

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 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

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	
⁷ OGRID No. 260737	⁸ Operator Name BOPCO, L.P.	⁶ Well Number 123H
		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 Annuity 003.53	¹⁴ Consolidation Code	¹⁵ Order No. N58-Pending
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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>16</p> <p>1980' 1650'</p> <p>SEC. 30 SEC. 31</p> <p>T25S R30E</p> <p>GRID AZ = 178°42'11" HORIZ. DIST. = 12,737.15'</p> <p>SEC. 31 SEC. 6</p> <p>T26S R30E</p> <p>SEC. 6 SEC. 7</p> <p>1650' 1650'</p>	<p>GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y = 398,305.2 X = 627,250.9 LAT. = 32.094391°N LONG. = 103.922418°W</p> <p>FIRST TAKE POINT NAD 27 NME Y = 397,643.5 X = 628,925.4 LAT. = 32.092575°N LONG. = 103.923478°W</p> <p>CORNER COORDINATES TABLE NAD 27 NME</p> <table border="1"> <tr><td>A - Y = 397,979.8 N, X = 627,958.6 E</td></tr> <tr><td>B - Y = 397,971.7 N, X = 626,626.2 E</td></tr> <tr><td>C - Y = 395,324.1 N, X = 627,963.2 E</td></tr> <tr><td>D - Y = 395,315.3 N, X = 628,632.1 E</td></tr> <tr><td>E - Y = 392,666.7 N, X = 627,967.8 E</td></tr> <tr><td>F - Y = 392,657.3 N, X = 626,638.2 E</td></tr> <tr><td>G - Y = 390,011.6 N, X = 627,990.2 E</td></tr> <tr><td>H - Y = 390,001.9 N, X = 626,659.9 E</td></tr> <tr><td>I - Y = 387,354.0 N, X = 628,012.6 E</td></tr> <tr><td>J - Y = 387,344.6 N, X = 626,682.1 E</td></tr> <tr><td>K - Y = 384,698.5 N, X = 628,018.6 E</td></tr> <tr><td>L - Y = 384,688.3 N, X = 626,688.4 E</td></tr> </table> <p>CORNER COORDINATES TABLE NAD 83 NME</p> <table border="1"> <tr><td>A - Y = 398,037.8 N, X = 669,143.7 E</td></tr> <tr><td>B - Y = 398,029.7 N, X = 667,811.3 E</td></tr> <tr><td>C - Y = 395,382.0 N, X = 669,148.4 E</td></tr> <tr><td>D - Y = 395,373.2 N, X = 667,817.2 E</td></tr> <tr><td>E - Y = 392,724.6 N, X = 669,153.0 E</td></tr> <tr><td>F - Y = 392,715.2 N, X = 667,823.4 E</td></tr> <tr><td>G - Y = 390,069.4 N, X = 669,175.5 E</td></tr> <tr><td>H - Y = 390,059.7 N, X = 667,845.2 E</td></tr> <tr><td>I - Y = 387,411.8 N, X = 669,198.0 E</td></tr> <tr><td>J - Y = 387,402.4 N, X = 667,867.5 E</td></tr> <tr><td>K - Y = 384,758.2 N, X = 669,204.1 E</td></tr> <tr><td>L - Y = 384,746.0 N, X = 667,873.9 E</td></tr> </table> <p>LAST TAKE POINT NAD 27 NME Y = 385,036.8 X = 626,990.4 LAT. = 32.057918°N LONG. = 103.923423°W</p> <p>BOTTOM HOLE LOCATION NAD 27 NME Y = 384,906.8 X = 626,991.0 LAT. = 32.057918°N LONG. = 103.923423°W</p>	A - Y = 397,979.8 N, X = 627,958.6 E	B - Y = 397,971.7 N, X = 626,626.2 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 = 626,638.2 E	G - Y = 390,011.6 N, X = 627,990.2 E	H - Y = 390,001.9 N, X = 626,659.9 E	I - Y = 387,354.0 N, X = 628,012.6 E	J - Y = 387,344.6 N, X = 626,682.1 E	K - Y = 384,698.5 N, X = 628,018.6 E	L - Y = 384,688.3 N, X = 626,688.4 E	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 = 384,758.2 N, X = 669,204.1 E	L - Y = 384,746.0 N, X = 667,873.9 E	<p>17 OPERATOR CERTIFICATION</p> <p>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</p> <p><i>Kelly Kardos</i> 9/22/17 Signature Date</p> <p>Kelly Kardos Printed Name</p> <p>kelly_kardos@xtoenergy.com E-mail Address</p>
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<p>18 SURVEYOR CERTIFICATION</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>08-10-2017 Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p><i>Mark Dillon HARP</i></p> <p>MARK DILLON HARP 23786 Certificate Number</p> <p>RR 2017060884</p>																											

RW 8-21-18



APD ID: 10400024395

Submission Date: 12/11/2017

Highlighted data
reflects the most
recent changes

Operator Name: BOPCO LP

Well Name: BRUSHY DRAW 30 FEDERAL

Well Number: 123H

Show Final Text

Well Type: CONVENTIONAL GAS WELL

Well Work Type: Drill

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