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

RECEIVED

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

DISTRICT II-ARTESIA O.O.D. AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-015-46146</b>	<sup>2</sup> Pool Code <b>98220</b>	<sup>3</sup> Pool Name <b>PURPLE SAGE; WOLFCAMP (GAS)</b>
<sup>4</sup> Property Code <b>325772</b>	<sup>5</sup> Property Name <b>MAZER RACKHAM 20 WA FED COM</b>	<sup>6</sup> Well Number <b>1H</b>
<sup>7</sup> OGRID No. <b>372098</b>	<sup>8</sup> Operator Name <b>MARATHON OIL PERMIAN LLC</b>	<sup>9</sup> Elevation <b>2872'</b>

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	20	26S	29E		966	NORTH	540	EAST	EDDY

<sup>11</sup> 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
P	20	26S	29E		330	SOUTH	330	EAST	EDDY

<sup>12</sup> Dedicated Acres <b>320.0</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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.

**CORNER COORDINATES NAD 83, SPCS NM EAST**  
A - X: 642535.61' / Y: 376817.54'  
B - X: 645175.01' / Y: 376837.52'  
C - X: 645293.58' / Y: 371608.28'  
D - X: 642590.08' / Y: 371460.95'

**CORNER COORDINATES NAD 27, SPCS NM EAST**  
A - X: 601350.13' / Y: 376759.99'  
B - X: 603989.47' / Y: 376779.95'  
C - X: 604107.90' / Y: 371550.82'  
D - X: 601404.47' / Y: 371403.51'

**SURFACE HOLE LOCATION**  
966' FNL 540' FEL, SECTION 20  
NAD 83, SPCS NM EAST  
X: 644641.25' / Y: 375867.76'  
LAT: 32.03290227N / LON: -103.99996432W  
NAD 27, SPCS NM EAST  
X: 603455.70' / Y: 375810.21'  
LAT: 32.03277727N / LON: -103.99948156W

**KICK OFF POINT**  
100' FNL 330' FEL, SECTION 20  
NAD 83, SPCS NM EAST  
X: 644845.71' / Y: 376735.03'  
LAT: 32.03528460N / LON: -103.99929567W  
NAD 27, SPCS NM EAST  
X: 603660.17' / Y: 376677.46'  
LAT: 32.03515962N / LON: -103.99881307W

**FIRST TAKE POINT**  
330' FNL 330' FEL, SECTION 20  
NAD 83, SPCS NM EAST  
X: 644847.29' / Y: 376505.03'  
LAT: 32.03465234N / LON: -103.99929306W  
NAD 27, SPCS NM EAST  
X: 603661.75' / Y: 376447.47'  
LAT: 32.03452736N / LON: -103.99881027W

**LAST TAKE POINT/BOTTOM HOLE LOCATION**  
330' FSL 330' FEL, SECTION 20  
NAD 83, SPCS NM EAST  
X: 644951.26' / Y: 371920.12'  
LAT: 32.02204777N / LON: -103.99900335W  
NAD 27, SPCS NM EAST  
X: 603765.60' / Y: 371862.64'  
LAT: 32.02192264N / LON: -103.99852100W

**<sup>17</sup> 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.

*Jennifer Van Curen* 1/14/19  
Signature Date

Jennifer Van Curen  
Printed Name

E-mail Address

**<sup>18</sup> 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.

JANUARY 10, 2019  
Date of Survey

Signature and Seal of Professional Surveyor

Certificate Number  
DAVID W. MYERS 11403

SHEET 1 OF 3  
JOB No. R3893\_016  
REV 0 JCS 12/26/2018

RUP 6-28-19



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

## Drilling Plan Data Report

06/12/2019

APD ID: 10400038177

Submission Date: 01/23/2019

Highlighted data  
reflects the most  
recent changes

Operator Name: MARATHON OIL PERMIAN LLC

Well Name: MAZER RACKHAM 20 WA FED COM

Well Number: 1H

[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	RUSTLER	2872	358	358	DOLOMITE, SALT, ANHYDRITE	OTHER : Brine	No
2	CASTILE	2038	954	954	SALT	OTHER : Brine	No
3	BASE OF SALT	316	2556	2567	LIMESTONE, SANDSTONE, SALT	OTHER : Brine	No
4	LAMAR	214	2658	2670	SHALE, SANDSTONE	OIL	No
5	BELL CANYON	185	2687	2700	SHALE, SANDSTONE	OIL	No
6	CHERRY CANYON	-905	3777	3807	LIMESTONE, SANDSTONE	NATURAL GAS, OIL	No
7	BRUSHY CANYON	-1974	4846	4892	OTHER : Sands/Carbonate	OIL	No
8	BONE SPRING	-3618	6490	6561	OTHER : Sands/Carbonate	OIL	No
9	WOLFCAMP	-6783	9655	9758	SHALE, SANDSTONE, OTHER : Carbonates	OIL	Yes

### Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 15152

**Equipment:** 13 5/8 5M Annular, pipe ram, and double ram will be installed and tested for each of the 12 1/4, 8 3/4 and 6 1/8 hole sections. Choke manifold outlet destinations include a shaker and panic line. Check and kill valve will meet or exceed minimum BOP requirements.

**Requesting Variance?** YES

**Variance request:** A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.

**Testing Procedure:** -BOP/BOPE will be tested to 50% of the working pressure (5,000) by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested. - Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock, full opening safety valve / inside BOP and choke lines and choke manifold. See attached schematics. - Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i. - A multibowl wellhead is being used.