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HOBBS OIL 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

MAY 20 2014

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WELL LOCATION AND ACREAGE DEDICATION PLAT

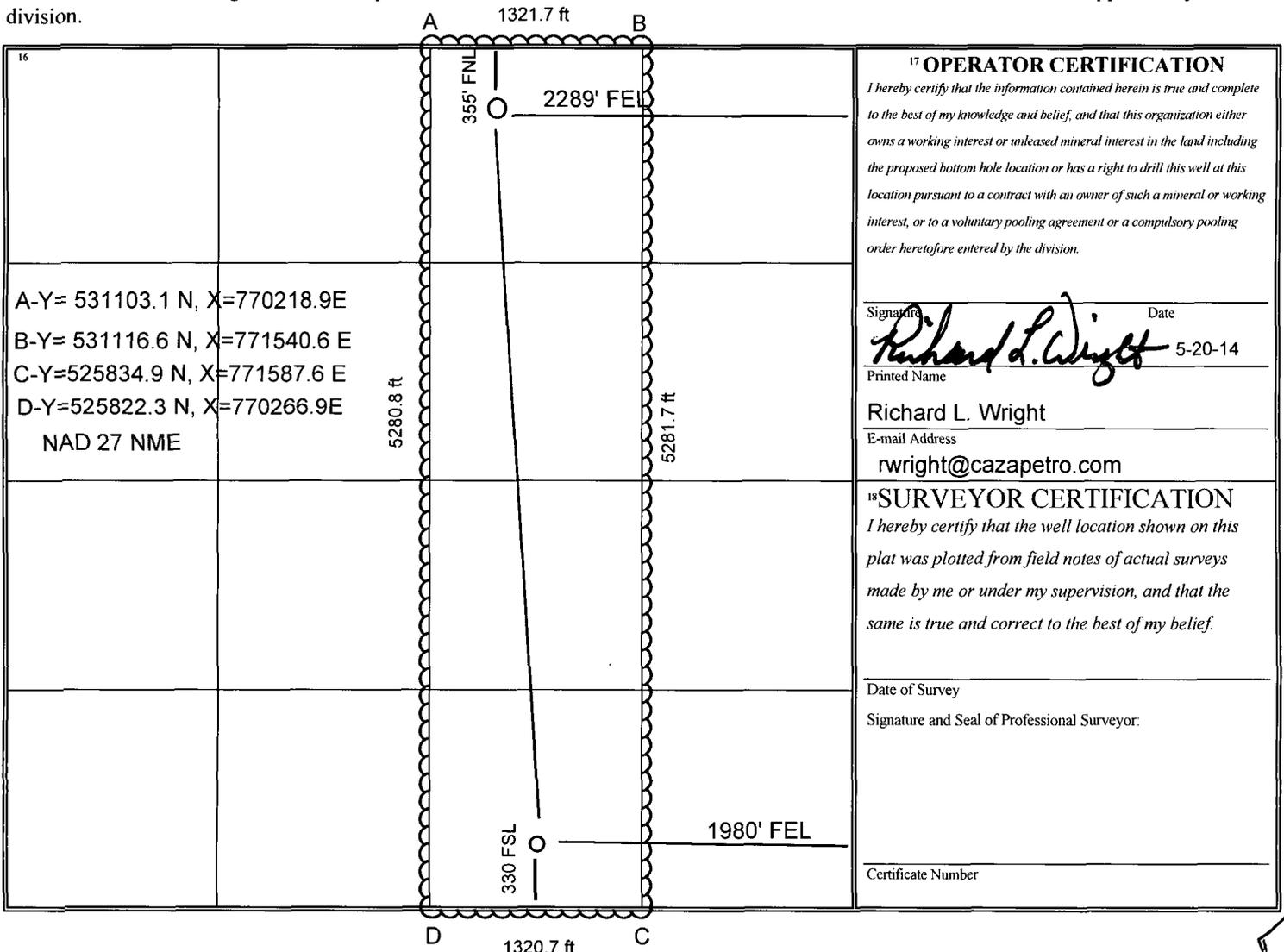
¹ API Number 30-025-41361		² Pool Code 28435		³ Pool Name Grama Rdige; Bone Spring, Northeast	
⁴ Property Code 40096		⁵ Property Name Gramma 27 State			⁶ Well Number 1H
⁷ OGRID No. 249099		⁸ Operator Name Caza Operating, LLC			⁹ Elevation 3682 GR

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.



JUN 03 2014

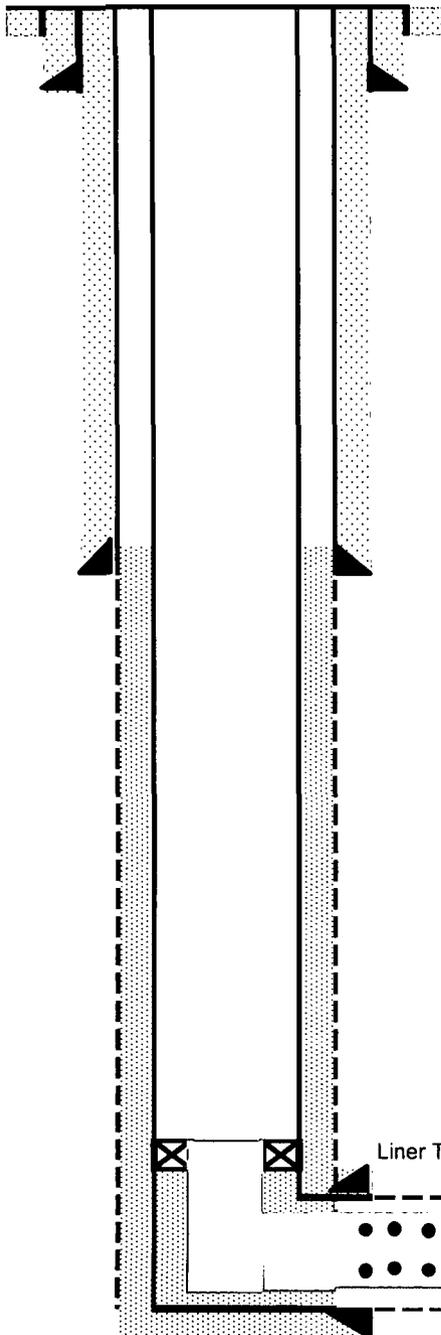
Gamma 27 State # 1H

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 bbbs

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"