

26440127

DHC 10/10/00

District I  
1625 N. French Drive, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Dept.

Form C-107-A  
Revised May 15, 2000

District II  
811 S. First Street, Artesia, NM 88210

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, New Mexico 87505

APPLICATION TYPE  
 Single Well  
 Establish Pre-Approved Pools

District III  
1000 Rio Bravo Road, Artesia, NM 88410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE  
 Yes  No

Mewbourne Oil Company - P. O. Box 7698 - Tyler, Texas 75711

Operator Empire "25" State #1 Address G-Sec. 25, T17S, R28E Eddy  
Lease Well Name Unit Letter-Section-Township-Range County

OGRID No. 14744 Property Code API No. 30-015-31140 Lease Type:  Federal  State  Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Empire-Atoka Wildcat (Atoka)		Empire South (Morrow)
Pool Code	96049 76375		76400
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	10,267'-10,280' 10,286'-10,288'		10,547'-10,560'
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone.)	4990		4910
Oil Gravity or Gas BTU (Degree API or Gas BTU)	48°		
Producing, Shut-In or New Zone	Producing		New Zone
Date and Oil/Gas/Water Rates of Last Production (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 8/17/00 Rates: 570 MCFD, 28 BO, 9 BW	Date: Rates:	Date: 7/20/00 Rates: 62 MCFD, 0 BO, 0 BW
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 100% Gas 90%	Oil % Gas %	Oil 0% Gas 10%

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes  No   
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes  No

Area II produced fluids from all commingled zones compatible with each other? Yes  No

Will commingling decrease the value of production? Yes  No

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes  No

NMOC Reference Case No. applicable to this well: \_\_\_\_\_

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required.

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools.
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE Sue Hearon TITLE Eng. Tech. DATE 9/14/00  
TYPE OR PRINT NAME Sue Hearon TELEPHONE NO. (903) 561-2900

**Attachments to C-107A**

Mewbourne Oil Company  
Empire "25" State #1  
Unit Letter G, Sec. 25, T17S,R28E  
Eddy County, New Mexico

- ***C-102 for each zone to be commingled showing its spacing unit and acreage dedication.***
- ***No production curve is attached because this is a new well.***
- ***Estimated production rates and supporting data:***  
***Test Data:***

Atoka	8/17/00	570 MCFD, 28 BO, 9 BW
Morrow	7/20/00	62 MCFD, 0 BO, 0 BW
- ***Data to support allocation method or formula:***  
C-105 for Morrow Zone  
Test as shown above for Atoka Zone
- ***Notification list of working, royalty and overriding royalty interests for uncommon interest cases: No uncommon interests.***
- ***Any additional statements, data or documents required to support commingling.***

The well is completed with 5½" OD casing. In order to dually complete the well to recover all economic reserves, the use of small diameter special clearance tubing would be required. Performing a dual completion as described could not be economically justified for a zone with limited deliverability. The addition of the Atoka as a commingled zone will prevent waste that would not otherwise be possible due to the increased cost to produce each individual zone. Commingling will prevent early abandonment of each production zone.

Submit to Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies DISTRICT I P.O. Box 1980, Hobbs, NM 88240

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-105 Revised 1-1-89

OIL CONSERVATION DIVISION

2040 Pacheco St. Santa Fe, NM 87505

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

DISTRICT III 1000 Rio Brazos Rd, Aztec, NM 87410

WELL API NO. 30-015-31140 5. Indicate Type of Lease STATE [X] FEE [ ] 6. State Oil & Gas Lease No. 647-394

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL [ ] GAS WELL [X] DRY [ ] OTHER [ ] 1b. Type of Completion: NEW WELL [ ] WORK OVER [X] DEEPEN [ ] PLUG BACK [ ] DIFF RESVR [ ] OTHER [ ] 2. Name of Operator Mewbourne Oil Company 3. Address of Operator PO Box 5270, Hobbs, New Mexico 88241 7. Lessee Name or Unit Agreement Name Empire 25 State 8. Well No. 1 9. Pool name or Wildcat WILDCAT (ATOKA)

4. Well Location Unit Letter G 1980 Feet From The North Line and 1980 Feet From The East Line Section 25 Township 17S Range 28E NMPM Eddy County

10. Date Spudded 05/23/00 11. Date T.D. Reached 06/27/00 12. Date Compl. (Ready to Prod.) 09/04/00 13. Elevations (DF & RKB, RT, GR, etc.) 3691 GL 14. Elev. Casinghead 3691 15. Total Depth 10851 16. Plug Back T.D. 10440 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools [X] Cable Tools 19. Producing Interval(s), of this completion - Top, Bottom, Name 10267-288, Atoka 20. Was Directional Survey Made No 21. Type Electric and Other Logs Run DDL, DN & CBL 22. Was Well Cored No

CASING RECORD (Report all strings set in well)

Table with 6 columns: CASING SIZE, WEIGHT LB/FT., DEPTH SET, HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Rows include 13 3/8, 8 5/8, 5 1/2.

24. LINER RECORD and 25. TUBING RECORD tables with columns for SIZE, TOP, BOTTOM, SACKS CEMENT, SCREEN, DEPTH SET, PACKER SET.

26. Perforation record (interval, size, and number) 10267-288. 2 1/8" 6 SPF 90 holes 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 10267-288 AMOUNT AND KIND MATERIAL USED Frac w/ 40,000 gals 70Q Binary w/ 30500# 20/40 Int-prop

PRODUCTION

28. Date First Production 08/22/00 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Prod Date of Test 08/24/00 Hours Tested 24 Choke Size Open Prod'n For Test Period Oil - Bbl. 33 Gas - MCF 575 Water - Bbl. 6 Gas - Oil Ratio 17424 Flow Tubing Press. 440 Casing Pressure 200 Calculated 24-Hour Rate Oil - Bbl. 33 Gas - MCF 575 Water - Bbl. 6 Oil Gravity - API - (Corr.) 50

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

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief Signature [Signature] Printed Name N.M. Young Title District Manager Date 09/14/00



District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
811 South First, Artesia, NM 88210

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

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-101  
Revised October 18, 1994

Instructions on back  
Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address Mewbourne Oil Company PO Box 5270 Hobbs, New Mexico		OGRID Number
		API Number 30 - 015-31140
Property Code <b>25871</b>	Property Name Empire 25 State	Well No. 1

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
G	25	17S	28E		1980	North	1980	East	Eddy

Proposed 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
Proposed Pool 1 <i>Unders. Empire; Atoka</i>					Proposed Pool 2				

Work Type Code A	Well Type Code G	Cable/Rotary	Lease Type Code	Ground Level Elevation 3691
Multiple	Proposed Depth 10851	Formation Atoka	Contractor	Spud Date

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2	13 3/8	48	365	360	Surf
12 1/4	8 5/8	32	2605	1175	Surf
7 7/8	5 1/2	17	10851	1775	1100

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Initial completion was in Morrow 10547-560'.

Plan to set plug & test Atoka perms @ 102260-90'.

*Set Sand Plug @ 50' above Morrow perms w/35' cement  
Oper. to have pressure control device B60*

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

Signature:

Printed name: N.M. Young

Title: District Manager

OIL CONSERVATION DIVISION

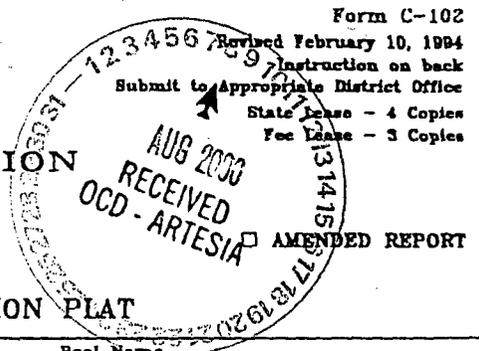
Approved By:

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

Title:

Approval Date: **AUG 7 2000**

Expiration Date: **AUG 7 2001**



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

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

DISTRICT III  
1000 Rio Brasos Rd., Artec, NM 87410

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-31140		Pool Code	Pool Name South Empire Atoka
Property Code	Property Name EMPIRE "25" STATE		Well Number 1
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY		Elevation 3691

Surface Location

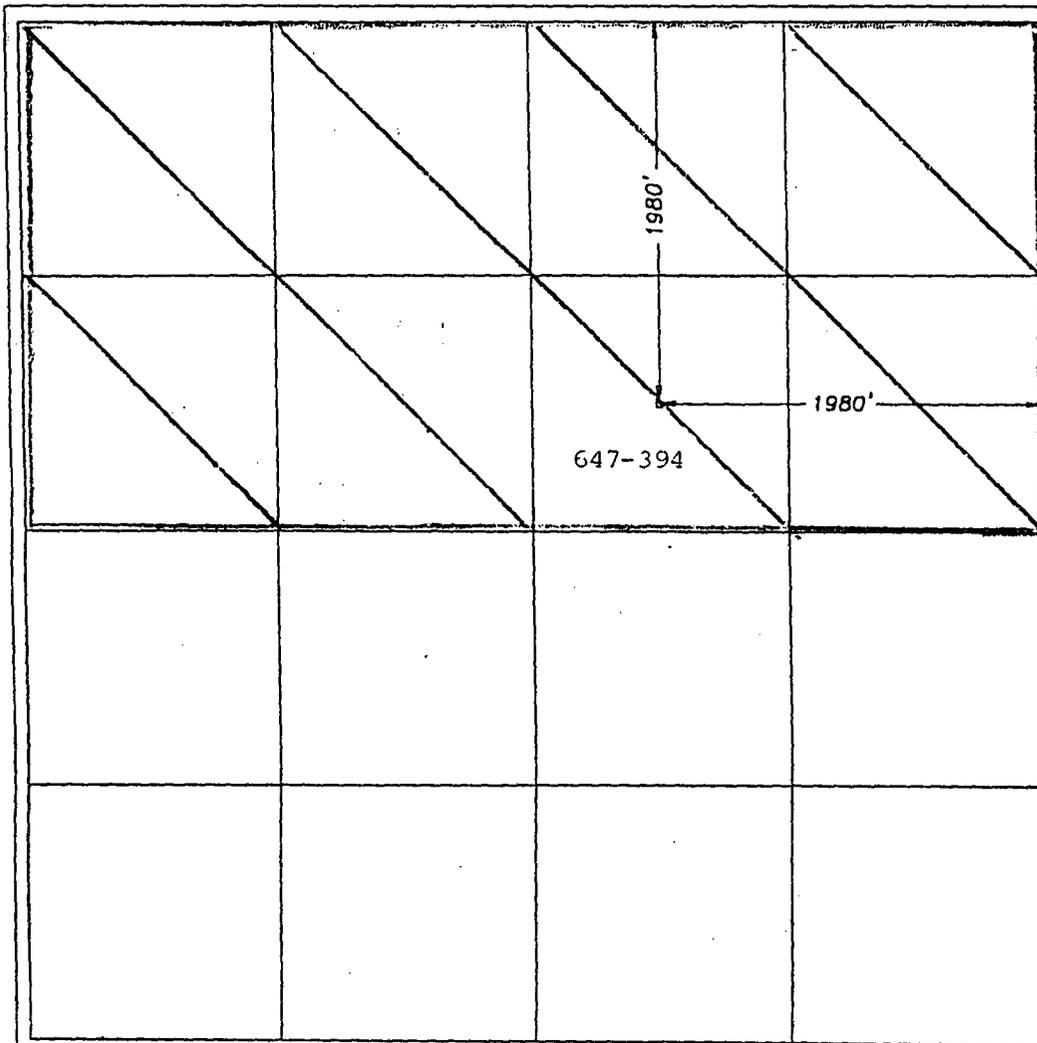
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	25	17S	28E		1980	NORTH	1980	EAST	EDDY

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
320									

Dedicated Acres	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 that the information contained herein is true and complete to the best of my knowledge and belief.

*Terry Burke*  
Signature

Terry Burke  
Printed Name

Drilling Foreman  
Title

5/09/2000  
Date

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.

3/17/2000  
Date Surveyed

Date Surveyed

*Henry C. Jones*  
Signature & Seal of Professional Surveyor

Submit to Appropriate District Office  
 State Lease - 6 copies  
 Fee Lease - 5 copies  
**DISTRICT I**  
 P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-105  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**

2040 Pacheco St.  
 Santa Fe, NM 87505

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

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

WELL API NO.  
 30-015-31140

5. Indicate Type of Lease  
 STATE  FEE

6. State Oil & Gas Lease No.  
 647-394

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well:  
 OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_  
 b. Type of Completion:  
 NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR  OTHER \_\_\_\_\_

7. Lease Name or Unit Agreement Name  
 Empire 25 State

2. Name of Operator  
 Mewbourne Oil Company

8. Well No.  
 1

3. Address of Operator  
 PO Box 5270, Hobbs, New Mexico 88241

9. Pool name or Wildcat  
 Empire South Morrow

4. Well Location  
 Unit Letter G : 1980 Feet From The North Line and 1980 Feet From The East Line  
 Section 25 Township 17S Range 28E NMPM Eddy County

10. Date Spudded 05/23/00 11. Date T.D. Reached 06/27/00 12. Date Compl. (Ready to Prod.) 07/20/00 13. Elevations (DF & RKB, RT, GR, etc.) 3691 GL 14. Elev. Casinghead 3691

15. Total Depth 10851 16. Plug Back T.D. 10756 17. If Multiple Compl. How Many Zones? \_\_\_\_\_ 18. Intervals Drilled By Rotary Tools  Cable Tools \_\_\_\_\_

19. Producing Interval(s), of this completion - Top, Bottom, Name 10547-10560'. Morrow 20. Was Directional Survey Made No

21. Type Electric and Other Logs Run DDL, DN & CBL 22. Was Well Cored No

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

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48	365	17 1/2	360 sks	Circl to Surf
8 5/8	32	2605	12 1/4	1175 sks	Circl to Surf
5 1/2	17	10851	7 7/8	1775 sks 2 stage	TOC @ 1100'

**24. LINER RECORD** **25. TUBING RECORD**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	10143	10133

26. Perforation record (interval, size, and number)  
10547-560'. 2 1/8" 4 SPF 52 holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
<u>10547-560</u>	<u>1500 gals 7 1/2% Frac w/ 70,000 gals 70Q Binary w/ 70k 20/40 Int-prop</u>

**28. PRODUCTION**

Date First Production 07/20/00 Production Method (*Flowing, gas lift, pumping - Size and type pump*) Flowing Well Status (*Prod. or Shut-in*) Prod

Date of Test 07/29/00 Hours Tested 24 Choke Size Open Prod'n For Test Period \_\_\_\_\_ Oil - Bbl. 0 Gas - MCF 62 Water - Bbl. 0 Gas - Oil Ratio \_\_\_\_\_

Flow Tubing Press. 440 Casing Pressure 200 Calculated 24-Hour Rate \_\_\_\_\_ Oil - Bbl. 0 Gas - MCF 62 Water - Bbl. 0 Oil Gravity - API - (Corr.) 48

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

30. List Attachments  
Deviation Survey & E-Logs

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

Signature A.M. Young Printed Name N.M. Young Title District Manager Date 08/03/00

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Instruction on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

**OIL CONSERVATION DIVISION**

DISTRICT III  
1000 Elv Brazos Rd., Artec, NM 87410

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

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number	Pool Code 76400	Pool Name South Empire Morrow
Property Code	Property Name EMPIRE "25" STATE	Well Number 1
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3691

**Surface Location**

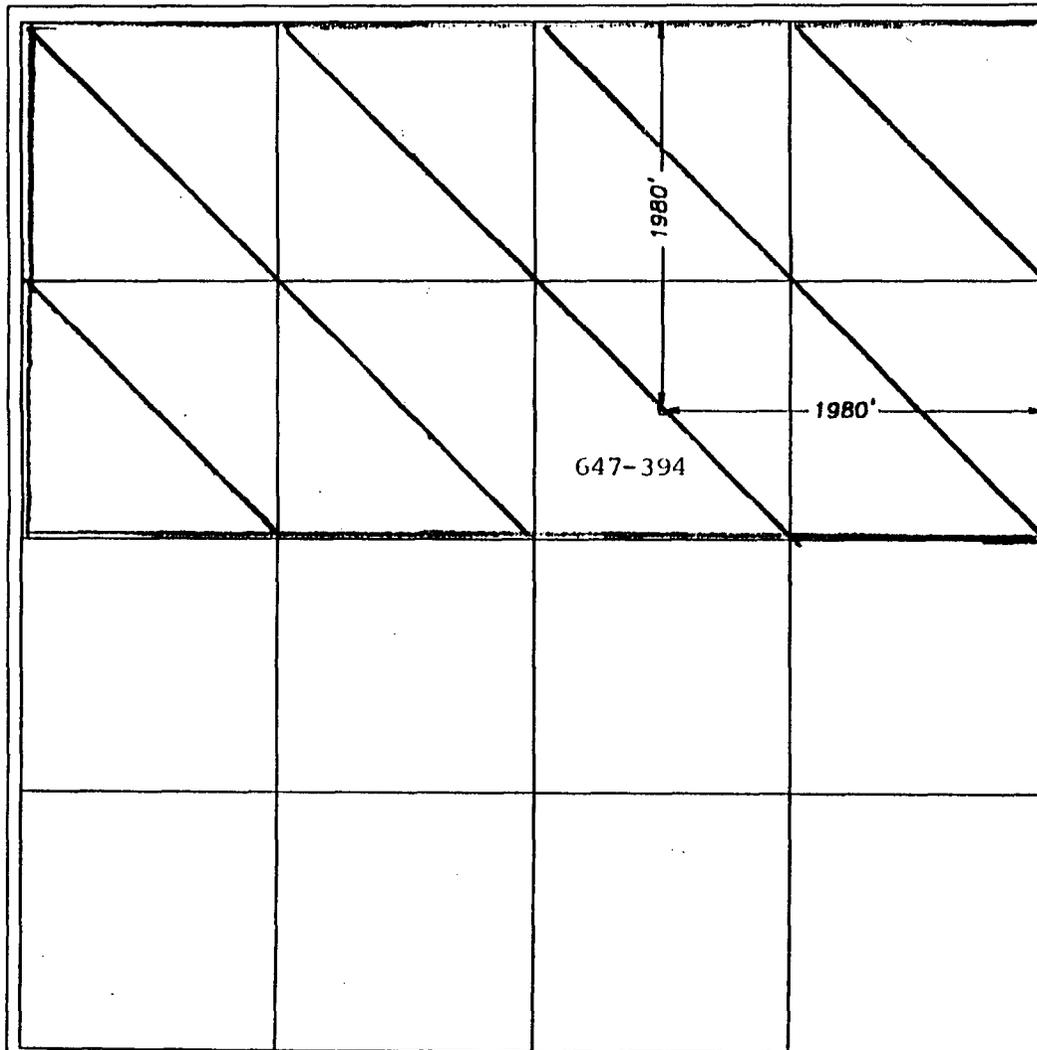
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	25	17S	28E		1980	NORTH	1980	EAST	EDDY

**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
320									

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**

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

*Terry Burke*  
Signature

Terry Burke  
Printed Name

Drilling Foreman  
Title

Date

5/09/2000

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.

3/17/2000

Date Surveyed

Signature & Seal of Professional Surveyor



Certificate No. Hirschel Jones RLS 3640

EMPIRE 25 DISK 25  
GENERAL SURVEYING COMPANY