

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, NM 87505

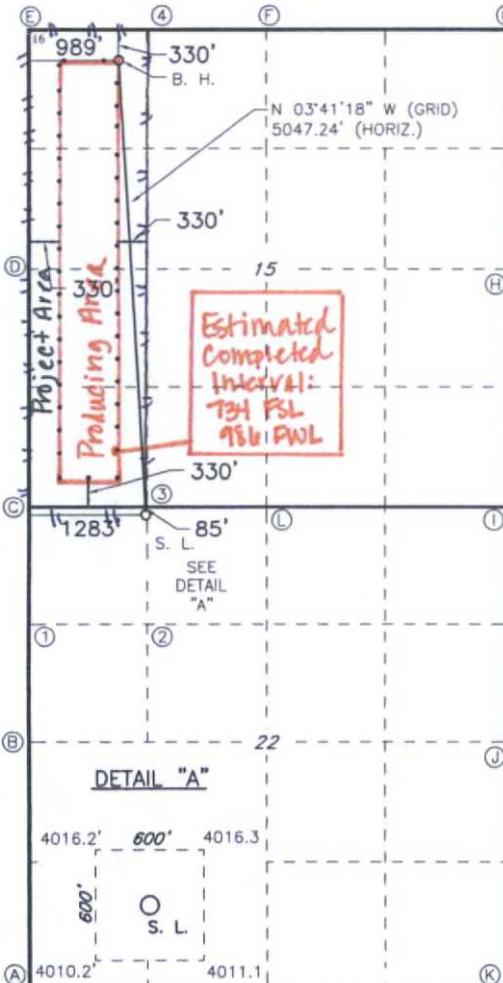
Form C-102  
 Revised August 1, 2011  
 Submit one copy to appropriate  
 District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|   |                      |   |                     |   |                              |                                  |                              |                               |                      |
|---|----------------------|---|---------------------|---|------------------------------|----------------------------------|------------------------------|-------------------------------|----------------------|
| 1 API Number<br><b>30-025-42997</b>               |                      | 2 Pool Code<br><b>44500</b>                     |                     | 3 Pool Name<br><b>Maljamar; Yeso West</b> |                              |                                  |                              |                               |                      |
| 4 Property Code<br><b>314751</b>                  |                      | 5 Property Name<br><b>IVAR THE BONELESS FED</b> |                     |   |                              |                                  |                              | 6 Well Number<br><b>12H</b>   |                      |
| 7 OGRID NO.<br><b>229137</b>                      |                      | 8 Operator Name<br><b>COG OPERATING, LLC</b>    |                     |   |                              |                                  |                              | 9 Elevation<br><b>4015'</b>   |                      |
| 10 Surface Location                               |                      |   |                     |   |                              |                                  |                              |                               |                      |
| UL or lot no.<br><b>D</b>                         | Section<br><b>22</b> | Township<br><b>17S</b>                          | Range<br><b>32E</b> | Lot Idn                                   | Feet from the<br><b>85</b>   | North/South line<br><b>NORTH</b> | Feet From the<br><b>1283</b> | East/West line<br><b>WEST</b> | County<br><b>LEA</b> |
| 11 Bottom Hole Location If Different From Surface |                      |   |                     |   |                              |                                  |                              |                               |                      |
| UL or lot no.<br><b>D</b>                         | Section<br><b>15</b> | Township<br><b>17S</b>                          | Range<br><b>32E</b> | Lot Idn                                   | Feet from the<br><b>330'</b> | North/South line<br><b>NORTH</b> | Feet from the<br><b>989</b>  | East/West line<br><b>WEST</b> | County<br><b>LEA</b> |
| 12 Dedicated Acres<br><b>160</b>                  | 13 Joint or Infill   | 14 Consolidation Code                           | 15 Order No.        |   |                              |                                  |                              |                               |                      |

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



**GEODETIC DATA**  
 NAD 27 GRID - NM EAST  
 SURFACE LOCATION  
 N: 665055.4 - E: 676682.0  
 LAT: 32.82700241° N  
 LONG: 103.75816341° W  
 BOTTOM HOLE  
 N: 670090.9 - E: 676357.4  
**CORNER DATA**  
 NAD 27 GRID - NM EAST  
 A: FOUND 1/2" REBAR  
 N: 659858.7 - E: 675431.5  
 B: FOUND 2" PIPE  
 N: 662496.7 - E: 675414.3  
 C: FOUND 1" NAIL  
 N: 665135.4 - E: 675398.3  
 D: FOUND 2" PIPE  
 N: 667777.2 - E: 675381.9  
 E: FOUND BRASS CAP "1913"  
 N: 670415.5 - E: 675366.5  
 F: FOUND BRASS CAP "1913"  
 N: 670430.0 - E: 678005.6  
 G: FOUND BRASS CAP "1913"  
 N: 670433.3 - E: 680638.7  
 H: FOUND BRASS CAP "1913"  
 N: 667794.8 - E: 680655.1  
 I: FOUND BRASS CAP "1913"  
 N: 665155.6 E: 680671.4  
 J: FOUND 1/2" REBAR  
 N: 662516.2 E: 680687.3  
 K: FOUND BRASS CAP "1913"  
 N: 659876.2 E: 680701.5  
 L: FOUND BRASS CAP "1913"  
 N: 665145.7 E: 678029.0

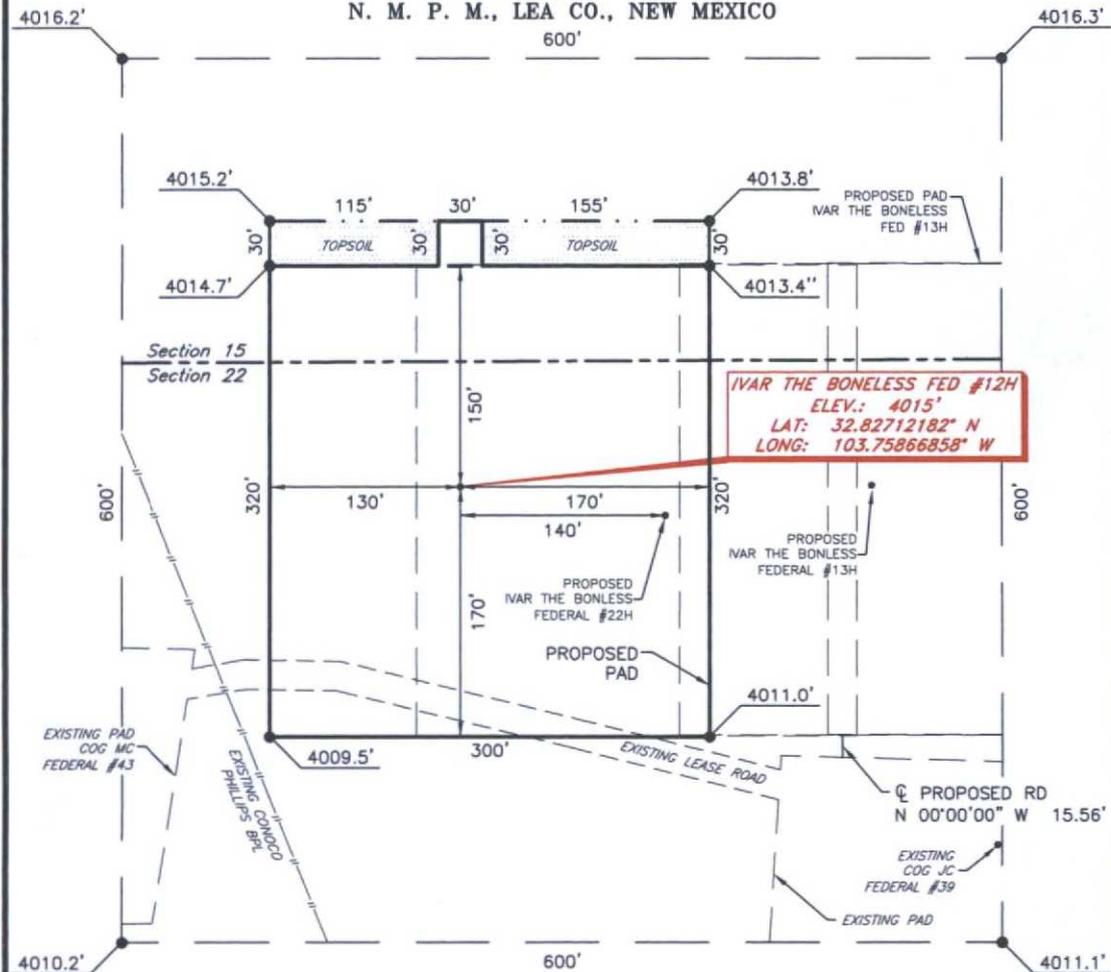
**17 OPERATOR CERTIFICATION**  
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  
 Signature: Date: **5-12-15**  
 Printed Name: **Kelly J. Holly**  
 E-mail Address: **kholly@concho.com**

**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: **12-04-2014**  
 Signature and Seal of Professional Surveyor:   
 Certificate Number: **19680**

RRC - Firm No.: TX 10193838 NM 4655451 - Job No.: LS140548

JAN 04 2016

**COG OPERATING, LLC  
 IVAR THE BONELESS FED #12H  
 (85' FNL & 1283' FWL)  
 SECTION 22, T17S, R32E  
 N. M. P. M., LEA CO., NEW MEXICO**



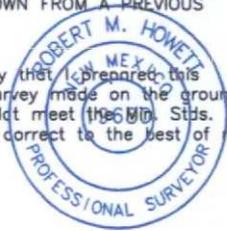
DIRECTIONS TO LOCATION

From the intersection of CR-126 (Conoco Rd.) and CR-126A (Maljamar Rd.)  
 Go North on CR-126A approx. 0.6 miles to a lease road on the right;  
 Turn right and go Southeast approx. 0.3 miles to a lease road;  
 Turn left and go North approx. 382 feet through existing pad;  
 Location is 440 feet Northwest of JC Fed #39 pumping unit.

THIS IS NOT A BOUNDARY SURVEY, APPARENT PROPERTY CORNERS AND PROPERTY LINES ARE SHOWN FOR INFORMATION ONLY. BOUNDARY DATA IS SHOWN FROM A PREVIOUS SURVEY REFERENCED HEREON.

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this unclassified survey of a well location plat from an actual survey made on the ground under my direct supervision, said unclassified survey and plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

*Robert M. Howett*  
 Robert M. Howett NM PS 19680



SCALE: 1" = 100'  
 0 50 100  
 BEARINGS ARE  
 NAD 83 GRID - NM EAST  
 DISTANCES ARE  
 GROUND.

Firm No.: TX 10193838 NM 4655451

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|                     |          |      |
|---------------------|----------|------|
| NO.                 | REVISION | DATE |
| JOB NO.: LS140548   |          |      |
| DWG. NO.: 140548PAD |          |      |



308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

|                    |
|--------------------|
| SCALE: 1" = 100'   |
| DATE: 1-14-2015    |
| SURVEYED BY: IE/DH |
| DRAWN BY: CMJ      |
| APPROVED BY: RMH   |
| SHEET : 1 OF 1     |

# VICINITY MAP



SECTION 22, TWP. 17 SOUTH, RGE. 32 EAST,  
N. M. P. M., LEA CO., NEW MEXICO

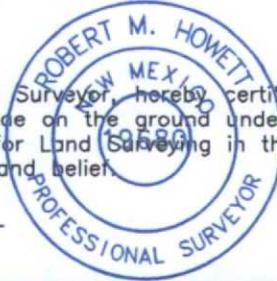
OPERATOR: COG Operating, LLC  
 LEASE: Ivar the Boneless Fed  
 WELL NO.: 12H

LOCATION: 85' FNL & 1283' FWL  
 ELEVATION: 4015'

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this vicinity map exhibit plat from an actual survey made on the ground under my direct supervision, said survey and exhibit plat meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

*Robert M. Howett*

Robert M. Howett NM PS 19680



Firm No.: TX 10193838 NM 4655451

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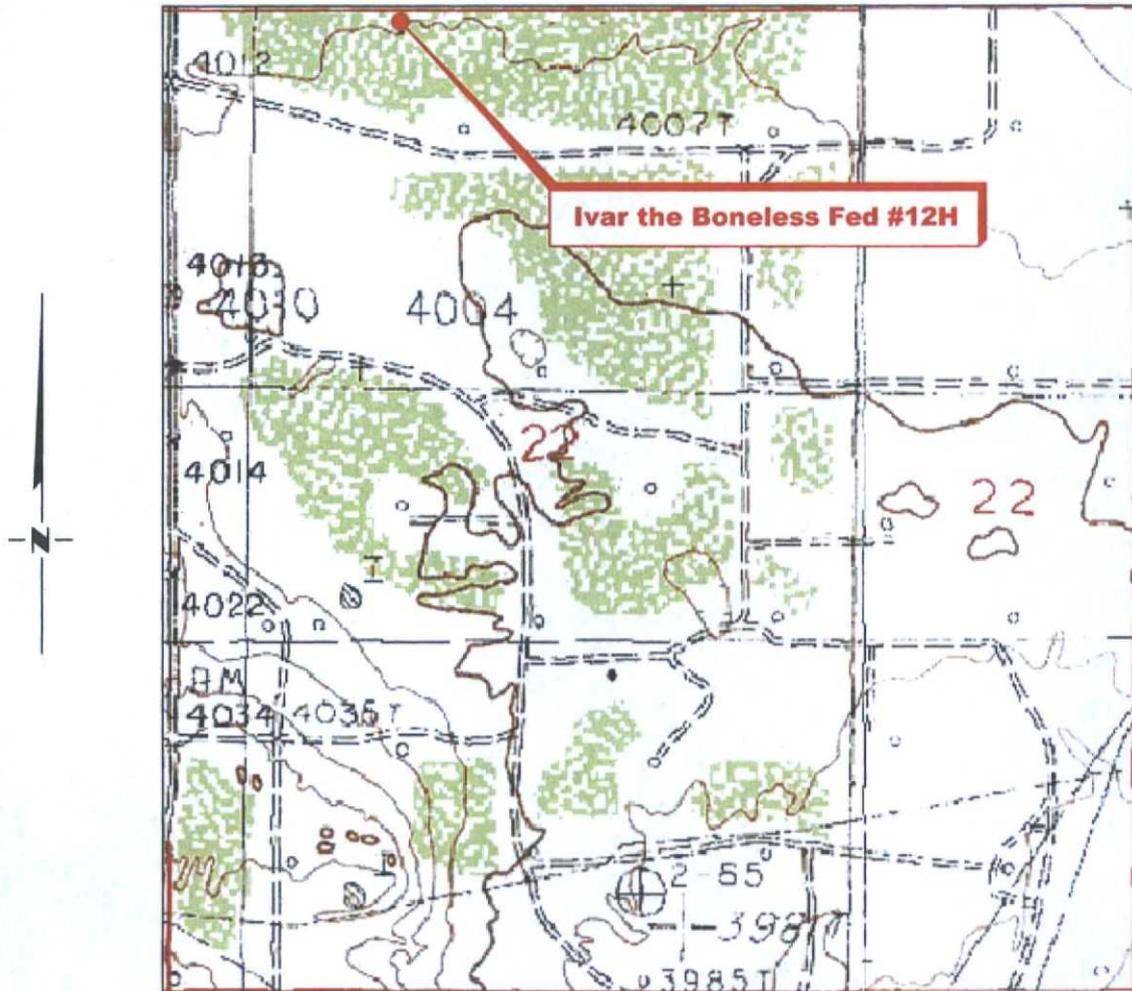
|           |          |      |
|-----------|----------|------|
| NO.       | REVISION | DATE |
| JOB NO.:  | LS140548 |      |
| DWG. NO.: | 140548VM |      |

# RRC

308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

|              |           |
|--------------|-----------|
| SCALE:       | NTS       |
| DATE:        | 1-12-2015 |
| SURVEYED BY: | GB/SM     |
| DRAWN BY:    | CMJ       |
| APPROVED BY: | RMH       |
| SHEET :      | 1 OF 1    |

# LOCATION VERIFICATION MAP



SECTION 22, TWP. 17 SOUTH, RGE. 32 EAST,  
N. M. P. M., LEA CO., NEW MEXICO

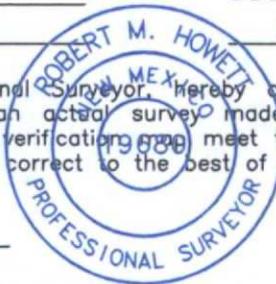
OPERATOR: COG Operating, LLC  
 LEASE: Ivar the Boneless Fed  
 WELL NO.: 12H  
 ELEVATION: 4015'

LOCATION: 85' FNL & 1283' FWL  
 CONTOUR INTERVAL:  
 USGS TOPO. SOURCE MAP:  
Maljamar (P. E. 1985)

I, R. M. Howett, a N. M. Professional Surveyor, hereby certify that I prepared this location verification map exhibit plat from an actual survey made on the ground under my direct supervision, said survey and location verification map meet the Min. Stds. for Land Surveying in the State of N. M. and are true and correct to the best of my knowledge and belief.

*Robert M. Howett*

Robert M. Howett NM PS 19680



Firm No.: TX 10193838 NM 4655451

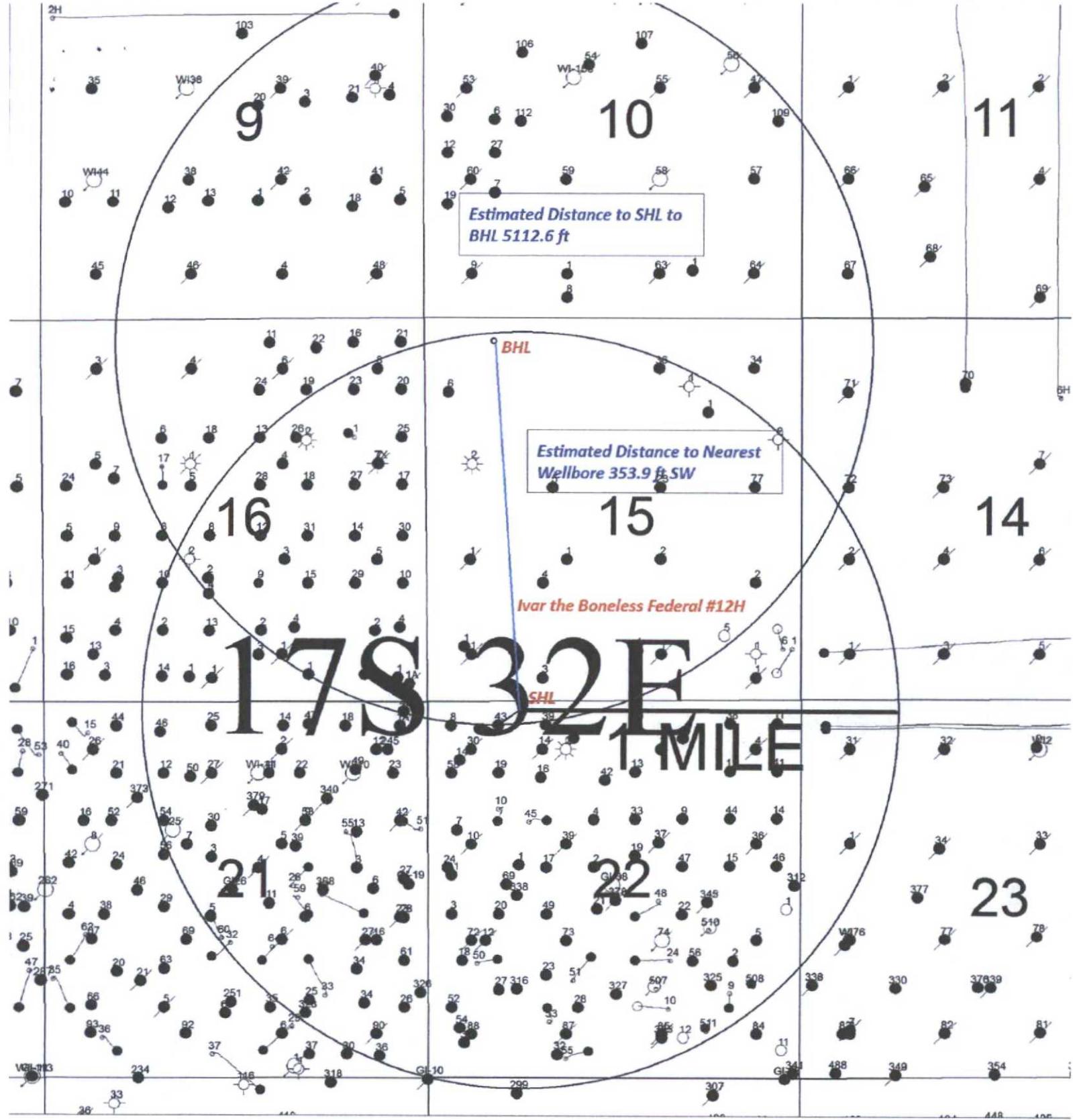
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| NO.                | REVISION | DATE |
|--------------------|----------|------|
|                    |          |      |
|                    |          |      |
| JOB NO.: LS140548  |          |      |
| DWG. NO.: 140548VM |          |      |

## RRC

308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE: NTS  
 DATE: 1-12-2015  
 SURVEYED BY: GB/SM  
 DRAWN BY: CMJ  
 APPROVED BY: RMH  
 SHEET : 1 OF 1





**SENM Shelf Area**  
**Ivar the Boneless Federal #12H**

**SEC. 22, T17S - R32E SHL 85 FNL 1283 FWL, UNIT D**  
**SEC. 15, T17S - R32E BHL 330 FNL 989 FWL, UNIT D**



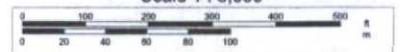
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Scale 1 : 3,600



1" = 300.0 ft

Data Zoom 15-7