

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) 748-1281 Fax: (575) 748-9720
District III
1000 Rio Hrazos 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

NEW OIL CONSERVATION
ARTESIA DISTRICT

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

AUG 17 2018

☐ AMENDED REPORT

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|--|---|--|
| ¹ API Number 30-015-45191 | ² Pool Code 98220 | ³ Pool Name Purple Sage; Wolfcamp |
| ⁴ Property Code 322241 | ⁵ Property Name BRUSHY DRAW 30 FEDERAL | ⁶ Well Number 123H |
| ⁷ OGRID No. 260737 | ⁸ Operator Name BOPCO, L.P. | ⁹ Elevation 3094' |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| N | 30 | 25 S | 30 E | | 330 | SOUTH | 1,980 | WEST | EDDY |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| F | 7 | 26 S | 30 E | | 2,440 | NORTH | 1,650 | WEST | EDDY |

| | | | |
|---|--|----------------------------------|---|
| ¹² Dedicated Acres 800 | ¹³ Joint or Anfill 003.53 | ¹⁴ Consolidation Code | ¹⁵ Order No. N58-Pending |
|---|--|----------------------------------|---|

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.

| | | | |
|---------------|--|---|---|
| ¹⁶ | GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y = 398,305.2 X = 627,250.9 LAT. = 32.094391°N LONG. = 103.922418°W FIRST TAKE POINT NAD 27 NME Y = 397,643.5 X = 628,925.4 LAT. = 32.092575°N LONG. = 103.923478°W | GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y = 398,363.3 X = 668,438.0 LAT. = 32.094515°N LONG. = 103.922902°W FIRST TAKE POINT NAD 83 NME Y = 397,701.5 X = 668,110.5 LAT. = 32.092898°N LONG. = 103.923962°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. Signature: <u>Kelly Kardos</u> Date: <u>9/22/17</u> Printed Name: <u>Kelly Kardos</u> E-mail Address: <u>kelly_kardos@xtoenergy.com</u> |
| | CORNER COORDINATES TABLE NAD 27 NME A - Y = 397,979.8 N, X = 627,958.6 E B - Y = 397,971.7 N, X = 628,626.2 E C - Y = 395,324.1 N, X = 627,963.2 E D - Y = 395,315.3 N, X = 628,632.1 E E - Y = 392,666.7 N, X = 627,967.8 E F - Y = 392,657.3 N, X = 628,638.2 E G - Y = 390,011.6 N, X = 627,990.2 E H - Y = 390,001.9 N, X = 628,659.9 E I - Y = 387,354.0 N, X = 628,012.6 E J - Y = 387,344.6 N, X = 628,682.1 E K - Y = 384,698.5 N, X = 628,018.6 E L - Y = 384,688.3 N, X = 628,688.4 E | | |
| | CORNER COORDINATES TABLE NAD 83 NME A - Y = 398,037.8 N, X = 669,143.7 E B - Y = 398,029.7 N, X = 667,811.3 E C - Y = 395,382.0 N, X = 669,148.4 E D - Y = 395,373.2 N, X = 667,817.2 E E - Y = 392,724.6 N, X = 669,153.0 E F - Y = 392,715.2 N, X = 667,823.4 E G - Y = 390,069.4 N, X = 669,175.5 E H - Y = 390,059.7 N, X = 667,845.2 E I - Y = 387,411.8 N, X = 669,198.0 E J - Y = 387,402.4 N, X = 667,867.5 E K - Y = 384,756.2 N, X = 669,204.1 E L - Y = 384,746.0 N, X = 667,873.9 E | | |
| | LAST TAKE POINT NAD 27 NME Y = 385,036.8 X = 628,990.4 LAT. = 32.057918°N LONG. = 103.923423°W BOTTOM HOLE LOCATION NAD 27 NME Y = 384,906.8 X = 626,991.0 LAT. = 32.057561°N LONG. = 103.923423°W | | |

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.

08-10-2017

Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP 23786

Certificate Number



RR

2017060884

RWP 8-21-18



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Drilling Plan Data Report

08/06/2018

APD ID: 10400024395

Submission Date: 12/11/2017

Operator Name: BOPCO LP

Well Name: BRUSHY DRAW 30 FEDERAL

Well Number: 123H

Well Type: CONVENTIONAL GAS 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 | --- | 3094 | 0 | 0 | ALLUVIUM, OTHER : Quaternary | NONE | No |
| 2 | RUSTLER | 2341 | 753 | 753 | SANDSTONE | USEABLE WATER | No |
| 3 | TOP SALT | 2098 | 996 | 996 | SALT | NONE | No |
| 4 | BASE OF SALT | -184 | 3278 | 3278 | SALT | NONE | No |
| 5 | DELAWARE | -374 | 3468 | 3468 | SANDSTONE | NATURAL GAS, OIL, OTHER : Produced Water | No |
| 6 | BONE SPRING 1ST | -5107 | 8201 | 8201 | SANDSTONE | NATURAL GAS, POTASH, OTHER : Produced Water | No |
| 7 | BONE SPRING 2ND | -5914 | 9008 | 9008 | SANDSTONE | NATURAL GAS, OIL, OTHER : Produced Water | No |
| 8 | BONE SPRING 3RD | -7015 | 10109 | 10109 | SANDSTONE | NATURAL GAS, OIL, OTHER : Produced Water | No |
| 9 | WOLFCAMP | -7554 | 10648 | 10648 | SHALE | NATURAL GAS, OIL, OTHER : Produced Water | Yes |

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 10873

Equipment: The blow out preventer equipment (BOP) for this well consists of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 5M Double Ram BOP. Max bottom hole pressure should not exceed 3945 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 nipping up on the 13-5/8" 5M bradenhead and flange, the BOP test will be limited to 5000psi. All BOP tests will include a low pressure test as per BLM regulations. The 5M 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_123H_5M_Choke_20171211070102.pdf