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

NM OIL CONSERVATION
ARTESIA DISTRICT
AUG 10 2018
RECEIVED

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 | [2] Pool Code | [3] Pool Name |
|---|---|---|
| 30-015-45157 | 13354 | Corral Canyon ~~Wildcat~~; Bone Spring South |

| [4] Property Code | [5] Property Name | [6] Well Number |
|---|---|---|
| 322241 | BRUSHY DRAW 30 FEDERAL | 901H |

| [7] OGRID No. | [8] Operator Name | [9] Elevation |
|---|---|---|
| 260737 | BOPCO, L.P. | 3084' |

## [10] 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 | 30 | 25 S | 30 E | 4 | 330 | SOUTH | 370 | WEST | EDDY |

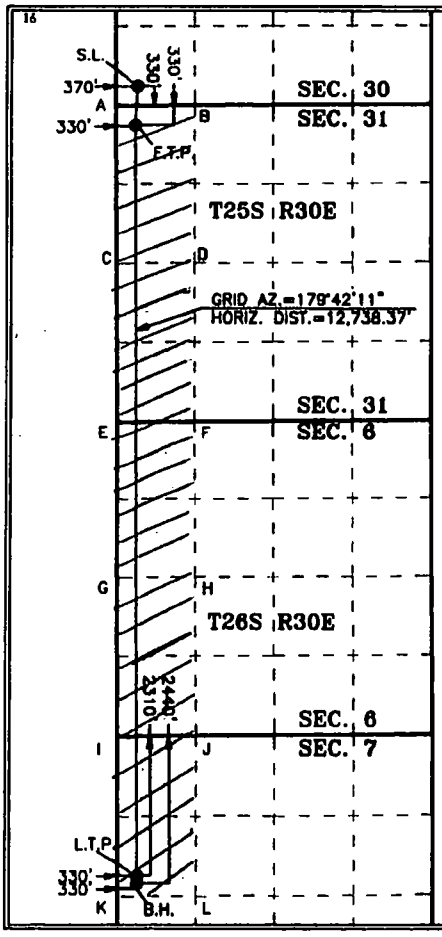
Unit

## [11] 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 |
|---|---|---|---|---|---|---|---|---|---|
| E | 7 | 26 S | 30 E | 2 | 2,440 | NORTH | 330 | WEST | EDDY |

| [12] Dedicated Acres | [13] Joint or Infill | [14] Consolidation Code | [15] Order No. |
|---|---|---|---|
| 400 | H0353 | | |

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.




| GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION | GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION |
|---|---|
| Y= 398,295.4 | Y= 398,353.4 |
| X= 625,641.1 | X= 666,826.1 |
| LAT.= 32.094380°N | LAT.= 32.094505°N |
| LONG.= 103.927618°W | LONG.= 103.928101°W |

| FIRST TAKE POINT NAD 27 NME | FIRST TAKE POINT NAD 83 NME |
|---|---|
| Y= 397,635.4 | Y= 397,693.4 |
| X= 625,605.5 | X= 666,790.5 |
| LAT.= 32.092566°N | LAT.= 32.092691°N |
| LONG.= 103.927741°W | LONG.= 103.928224°W |

CORNER COORDINATES TABLE NAD 27 NME

A - Y= 397,963.4 N, X= 625,273.3 E
B - Y= 397,971.7 N, X= 626,626.2 E
C - Y= 395,308.4 N, X= 625,280.7 E
D - Y= 395,315.3 N, X= 626,632.1 E
E - Y= 392,647.9 N, X= 625,308.7 E
F - Y= 392,657.3 N, X= 626,638.2 E
G - Y= 389,992.2 N, X= 625,319.1 E
H - Y= 390,001.9 N, X= 626,650.9 E
I - Y= 387,335.0 N, X= 625,330.5 E
J - Y= 387,344.6 N, X= 626,682.1 E
K - Y= 384,678.0 N, X= 625,342.0 E
L - Y= 384,688.3 N, X= 626,688.4 E

CORNER COORDINATES TABLE NAD 83 NME

A - Y= 398,021.4 N, X= 666,458.3 E
B - Y= 398,029.7 N, X= 667,811.3 E
C - Y= 395,364.3 N, X= 666,475.8 E
D - Y= 395,373.2 N, X= 667,817.2 E
E - Y= 392,705.8 N, X= 666,493.9 E
F - Y= 392,715.2 N, X= 667,823.4 E
G - Y= 390,050.0 N, X= 666,504.4 E
H - Y= 390,059.7 N, X= 667,845.2 E
I - Y= 387,392.8 N, X= 666,515.9 E
J - Y= 387,402.4 N, X= 667,867.5 E
K - Y= 384,735.7 N, X= 666,527.4 E
L - Y= 384,746.0 N, X= 667,873.9 E

| LAST TAKE POINT NAD 27 NME | LAST TAKE POINT NAD 83 NME |
|---|---|
| Y= 385,027.5 | Y= 385,085.2 |
| X= 625,670.5 | X= 666,855.9 |
| LAT.= 32.057907°N | LAT.= 32.058032°N |
| LONG.= 103.927684°W | LONG.= 103.928165°W |

| BOTTOM HOLE LOCATION NAD 27 NME | BOTTOM HOLE LOCATION NAD 83 NME |
|---|---|
| Y= 384,897.5 | Y= 384,955.2 |
| X= 625,671.1 | X= 666,856.5 |
| LAT.= 32.057549°N | LAT.= 32.057674°N |
| LONG.= 103.927684°W | LONG.= 103.928165°W |

## [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.*

Kelly Kardos 9/22/17
Signature Date

Kelly Kardos
Printed Name

kelly_kardos@xtoenergy.com
E-mail Address

## [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.*

08-07-2017
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number RR 2017060879

Rec 8-14-18

**APD ID:** 10400024544 **Submission Date:** 12/05/2017

**Operator Name:** BOPCO LP

**Well Name:** BRUSHY DRAW 30 FEDERAL **Well Number:** 901H

**Well Type:** OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

## Section 1 - Geologic Formations

| Formation ID | Formation Name | Elevation | True Vertical Depth | Measured Depth | Lithologies | Mineral Resources | Producing Formation |
|---|---|---|---|---|---|---|---|
| 1 | — | 3084 | 0 | 0 | ALLUVIUM,OTHER : Quaternary | NONE | No |
| 2 | RUSTLER | 2335 | 749 | 749 | SANDSTONE | USEABLE WATER | No |
| 3 | TOP SALT | 2098 | 986 | 986 | SALT | NONE | No |
| 4 | BASE OF SALT | -184 | 3268 | 3268 | SALT | NONE | No |
| 5 | DELAWARE | -374 | 3458 | 3458 | SANDSTONE | NATURAL GAS,OIL,OTHER : Produced Water | No |
| 6 | BONE SPRING 1ST | -5107 | 8191 | 8191 | SANDSTONE | NATURAL GAS,POTASH,OTHER : Produced Water | No |
| 7 | BONE SPRING 2ND | -5914 | 8998 | 8998 | SANDSTONE | NATURAL GAS,OIL,OTHER : Produced Water | No |
| 8 | BONE SPRING 3RD | -6221 | 9305 | 9305 | SANDSTONE | NATURAL GAS,OIL,OTHER : Produced Water | Yes |

## Section 2 - Blowout Prevention

**Pressure Rating (PSI):** 3M **Rating Depth:** 10500

**Equipment:** The blow out preventer equipment (BOP) for this well consists of a 13-5/8" minimum 3M Hydril and a 13-5/8" minimum 3M Double Ram BOP. Max bottom hole pressure should not exceed 5057 psi.
**Requesting Variance?** YES

**Variance request:** A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.
**Testing Procedure:** All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nippling up on the 13-5/8" 3M bradenhead and flange, the BOP test will be limited to 3000psi. All BOP tests will include a low pressure test as per BLM regulations. The 3M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

**Choke Diagram Attachment:**

BD_30_Fed_901H_3M_Choke_20171205101554.pdf

**BOP Diagram Attachment:**

BD_30_Fed_901H_3M_BOP_20171205101601.pdf