

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
DISTRICT II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
DISTRICT III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate District Office  
JAN 23 2012  
AMENDED REPORT

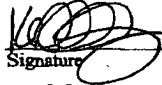
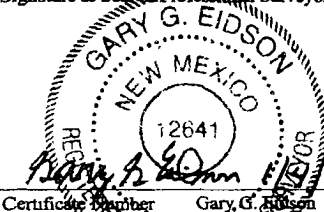
WELL LOCATION AND ACREAGE DEDICATION PLAT

|                            |                                     |                                   |
|----------------------------|-------------------------------------|-----------------------------------|
| API Number<br>30-025-40096 | Pool Code<br>44500                  | Pool Name<br>Maljamar; Yeso, West |
| Property Code<br>302519    | Property Name<br>MC FEDERAL         | Well Number<br>57                 |
| OGRID No.<br>229137        | Operator Name<br>COG OPERATING, LLC | Elevation<br>4051'                |

| Surface Location |         |          |       |         |               |                  |               |                |        |
|------------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No.    | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| J                | 21      | 17-S     | 32-E  |         | 2576          | SOUTH            | 1474          | EAST           | LEA    |

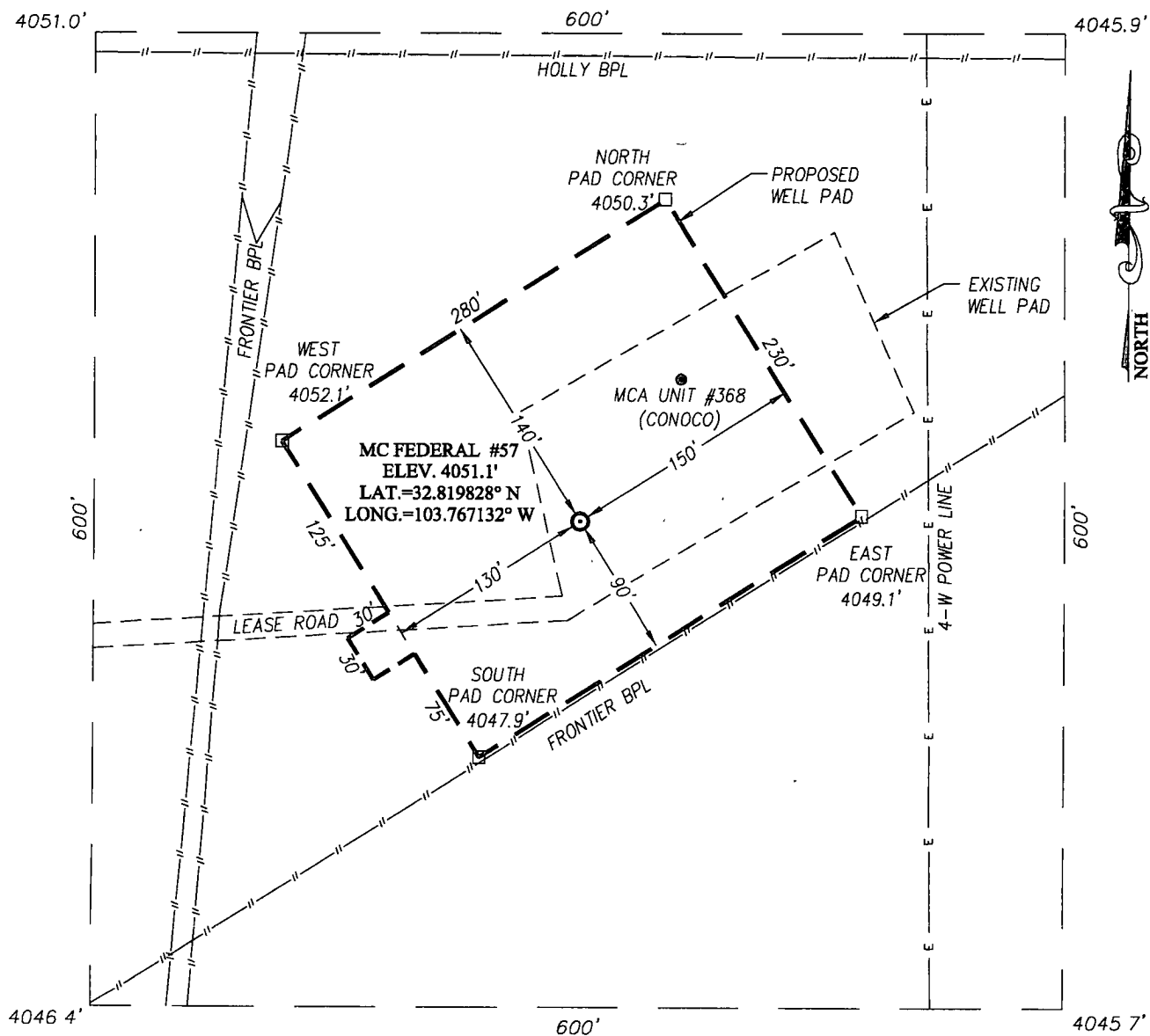
| Bottom Hole Location If Different From Surface |                 |                    |           |         |               |                  |               |                |        |
|------------------------------------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No.                                  | Section         | Township           | Range     | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| I                                              | 21              | 17-S               | 32-E      |         | 2310          | SOUTH            | 990           | EAST           | LEA    |
| Dedicated Acres<br>40                          | 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

|                                                                                                                                                                                                            |  |                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>GEODETIC COORDINATES<br/>NAD 27 NME<br/>SURFACE LOCATION<br/>Y=662430.2 N<br/>X=673941.0 E<br/>LAT.=32.819828° N<br/>LONG.=103.767132° W<br/>BOTTOM HOLE LOCATION<br/>Y=662165.5 N<br/>X=674426.7 E</p> |  | <p>DETAIL<br/>4051.0' 4045.9'<br/>600'<br/>4046.4' 4045.7'</p>        |  | <p>Penetration Point<br/>2412 FSL<br/>1101 FEL</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | <p><b>OPERATOR CERTIFICATION</b><br/>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.<br/>Signature:  Date: 1-9-2012<br/>Printed Name: Kelly J. Holly<br/>kholly@concho.com<br/>E-mail Address</p> |  |
| <p>CORNER COORDINATES TABLE<br/>A - Y=662490.7 N, X=672774.4 E<br/>B - Y=662496.6 N, X=675414.3 E<br/>C - Y=661171.4 N, X=672782.6 E<br/>D - Y=661177.7 N, X=675422.9 E</p>                                |  | <p>SEE DETAIL<br/>GRID. AZ = 118°35'25"<br/>HORIZ. DIST. = 553.2'</p> |  | <p><b>SURVEYOR CERTIFICATION</b><br/>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.<br/>OCTOBER 31, 2011<br/>Date of Survey<br/>Signature &amp; Seal of Professional Surveyor:<br/><br/>Certificate Number: Gary G. Eidson 12641<br/>Ronald J. Eidson 3239<br/>AF REV 1/4/12 HSC W.O.: 11.13.2728</p> |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |

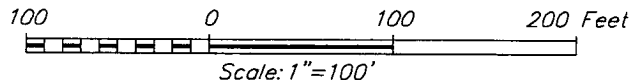
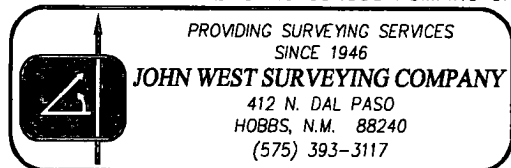
JAN 25 2012

**SECTION 21, TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.**  
LEA COUNTY NEW MEXICO



**DIRECTIONS TO LOCATION**

FROM THE INTERSECTION OF CONOCO ROAD AND MALJAMAR ROAD GO WEST ON CONOCO ROAD APPROX. 0.4 MILES. TURN RIGHT AND GO NORTH APPROX. 0.2 MILES. TURN RIGHT AND GO EAST APPROX. 0.1 MILE TO THE CONOCO MCA UNIT #368 WELL PAD. THIS LOCATION IS APPROX. 108 FEET SOUTHWEST OF THE EXISTING CONOCO PUMPING UNIT.

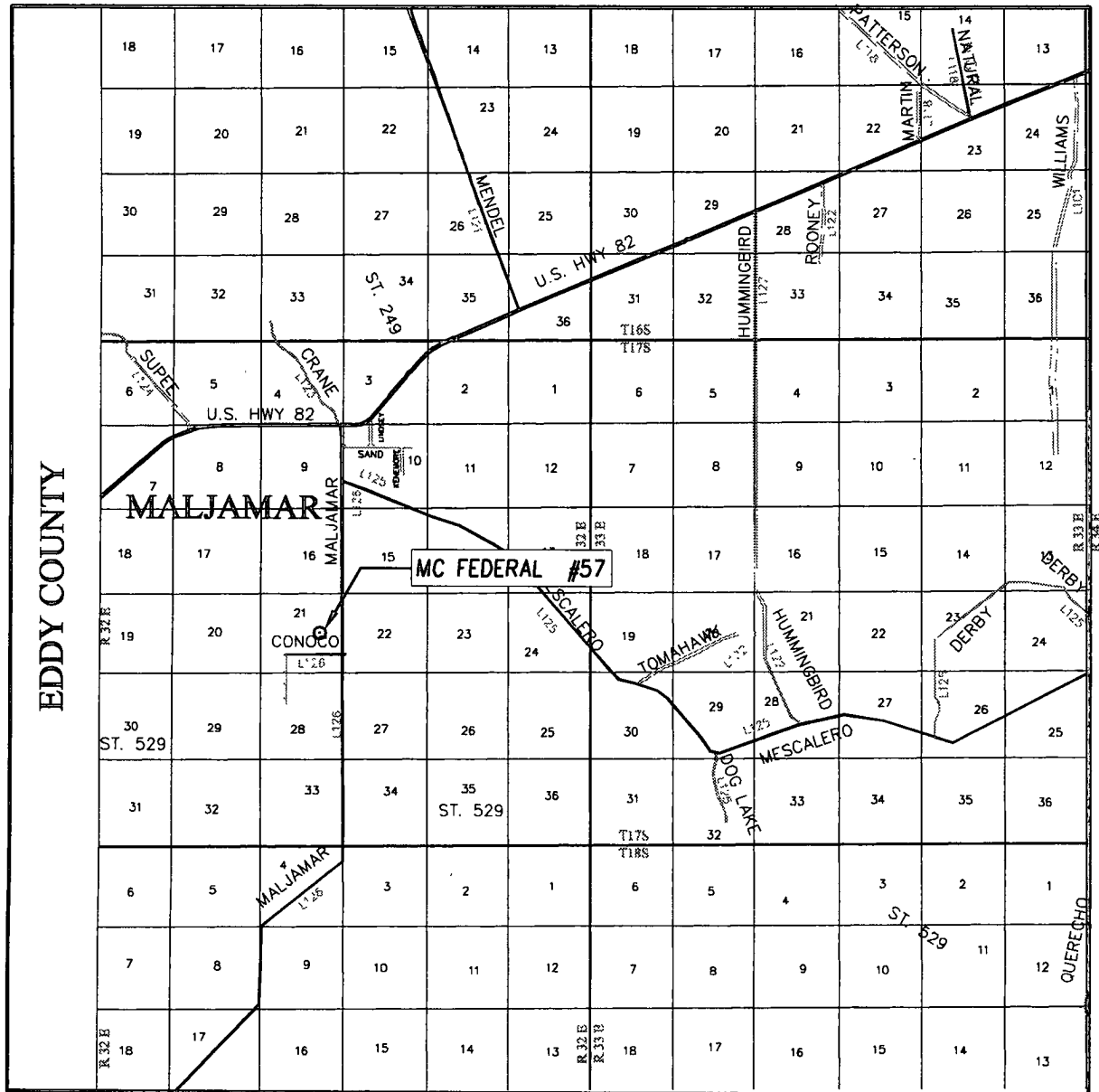


**COG OPERATING, LLC**

MC FEDERAL #57 WELL  
LOCATED 2576 FEET FROM THE SOUTH LINE  
AND 1474 FEET FROM THE EAST LINE OF SECTION 21,  
TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO

|                         |                                    |
|-------------------------|------------------------------------|
| Survey Date: 10/31/11   | Sheet 1 of 1 Sheets                |
| W.O. Number: 11.11.2219 | Dr. By: AF Rev 1:                  |
| Date: 11/10/11          | Rel. W.O.: 11112219 Scale: 1"=100' |

# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 21 TWP. 17-S RGE. 32-E

SURVEY N.M.P.M.

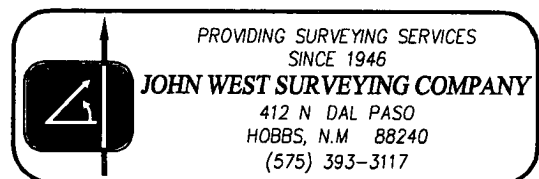
COUNTY LEA STATE NEW MEXICO

DESCRIPTION 2576' FSL & 1474' FEL

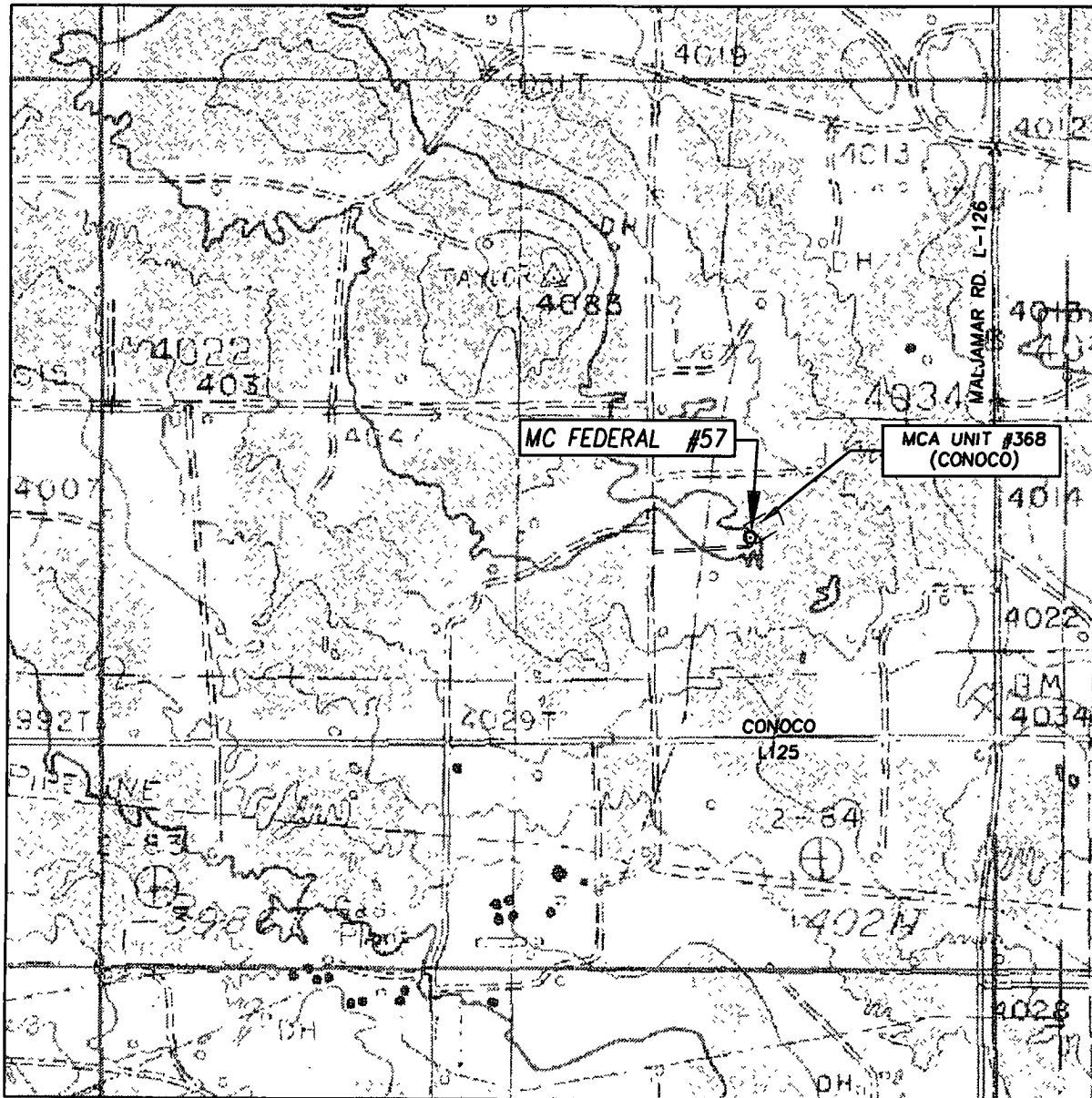
ELEVATION 4051'

OPERATOR COG OPERATING, LLC

LEASE MC FEDERAL



# LOCATION VERIFICATION MAP



SCALE: 1" = 1000'

CONTOUR INTERVAL:  
MALJAMAR, N.M. - 10'

SEC. 21 TWP. 17-S RGE. 32-E

SURVEY \_\_\_\_\_ N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 2576' FSL & 1474' FEL

ELEVATION 4051'

OPERATOR COG OPERATING, LLC

LEASE MC FEDERAL

U.S.G.S. TOPOGRAPHIC MAP  
MALJAMAR, N.M.



PROVIDING SURVEYING SERVICES  
SINCE 1946

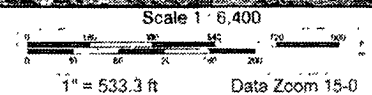
**JOHN WEST SURVEYING COMPANY**

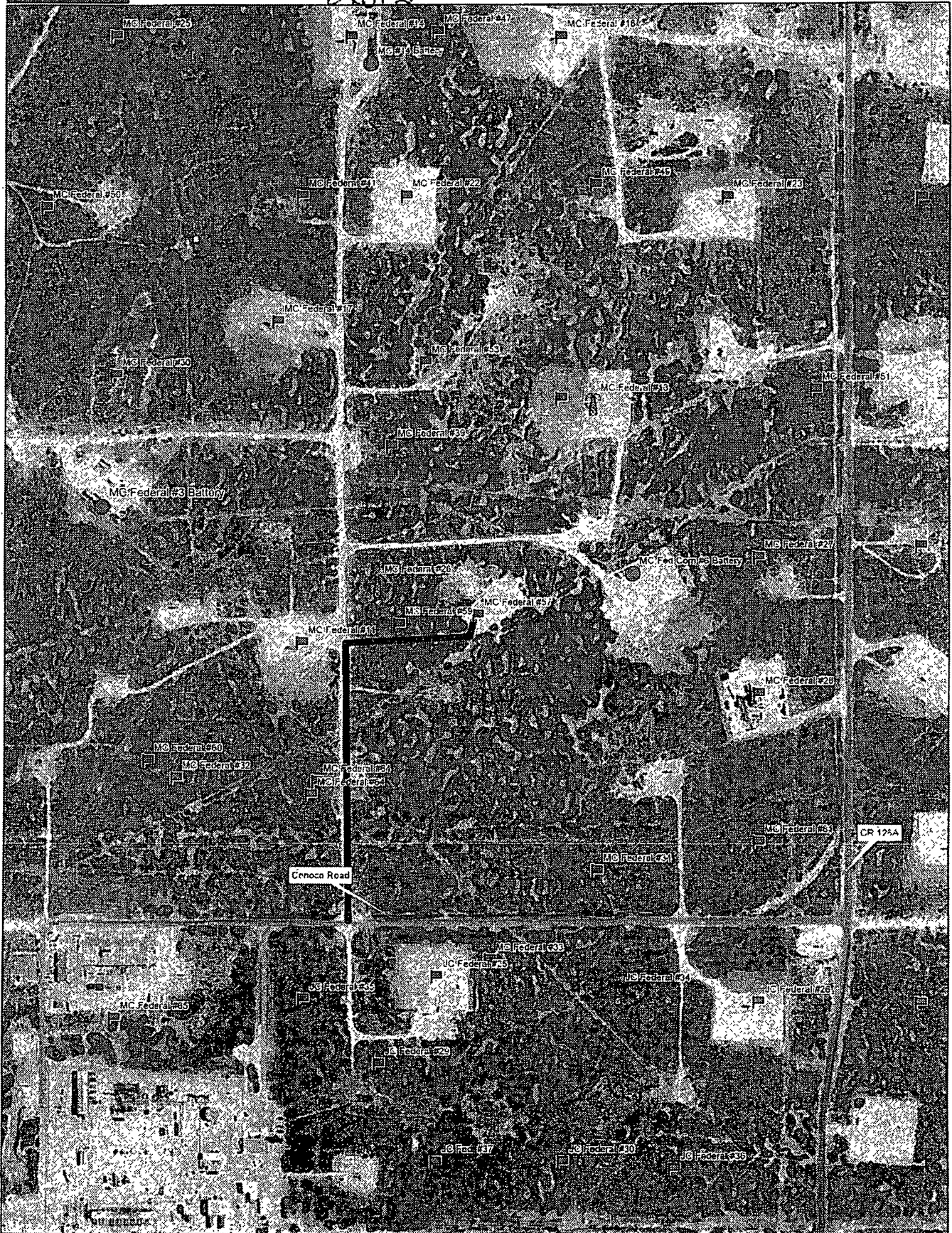
412 N. DAL PASO  
HOBBS, N.M. 88240  
(575) 393-3117



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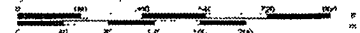
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Scale 1 : 6,400



1" = 533.3 ft

Data Zoom 15-0