

District I  
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District II  
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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

FEB 10 2020

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                              |                                            |                                                      |
|------------------------------|--------------------------------------------|------------------------------------------------------|
| 1 API Number<br>30-025-46161 | 2 Pool Code<br>97994                       | 3 Pool Name<br>WC-025 G-06 S253329D; UPR BONE SPRING |
| 4 Property Code<br>319775    | 5 Property Name<br>VACA DRAW 20-17 FEDERAL | 6 Well Number<br>72H                                 |
| 7 OGRID No.<br>215099        | 8 Operator Name<br>CIMAREX ENERGY CO.      | 9 Elevation<br>3395.3'                               |

= Surface Location

| UL or lot no.<br>P | Section<br>20 | Township<br>25S | Range<br>33E | Lot Idn | Feet from the<br>390 | North/South line<br>SOUTH | Feet from the<br>350 | East/West line<br>EAST | County<br>LEA |
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|---------------|
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|---------------|

= Bottom Hole Location If Different From Surface

| UL or lot no.<br>A        | Section<br>17      | Township<br>25S       | Range<br>33E | Lot Idn | Feet from the<br>100 | North/South line<br>NORTH | Feet from the<br>320 | East/West line<br>EAST | County<br>LEA |
|---------------------------|--------------------|-----------------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|---------------|
| 10 Dedicated Acres<br>640 | 11 Joint or Infill | 12 Consolidation Code | 13 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 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 unless stated 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 pooling agreement or a leasehold interest in the order heretofore made by this organization.

Signature: Terri Stathem Date: 2-1-2020

Printed Name: Terri Stathem

E-mail Address: Tstathem@cimarex.com

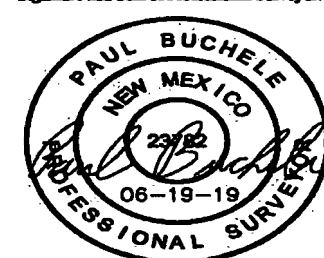
E-mail Address:

" 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 27, 2018

Date of Survey  
Signature and Seal of Professional Surveyor:



Certificate Number:

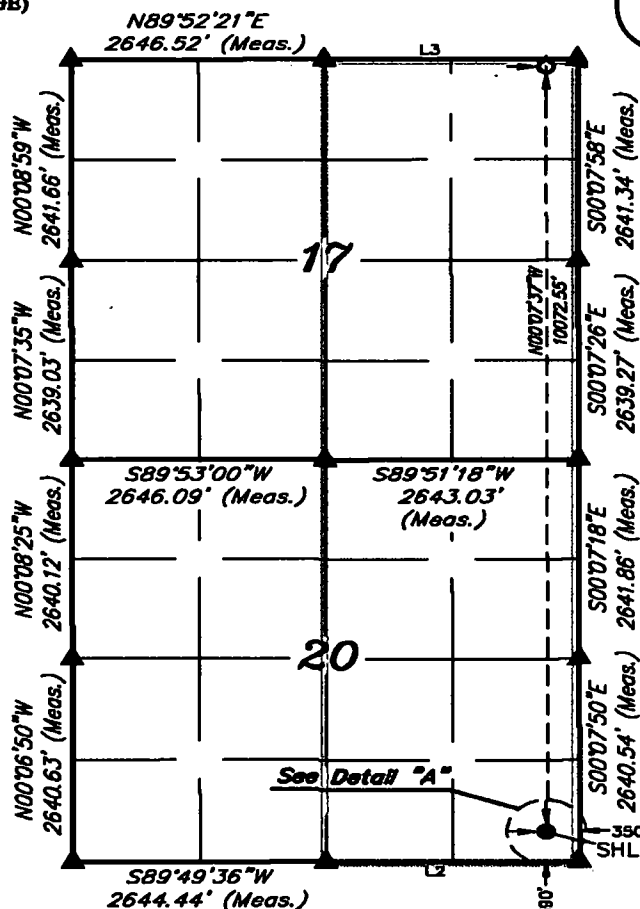
- = SURFACE HOLE LOCATION
- ◆ = LANDING POINT/FIRST TAKE POINT
- = BOTTOM HOLE LOCATION/  
LAST TAKE POINT
- ▲ = SECTION CORNER LOCATED



SCALE

REV: 1 S.T.O. 06-19-19 (BHL CHANGE)

|                                        |
|----------------------------------------|
| NAD 83 (SURFACE HOLE LOCATION)         |
| LATITUDE = 32°06'35.62" (32.109895°)   |
| LONGITUDE = 103°39'12.84" (103.65359°) |
| NAD 83 (SURFACE HOLE LOCATION)         |
| LATITUDE = 32°06'35.17" (32.109770°)   |
| LONGITUDE = 103°39'11.14" (103.65428°) |
| STATE PLANE NAD 83 (N.M. EAST)         |
| N: 404518.26' E: 772449.36'            |
| STATE PLANE NAD 83 (N.M. EAST)         |
| N: 404458.49' E: 731263.37'            |



NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W105°53'00"

Intent ☐ As Drilled ☒

API #  
30-025-46161

|                                               |                                           |                    |
|-----------------------------------------------|-------------------------------------------|--------------------|
| Operator Name:<br>Cimarex Energy Co. (215099) | Property Name:<br>Vaca Draw 20-17 Federal | Well Number<br>72H |
|-----------------------------------------------|-------------------------------------------|--------------------|

Kick Off Point (KOP)

|                       |               |                 |              |     |                          |                   |             |                  |               |
|-----------------------|---------------|-----------------|--------------|-----|--------------------------|-------------------|-------------|------------------|---------------|
| UL<br>P               | Section<br>20 | Township<br>25S | Range<br>33E | Lot | Feet<br>482              | From N/S<br>South | Feet<br>436 | From E/W<br>East | County<br>Lea |
| Latitude<br>32.110144 |               |                 |              |     | Longitude<br>-103.587178 |                   |             | NAD<br>83        |               |

First Take Point (FTP)

|                       |               |                 |              |     |                          |                   |             |                  |               |
|-----------------------|---------------|-----------------|--------------|-----|--------------------------|-------------------|-------------|------------------|---------------|
| UL<br>P               | Section<br>20 | Township<br>25S | Range<br>33E | Lot | Feet<br>946              | From N/S<br>South | Feet<br>328 | From E/W<br>East | County<br>Lea |
| Latitude<br>32.111422 |               |                 |              |     | Longitude<br>-103.586828 |                   |             | NAD<br>83        |               |

Last Take Point (LTP)

|                       |               |                 |              |     |                        |                   |             |                  |               |
|-----------------------|---------------|-----------------|--------------|-----|------------------------|-------------------|-------------|------------------|---------------|
| UL<br>A               | Section<br>17 | Township<br>25S | Range<br>33E | Lot | Feet<br>193            | From N/S<br>North | Feet<br>324 | From E/W<br>East | County<br>Lea |
| Latitude<br>32.137322 |               |                 |              |     | Longitude<br>-103.5868 |                   |             | NAD<br>83        |               |

Is this well the defining well for the Horizontal Spacing Unit? ☐ NO

Is this well an infill well? ☐ YES

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #  
30-025-46117

|                                      |                                           |                    |
|--------------------------------------|-------------------------------------------|--------------------|
| Operator Name:<br>Cimarex Energy Co. | Property Name:<br>VACA DRAW 20-17 FEDERAL | Well Number<br>44H |
|--------------------------------------|-------------------------------------------|--------------------|

KZ 06/29/2018