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State of New Mexico

HOBBES OGD 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

MAY 20 2014

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☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-41361	² Pool Code 28435	³ Pool Name Grama Rdige; Bone Spring, Northeast
⁴ Property Code 40096	⁵ Property Name Gramma 27 State	⁶ Well Number 1H
⁷ OGRID No. 249099	⁸ Operator Name Caza Operating, LLC	⁹ Elevation 3682 GR

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	27	21 S	34 E		330	South	1980	East	Lea

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
B	27	21 S	34 E		355 353	North	2289 2370	East	Lea

¹² Dedicated Acres 160.18	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.

¹⁶ A-Y= 531103.1 N, X=770218.9E B-Y= 531116.6 N, X=771540.6 E C-Y=525834.9 N, X=771587.6 E D-Y=525822.3 N, X=770266.9E NAD 27 NME		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. Signature: <i>Richard L. Wright</i> Date: 5-20-14 Printed Name: Richard L. Wright E-mail Address: rwright@cazapetro.com
	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 is true and correct to the best of my belief. Date of Survey: Signature and Seal of Professional Surveyor: Certificate Number:	

JUN 03 2014

Gramma 27 State # 1H

Location: Section 27_T21S_R34E_Lea County, New Mexico



API #30-025-41361

GR 3682 KB 18.5'

Wellbore Sketch

Depth
(TVD-ft)

1000

2000

3000

4000

5000

6000

7000

8000

9000

10000

11000

12000

20" Cond @ 139'

13.375" 54.5# J-55 ST&C

@ 1797 ft

Cmt'd w/ 1200 sks "C" 4% gel 13.5 ppg. Tailed

w/ 340 sks "C" 14.8 ppg. Circ 649 sks Excess

HOBBS OCD

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9.625" 40 & 40# J-55 &

HCK LT&C @ 5446 ft

Cmt'd 1st stg w/ 365 sks "C" 12.4 ppg. Tailed w/ 345 sks "C"

14.8 ppg. Stg tool & CP @ 3566'. Cmt'd 2nd stge w/ 775 sks

"C" lite 12.4 ppg. Tailed @ 200 sks "C" 14.8 ppg. Gray wtr

returned.

KOP 10,603 ft. Lateral TVD ± 11,200 ft. EOL planned ± 15,481 ft. 12° curve direction 353° Azimuth.

Curve drilled w/ 8.75" bit. Set 7" csg Shoe @ 11,444

7.0" 29 lb P-110 LTC Csg @ 11,444'

Cmt'd w/ 487 sks "H" 65/35 Poz 12.6 ppg+1pps KOL Seal- Tailed w/ 515 sks "H" 15.6 ppg. TOC 6200 CBL.

Perfs 15,369-72, 15271-74, 15173-76, 15075-78, 14977-80, 14879-82, 14781-84, 14689-91, 14585-88, 14487-90, 14389-92, 14291-94, 14187-90, 14095-98, 13997-14000, 13899-02, 13801-04, 13703-06, 13605-08, 13507-10, 13409-12, 13311-14, 13213-16, 13115-18, 13014-17, 12919-22, 12821-24, 12723-26, 12625-28, 12527-30, 12429-32, 12331-34, 12233-36, 12135-38, 12037-40, 11937-40, 11841-44, 11743-46, 11645-48, 11544-47, 11449-52, 11351-54 (total 672 holes)

Liner Top ± 10,400'

4-1/2 Lnr 10,399-15,492 ft

4-1/2" Liner Cmt'd w/ 260 sks

4.5" 13.5# CDC Liner. TVD "H" 15.0 ppg. Circ 30 bbls

11,192-205'. PBTD 15,399

LC. Perfs 11,351-15,372'

8.75" Open Hole drilled to 11,450 ft
MD. KOP 10603. Curve Drilled with
8.75" bit. Lateral with 6.125"