

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

Form C-101
August 1, 2011
Permit 167395

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 NADEL AND GUSSMAN PERMIAN, LLC 601 N MARIENFELD MIDLAND, TX 79701		2. OGRID Number 155615
		3. API Number 30-025-41186
4. Property Code 306668	5. Property Name RAPTOR WEST 3 STATE	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	3	19S	34E	P	330	S	950	E	LEA

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	3	19S	34E	1	330	N	950	W	Lea

9. Pool Information

SCHARB;BONE SPRING	55610
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3990
16. Multiple N	17. Proposed Depth 15000	18. Formation 3rd Bone Spring Sand	19. Contractor	20. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1900	1600	0
Int1	12.25	9.625	36	3500	1100	0
Prod	8.75	7	26	11000	1300	2500
Liner1	6.125	4.5	13.5	15000	0	

Casing/Cement Program: Additional Comments

NGP plans to drill vertical hole to ~10,200ft. Kick off for horizontal and set 7" casing at end of curve at 11,000' MD. lateral will be open hole completion with packers and frac ports 20 stages, No cement.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	1500	
DoubleRam	3000	3000	

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:	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
Printed Name: Electronically filed by Scott Germann	Title: Geologist	
Title: General Manager	Approved Date: 5/21/2013	Expiration Date: 5/21/2015
Email Address: sgerman@naguss.com		
Date: 5/17/2013	Phone: 432-682-4429	Conditions of Approval Attached

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
 August 1, 2011
 Permit 167395

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-41186	2. Pool Code 55610	3. Pool Name SCHARB,BONE SPRING
4. Property Code 306668	5. Property Name RAPTOR WEST 3 STATE	6. Well No. 002H
7. OGRID No. 155615	8. Operator Name NADEL AND GUSSMAN PERMIAN, LLC	9. Elevation 3990

10. Surface Location

UL - Lot P	Section 3	Township 19S	Range 34E	Lot Idn	Feet From 330	N/S Line S	Feet From 950	E/W Line E	County LEA
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11. Bottom Hole Location If Different From Surface

UL - Lot A	Section 3	Township 19S	Range 34E	Lot Idn 1	Feet From 330	N/S Line S	Feet From 950	E/W Line E	County LEA
12. Dedicated Acres 164.20	13. Joint or Infill	14. Consolidation Code	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>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>			
	E-Signed By: Scott Germann Title: General Manager Date: 5/17/2013			
	SURVEYOR CERTIFICATION			
<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>				
Surveyed By: Gary Edison Date of Survey: 4/18/2013 Certificate Number: 12641				

Permit Comments

Operator: NADEL AND GUSSMAN PERMIAN, LLC , 155615

Well: RAPTOR WEST 3 STATE #002H

API: 30-025-41186

Created By	Comment	Comment Date
pkautz	Land s/S	5/20/2013
CHERRERA	OCD RECEIVED FORM C144 CLEZ. OCD PERMIT # P1-08243	5/21/2013

Permit Conditions of Approval

Operator: NADEL AND GUSSMAN PERMIAN, LLC , 155615

Well: RAPTOR WEST 3 STATE #002H

API: 30-025-41186

OCD Reviewer	Condition
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	In order to seal off protectable water, surface casing must be set 25' below top of Rustler Anhydrite.
pkautz	Cement on 7" casing must tie back into 9 5/8" casing