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

Ο

= SECTION CORNERS LOCATED

♦ = LANDING POINT

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

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

AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT <sup>1</sup> API Numbe <sup>2</sup> Pool Code <sup>3</sup> Pool Name 30-015- 44697 98220 Purple Sage (Wolfcamp) Gas AProperty Co Code <sup>5</sup> Property Name Well Number DAVINCI 7-18 FEDERAL COM 9H <sup>8</sup> Operator Name OGRID No Elevation CIMAREX ENERGY CO. 3279.1 215099 Surface Location Township orth/South line UL or let ne. Section Range Lot Idn Fect from the Feet from the East/West line County SOUTH EDDY LOT 7 6 258 27E 410 1050 WEST <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 LOT 4 18 25S 27E 330 SOUTH 380 WEST EDDY 12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No. 635.36 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. 589'39'20"W S89'47'57"W NOTE: "OPERATOR T24S2518.78' (Meas. 2652.33' (Meas. Distances referenced CERTIFICATION on plat to section line T25SI hereby certify that the information contained are perpendicular. (Meas. herein is true and complete to the best of my LINE TABLE LOT LOT 3 LOT 2 LOT Basis of Bearing is a 4 knowledge and belief, and that this Transverse Mercator 8 organization either owns a working interest or Projection with a R R 2617.16 LINE DIRECTION LENGTH unleased mineral interest in the land including Central Meridian of W103°53'00" 5298.07 27<sub>LQT</sub> the proposed bottom hole location or has a 26 Ñ S41'05'04"W 1017.42 L1 right to drill this well at this location pursuant to a contract with an owner of such a mineral E E 5 L2 S89"24'51"W 2622.35 or working interest, or to a voluntary pooling n (Meas.) agreement or a compulsory pooling order LOT 6 L3 S89"29'49"W 2634.08 heretofore entered by the division. £, LOT 7 V00'05'51' Amithy Crawford 10/19/2017 10110'1 2651.87' ( NAD 83 (SURFACE HOLE LOCATION) 1050' Signature Date LATITUDE = 32°09'10.44" (32.152900) LONGITUDE = 104°14'04.55" (104.234597) SHL Amithy Crawford Printed Name NAD 27 (SURFACE HOLE LOCATION) LATITUDE = $32^{\circ}09'10.00''$ (32.152778) 12 S89'23'56"W (Meas.) 380 LONGITUDE = $104^{\circ}14'02.76''$ (104.234100) 2648.28' (Meas. P ≥ STATE PLANE NAD 83 (NM EAST) N00'06'37"W 2648.41' acrawford@cimarex.com LOT 1 N: 419373.86 E: 571894.03 N00'10'. 2650.83' E-mail Address (Neas.) STATE PLANE NAD 27 (NM EAST) N: 419316.36 E: 530711.12 <sup>18</sup>SURVEYOR LOT NAD 83 (BOTTOM HOLE LOCATION) 10 2 CERTIFICATION LATITUDE = 32°07'24.72" (32.123533) I hereby certify that the well location shown '39 "W (Meas.) 18 LONGITUDE = 104°14'12.29" (104.236747) on this plat was plotted from field notes of (Meas. N00'05'46"W 2648.66° (Meas. SLOT NAD 27 (BOTTOM HOLE LOCATION) actual surveys made by me or under my 3 supervision, and that the same is true and LATITUDE = 32°07'24.28" (32.123411) ļ, correct to the best of my belief. LONGITUDE = 104°14'10.50" (104.236250) 40 N0070 2 STATE PLANE NAD 83 (NM EAST) 200.00 October 17, 2016 LOT N: 408690 71 E: 571237.66 Date of Survey 4 STATE PLANE NAD 27 (NM EAST) Signature and Seal of Professional Surveyor: N: 408633.42 E: 530054.60 S89'25'15"W -5277.71 (Meas. (Meas.) BUCHELE NOO'07'33"E 551.48' (Meas. (Neas. LOT 1 500 3000 PAUL ¥ ò MEX 10 N00'00' 2654.53' JEW . LOT 2651 SCALE 2 18 DRAWN BY: K.A. 01-05-17 (Meas.) REV: 1 07-15-17 C.D. LOT N00'01'02"E 2649.10' (Meas.) 3 (SHL, LP & BHL CHANGES Ŕ 4 RSS IONAL 10 SURY = SURFACE HOLE LOCATION NDO'01 2651.52' LOT 4 = BOTTOM HOLE LOCATION

BHL Ģ

ន្លៃ

L3

S89'27'56"W

2651.89' (Meas.)

380

Rul 2-19-18

Certificate Number

# **AFMSS**

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



APD ID: 10400023870

Operator Name: CIMAREX ENERGY COMPANY

Well Name: DAVINCI 7-18 FEDERAL COM

Well Type: CONVENTIONAL GAS WELL

Submission Date: 10/25/2017

Well Number: 9H

Highlighted data reflects the most recent changes

Show Final Text

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	3279	0	0		USEABLE WATER	No
2	SALADO	2101	1178	1178	<u> </u>	NONE	No
3	CASTILE	1442	1837	1837		NONE	No
4	BELL CANYON	1236	2043	2043		NATURAL GAS,OIL	No
5	CHERRY CANYON	257	3022	3027		NATURAL GAS,OIL	No
6	BRUSHY CANYON	-771	4050	4065		NATURAL GAS,OIL	No
7	BRUSHY CANYON LOWER	-1955	5234	5260		NATURAL GAS,OIL	No
8	BONE SPRING	-2266	5545	5573		NATURAL GAS,OIL	No
9	BONE SPRING 1ST	-3210	6489	6526		NATURAL GAS,OIL	No
10	BONE SPRING 2ND	-3670	6949	6991		NATURAL GAS,OIL	No
11	BONE SPRING 3RD	-5018	8297	8340		NATURAL GAS,OIL	No
12	WOLFCAMP	-5344	8623	8666		NATURAL GAS,OIL	Yes

## **Section 2 - Blowout Prevention**

Pressure Rating (PSI): 2M

Rating Depth: 450

**Equipment:** A BOP consisting of three rams, including one blind ram and two pipe rams and one annular preventer. An accumulator that meets the requirements in Onshore Order #2 for the pressure rating of the BOP stack. A rotating head may be installed as needed. A Kelly clock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

Requesting Variance? YES

**Variance request:** Co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. In the event the specific hose is not available, one of equal or higher rating will be used. Variance to include Hammer Union connections on lines downstream of the buffer tank only