

County Lea

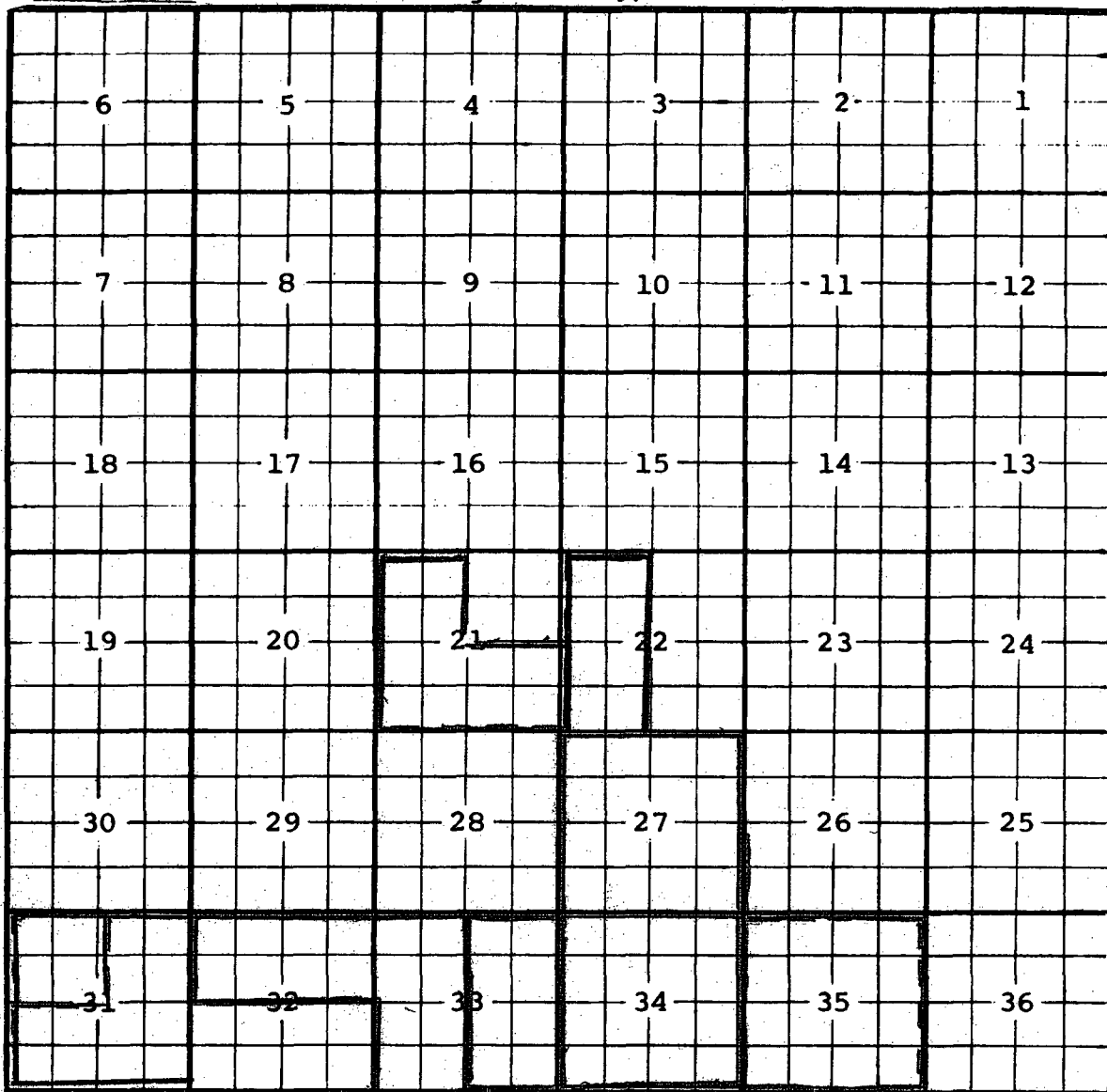
Pool North Lusk - Morrow Gas

TOWNSHIP 18 South

Range 32 East

NMPM

80800



Description: All Sec 34 (R-5215, 6-1-76)

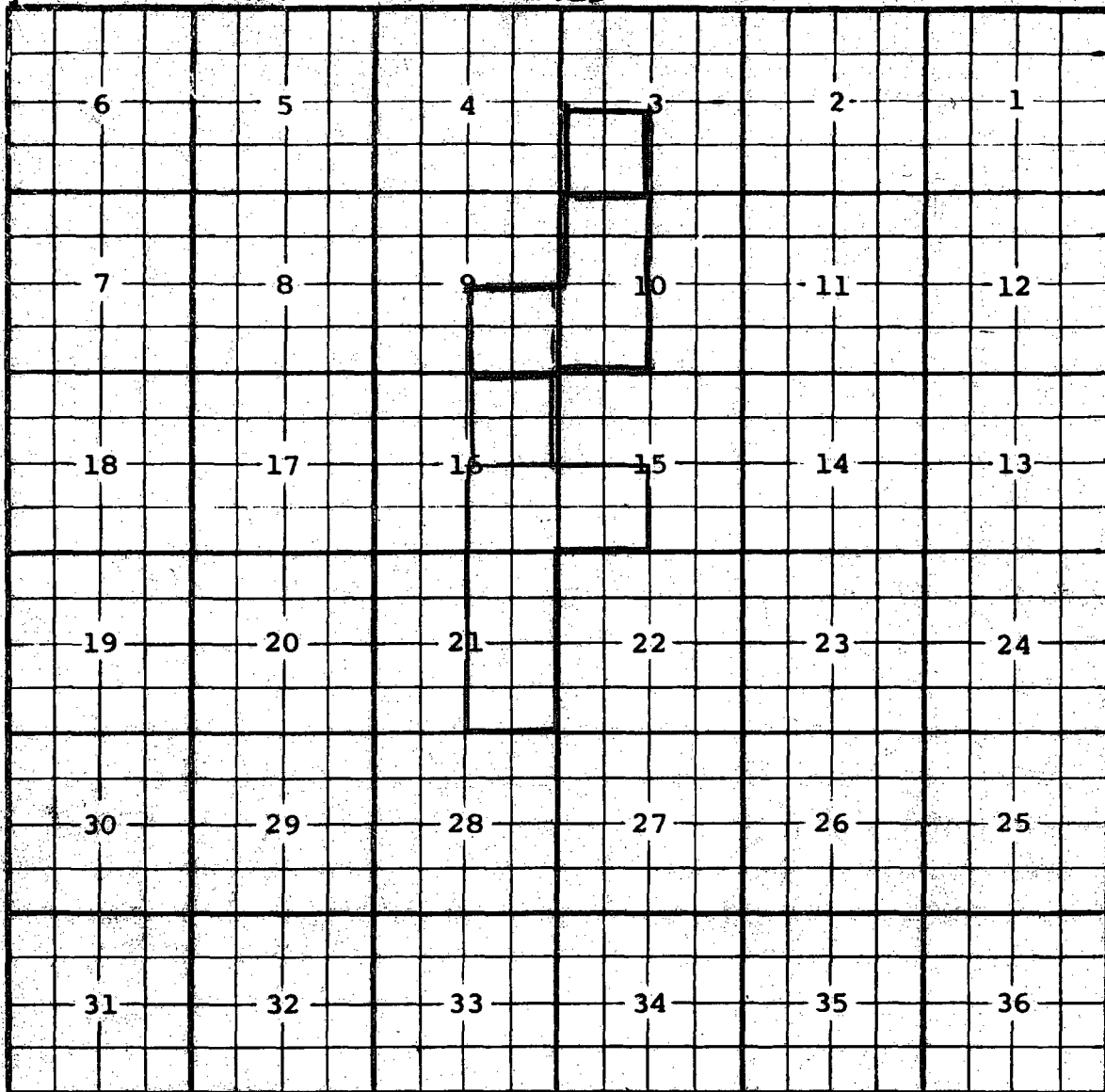
Ext: All Sec 27 (R-5456, 7-1-77) Ext:  $\frac{5}{2}$  Sec. 33 (R-6211, 12-31-79)

Ext:  $\frac{1}{2}$  Sec. 32,  $\frac{1}{2}$  Sec. 33 (R-6449, 9-1-80) EXT: All sec 35 (R-6923, 3-9-82) Ext:  $\frac{1}{2}$  Sec. 22 (R-10342, 4-24-95) EXT:  $\frac{5}{2}$  and  $\frac{NE}{4}$  Sec. 31 (R-11633, 8-10-01)

Ext:  $\frac{1}{2}$  and  $\frac{SE}{4}$  Sec. 31 (R-11729, 2-20-02) Ext:  $\frac{NW}{4}$  Sec. 31 (R-12046, 11-3-03)

COUNTY LeaPOOL Young-Wolfcamp65580TOWNSHIP 18 SouthRANGE 32 East

NMPM



Description:  $\frac{SW}{4}$  Sec 15;  $\frac{SE}{4}$  Sec 16;  $\frac{E}{2}$  Sec 21 (R-3021, 12-22-65)

EXT: NE  $\frac{1}{4}$  SEC 16 (R-9144, 5-1-90) EXT: SE  $\frac{1}{4}$  SEC 9, W  $\frac{1}{2}$  SEC 10 (R-94473-1-91)

Ext: SW  $\frac{1}{4}$  Sec. 3 (R-10177, 8-30-94)

COUNTY Lea

POOL

Querecho Plains-Strawn  
~~Pennsylvanian~~

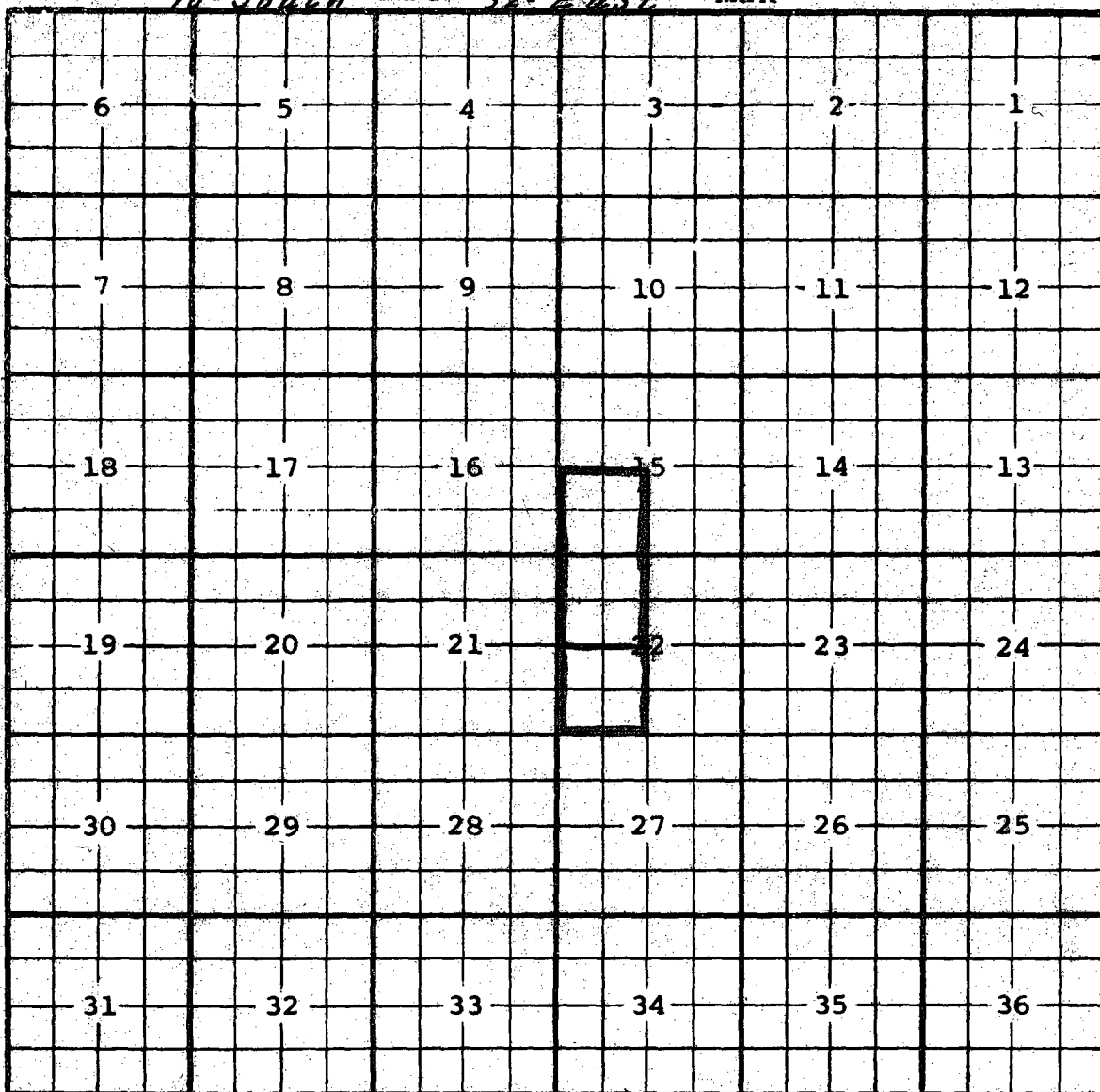
TOWNSHIP

18-South

RANGE

22-East

NMPM

50540

Description:  $\frac{SW}{4}$  Sec. 22, (R-982, 4-23-57).  
Ext.  $\frac{SW}{4}$  Sec. 15;  $\frac{NW}{4}$  Sec. 22 (R-3056, 5-1-66)

Contract vertical limits to include only Strawn formation and redesignate  
as Querecho Plains-Strawn Pool (R-10342, 4-24-95)

CMD : ONGARD 01/12/04 14:31:03  
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TPF7

OGRID Idn : 14744 API Well No: 30 25 36347 APD Status(A/C/P): A  
Opr Name, Addr: MEWBOURNE OIL CO Aprvl/Cncl Date : 06-12-2003  
PO BOX 7698  
TYLER, TX 75711

Prop Idn: 32657 SF 22 FEDERAL COM Well No: 1

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----	-----
Surface Locn :	P	22	18S	32E			FTG 660 F S	FTG 1090 F E
OCD U/L :	P		API County :	25				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): O Cable/Rotary (C/R) : R  
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 3760

State Lease No: Multiple Comp (S/M/C) : S  
Prpsd Depth : 13000 Prpsd Frmtn : MORROW

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

Barry

N.M. Oil Cons. Division  
1625 N. French Dr.  
Hobbs, NM 88240

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

I-20  
739

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMNM-8675	
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator Mewbourne Oil Company - 14744		7. If Unit or CA Agreement, Name and No.	
3a. Address PO Box 5270 Hobbs, NM 88240		8. Lease Name and Well No. SF "22" Federal Com #1	
3b. Phone No. (include area code) 505-393-5905		9. API Well No. 30-025-36347	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 660' FSL & 1090' FEL At proposed prod. zone		10. Field and Pool, or Exploratory Lusk-Morrow, North	
14. Distance in miles and direction from nearest town or post office* 9 miles South of Maljamar, NM		11. Sec., T., R., M., or Blk. and Survey or Area Sec 22-T18S-R32E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660'	16. No. of Acres in lease 320	17. Spacing Unit dedicated to this well 320	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 428'	19. Proposed Depth 13000'	20. BLM/BIA Bond No. on file NM1693, Nationwide	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3760'	22. Approximate date work will start* ASAP	23. Estimated duration 45	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) NM Young	Date 06/12/03
Title Hobbs District Manager		
Approved by (Signature) /s/ JOE G. LARA	Name (Printed/Typed) /s/ JOE G. LARA	Date JUL 28 2003
Title FIELD MANAGER		
Office CARLSBAD FIELD OFFICE		

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, are attached.

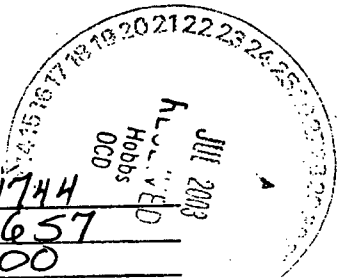
APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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)

Capitan Controlled Water Basin

OPER. OGRID NO. 14744  
PROPERTY NO. 32657  
POOL CODE 80800  
EFF. DATE 7-29-03  
API NO. 30-025-36347



APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

DISTRICT I  
1825 N. French Dr., Hobbs, NM 88240

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 and Natural Resources Department

Form C-102  
Revised March 17, 1999

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

OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-025-36347</b>	Pool Code <b>80800</b>	Pool Name <b>Lusk, Morrow North</b>
Property Code <b>32657</b>	Property Name <b>SF "22" FEDERAL COM.</b>	Well Number <b>1</b>
OCRID No. <b>14744</b>	Operator Name <b>MEWBOURNE OIL COMPANY</b>	Elevation <b>3760'</b>

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	22	18 S	32 E		660'	SOUTH	1090'	EAST	LEA

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 <b>320</b>	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

	<b>OPERATOR CERTIFICATION</b>  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature <u><i>Micky Young</i></u> Printed Name <u>MICKY YOUNG</u> Title <u>DISTRICT MANAGER</u> Date <u>06/12/2003</u>	
	<b>SURVEYOR CERTIFICATION</b>  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.  June 6, 2003 Date Surveyed Signature & Seal of Professional Surveyor <u><i>GARY L JONES</i></u> W.D. No. <u>338</u> Certificate No. <u>Gary L Jones 7977</u> JLP BASIN SURVEYS	

**Drilling Program**  
**Mewbourne Oil Company**  
SF "22" Federal Com #1  
660' FSL & 1090' FEL  
Section 22-T18S-R32E  
Lea County, New Mexico  
Lease Number NMNM-8675

**1. The estimated top of geological markers are as follows:**

Queen	3860'
San Andres	4250'
Delaware	4670'
Bone Spring	6750'
Wolfcamp	10,100'
Strawn	11,500'
Morrow	12,500'

**2. Estimated depths of anticipated fresh water, oil, or gas:**

Water	Approximately 200' <i>to 900' ±</i>
Hydrocarbons	All zones below Queen

**3. Pressure control equipment:**

A 2000 psi working pressure annular BOP will be installed on the 13-3/8" surface casing. A 5000 psi WP Double Ram BOP and a 3000 psi WP Annular will be installed after running 9 5/8" casing. Pressure tests will be conducted prior to drilling out under all casing strings.

BOP controls will be installed prior to drilling under surface casing and will remain in use until completion of drilling operations. BOP's will be inspected and operated daily to insure mechanical integrity and the inspection will be recorded on the daily drilling report.

Kelly cock and a sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position when the kelly is not in use.

**4. Proposed casing and cementing program:**

**A. Casing Program:**

<u>Hole Size</u>	<u>Casing</u>	<u>Wt/Ft.</u>	<u>Grade</u>	<u>Depth</u>
17-1/2"	13-3/8"	48#	H40	0-500' <i>725'</i>
12-1/4"	9-5/8"	40#	N80/J55	0-4500'
8-3/4"	5-1/2"	17#	P110/N80	0-13000'

## **Drilling Program**

**Mewbourne Oil Company**

SF "22" Fed Com #1

Page 2

Minimum casing design factors: Collapse 1.125, Burst 1.0, Tensile strength 1.8.

### **B. Cementing Program**

- i. Surface Casing: 300 sacks Class "C" light cement containing ½ #/sk cellophane flakes, 2% CaCl, 5 lbs/sack gilsonite. 200 sacks Class "C" cement containing 2% CaCl.
- ii. Intermediate Casing: 900 sacks 35:65 pozmix cement containing 6% gel, 5 lbs/sack gilsonite. 200 sacks Class "C" cement containing 2% CaCl.
- iii. Production Casing: 600 sacks Class "H" cement containing fluid loss additive, friction reducer additive, compressive strength enhancer, and NaCl. Shallower productive zones may be protected by utilizing a multiple stage cementing tool in the production casing below potentially productive zones and cementing with a light cement slurry.

*\*Mewbourne Oil Company reserves the right to change cement designs as hole conditions may warrant.*

### **5. Mud Program:**

<u>Interval</u>	<u>Type System</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0'-500' 725'	FW spud mud	8.6-9.4	32-34	NA
500'-4500'	Brine water	10.0-10.2	28-30	NA
4500'-10700'	Cut brine water	8.8-9.2	28.30	NA
10700'-13000'	Cut brine water	9.2-9.8	32-42	8-12

### **6. Evaluation Program:**

Samples: 10'samples from intermediate casing to TD  
Logging: Compensated density and dual laterlog from intermediate casing to TD  
Coring: As needed for evaluation  
Drill Stem Tests: As needed for evaluation

### **7. Downhole Conditions**

Zones of abnormal pressure: None anticipated  
Zones of lost circulation: Anticipated in surface and intermediate holes  
Maximum bottom hole temperature: 180 degree F  
Maximum bottom hole pressure: 9.0 lbs/gal gradient or less



**Drilling Program**

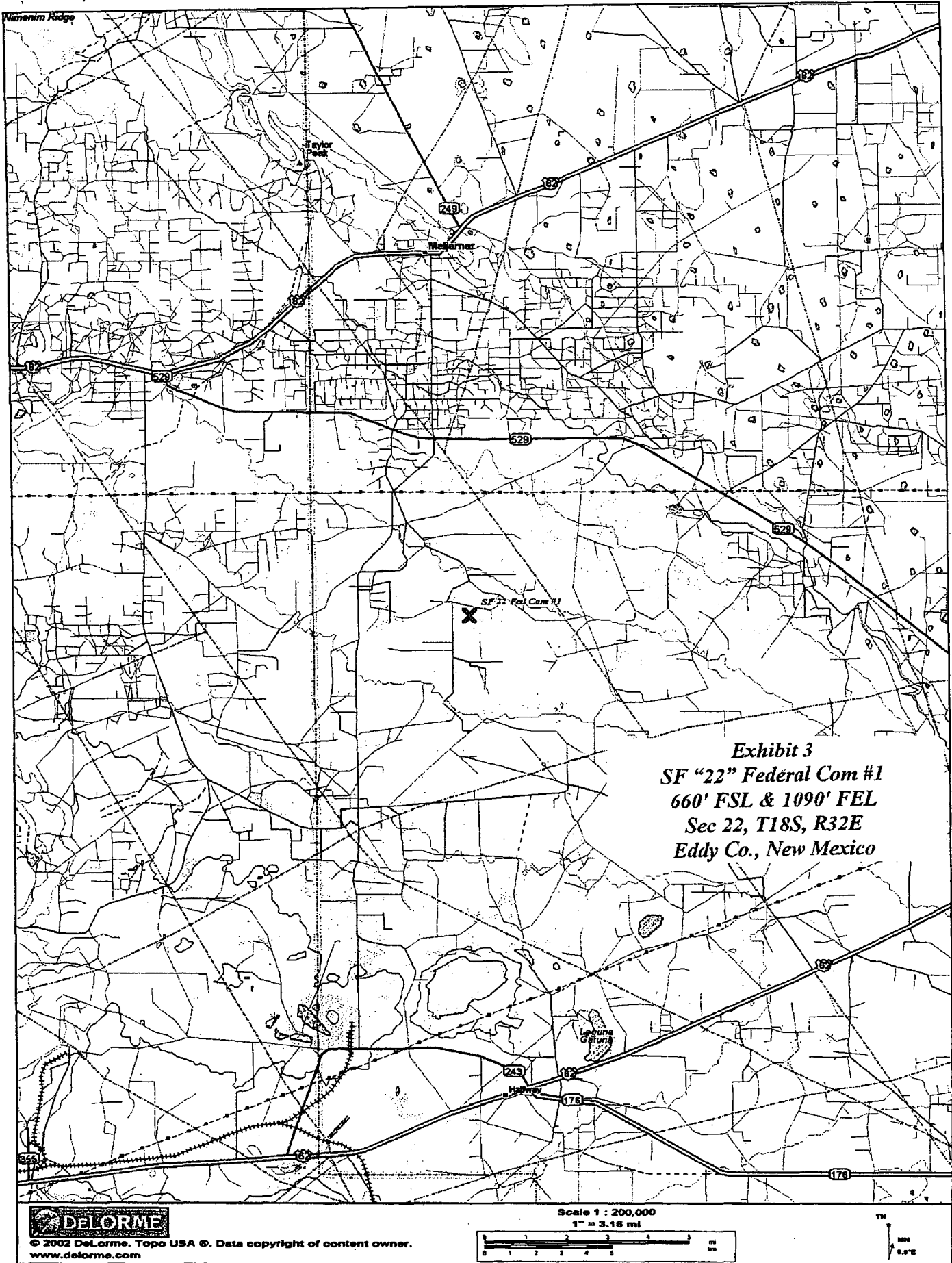
**Mewbourne Oil Company**

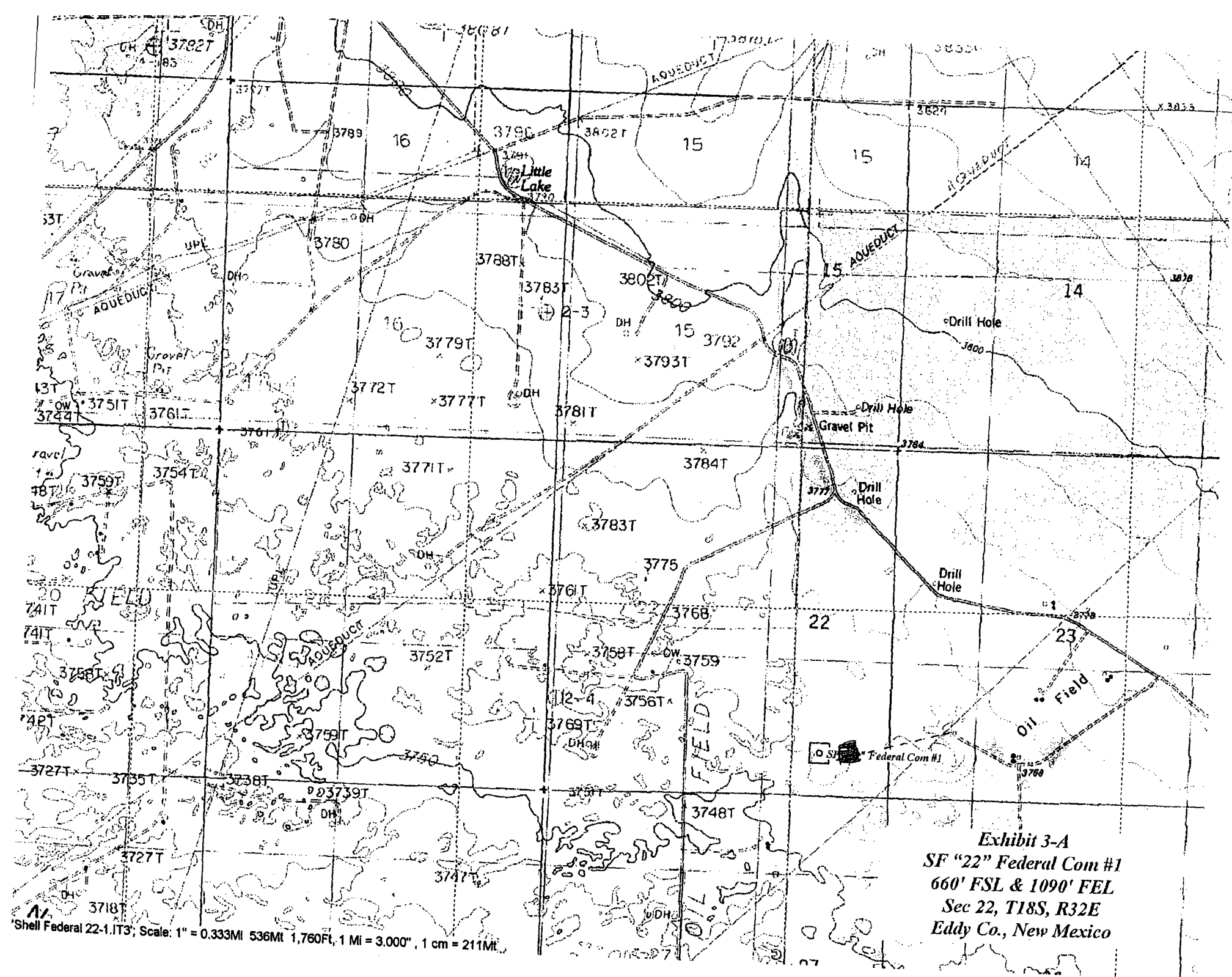
SF "22" Fed Com #1

Page 3

**8. Anticipated Starting Date:**

Mewbourne Oil Company intends to drill this well as soon as possible after receiving approval with approximately 45 days involved in drilling operations and an additional 10 days involved in completion operations on the project.





**Exhibit 3-A**  
**SF "22" Federal Com #1**  
**660' FSL & 1090' FEL**  
**Sec 22, T18S, R32E**  
**Eddy Co., New Mexico**

**United States Department of the Interior  
Bureau of Land Management  
Roswell Field Office  
2909 West Second Street  
Roswell, New Mexico 88201-1287**

**Statement Accepting Responsibility for Operations**

Operator Name: Mewbourne Oil Company  
Street or Box: P.O. Box 5270  
City, State: Hobbs, New Mexico  
Zip Code: 88241

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted of the leased land or portion thereof, as described below.

Lease Number: Lease Number NMNM-8675

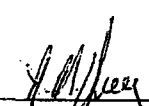
Legal Description of Land: Section 22, T18S, R32E, Lea County, New Mexico. Location  
660' FSL & 1090' FEL of Section 22.

Formation (if applicable):

Bond Coverage: \$150,000

BLM Bond File: NM1693, Nationwide

Authorized Signature: \_\_\_\_\_

  
Name: NM (Micky) Young  
Title: District Manager  
Date: June 11, 2003

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division

1625 N. French Dr.  
Hobbs, NM 88240

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Mewbourne Oil Company 14744

3. Address and Telephone No.

P.O. Box 5270 Hobbs, NM 88241 (505) 393-5905

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

660' FSL & 1090' FEL, Unit Letter P of Sec.22; T18S; R32E

5. Lease Designation and Serial No.  
NMNM-8675

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

SF "22" Federal Com # 1

9. API Well No.

30-025-36347

10. Field and Pool, or Exploratory Area

Lusk Morrow

11. County or Parish, State

Lea, NM

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

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Testing BOP  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Mewbourne Oil Company will test BOP & valves with rig pump before drilling out of 9 5/8" casing. MOC will again test BOP & valves w/ third party tester after first bit run or before Wolfcamp formation.

**BOP's must be tested to the working pressure of the stacks if plugs are used or 70% of rated casing burst pressure if tested open. Test 9 5/8 inch casing to 1500 psi maximum and BOP's per Onshore Order 02. Hard lines must be connected if rig pump implemented for testing these pressures.**

**APPROVED**

AUG 20 2003

GARY GOURLEY  
PETROLEUM ENGINEER

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

Signed

Title Drilling Foreman

Date 08/15/03

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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.

\*See Instruction on Reverse Side

GWW

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division

1625 N. French Dr.

Hobbs, NM 88240

FORM APPROVED  
OMB No. 1004-0135  
Expires: January 31, 2004

**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.**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Mewbourne Oil Company 14744

3a. Address

PO Box 5270 Hobbs, NM 88240

3b. Phone No. (include area code)

505-393-5905

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

660' FSL & 1090' FEL, Unit Letter P of Sec 22-T18S-R32E

5. Lease Serial No.

NMNM-8675

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

SF 22 Federal Com #1

9. API Well No.

30-025-36347

10. Field and Pool, or Exploratory Area

Lusk Morrow, North

11. County or Parish, State

Lea County, NM

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other Spud & Csg Jobs

3. 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 recompleate 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 recompleation 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.)

08/19/03...MI & spud 17 1/2" hole. TD'd hole @ 530'. Ran 530' 13 3/8" 48# H40 ST&C csg. Cemented w/ 235 sks Poz "C" w/ additives. Mixed @ 12.5 #/g w/ 1.97 yd. Tailed w/ 200 sk Class "C" w/ 2% CaCl2. Mixed @ 14.8 #/g w/ 1.34 yd. Circ 65 sks to pit. WOC 18 hrs. Test BOPE to 1000 psi, OK. Drill out w/ 12 1/4" bit.

08/26/03...TD'ed 12 1/4" hole @ 4500'. Ran 4500' 9 5/8" 40# HCK55 Csg. Cemented w/ 1400 sks Poz "C" w/ additives. Mixed @ 12.5 #/g w/ 1.96 yd. Tailed w/ 200 sks Class "C" w/ 2% CaCl2. Mixed @ 14.8 #/g w/ 1.34 yd. Circ 85 sks to pit. WOC 18 hrs. \*Test BOPE as required. All equipment passed. Drill out w/ 8 3/4" bit. Charts and schematic attached.

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

Name (Printed/Typed)

NM Young

Title Hobbs District Manager

Signature

Date 09/15/03

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (Signature)

(ORIG. SGD.) DAVID R. GLASS

Name

(Printed/Typed)

Title

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

Date

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Continued on next page)

GWW

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTN.M. Oil Cons. Division  
1625 N. French Dr.  
Hobbs, NM 88240FORM APPROVED  
OMB No. 1004-0135  
Expires: January 31, 2004**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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side**

## 1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

## 2. Name of Operator

Mewbourne Oil Company 14744

## 3a. Address

PO Box 5270 Hobbs, NM 88240

## 3b. Phone No. (include area code)

505-393-5905

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

Sec 22-T18S-R32E 660' FSL &amp; 1090' FEL Unit letter P

## 5. Lease Serial No.

NMNM-8675

## 6. If Indian, Allottee or Tribe Name

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

## 8. Well Name and No.

SF 22 Federal Com #1

## 9. API Well No.

30-025-36347

## 10. Field and Pool, or Exploratory Area

Lusk Morrow North

## 11. County or Parish, State

Lea County, NM

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

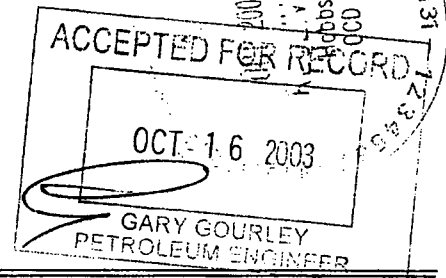
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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 TD & Csg job
	<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	

3. 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 recompleat 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 recompleat 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.)

09/29/03...TD'ed 8 3/4" hole @ 13050'. Ran 13050' 5 1/2" 17# LS110 & N80 LT&C csg. Cemented 1st stage w/ 350 sks Poz 'H' w/ additives. Mixed @ 13.2 #/g w/ 1.64 cf/sk yd. Tailed w/ 725 sks Class 'H' w/ additives. Mixed @ 15.1 #/g w/ 1.29 cf/sk yd. Open DV tool w/715#.  
Circ 100 sks cmt to pit. WOC 6 hrs.  
Cemented 2nd stage w/ 1200 sks Poz 'H' w/additives. Mixed @ 12.5 #/g w/ 1.94 cf/sk yd. Tailed w/ 100 sks Class 'H' w/ additives.  
Mixed @ 15.6 #/g w/ 1.18 cf/sk yd. Closed DV Tool w/2000#.

10/01/03...Release rig.

10/09/03...Ran CBL &amp; found TOC @ 2674'.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

NM Young

Title Hobbs District Manager

Signature

Date 10/14/03

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

## Approved by (Signature)

Name  
(Printed/Typed)

Title

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

Date

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Continued on next page)

GWW

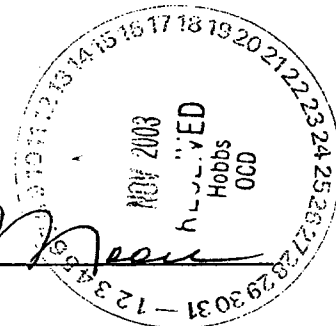
OPERATOR: MEWBOURNE OIL CO.  
WELL/LEASE: SF 22 FED. COM. 1  
COUNTY: LEA

P-22-185-32e 048-0018  
660/5 & 1090/E  
30-025-36347

STATE OF NEW MEXICO  
DEVIATION REPORT

314	3/4	8,234	1
530	3/4	8,484	1
793	1/2	8,740	1
1,078	1/2	8,995	1
1,583	1/2	9,283	1 1/4
1,836	3/4	9,570	1
2,090	1/2	9,826	1 1/2
2,344	3/4	10,081	1 1/4
2,599	1 1/2	10,366	1
2,727	1 1/4	10,616	1/2
2,853	1	10,900	1/2
2,981	3/4	11,262	1
3,492	1/2	11,240	1
3,746	1/2	11,494	1
4,000	1/2	11,731	1
4,256	1 1/4	11,989	1
4,780	1 1/4	12,241	1
4,986	1	12,665	2
5,242	1/4	13,050	2
5,496	1/2		
5,751	1/2		
6,006	1/2		
6,294	1 1/4		
6,421	3/4		
6,643	1		
6,928	1 1/4		
7,214	1 1/4		
7,470	1		
7,724	1/2		
7,980	3/4		

By: Steve Moore



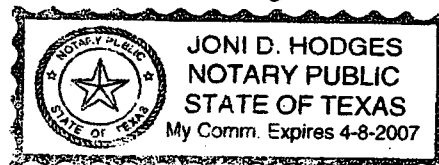
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 10th day of October, 2003, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Joni D. Hodges  
Notary Public for Midland County, Texas

My Commission Expires: 4/08/2007



KCB



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
4301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-10  
Reformatted July 20, 2001

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

Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address Mewbourne Oil Company PO Box 5270 Hobbs, NM 88240		<sup>2</sup> OGRID Number 14744	
		<sup>3</sup> Reason for Filing Code/ Effective Date New Well	
<sup>4</sup> API Number 30-025-36347	<sup>5</sup> Pool Name Lusk Morrow North		<sup>6</sup> Pool Code 80800
<sup>7</sup> Property Code 32657	<sup>8</sup> Property Name SF 22 Federal Com		<sup>9</sup> Well Number 1

THIS WELL HAS BEEN PLACED IN THE POOL  
DESIGNATED BELOW. IF YOU DO NOT CONCUR  
NOTIFY THIS OFFICE.

II. <sup>10</sup> Surface Location

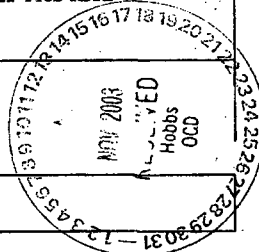
Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	22	18S	32E		660	S	1099	E	Lea

<sup>11</sup> Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code Flowing		<sup>14</sup> Gas Connection Date 10/23/03		<sup>15</sup> C-129 Permit Number		<sup>16</sup> C-129 Effective Date		<sup>17</sup> C-129 Expiration Date

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> POD ULSTR Location and Description
6227057	El Paso Natural Gas PO Box 2511 Houston, TX 77252-2511	1926530	G	Sec 22-T18S-R32E
34053	Plains Marketing 3514 Lovington Hwy Hobbs, NM 88240	2836424	O	Sec 22-T18S-R32E



IV. Produced Water

<sup>23</sup> POD 2836425	<sup>24</sup> POD ULSTR Location and Description
------------------------------	--

V. Well Completion Data

<sup>25</sup> Spud Date 08/17/03	<sup>26</sup> Ready Date 10/26/03	<sup>27</sup> TD 13050	<sup>28</sup> PBTD 11987	<sup>29</sup> Perforations 12554'-12656'	<sup>30</sup> DHC, MC
<sup>31</sup> Hole Size 17 1/2"		<sup>32</sup> Casing & Tubing Size 13 3/4"		<sup>33</sup> Depth Set 530	<sup>34</sup> Sacks Cement 435
12 1/4"		9 1/4"		4500	1600
8 1/4"		5 1/2"		13045	2375
		2 1/4"		12464	

VI. Well Test Data

<sup>35</sup> Date New Oil 10/23/03	<sup>36</sup> Gas Delivery Date 10/23/03	<sup>37</sup> Test Date 11/02/03	<sup>38</sup> Test Length 24	<sup>39</sup> Tbg. Pressure 57	<sup>40</sup> Csg. Pressure 0
<sup>41</sup> Choke Size 48/64	<sup>42</sup> Oil 8	<sup>43</sup> Water 1	<sup>44</sup> Gas 255	<sup>45</sup> AOF	<sup>46</sup> Test Method Sold

<sup>47</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:  
NM Young

Title:  
Hobbs District Manager

Date:  
11/05/03

Phone:  
505-393-5905

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

NOV 19 2003

PETROLEUM ENGINEER

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division

1625 N. French Dr.

Hobbs, NM 88240

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2004

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM-8675

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator

Mewbourne Oil Company 14744

8. Lease Name and Well No.

SF 22 Federal Com #1

3. Address

PO Box 5270 Hobbs, NM 88240

3a. Phone No. (include area code)

505-393-5905

9. API Well No.

30-025-36347 0051

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 660' FSL &amp; 1090' FEL, Unit Letter P

At top prod. interval reported below 660' FSL &amp; 1090' FEL, Unit Letter P

At total depth 660' FSL &amp; 1090' FEL, Unit Letter P

10. Field and Pool, or Exploratory

Lusk Morrow, North

11. Sec., T., R., M., on Block and Survey  
or Area Sec 22-T18S-R32E12. County or Parish  
Lea County13. State  
NM

14. Date Spudded

08/17/03

15. Date T.D. Reached

09/29/03

16. Date Completed

☐ D&A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*

3760'

18. Total Depth: MD

TVD 13050'

19. Plug Back T.D.: MD

12987'

TVD

20. Depth Bridge Plug Set: MD NA

TVD

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

DLL w/Micro, DN w/GR &amp; CBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8	48		530		435 Poz/C	130	Surface	NA
12 1/4	9 5/8 J55	40		4500		1600 Poz/C	537	Surface	NA
8 3/4	5 1/2 N80	17		13045	10058	1st-1075-H	268	10058	NA
						2nd 1300-H	435	2674	NA

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8	12464	12430						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	12830	12838	8'	0.24	17	Set CIBP @ 12810'
B) Morrow	12554	12562	8	0.24	16	
C) Morrow	12572	12578	6	0.24	12	
D) Morrow	12644	12656	12	0.24	24	

26. Perforation Record

Depth Interval	Amount and Type of Material
Acidize 12554'-12656'	2000 gals 7 1/2 HCl NeFe acid with N2 and methanol. Set CIBP @ 12810'.
Acidize & Fraced 12554'-12656'	Acidized with 1500 gals HCl and then frac'ed with 63,000 gals 65Q Binary Foam w/60,000# 20/40 Interppp

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/23/03	11/02/03	24	→	8	255	1	50		Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
48/64	57	0	→	8	255	1	31,875	Producing	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on next page)

ACCEPTED FOR RECORD

ORIG. SGD. DAVID R. GLASS  
NOV 12 2003DAVID R. GLASS  
PETROLEUM ENGINEER

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 29. Disposition of Gas (Sold used for fuel, vented, etc.)

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Rustler	1117				
Yates	2676				
Queen	3887				
Penrose	4106				
San Andres	4518				
Delaware	4642				
Bone Spring	6886				
Wolfcamp	10198				
Strawn	11504				
Atoka	11964				
Morrow	12415				
Chester	12869				
TD	13050				

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

- ☒ 1 Electrical/Mechanical Logs (1 full set req'd.)   
 ☐ 2 Geologic Report   
 ☐ 3 DST Report   
 ☐ 4 Directional Survey  
☐ 5 Sundry Notice for plugging and cement verification   
☐ 6 Core Analysis   
☒ 7 Other: Deviation Report & C104

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) NM YoungTitle Hobbs District MangerSignature Date 11/05/03

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make 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.