

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
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 30-05-64022
4. Property Code 37167	5. Property Name CRYSTAL DIAMOND	6. Well No. 133

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	33	12S	28E	J	1980	S	2488	E	CHAVES

8. Pool Information

CHAVES UNDESIGNATED,MISS (GAS)	89271
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Additional Well Information

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3599
14. Multiple N	15. Proposed Depth 8000	16. Formation Mississippi Limestone	17. Contractor	18. Spud Date
Depth to Ground water 113		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 _____ miles thick Clay <input type="checkbox"/> Pit Volume: 7500 _____ bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	14.75	11.75	42	350	250	0
Int1	11	8.625	32	1900	370	0
Prod	7.875	5.5	17	8000	680	1800

Casing/Cement Program: Additional Comments

16" 65# Conductor will be set at 40ft and cemented with Redimix cement

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	

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

I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

Printed Name: Electronically filed by Bill E Prichard

Title:

Email Address: shabillron01@warpdiveonline.com

Date: 5/16/2008

Phone: 432-955-0680

OIL CONSERVATION DIVISION

Approved By: Tim Gum

Title: District Supervisor

Approved Date: 5/23/2008

Expiration Date: 5/23/2010

Conditions of Approval Attached

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(505) 393-6161 Fax:(505) 393-0720  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
Phone:(505) 748-1283 Fax:(505) 748-9720  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
District IV  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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Form C-102  
Permit 72572

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-05-64022	2. Pool Code 89271	3. Pool Name CHAVES UNDESIGNATED;MISS (GAS)
4. Property Code 37167	5. Property Name CRYSTAL DIAMOND	6. Well No. 133
7. OGRID No. 259169	8. Operator Name WATERFORD OPERATING, LLC	9. Elevation 3599

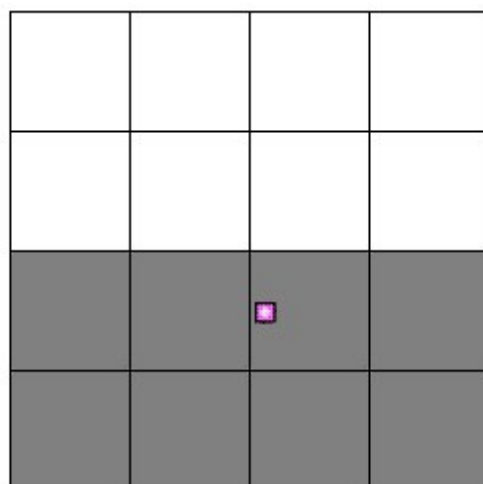
10. Surface Location

UL - Lot J	Section 33	Township 12S	Range 28E	Lot Idn	Feet From 1980	N/S Line S	Feet From 2488	E/W Line E	County CHAVES
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 320.00	13. Joint or Infill	14. Consolidation Code Other	15. 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



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(s) 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.*

E-Signed By: Bill E Prichard

Title:

Date: 5/16/2008

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.*

Surveyed By: Ronald Eidson

Date of Survey: 3/13/2008

Certificate Number: 3239

# Permit Conditions of Approval

Operator: WATERFORD OPERATING, LLC , 259169

Well: CRYSTAL DIAMOND #133

API: 30-05-64022

OCD Reviewer	Condition
kmwilson	NOTE: New Pit Rule -- NMAC 19.15.17