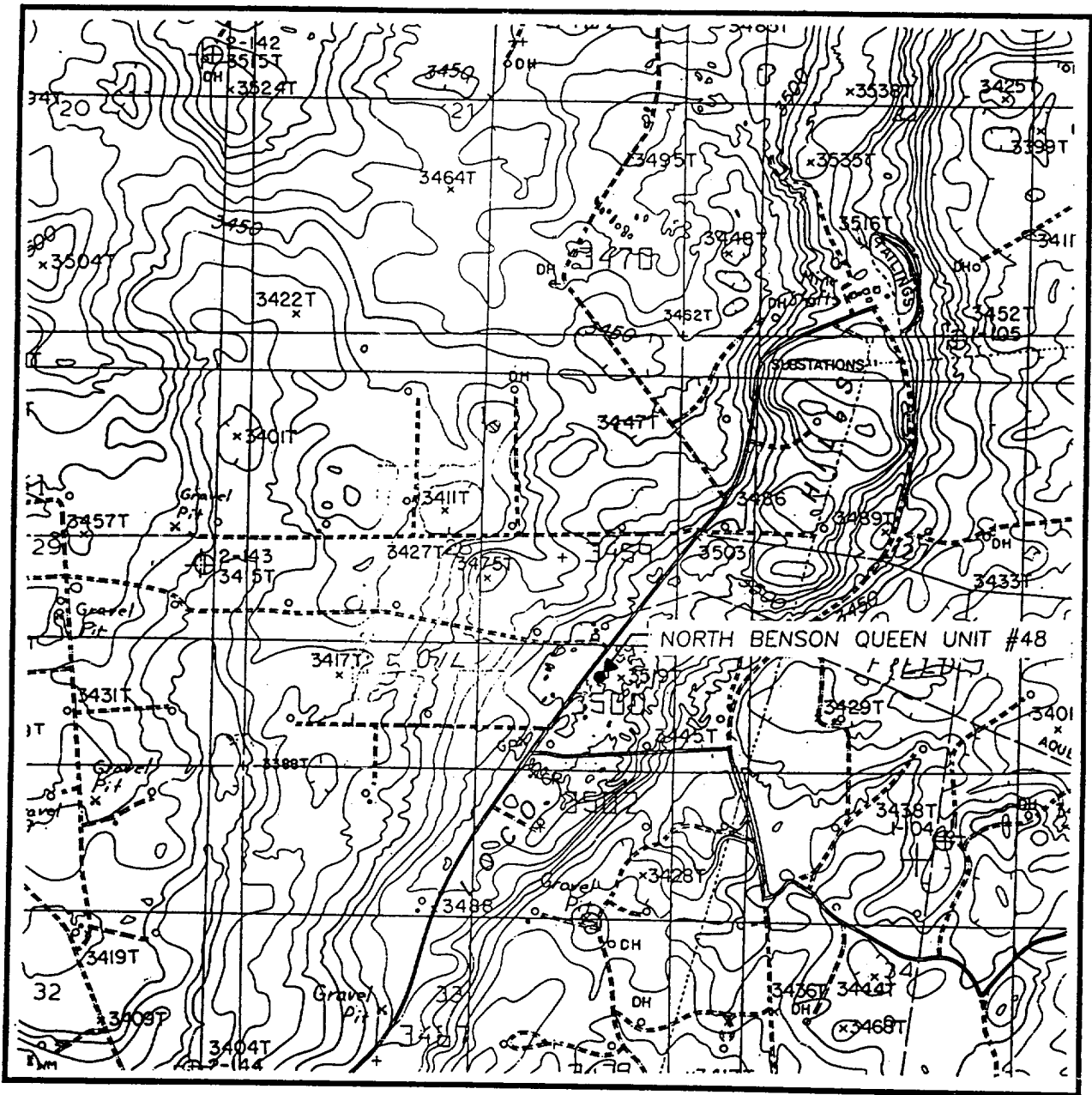
ELEVATION 3508

OPERATOR MARIAH ENERGY CORP.

LEASE NORTH BENSON QUEEN UNIT

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

LOCATION VERIFICATION ON MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
HACKBERRY LAKE - 10'

SEC. 28 TWP. 18-S RGE. 30-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1111' FSL & 879' FEL

ELEVATION 3508

OPERATOR MARIAH ENERGY CORP.

LEASE NORTH BENSON QUEEN UNIT

U.S.G.S. TOPOGRAPHIC MAP

HACKBERRY LAKE, N.M.

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NM 033775

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

NORTH BENSON QUEEN UNIT

8. Well Name and No.

NORTH BENSON QUEEN UNIT #48

9. API Well No.

48

10. Field and Pool, or Exploratory Area

QUEEN

11. County or Parish, State

EDDY, NM

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
MARIAH ENERGY CORP.

3a. Address
P.O. BOX 160430, AUSTIN, TX 78716

3b. Phone No. (include area code)
(512) 327-2620

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1111' FSL & 879' FEL, SEC. 38, TOWNSHIP 18 S, RANGE 30E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other MOVED DRILLING LOCATION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

THE NORTH BENSON QUEEN UNIT #48 IS BEING MOVED TO THE ABOVE LOCATION DUE TO AN ARCHEOLOGICAL SITE AT THE ORIGINAL LOCATION. THIS REVISED LOCATION WILL NOT HAVE AN ADVERSE EFFECT ON SECONDARY RECOVERY OPERATIONS WITHIN THE PROPOSED PATTERN. THE DRILLING OF THE NORTH BENSON QUEEN UNIT #48 IS SCHEDULED FOR THE 4TH QUARTER OF 1998.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)
RUSSELL DOUGLASS

Title

PRESIDENT

Signature

Date

9/24/98

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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 thereon.

Office

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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)