

District I
1625 N French Dr, Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
June 16, 2008

Oil Conservation Division JUL 10 2008 Submit to appropriate District Office
1220 South St. Francis Dr. **OCD-ARTESIA** ☐ AMENDED REPORT
Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Waterford Operating, LLC 1001 McKinney Suite 2000 Houston, TX 77002		² OGRID Number 259169
		³ API Number 30 - 005- 62742
⁴ Property Code 37264	⁵ Property Name Crystal Amethyst	⁶ Well No. 108
⁹ Proposed Pool 1 WC3; Mississippi Gas		¹⁰ Proposed Pool 2 Chaves Undesignated; Morrow Gas

7 Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E.	8	13S	28E		1980	North	660	West	Chaves

8 Proposed 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

Additional Well Information

¹¹ Work Type Code E	¹² Well Type Code G	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3617
¹⁶ Multiple S	¹⁷ Proposed Depth 8000	¹⁸ Formation Mississippian	¹⁹ Contractor	²⁰ Spud Date

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	1550	1400	Surface - In Place
7 7/8"	5 1/2"	17#	8000	750	1400

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Waterford Operating proposes to re-enter the plugged and abandoned well bore that was plugged by Hanagan Petroleum 12/19/1989

Well will be re-entered using cut brine water

BOP - Hydraulically operated 5000 psi double with Pipe and Blind Rams

Cement plugs will be drilled out and commercial test of the Mississippian will be conducted

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Bill E. Pruehen

Printed name: **E NOTE: NEW PIT RULE**
19-15-17 NMAC PART 17

Title: **A form C-144 must be approved**
before starting drilling operations.

E-mail Address:

Date

7/7/08

Phone:

575-390-9100

OIL CONSERVATION DIVISION

Approved by:

Jim W. Brame

Title:

District II Supervisor

Approval Date

Expiration Date:

7/10/08

7/10/08

Conditions of Approval Attached ☐

DISTRICT I
1025 N. FRENCH DR., BOBBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II
1301 W. GRAND AVENUE, ALBUQUERQUE, NM 86210

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-005-62742	Pool Code 97338	Pool Name Mississippi Gas
Property Code 37264	Property Name CRYSTAL AMETHYST	Well Number 0108
GRID No. 259169	Operator Name WATERFORD OPERATING, LLC	Elevation 3617'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/EAST line	County
E	8	13-S	28-E		1980	NORTH	660	WEST	CHAVES

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/EAST line	County
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						

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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unless 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Billy E. Prichard</i> 7/4/08 Signature Date Billy (Bill) E. Prichard Printed Name</p>
	<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>DATE SURVEYED: JUNE 9, 2008 Signature & Seal of Professional Surveyor: 3239 Date: 6/21/08 Signature: Ronald J. Eidson Certificate No. 12641 RONALD J. EIDSON 3239</p>