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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr. AUG 17 2018
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45192		² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp
⁴ Property Code 322241	⁵ Property Name BRUSHY DRAW 30 FEDERAL		⁶ Well Number 125H
⁷ OGRID No. 260737	⁸ Operator Name BOPCO, L.P.		⁹ Elevation 3108'

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
O	30	25 S	30 E		330	SOUTH	1,585	EAST	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
G	7	26 S	30 E		2,440	NORTH	1,650	EAST	EDDY

¹² Dedicated Acres 800	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSR-Pending Approval
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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>GRID AZ = 179°44'44" HORIZ. DIST. = 12,734.73'</p>	<p>GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y = 398,317.1 X = 628,033.5 LAT. = 32.094404°N LONG. = 103.916683°W</p> <p>FIRST TAKE POINT NAD 27 NME Y = 397,656.4 X = 628,971.0 LAT. = 32.092589°N LONG. = 103.916873°W</p> <p>CORNER COORDINATES TABLE NAD 27 NME A - Y = 397,979.8 N, X = 627,958.6 E B - Y = 397,988.4 N, X = 629,289.5 E C - Y = 395,324.1 N, X = 627,983.2 E D - Y = 395,333.0 N, X = 629,294.2 E E - Y = 392,666.7 N, X = 627,987.8 E F - Y = 392,676.8 N, X = 629,288.2 E G - Y = 390,011.6 N, X = 627,990.2 E H - Y = 390,021.2 N, X = 629,319.9 E I - Y = 387,354.0 N, X = 628,012.6 E J - Y = 387,364.5 N, X = 629,340.2 E K - Y = 384,698.5 N, X = 628,018.6 E L - Y = 384,708.7 N, X = 629,348.2 E</p> <p>CORNER COORDINATES TABLE NAD 83 NME A - Y = 398,037.8 N, X = 669,143.7 E B - Y = 398,046.4 N, X = 670,474.6 E C - Y = 395,382.0 N, X = 669,148.4 E D - Y = 395,390.9 N, X = 670,479.4 E E - Y = 392,724.6 N, X = 669,153.0 E F - Y = 392,734.7 N, X = 670,483.5 E G - Y = 390,089.4 N, X = 669,175.5 E H - Y = 390,079.0 N, X = 670,505.2 E I - Y = 387,411.8 N, X = 669,198.0 E J - Y = 387,422.3 N, X = 670,525.6 E K - Y = 384,756.2 N, X = 669,204.1 E L - Y = 384,766.4 N, X = 670,533.7 E</p> <p>LAST TAKE POINT NAD 27 NME Y = 385,052.1 X = 629,026.8 LAT. = 32.057939°N LONG. = 103.918851°W</p> <p>BOTTOM HOLE LOCATION NAD 27 NME Y = 384,922.1 X = 629,027.1 LAT. = 32.057582°N LONG. = 103.918851°W</p>	<p>GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y = 398,375.1 X = 670,218.6 LAT. = 32.094529°N LONG. = 103.917146°W</p> <p>FIRST TAKE POINT NAD 83 NME Y = 397,714.4 X = 670,156.1 LAT. = 32.092713°N LONG. = 103.917356°W</p> <p>LAST TAKE POINT NAD 83 NME Y = 385,109.8 X = 670,212.1 LAT. = 32.058064°N LONG. = 103.917332°W</p> <p>BOTTOM HOLE LOCATION NAD 83 NME Y = 384,979.8 X = 670,212.6 LAT. = 32.057707°N LONG. = 103.917332°W</p>	<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>
	<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>08-16-2017 Date of Survey</p> <p>Signature and Seal of Professional Surveyor: <i>Mark Dillon Harp</i></p> <p>MARK DILLON HARP 23786 Certificate Number</p> <p>RR 2017060891</p>		
	<p>MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR</p>		
	<p>RWP 8.21-2018.</p>		



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

Drilling Plan Data Report

08/06/2018

APD ID: 10400024516

Submission Date: 12/11/2017

Operator Name: BOPCO LP

Well Name: BRUSHY DRAW 30 FEDERAL

Well Number: 125H

Well Type: CONVENTIONAL GAS WELL

Well Work Type: Drill

Highlighted data
represents 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	---	3108	0	0	ALLUVIUM, OTHER : Quaternary	NONE	No
2	RUSTLER	2341	767	767	SANDSTONE	USEABLE WATER	No
3	TOP SALT	2098	1010	1010	SALT	NONE	No
4	BASE OF SALT	-184	3292	3292	SALT	NONE	No
5	DELAWARE	-374	3482	3482	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	No
6	BONE SPRING 1ST	-5107	8215	8215	SANDSTONE	NATURAL GAS, POTASH, OTHER : Produced Water	No
7	BONE SPRING 2ND	-5914	9022	9022	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	No
8	BONE SPRING 3RD	-7015	10123	10123	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	No
9	WOLFCAMP	-7554	10662	10662	SHALE	NATURAL GAS, OIL, OTHER : Produced Water	Yes

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 10887

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_125H_5M_Choke_20171211061110.pdf