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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

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

APR 12 2019 Form C-102
Revised August 1, 2011
appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45876		² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code 325383	⁵ Property Name ASTEROID 20-29 FED COM WCB		⁶ Well Number 1H
⁷ OGRID No. 372137	⁸ Operator Name CHISHOLM ENERGY OPERATING, LLC		⁹ Elevation 3386.7

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
B	20	23 S	26 E		120	NORTH	1360	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
P	29	23 S	26 E		330	SOUTH	400	EAST	EDDY

¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

Map details include:
 - Section 20 (NMNM070200) and Section 29 (NMNM069578, NMNM090809, NMNM094838, NMNM090809, NMNM094838).
 - Well location: ASTEROID 20-29 FED COM WCB 1H, ELEV. = 3386.7', LAT. = 32.2965579°N (NAD83), LONG. = 104.3113700°W.
 - FTP LANDING POINT: FNL 400 FEL, LAT. = 32.2959852°N, LONG. = 104.3082611°W.
 - LAST TAKE POINT BOTTOM OF HOLE: 330' FSL, 400' FEL, LAT. = 32.2687755°N, LONG. = 104.3081808°W.
 - Grid Azimuth: 577°46'27"E, Horiz. Dist: 983.19 FT.
 - Grid Azimuth: 00°09'26"E, Horiz. Dist: 9900.93 FT.
 - LTP BHL: 400' FSL, 330' FEL, LAT. = 46°15'14.48"N, LONG. = 104°59'11.66"W.
 - NOT FOUND SCALED

¹⁷ 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 Elrod 11/19/2018
 Signature Date

JENNIFER ELROD
 Printed Name

jelrod@chisholmenergy.com
 E-mail Address

¹⁸ 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 are true and correct to the best of my belief.

MAY 22, 2018
 Date of Survey

FILIMON F. JARAMILLO
 Signature and Seal of Professional Surveyor

Certificate Number: **FILIMON F. JARAMILLO, PLS 12797**
 SURVEY NO. 6280

R.R. 4-17-19



APD ID: 10400032426

Submission Date: 07/26/2018

Highlighted data reflects the most recent changes

Operator Name: CHISHOLM ENERGY OPERATING LLC

Well Name: ASTEROID 20-29 FED COM WCB

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	DELAWARE	3364	1843	1843	SHALE,SANDSTONE,SILTSTONE	NONE	No
2	BONE SPRING	-1744	5108	5108	LIMESTONE,SHALE	NATURAL GAS,OIL	No
3	BONE SPRING 1ST	-2685	6049	6049	SHALE,SANDSTONE,SILTSTONE	NATURAL GAS,OIL	No
4	BONE SPRING 2ND	-2969	6333	6333	SHALE,SANDSTONE,SILTSTONE	NATURAL GAS,OIL	No
5	BONE SPRING 3RD	-3159	6523	6523	LIMESTONE	NATURAL GAS,OIL	No
6	BONE SPRING 3RD	-4808	8172	8172	SHALE,SANDSTONE,SILTSTONE	NATURAL GAS,OIL	No
7	WOLFCAMP	-5182	8546	8546	LIMESTONE,SHALE,SILTSTONE	NATURAL GAS,OIL	No
8	WOLFCAMP	-5280	8644	8644	LIMESTONE,SHALE,SILTSTONE	NATURAL GAS,OIL	No
9	WOLFCAMP	-5585	8949	8949	LIMESTONE	NATURAL GAS,OIL	No
10	WOLFCAMP	-5950	9314	9314	LIMESTONE,SHALE,SILTSTONE	NATURAL GAS,OIL	Yes

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 12500

Equipment: Rotating head, Mud Gas Separator, Flare Line, Remote Kill Line

Requesting Variance? YES

Variance request: WE PROPOSE UTILIZING A CACTUS SPEED HEAD MULTI-BOWL WELLHEAD FOR THIS WELL. PLEASE SEE ATTACHED DIAGRAM AND PRESSURE TESTING STATEMENT. ALSO WE REQUEST TO USE A FLEX CHOKE HOSE; PLEASE SEE ATTACHMENT.

Testing Procedure: As per Onshore Order #2 BOP testing procedure -N/U the rig's BOP. Use 3rd party testers to perform the following: -Test the pipe rams, blind rams, floor valves (IBOP and/or upper Kelly valve), choke lines and manifold to 250 psi/5,000 psi with a test plug and a test pump. -Test the Hydril annular to 250 psi/2,500 psi with same as above.

Choke Diagram Attachment:

5M_Choke_Manifold_Diagram_20180726123652.pdf