

**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 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

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
August 1, 2011  
Permit 240819

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

1. Operator Name and Address HADAWAY CONSULTING AND ENGINEERING, LLC P. O. 188 Canadian, TX 79014		2. OGRID Number 371985
4. Property Code 319464		3. API Number 30-005-64298
5. Property Name MUIRFIELD		6. Well No. 002H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	18	10S	29E	P	50	S	1270	E	Chaves

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	18	10S	29E	A	330	N	1310	E	Chaves

**9. Pool Information**

RACE TRACK; SAN ANDRES, EAST	97273
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3895
16. Multiple N	17. Proposed Depth 7495	18. Formation San Andres	19. Contractor	20. Spud Date 10/1/2017
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	1150	550	0
Prod	8.75	5.5	15.5	7495	1400	0

**Casing/Cement Program: Additional Comments**

Cement to circulate to surface on both surface and production casing.
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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	4000	Camron or Equivalent

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.  Signature:	<b>OIL CONSERVATION DIVISION</b>
Printed Name: Electronically filed by Allen C Hadaway	Approved By: Raymond Podany
Title: Manager	Title: Geologist
Email Address: hadaway@hadeng.com	Approved Date: 8/25/2017      Expiration Date: 8/25/2019
Date: 8/23/2017      Phone: 806-323-9811	Conditions of Approval Attached

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State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

Form C-102  
August 1, 2011

Permit 240819

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-005-64298	2. Pool Code 97273	3. Pool Name RACE TRACK; SAN ANDRES, EAST
4. Property Code 319464	5. Property Name MUIRFIELD	6. Well No. 002H
7. OGRID No. 371985	8. Operator Name HADAWAY CONSULTING AND ENGINEERING, LLC	9. Elevation 3895

10. Surface Location

UL - Lot P	Section 18	Township 10S	Range 29E	Lot Idn P	Feet From 50	N/S Line S	Feet From 1270	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 Forced Pooling			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

<div></div> <div></div> <div></div> <div></div>	<p align="center"><b>OPERATOR CERTIFICATION</b></p> <p><i>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.</i></p> <p>E-Signed By:        Allen C Hadaway</p> <p>Title:                 Manager</p> <p>Date:                 8/23/2017</p>	
	<p align="center"><b>SURVEYOR CERTIFICATION</b></p> <p><i>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.</i></p> <p>Surveyed By:        Chad Harcrow</p> <p>Date of Survey:     6/2/2017</p> <p>Certificate Number: 17-498</p>	

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Form APD Comments

Permit 240819

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

**PERMIT COMMENTS**

Operator Name and Address: HADAWAY CONSULTING AND ENGINEERING, LLC [371985] P. O. 188 Canadian, TX 79014	API Number: 30-005-64298
	Well: MUIRFIELD #002H

Created By	Comment	Comment Date
MAXENG	No POD's in sec 18 or 19 of 10S 29E per OSE website.	8/23/2017
MAXENG	No stock tank or any other indication of a water well within 300' of location on google earth imagery.	8/23/2017
MAXENG	Received Order R-14421 for a Nonstandard Oil Spacing and Proration Unit and Compulsory Pooling.	8/23/2017
MAXENG	All take points in the production casing will be within the 330' setbacks.	8/23/2017
MAXENG	The C102, C144 CLEZ, and directional survey will be emailed to the district office for attachment to this online permit.	8/23/2017

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Form APD Conditions

Permit 240819

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: HADAWAY CONSULTING AND ENGINEERING, LLC [371985] P. O. 188 Canadian, TX 79014		API Number: 30-005-64298
		Well: MUIRFIELD #002H
OCD Reviewer		Condition