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State of New Mexico **OIL CONSERVATION**
Energy, Minerals & Natural Resources **ARTESIA DISTRICT**
OIL CONSERVATION DIVISION
1220 South St. Francis Dr. **AUG 07 2018**
Santa Fe, NM 87505

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

AMENDED REPORT

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015 -45147	² Pool Code 97494	³ Pool Name Cottonwood Draw Heat Bone Spring
⁴ Property Code 322224	⁵ Property Name COTTONBERRY 20 FEDERAL	
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁶ Well Number 1H ⁹ Elevation 3149.3'

"Surface Location

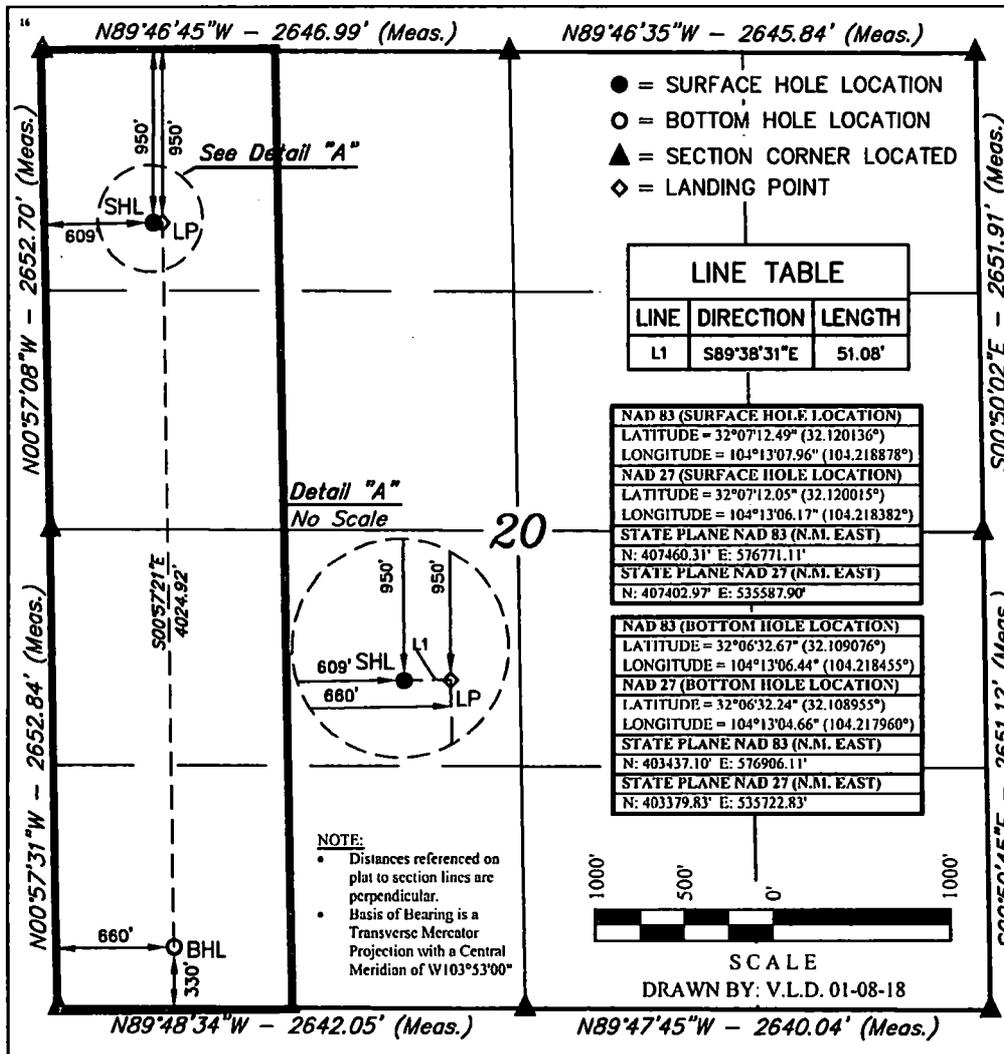
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	20	25S	27E		950	NORTH	609	WEST	EDDY

"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
M	20	25S	27E		330	SOUTH	660	WEST	EDDY

¹⁰ Dedicated Acres 160	¹¹ Joint or Infill	¹² Consolidation Code	¹³ 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.



"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 as aforesaid entered by the division.

Aricka Easterling 8/9/18
Signature Date

Aricka Easterling
Printed Name

aeasterling@cimarex.com
E-mail Address

"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.

December 21, 2018

Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:

Rup 8-9-18



APD ID: 10400026444

Submission Date: 01/31/2018

Highlighted data
reflects the most
recent changes

Operator Name: CIMAREX ENERGY COMPANY

Well Name: COTTONBERRY 20 FEDERAL

Well Number: 1H

Show Final Text

Well Type: OIL 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	3149	0	0		USEABLE WATER	No
2	SALADO	1879	1270	1270		NONE	No
3	CASTILE	1282	1867	1867		NONE	No
4	BELL CANYON	1088	2061	2061		NATURAL GAS,OIL	No
5	CHERRY CANYON	133	3016	3016		NATURAL GAS,OIL	No
6	BRUSHY CANYON	-907	4056	4056		NATURAL GAS,OIL	No
7	BONE SPRING	-2463	5612	5612		NATURAL GAS,OIL	No
8	BONE SPRING 1ST	-3469	6618	6618		NATURAL GAS,OIL	No
9	BONE SPRING 2ND	-3971	7120	7120		NATURAL GAS,OIL	Yes
10	BONE SPRING 3RD	-4271	7420	7420		NATURAL GAS,OIL	No

Section 2 - Blowout Prevention

Pressure Rating (PSI): 2M

Rating Depth: 400

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

Testing Procedure: A multi-bowl wellhead system will be utilized. After running the 13-3/8" surface casing, a 13 5/8" BOP/BOPE system with a minimum working pressure of 3000 psi will be installed on the wellhead system and will be pressure tested to 250 psi low followed by a 3000 psi test. Annular will be tested to 50% of working pressure. The pressure test will be repeated at least every 30 days, as per Onshore Order No. 2. The multi-bowl wellhead will be installed by vendor's representative. A copy of the installation instructions has been sent to the BLM field office. The wellhead will be