

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240  
Phone: (505) 393-6161 Fax: (505) 393-0720

DISTRICT II  
811 S. FIRST ST., ARTESIA, NM 88210  
Phone: (505) 748-1283 Fax: (505) 748-9720

DISTRICT III  
1000 RIO BRAZOS RD., 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

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                    |                                     |                                                |
|------------------------------------|-------------------------------------|------------------------------------------------|
| API Number<br>30-025- <b>43001</b> | Pool Code<br>97922                  | Pool Name<br>WC-025 G-06 S223421L; Bone Spring |
| Property Code<br><b>365744</b>     | Property Name<br>SMALLS FEDERAL     | Well Number<br>1H                              |
| GRID No.<br>229137                 | Operator Name<br>COG OPERATING, LLC | Elevation<br>3403.8                            |

**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             | 28      | 22-S     | 34-E  |         | 190'          | SOUTH            | 560'          | 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A             | 28      | 22-S     | 34-E  |         | 330'          | NORTH            | 660'          | EAST           | LEA    |

|                        |                 |                    |           |
|------------------------|-----------------|--------------------|-----------|
| Dedicated Acres<br>160 | 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

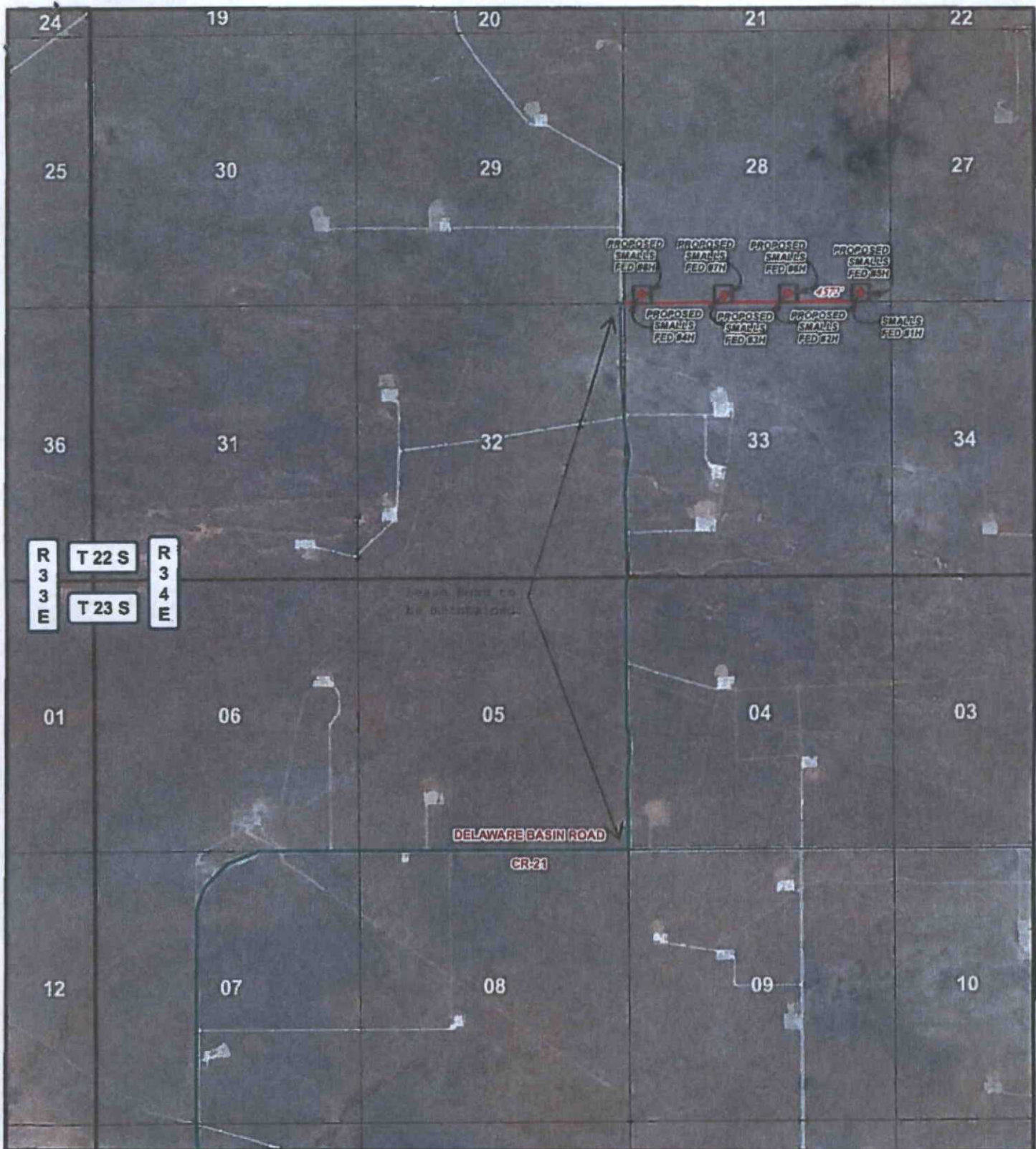
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Y=499323.5 N<br/>X=766474.1 E</p> <p>Y=499337.0 N<br/>X=767795.8 E</p> <p>NAD 27<br/><u>PROPOSED BOTTOM HOLE LOCATION</u><br/>Y=499000.3 N<br/>X=767138.0 E<br/>LAT.=32.368898° N<br/>LONG.=103.468115° W</p> <p>NAD 27<br/><u>SURFACE LOCATION</u><br/>Y=494242.7 N<br/>X=767268.6 E<br/>LAT.=32.355819° N<br/>LONG.=103.467816° W</p> <p>NMNM116047</p> <p>Y=494057.4 N<br/>X=767830.0 E</p> <p>Y=494046.3 N<br/>X=766508.7 E</p> <p>GRID AZ - 358°25'44"<br/>HORZ. DIST. - 4759.4</p> <p>PROJECT AREA<br/>PRODUCING AREA</p> <p>S.L.O. 190' 560'</p> | <p><b>OPERATOR CERTIFICATION</b></p> <p>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.</p> <p><i>Melanie J Wilson</i> 7/22/15<br/>Signature Date<br/>Melanie J Wilson<br/>Printed Name<br/>mwilson@concho.com<br/>E-mail Address</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>JANUARY 9, 2015<br/>Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p><br/>Chad L. Harcrow 2/4/15<br/>Certificate No. CHAD HARCROW 17777<br/>W.O. # 14-1288 DRAWN BY: AF</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

JAN 05 2016

## NEW MEXICO



FILE: 15-840



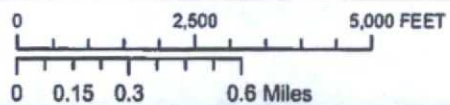
R 3 3 E  
T 22 S  
T 23 S  
R 3 4 E

# LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

## SMALLS FEDERAL #11H

SEC: 28 TWP: 22 S. RGE: 34 E. ELEVATION: 3403.8'  
STATE: NEW MEXICO COUNTY: LEA 190' FSL & 560' FEL  
W.O. # 14-1288 LEASE: SMALLS FED SURVEY: N.M.P.M



1 IN = 2,500 FT

LOCATION MAP

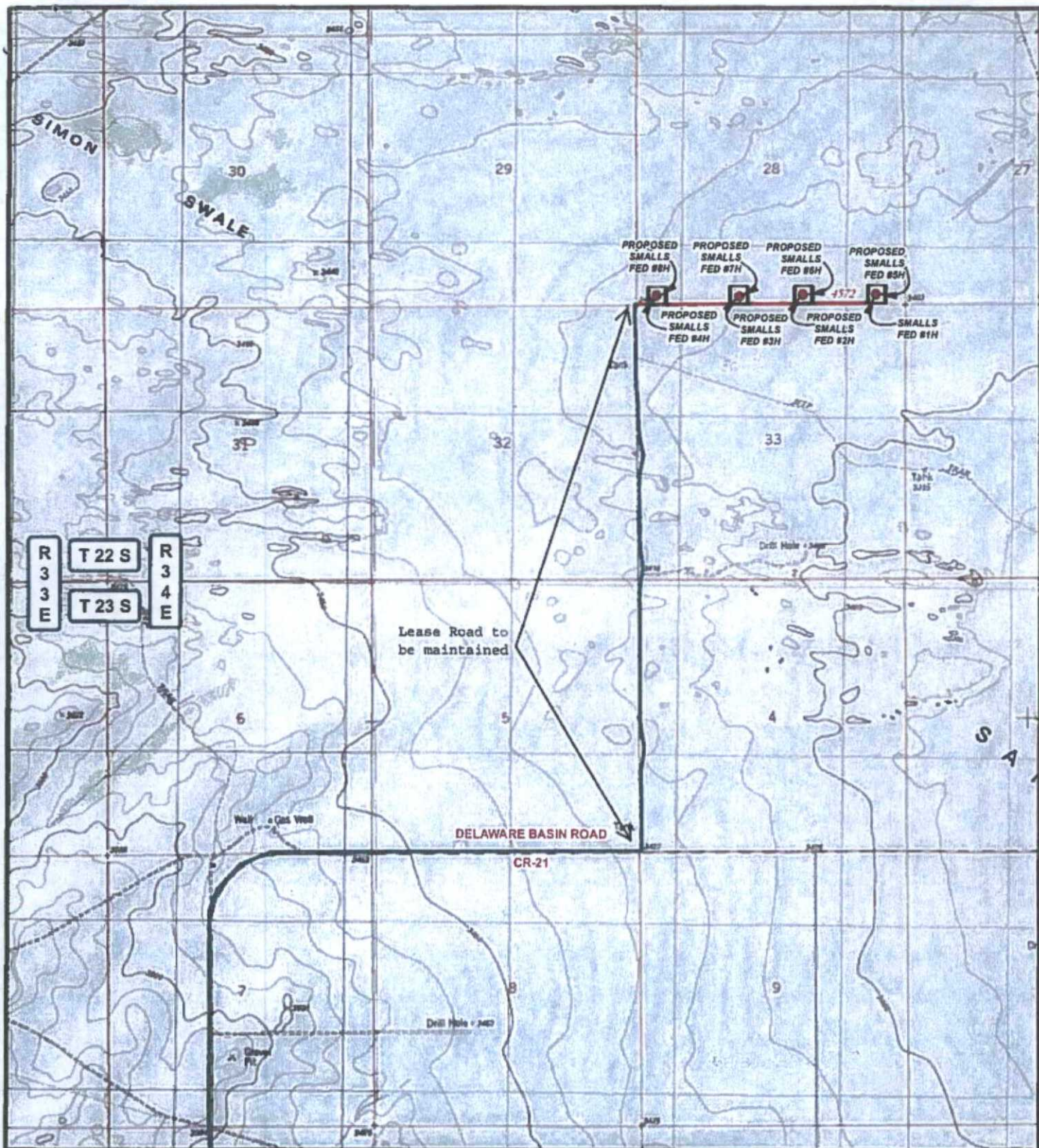
IMAGERY

01/27/2015

A.F

**CONCHO**  
COG OPERATING, LLC

**HARCROW SURVEYING, LLC.**  
2314 W. MAIN ST, ARTESIA, NM 88210  
PH: (575) 746-2158 FAX: (575) 746-2158  
c.harcrow@harcrowsurveying.com



# LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

## SMALLS FEDERAL #1H

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0 2,500 5,000 FEET

0 0.15 0.3 0.6 Miles

1 IN = 2,500 FT

LOCATION MAP

TOPO

01/27/2015

A.F.

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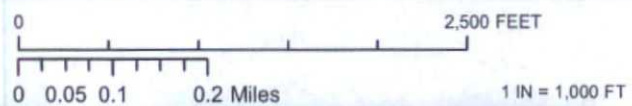


**LEGEND**

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

**SMALLS FEDERAL #1H**

|                   |                   |                      |                    |
|-------------------|-------------------|----------------------|--------------------|
| SEC: 28           | TWP: 22 S.        | RGE: 34 E.           | ELEVATION: 3403.8' |
| STATE: NEW MEXICO | COUNTY: LEA       | 190' FSL & 560' FEL. |                    |
| W.O. # 14-1288    | LEASE: SMALLS FED | SURVEY: N.M.P.M      |                    |



LOCATION MAP      IMAGERY ROAD      01/27/2015      A.F

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# EXHIBIT 2

28

PROPOSED  
SMALLS  
FED #8H

PROPOSED  
SMALLS  
FED #7H

PROPOSED  
SMALLS  
FED #6H

PROPOSED  
SMALLS  
FED #5H

PROPOSED  
SMALLS  
FED #4H

PROPOSED  
SMALLS  
FED #3H

PROPOSED  
SMALLS  
FED #2H

SMALLS  
FED #1H

Tank

JEEP

33

Tank  
3395

TRAIL

Drill Hole 3405

3416

## LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

## SMALLS FEDERAL #1H

SEC: 28 TWP: 22 S. RGE: 34 E. ELEVATION: 3403.8'

STATE: NEW MEXICO COUNTY: LEA 190' FSL & 560' FEL

W.O. # 14-1288 LEASE: SMALLS FED SURVEY: N.M.P.M

0 2,500 FEET

0 0.05 0.1 0.2 Miles

1 IN = 1,000 FT

LOCATION MAP

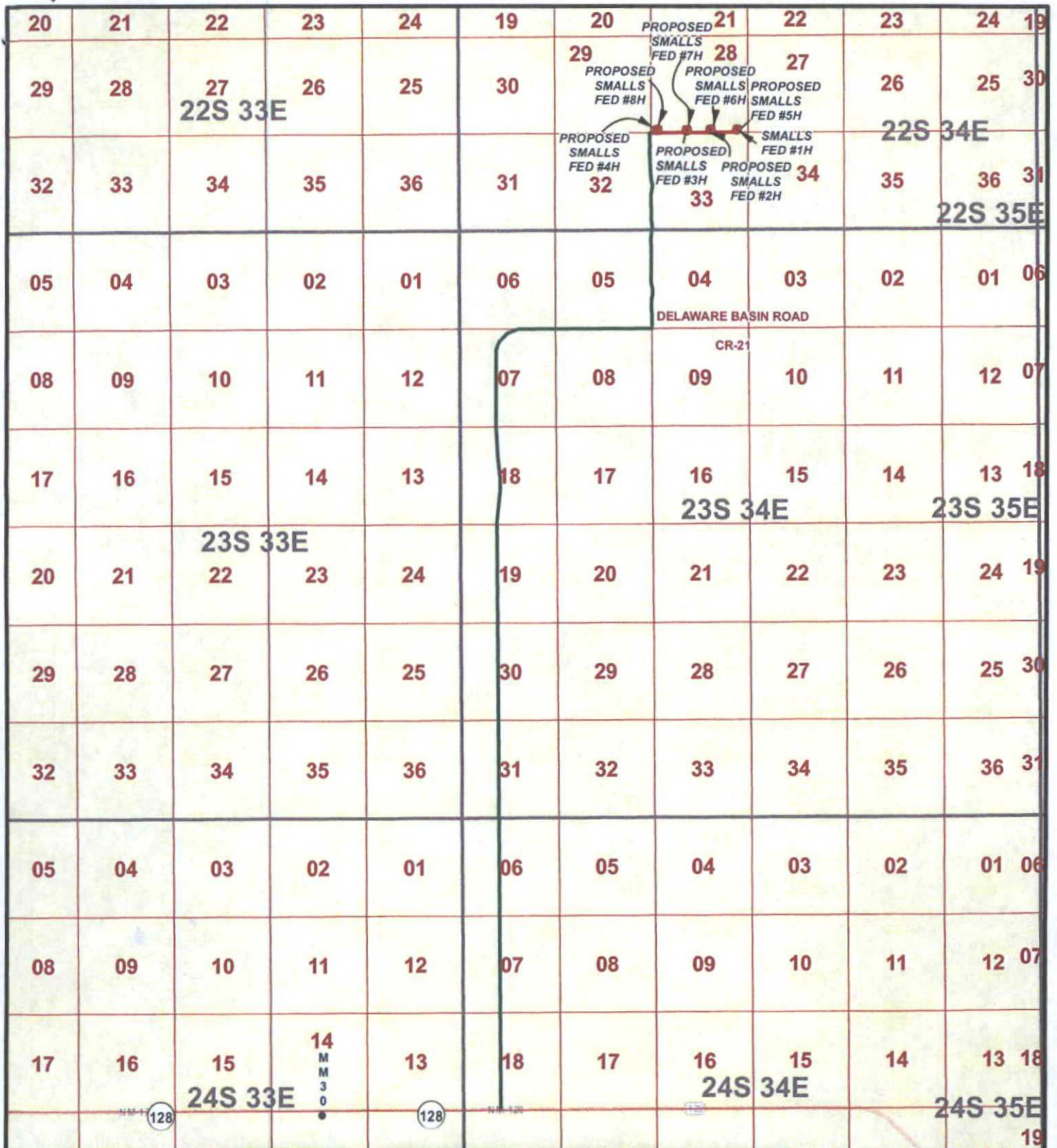
TOPO ROAD

01/27/2015

A.F

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# LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

## SMALLS FEDERAL #1H

SEC: 28 TWP: 22 S. RGE: 34 E. ELEVATION: 3403.8'  
 STATE: NEW MEXICO COUNTY: LEA 190' FSL & 560' FEL  
 W.O. # 14-1288 LEASE: SMALLS FED SURVEY: N.M.P.M

0 2,500 5,000 7,500 10,000 12,500 15,000 17,500 FEET

0 0.5 1 2 Miles

1 IN = 7,000 FT

VICINITY MAP

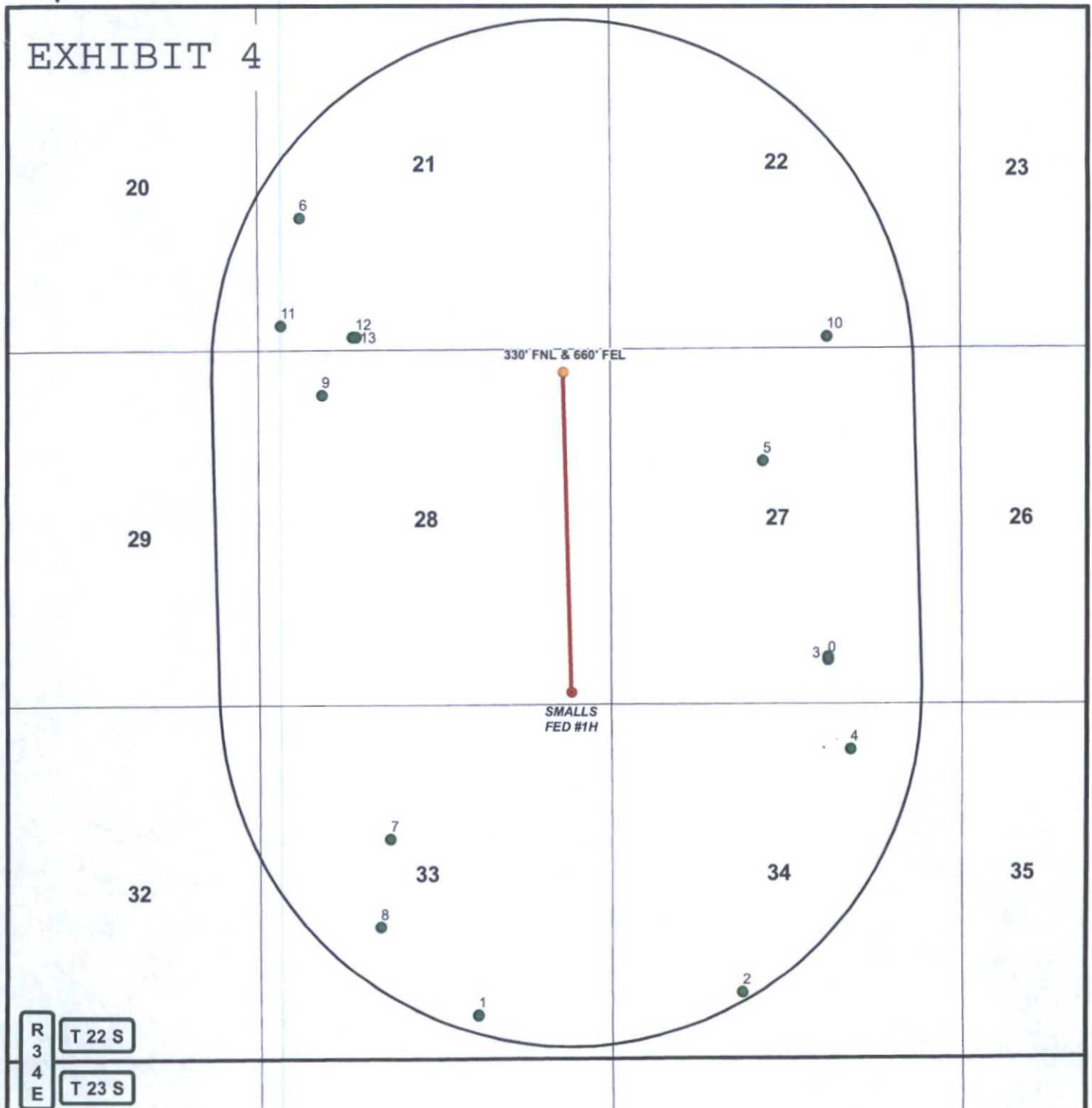
01/27/2015

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# EXHIBIT 4



R  
3  
4  
E

T 22 S  
T 23 S

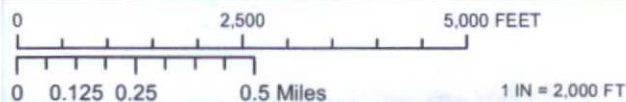
DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH JANUARY 12, 2015.

## LEGEND

- WELL
- BOTTOMHOLE
- WELLS WITHIN 1 MI.
- 1 MI. BUFFER

## SMALLS FEDERAL #1H

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 STATE: NEW MEXICO COUNTY: LEA 190' FSL & 560' FEL  
 W.O. # 14-1288 LEASE: SMALLS FED SURVEY: N.M.P.M



1 MILE MAP

01/27/2015

A.F

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| FID | Shape * | OPERATOR                            | WELL_NAME                       | LATITUDE  | LONGITUDE   | API        | SECTION | TOWNSHIP | RANGE | FTG_NS | NS_CD | FTG_EW | EW_CD | TVD_DEPTH | COMPL_STAT                 |
|-----|---------|-------------------------------------|---------------------------------|-----------|-------------|------------|---------|----------|-------|--------|-------|--------|-------|-----------|----------------------------|
| 0   | Point   | J W SORRELLS                        | SORRELLS 001                    | 32.357233 | -103.455758 | 3002508481 | 27      | 22.05    | 34E   | 660 S  |       | 1980 E |       | 4202      | Plugged                    |
| 1   | Point   | BELCO PETROLEUM COR                 | FALSE FEDERAL 001               | 32.342749 | -103.472913 | 3002524636 | 33      | 22.05    | 34E   | 660 S  |       | 1980 E |       | 3840      | Plugged                    |
| 2   | Point   | BTA OIL PRODUCERS, LLC              | MAXUS B 8026 JV-P 002           | 32.343644 | -103.460025 | 3002530032 | 34      | 22.05    | 34E   | 990 S  |       | 1980 W |       | 13428     | Active                     |
| 3   | Point   | COG OPERATING LLC                   | SUN FEDERAL COM 001             | 32.35737  | -103.455757 | 3002530603 | 27      | 22.05    | 34E   | 710 S  |       | 1980 E |       | 12780     | Active                     |
| 4   | Point   | BTA OIL PRODUCERS                   | MAXUS B 8026 JV-P 003           | 32.353603 | -103.454695 | 3002530661 | 34      | 22.05    | 34E   | 660 N  |       | 1650 E |       | 13500     | Plugged                    |
| 5   | Point   | ORYX ENERGY CO                      | ANTELOPE FEDERAL COM 001        | 32.365388 | -103.45889  | 3002530687 | 27      | 22.05    | 34E   | 1650 N |       | 2310 W |       | 13530     | Plugged                    |
| 6   | Point   | DEVON ENERGY PRODUCTION COMPANY, LP | GAUCHO 21 FEDERAL 001           | 32.375386 | -103.481376 | 3002534266 | 21      | 22.05    | 34E   | 1980 S |       | 660 W  |       | 13450     | Active                     |
| 7   | Point   | DEVON ENERGY PRODUCTION COMPANY, LP | RIO BLANCO 33 FEDERAL 002       | 32.349995 | -103.477127 | 3002536360 | 33      | 22.05    | 34E   | 1980 N |       | 1980 W |       | 14660     | Active                     |
| 8   | Point   | DEVON ENERGY PRODUCTION COMPANY, LP | RIO BLANCO 33 FEDERAL 003       | 32.346383 | -103.477621 | 3002537860 | 33      | 22.05    | 34E   | 1980 S |       | 1830 W |       | 8600      | Active                     |
| 9   | Point   | PETROGULF CORPORATION               | FEDERAL 28 011D                 | 32.368126 | -103.480312 | 3002538732 | 28      | 22.05    | 34E   | 661 N  |       | 991 W  |       | 0         |                            |
| 10  | Point   | MEWBOURNE OIL CO                    | PERRO LOCO 22 830B FEDERAL 001H | 32.370431 | -103.455715 | 3002542288 | 22      | 22.05    | 34E   | 185 S  |       | 1980 E |       | 0         | New (Not drilled or compl) |
| 11  | Point   | DEVON ENERGY PRODUCTION COMPANY, LP | GAUCHO 21 FEDERAL 002H          | 32.370976 | -103.482312 | 3002540626 | 21      | 22.05    | 34E   | 375 S  |       | 375 W  |       | 12600     | New (Not drilled or compl) |
| 12  | Point   | DEVON ENERGY PRODUCTION COMPANY, LP | GAUCHO 21 FEDERAL 004H          | 32.37049  | -103.478651 | 3002542137 | 21      | 22.05    | 34E   | 200 S  |       | 1500 W |       | 0         | New (Not drilled or compl) |
| 13  | Point   | DEVON ENERGY PRODUCTION COMPANY, LP | GAUCHO 21 FEDERAL 003H          | 32.370491 | -103.478814 | 3002542136 | 21      | 22.05    | 34E   | 200 S  |       | 1450 W |       | 0         | New (Not drilled or compl) |