

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Arisa, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 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. Manzano Oil Corporation P.O. Box 2107 Roswell, NM 88202-2107		OGRID Number 013954
		API Number 30 - 0 25-34480
Property Code 25248	Property Name Cayuma	Well No. 1- A

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Lot 13	1	16S	36E		3580	South	990	West	Lea

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Proposed Pool 1 Northeast Lovington Penn					Proposed Pool 2				

Work Type Code E	Well Type Code O	Cable/Rotary R	Lease Type Code S	Gross Level Elevation 3879'
Multiple No	Proposed Depth 11,800'	Formation Strawn	Contractor WEK Drilling	Spud Date 2/1/2000

21 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#	462'	460	Circl
11"	8-5/8"	32#	4,348'	1200	Inside 13-3/8"
7-7/8"	5-1/2"	17 & 20#	11,800'	500	300' above upper most pay

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.

MI rotary tools. Install & tsq BOP's. Drill out surface plug and cement plugs @ 412-512'; 2010-2110'; 4290-4390'; 6290-6390' & 8420-8520'. Clean out to 9400'. Set whip-stock plug from 9400' back to 9200'. Dress-off plug. Whipstock hole and drill vertical hole to 11,800'. Run open hole logs. DST Strawn. Run 5-1/2" production if justified.

Approval for drilling only -- CANNOT produce until Non-Standard Location is approved in Santa Fe.

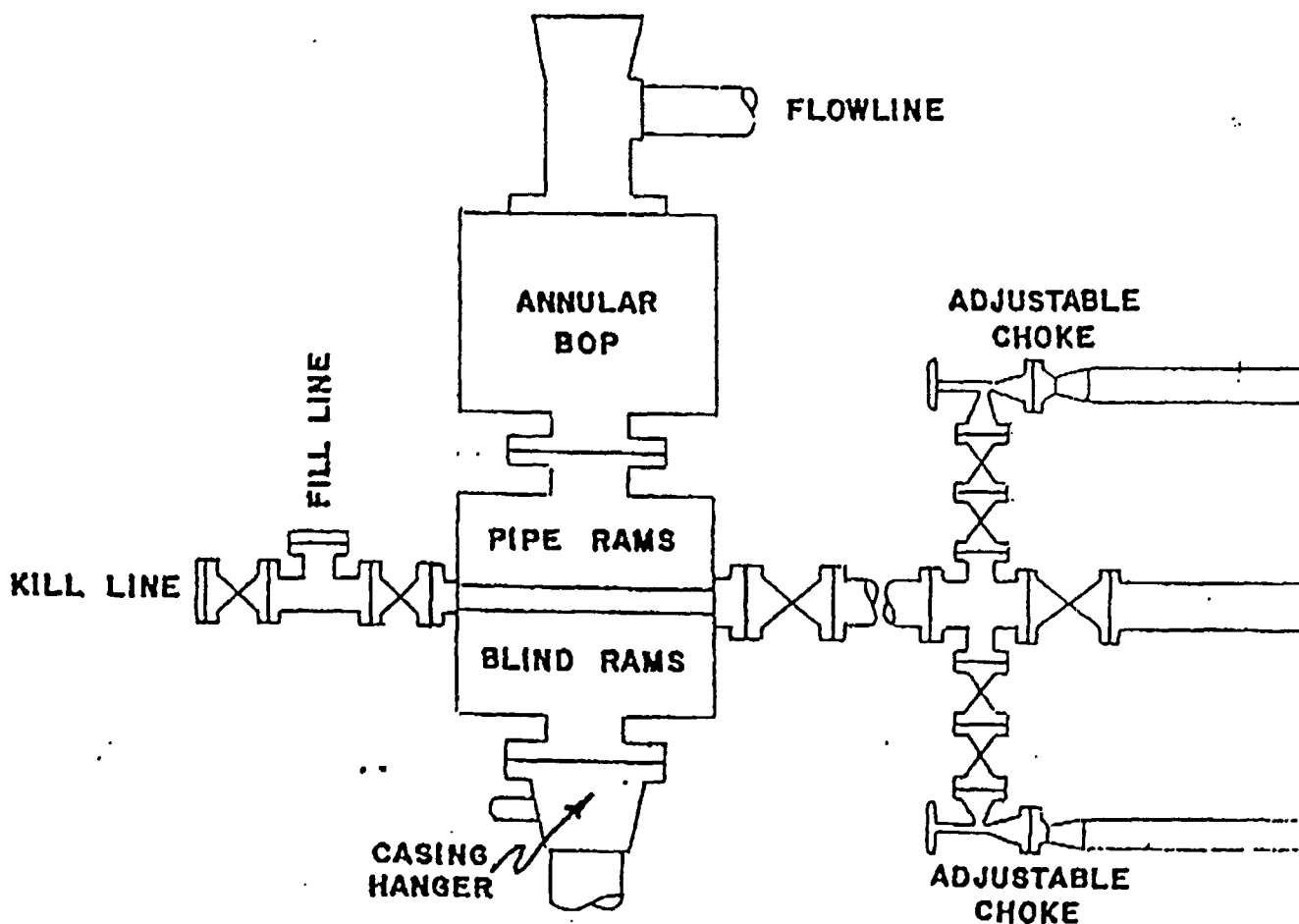
I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Donnie E. Brown</i> Printed name: Donnie E. Brown Title: VP Engineering Date: 1/11/2000		OIL CONSERVATION DIVISION Approved by: <i>Chris Williams</i> Title: DISTRICT 1 SUPERVISOR Approval Date: JAN 18 2000 Expiration Date: Conditions of Approval Attached <input type="checkbox"/>	
--	--	--	--



RIG #4

BLOWOUT PREVENTOR ARRANGEMENT

11" SHAFFER TYPE LWS, 5000 psi WP
11" CAMERON SPHERICAL, 5000 psi WP
120 GALLON, 5 STATION KOOMEY ACCUMULATOR
5000 psi WP CHOKE MANIFOLD



Manzano Oil Corporation's
Cayuma #1-A
3580 FSL & 990 FWL
Sec 1, T16S, R36E
Lea County, New Mexico

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number 30-025-34480		* Pool Code 40760	* Pool Name Northeast Lovington Penn
* Property Code 25248	* Property Name Cayuma		* Well Number 1 FE
* OGRID No. 013954	* Operator Name Manzano Oil Corporation		* Elevation 3879'

¹⁰ Surface Location

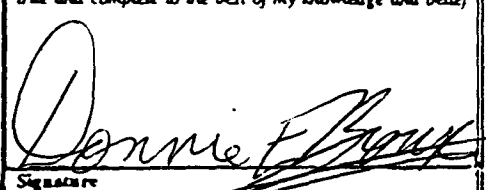
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Lot 13	1	16S	36E		3580	South	990	West	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedication Acres 80	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

16	12	11	10	9	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Donnie E. Brown Printed Name VP Engineering Title 1/11/2000 Date
40.00 AC	40.00 AC	40.00 AC	40.00 AC		
990'	13	14	15	16	
40.00 AC	40.00 AC	40.00 AC	40.00 AC		
					¹⁸ 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. Date of Survey Signature and Seal of Professional Surveyer: Certificate Number

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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO.
3002534480

Indicate Type of Lease

STATE ☒

FEE ☐

State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

Lease Name or Unit Agreement Name
CAYUMA

Type of Well:

OIL
WELL ☐

GAS
WELL ☐

OTHER DRY HOLE

Name of Operator
CONCHO RESOURCES INC.

Well No.
1

Address of Operator
110 W. LOUISIANA STE 410, MIDLAND TX 79701

Pool name or Wildcat
NORTHEAST LOVINGTON PENN

Well Location

Unit Letter M : 3580 Feet From The SOUTH Line and 990 Feet From The WEST Line

Section 1 Township 16S Range 36E NMPM LEA County

Elevation (Show whether DF, RKB, RT, GR, etc.)
3879

11

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ANBANDONMENT ☒

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

4/28/99 TD @ 11860'. CALLED GARY WINK FOR P&A INSTRUCTION.

4/29/99 CUT DRLG LINE.

5/1/99 SET CMT PLUGS TO P&A WELL. SET 30 SX CLASS H PLUGS @ 11760-11660', 10210-10110'.

5/2/99 SET 30 SX CLASS H PLUGS @ 8520-8420', 6390-6290', 4390-4290', 2110-2010', 512-412'. SET 10 SX SURFACE PLUG. RELEASE RIG @ 7:00 PM CST. INSTALL P&A MARKER.

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

SIGNATURE [Signature] TITLE PRODUCTION ANALYST DATE 05-06-99

TYPE OR PRINT NAME TELEPHONE NO.

(This space for State Use)

APPROVED BY [Signature] TITLE OIL & GAS INSPECTOR DATE JAN 12 2000

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

Form C-105
Revised 1-1-89

WELL API NO.
3002534480

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

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 ☐

2. Name of Operator

CONCHO RESOURCES INC.

3. Address of Operator

110 W LOUISIANA STE 410; MIDLAND TX 79701

7. Lease Name or Unit Agreement Name

CAYUMA

8. Well No.

1

9. Pool name or Wildcat

NORTHEAST LOVINGTON PENN

4. Well Location

Unit Letter **N** : **3580** Feet From The **SOUTH** Line and **990** Feet From The **WEST** Line
Section **1** Township **16S** Range **36E** NMPM LEA County

10. Date Spudded

03/29/99

11. Date T.D. Reached

04/28/99

12. Date Compl. (Ready to Prod.)

13. Elevations (DF & RKB, RT, GR, etc.)

3879

14. Elev. Casinghead

15. Total Depth

11860

16. Plug Back T.D.

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

20. Was Directional Survey Made

Yes

21. Type Electric and Other Logs Run

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	462	17-1/2	460	0
8-5/8	32	4348	11	1200	0

24.

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. **TUBING RECORD**

26. Perforation record (interval, size, and number)

NONE

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

28.

PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in) PLUGGED/ABANDONED	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - BbL.	Gas - MCF	Water - BbL.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24- Hour Rate	Oil - BbL.	Gas - MCF	Water - BbL.	Oil Gravity - API - (Corr.)	

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

Test Witnessed By

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

Printed
Name

TERRI STATHEM

Title

PRODUCTION ANALYST

Date

05/06/99

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all specific tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____ 11680.0	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 3225.0	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____ 4310.0	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____ 8470.0	T. Rustler _____ 2080.0	T. Wingate _____	T. _____
T. Wolfcamp _____	T. XX _____ 10160.0	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from to
No. 2, from to
No. 3, from to
No. 4, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet

No. 2, from to feet

No. 3, from to feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology

From	To	Thickness in Feet	Lithology

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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO.

30025 34480

Indicate Type of Lease

STATE ☒

FEE ☐

State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

Type of Well:

OIL
WELL ☒

GAS
WELL ☐

OTHER

Name of Operator
Concho Resources Inc.

Well No.

1

Address of Operator
110 W. Louisiana, Ste 410; Midland, Tx 79701

Pool name or Wildcat

Northeast Lovington Penn

Well Location

Unit Letter M : 3580 Feet From The South Line and 990 Feet From The West Line

Section 1 Township 16S Range 36E NMPM Lea County

Elevation (Show whether DF, RKB, RT, GR, etc.)

3879

11

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ANBANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Run Int. Csg ☒

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

04-06-99 RIH & set 8-5/8" intermediate csg @ 4348' w/ 1000 sx 50/50 POZ C + additives and tailed w/ 200 sx "C" + 2% CaCl. Circ. 25 sx

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

SIGNATURE

TITLE Production Analyst

DATE 04-15-99

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

DISTRICT I SUPERVISOR

APR 21 1999

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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO.

30025-34480

Indicate Type of Lease

STATE ☒

FEE ☐

State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

Type of Well:

OIL
WELL ☒

GAS
WELL ☐

OTHER

Name of Operator
CONCHO RESOURCES INC.

Well No.

1

Address of Operator
110 W LOUISIANA STE 410; MIDLAND TX 79701

Pool name or Wildcat
NORTHEAST LOVINGTON PENN

Well Location

Unit Letter M : 3580 Feet From The SOUTH Line and 990 Feet From The WEST Line

Section 1 Township 16S Range 36E NMPM LEA County

Elevation (Show whether DF, RKB, RT, GR, etc.)

3879

11

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ANBANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: SPUD AND SET SURFACE CSG ☒

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

3/29/99 SPUD WELL @ 10:30 PM.

3/30/99 RIH W/ 13-3/8", 48#, ST&C, H-60 CSG AND SET @ 462' W/ 310 SKS 35/65 POZ C CMT + ADDITIVES, TAILED W/ 150 SKS CLASS C + ADDIVITES. CIRC 92 SKS TO SURFACE.

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

SIGNATURE

TITLE

PRODUCTION ANALYST

DATE 04-01-99

TYPE OR PRINT NAME TERRI STATHEM

TELEPHONE NO. 915-683-7443

(This space for State Use)

APPROVED BY

TITLE

DISTRICT SUPERVISOR

DATE

APR 12 1999

CONDITIONS OF APPROVAL, IF ANY:

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
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☐ AMENDED REPORT

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

Operator Name and Address. Concho Resources Inc. 110 W. Louisiana, Ste 410 Midland, Tx 79701		OGRID Number 166111
		API Number 30-025-34480
Property Code 23921	Property Name Cayuma	Well No. 1

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M 13	1	16S	36E		3580	South	990	West	Lea

8 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
M 13	1	16S	36E		3175	South	743	West	Lea

Proposed Pool 1 Northeast Lovington Penn	Proposed Pool 2
---	-----------------

Work Type Code N	Well Type Code O	Cable/Rotary Rotary	Lease Type Code S	Ground Level Elevation 3879'
Multiple S	Proposed Depth 12,000	Formation Strawn	Contractor	Spud Date 12/98

21 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#	450'	445 sks	surface
11"	8-5/8"	32#	4500'	1735 sks	100'
7-7/8"	5-1/2"	17#	12000'	840 sks	4450'

22 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.

It is proposed to drill the Cayuma #1 to the Northeast Lovington Penn pool. The above reflects our intentions regarding the casing program. The well is intended to be a vertical hole to approximately 9,500' at which time the well will be directionally drilled to an approximate bottom hole location of 3175' FSL & 743' FWL. The surface location was moved to accomodate a surface dwelling. Attached you will find the proposed mud program and directional plan for the wellbore.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

Change of
Operator

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

Signature: *Terri Stathem*
Printed name: Terri Stathem
Title: Production Analyst

OIL CONSERVATION DIVISION

Approved by: *Chris Williams*
Title: DISTRICT 1 SUPERVISOR
Approval Date: DEC. 21 1998 Expiration Date:

DISTRICT I
P.O. Box 1880, Hobbs, NM 88241-1880

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
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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 30025-34480	Pool Code	Pool Name Northeast Lovington Penn
Property Code	Property Name CAYUMA	Well Number 1
OGRID No. 166111	Operator Name CONCHO RESOURCES, INC.	Elevation 3879

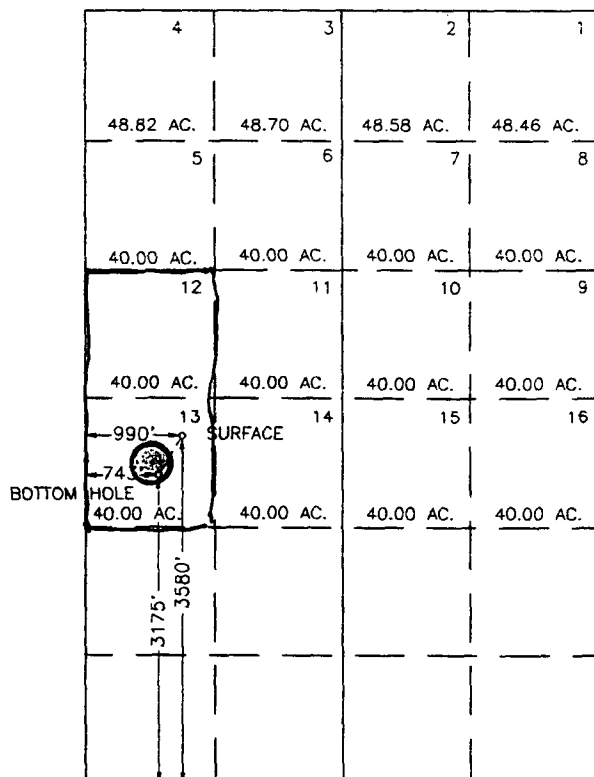
Surface Location

UL or lot No. LOT 13	Section 1	Township 16 S	Range 36 E	Lot Idn	Feet from the 3580	North/South line SOUTH	Feet from the 990	East/West line WEST	County LEA
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Bottom Hole Location If Different From Surface

UL or lot No. LOT 13	Section 1	Township 16 S	Range 36 E	Lot Idn	Feet from the 3175	North/South line SOUTH	Feet from the 743	East/West line WEST	County LEA
Dedicated Acres 80	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.

Signature

Terri Statham
Printed Name

Production Analyst
Title

12/4/98
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.

OCTOBER 7, 1998

Date Surveyed: DMCC

Signature & Seal of
Professional Surveyor

Ronald J. Eidson
10-13-98
98-11-1352

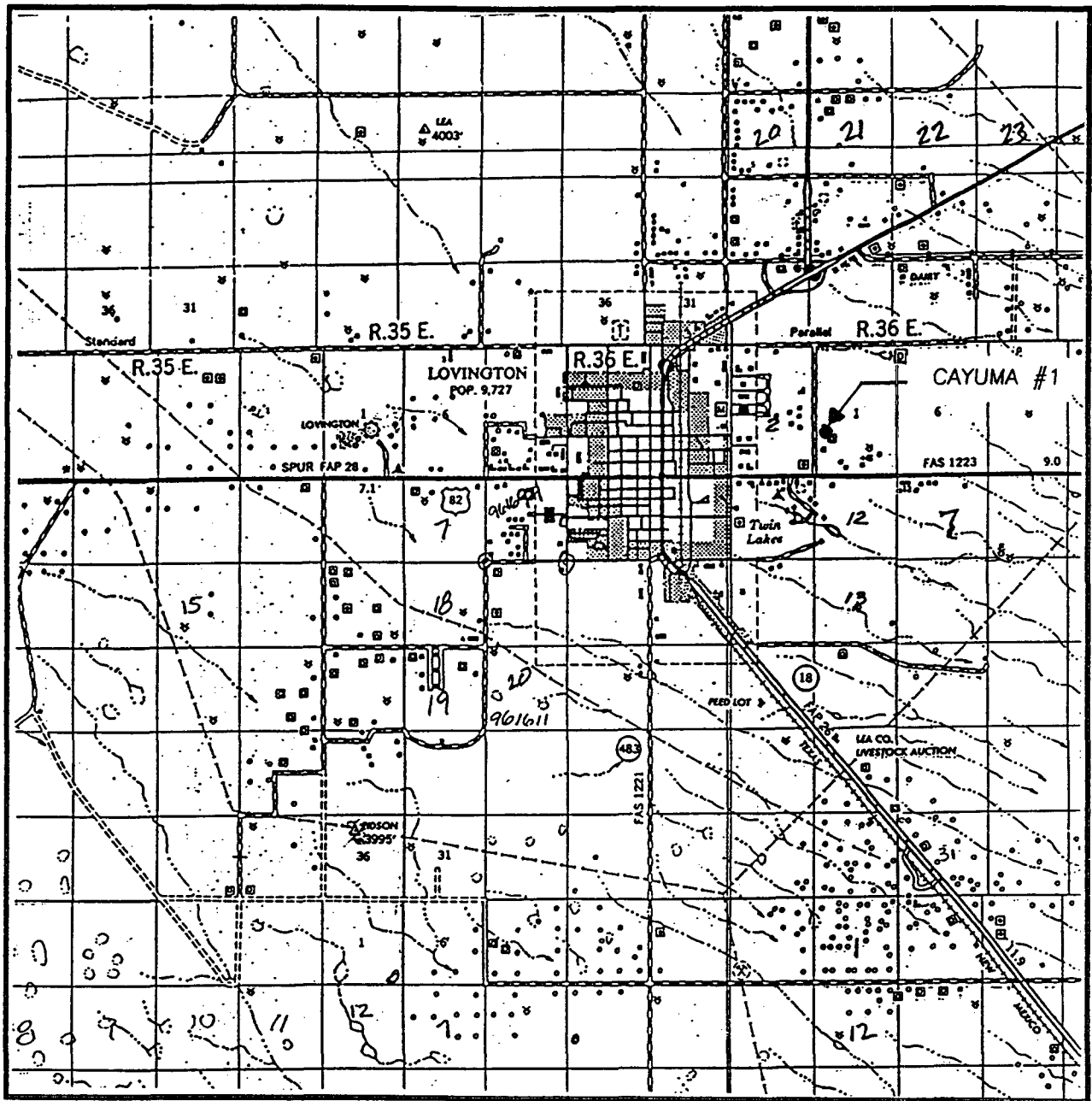
Certificate No. JOHN W. WEST 676
RONALD J. EIDSON 3239
GARY EIDSON 12641

South Shoebar 15 State Com #1

BOP Prevention Program

Blowout preventers will be Cameron S-S 11", 5000# double ram; Hydril GK 11", 5000# annular preventer, Koomey 80-gal, 4-station closing unit. Mud/gas separator will be installed @ 4950'. PVT equipment will be installed at $\pm 11,000+$.

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 1 TWP. 16-S RGE. 36-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 3580' FSL & 990' FWL

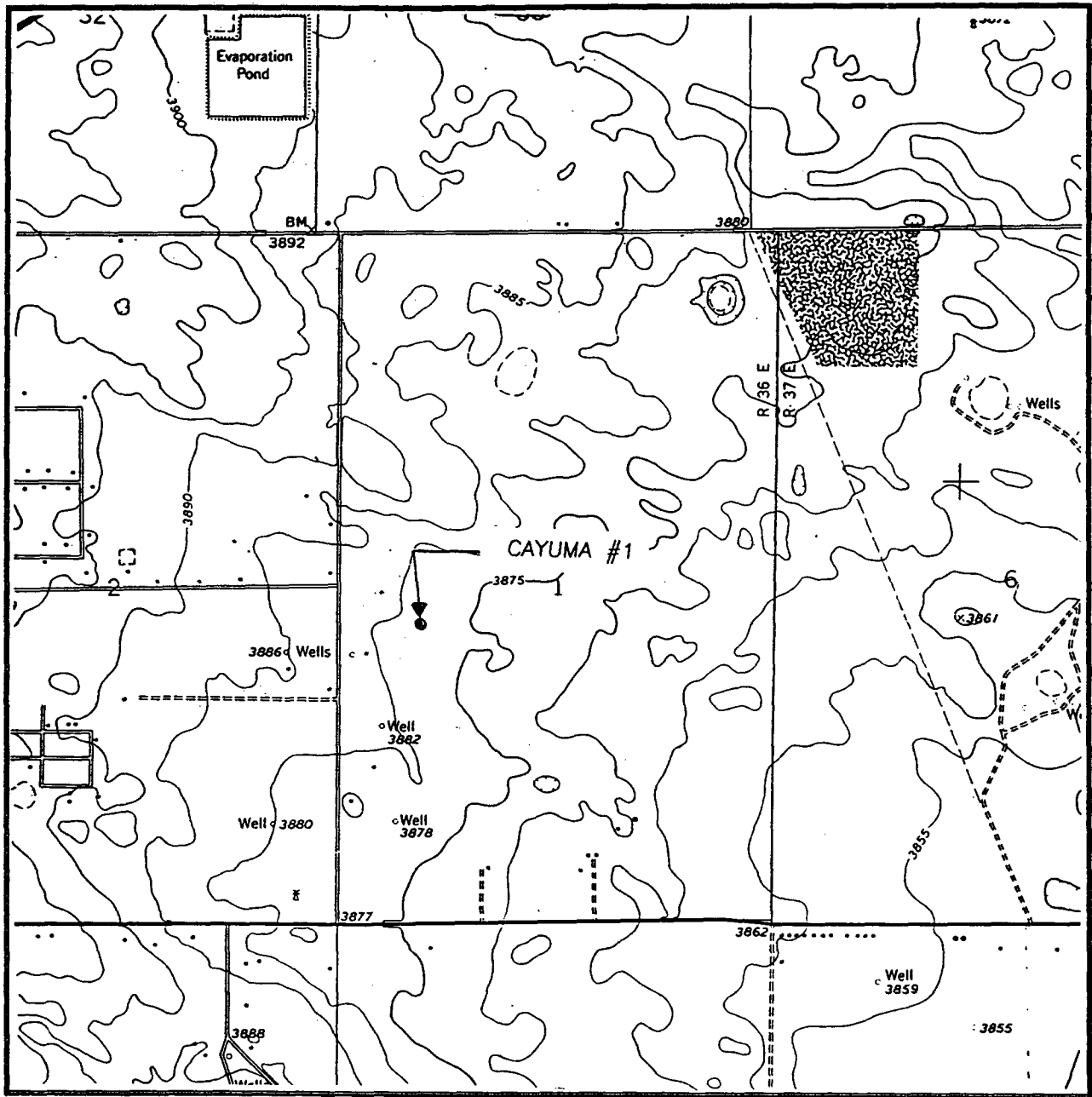
ELEVATION 3879

OPERATOR CONCHO RESOURCES, INC.

LEASE CAYUMA

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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
LOVINGTON - 5'

SEC. 1 TWP. 16-S RGE. 36-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 3580' FSL & 990' FWL

ELEVATION 3879

OPERATOR CONCHO RESOURCES, INC.

LEASE CAYUMA

U.S.G.S. TOPOGRAPHIC MAP

LOVINGTON, N.M.

**JOHN WEST ENGINEERING
HOBBS, NEW MEXICO**

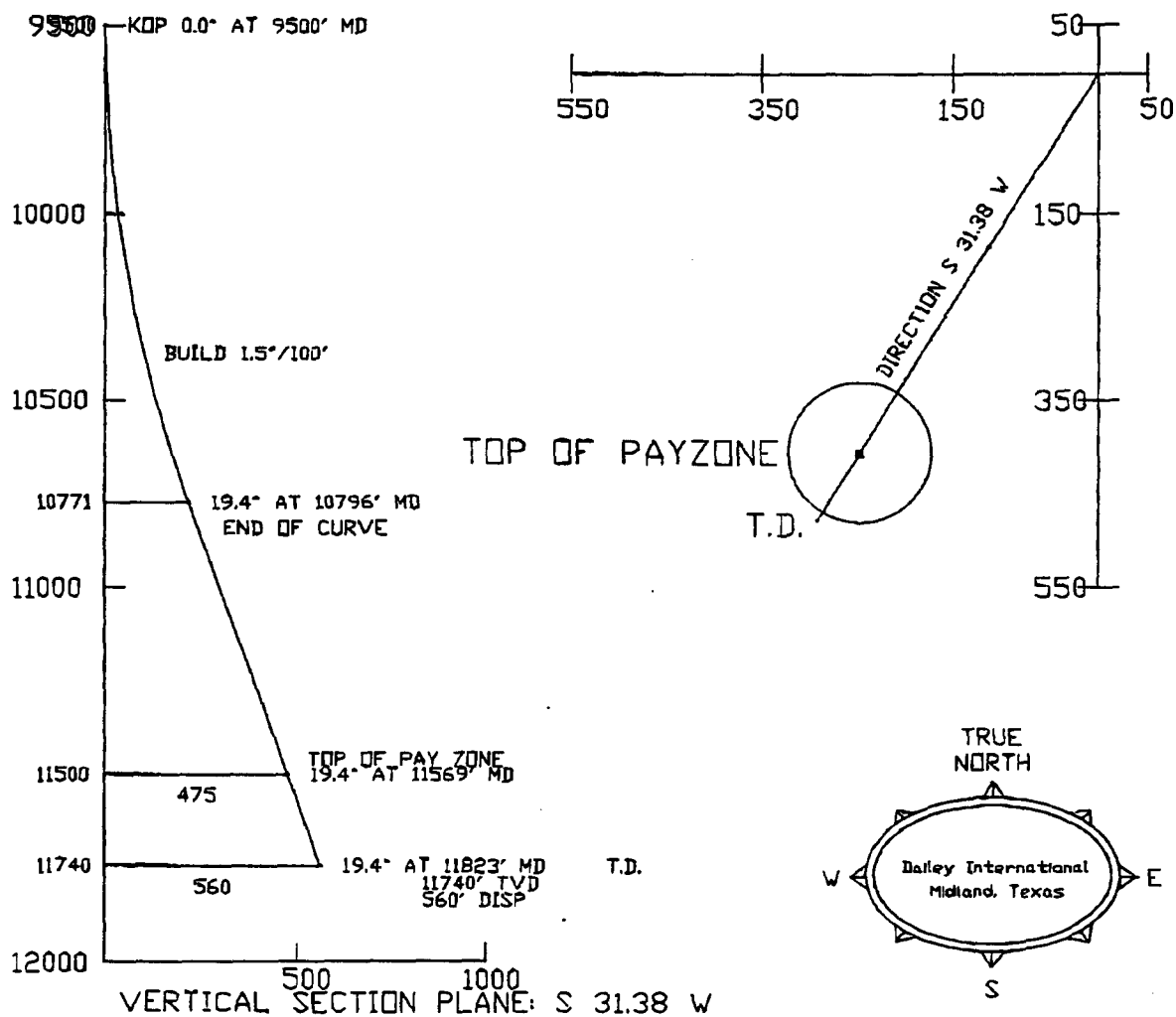
(505) 393-3117

CONCHO RESOURCES LOVINGTON PROSPECT LEA COUNTY, NEW MEXICO

Dailey International, Inc.

VERTICAL SECTION
SCALE: 500 FEET/DIVISION
REFERENCE: WELL HEAD

HORIZONTAL PLAN
SCALE: 200 FEET/DIVISION
REFERENCE: WELL HEAD



Project Summary

Casing Size (in)	Hole Size (in)	Casing Program	Depth (ft)	TVD (ft)	Mud System	Mud Weight (ppg)	Sum Days	Cumulative Mud Cost (\$1,000)
13 3/8	17 1/2		425	425	M-I Gel/Lime - Spud Mud Fresh/Native	8.8 - 9.2	1	750
8 5/8	12 1/4		4,750	4,750	Fresh/Native Brine/Native	8.4 - 9.6 9.8 - 10.4	8	3,500
5 1/2	7 7/8		11,800	11,800	Fresh Water M-I Gel/Polypac/ Poly Plus	8.4 8.8 - 9.0	29	14,000

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. HENRY PETROLEUM CORPORATION 3525 Andrews Highway - Suite 200 Midland, TX 79703-5000		OGRID Number 155453
		API Number 30-025-34480
Property Code 2.3589	Property Name CAYUMA	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
Lot 13	1	16 S	36 E		3175	South	743	West	Lea

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 N.E. Lovington (Penn)					Proposed Pool 2				

Work Type Code N	Well Type Code O	Cable/Rotary R	Lease Type Code P	Ground Level Elevation 3879
Multiple NO	Proposed Depth 11900	Formation STRAWN	Contractor Unknown	Spud Date Unknown

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	54.5	400	450	Circ.
11	8-5/8	32	4400	1000	400
7-7/8	5-1/2	17 & 20	11900	To be designed	600'
				above uppermost pay.	

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.

B.O.P. Equipment: 13-3/8" x 10,000# Shaffer double ram and 13-3/8" x 10,000# Shaffer annular or 13-3/8" x 5,000# Cameron double ram with H2s service and 13-3/8" x 5,000# Hydril annular, 4" double valve 5,000# choke manifold, Koomey 6-station accumulator with remote closing unit.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

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

Signature:

Printed name:

Roy R. Johnson

8-3-98

Title:

Regulatory & Materials Tech.

OIL CONSERVATION DIVISION

Approved by:

Chris Williams

Title:

DISTRICT 1 SUPERVISOR

Approval Date:

AUG 06 1998

Expiration Date:

915-694-3000

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

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

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 30-025-34480	Pool Code 40760	Pool Name N.E. Lovington (Penn)
Property Code 23589	Property Name CAYUMA	Well Number 1
OGRID No. 155453	Operator Name HENRY PETROLEUM CORPORATION	Elevation 3879

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 13	1	16 S	36 E		3175	SOUTH	743	WEST	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 80	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

4	3	2	1
48.82 AC.	48.70 AC.	48.58 AC.	48.46 AC.
5	6	7	8
40.00 AC.	40.00 AC.	40.00 AC.	40.00 AC.
12	11	10	9
40.00 AC.	40.00 AC.	40.00 AC.	40.00 AC.
13	14	15	16
40.00 AC.	40.00 AC.	40.00 AC.	40.00 AC.
743'			
3175'			

OPERATOR CERTIFICATION

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

Roy R. Johnson
Signature

ROY R. JOHNSON
Printed Name

Regulatory & Materials
Title

August 03, 1998
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.

JULY 30, 1998

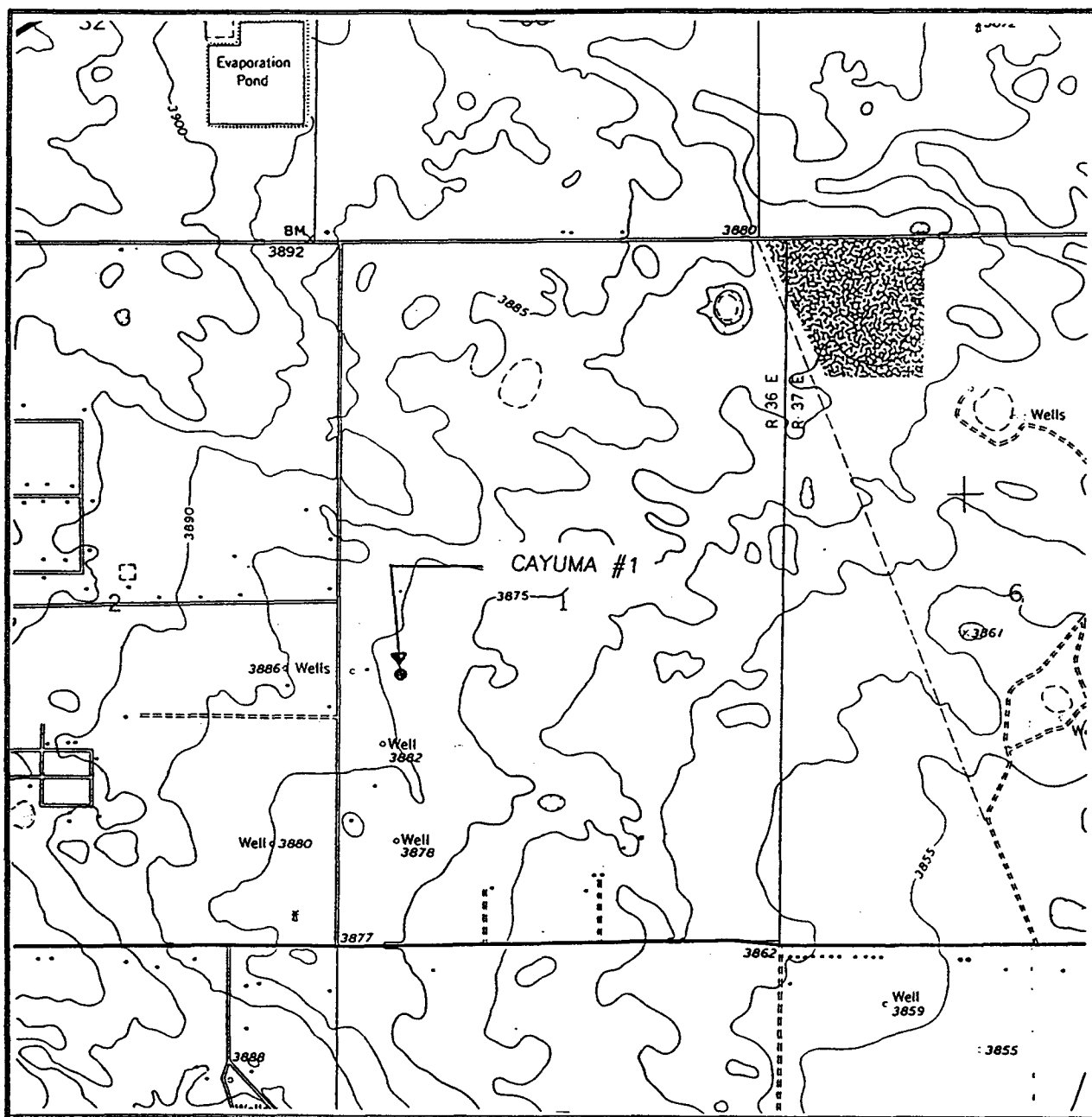
Date Surveyed
Signature & Seal of
Professional Surveyor

DMCC

Ronald J. Eubank
7-31-98
88-11-1094

Certified to: JOHN W. WEST
PROFESSIONAL SURVEYOR
EIDSON
676
3239
12641

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
LOVINGTON - 5'

SEC. 1 TWP. 16-S RGE. 36-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 3175' FSL & 743' FWL

ELEVATION 3879

OPERATOR HENRY PETROLEUM CORPORATION

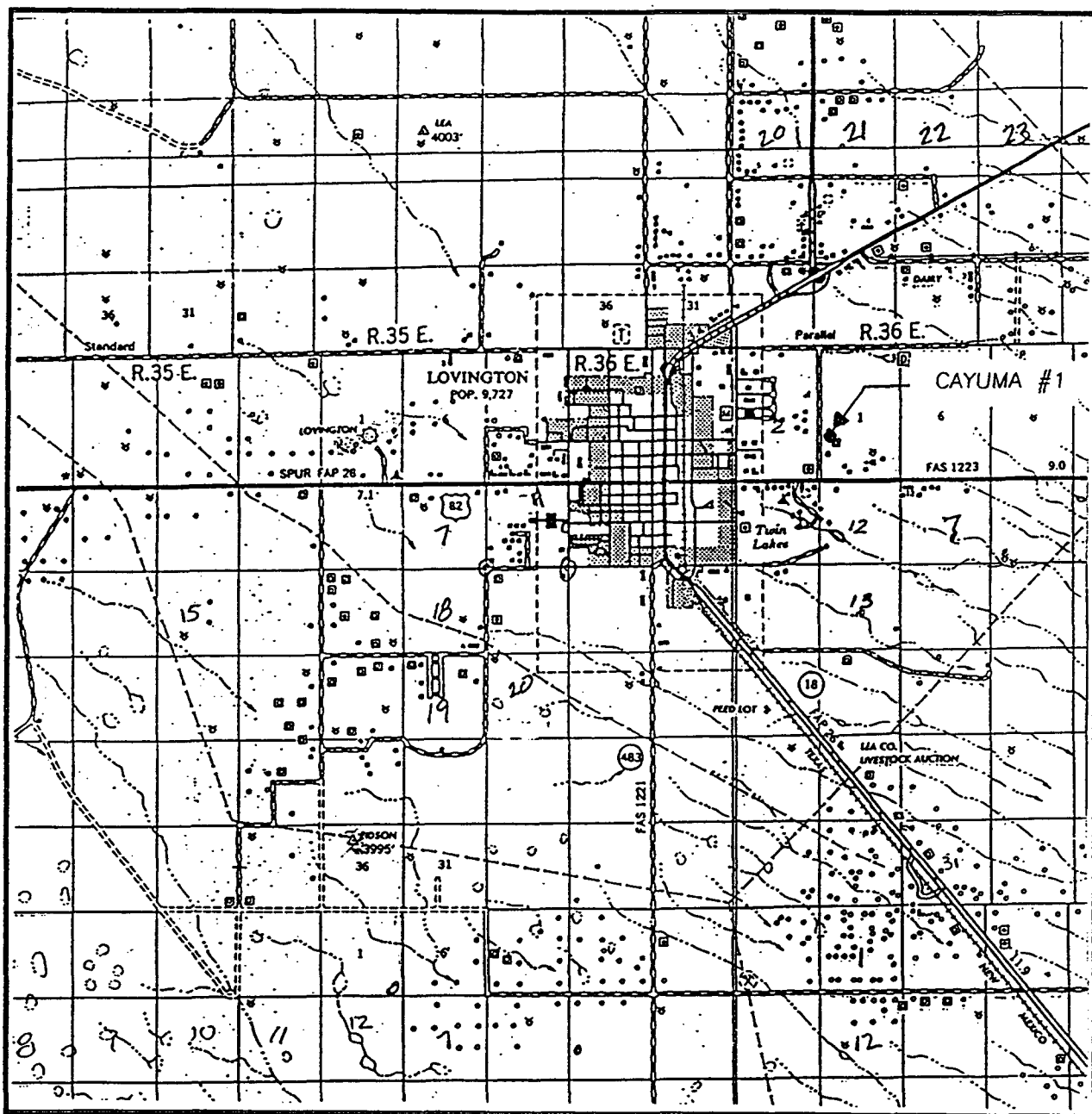
LEASE CAYUMA

U.S.G.S. TOPOGRAPHIC MAP

LOVINGTON, N.M.

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

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 1 TWP. 16-S RGE. 36-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 3175' FSL & 743' FWL

ELEVATION 3879

OPERATOR HENRY PETROLEUM CORPORATION

LEASE CAYUMA

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

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

03/02/00 09:36:07
OGOMES -TP9S
PAGE NO: 1

Sec : 01 Twp : 16S Rng : 36E Section Type : LONG

12 40.00	4 48.82	5 40.00	11 40.00	3 48.70	6 40.00	10 40.00	2 48.58	7 40.00	1 48.46	8 40.00	9 40.00
Federal owned			Federal owned			MH MH B02330 0010 TEXACO EXPLORATIO 01/02/39			MH MH OPEN State part owner 01/02/39		
13 40.00			14 40.00			15 40.00			16 40.00		
Federal owned			Federal owned			Federal owned			Federal owned		
A									A		

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

03/02/00 09:36:25
OGOMES -TP9S
PAGE NO: 2

Sec : 01 Twp : 16S Rng : 36E Section Type : LONG

L 40.00	K 40.00	J 40.00	I 40.00
Fee owned	Fee owned	Fee owned	Fee owned
			P
M 40.00	N 40.00	O 40.00	P 40.00
Fee owned	Fee owned	Fee owned	Fee owned
			A

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD : ONGARD 03/02/00 09:35:27
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TP9S

API Well No : 30 25 34480 Eff Date : 01-12-2000 WC Status : P
Pool Idn : 40760 LOVINGTON;PENN, NORTHEAST
OGRID Idn : 166111 CONCHO RESOURCES, INC.
Prop Idn : 23921 CAYUMA

Well No : 001
GL Elevation: 3879

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn	: 13	1	16S	36E	FTG 3169 F S FTG	636 F W	A
Lot Identifier:							
Dedicated Acre:							
Lease Type	: S						
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :							

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD : ONGARD 03/02/00 09:36:10
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TP9S

OGRID Idn : 13954 API Well No: 30 25 34480 APD Status(A/C/P): A
Opr Name, Addr: MANZANO OIL CORP Aprvl/Cncl Date : 01-18-2000
PO BOX 2107
ROSWELL,NM 88202

Prop Idn: 25248 CAYUMA Well No: 1

	U/L	Sec	Township	Range	Lot Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----
Surface Locn :	13	1	16S	36E		FTG 3580 F S	FTG 990 F W
OCD U/L :	M		API County :	25			

Work typ(N/E/D/P/A) : E Well typ(O/G/M/I/S/W/C): O Cable/Rotary (C/R) : F
Lease typ(F/S/P/N/J/U/I): S Ground Level Elevation : 3879

State Lease No: Multiple Comp (Y/N) : S
Prpsd Depth : 11800 Prpsd Frmtn : STRAWN

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

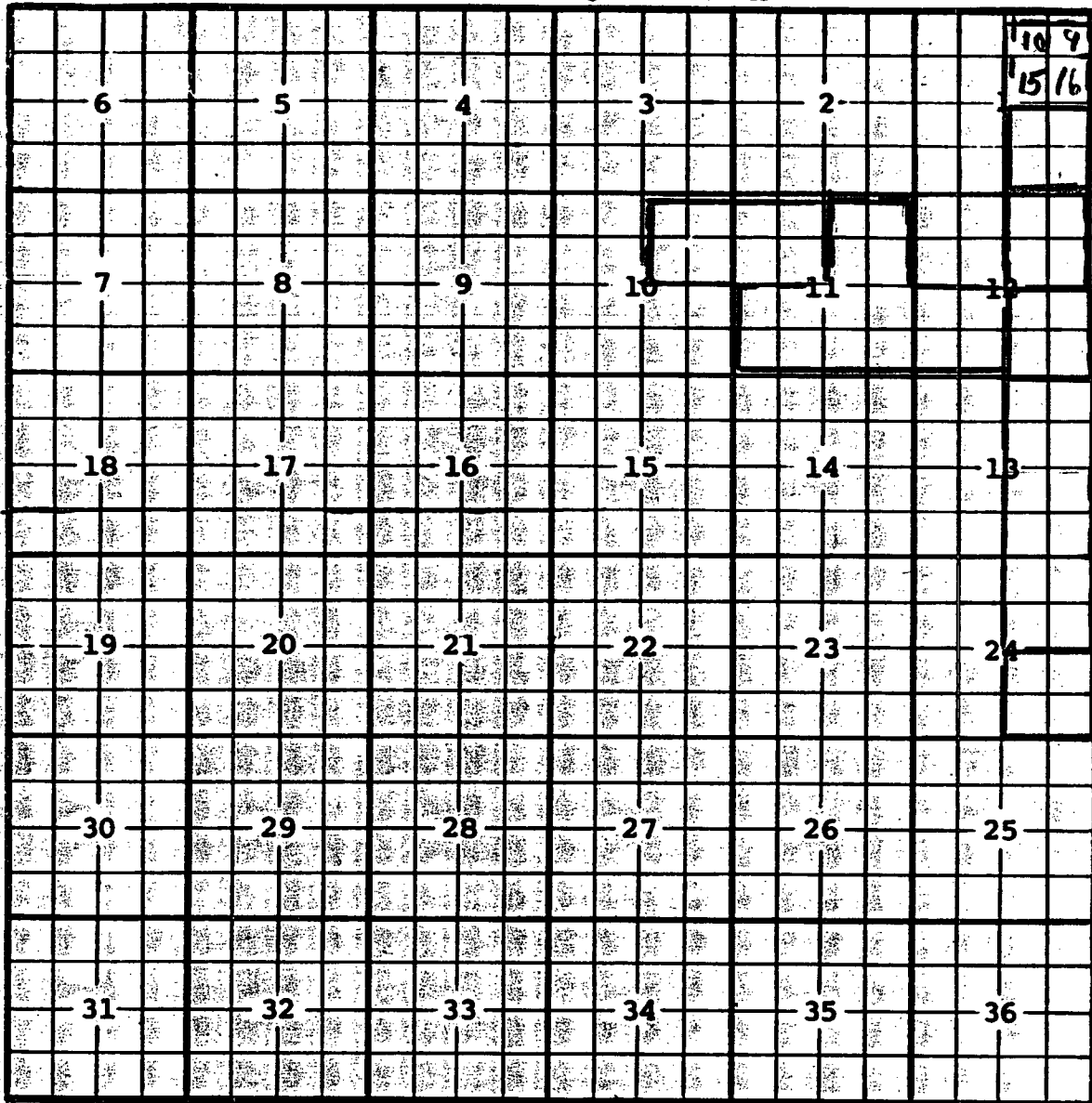
COUNTY Lea

POOL Northeast Lovington - Pennsylvanian

TOWNSHIP 16 South

RANGE 36 East

NMPM



Description: SE 1/4 Sec. 24 (R-3816, 8-14-69 Effective date 9-1-69)

Ext: E 1/2 Sec. 13, NE 1/4 Sec. 24 (R-6576, 2-10-81) EXT: SE 1/4 Sec. 1 (R-8561, 7-4-87)

EXT: SE 1/4 Sec. 12 (R-8946, 7-1-89) EXT: E 1/2 and SW 1/4 Sec. 11, SW 1/4 Sec. 12 (R-10776, 2-28-97)

Ext: NE 1/4 Sec. 12 (R-10910, 10-31-97) Ext: Lots 9, 10, 15 and 16 Sec. 1 (R-11116, 1-7-99)

Ext: NE 1/4 Sec. 10, NW 1/4 Sec. 11 (R-11183, 5-19-99)