

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 139096

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

1. Operator Name and Address OGX RESOURCES, LLC P.O. Box 2064 Midland, TX 79702		2. OGRID Number 217955
		3. API Number 30-015-39542
4. Property Code 38882	5. Property Name COPPERHEAD "30" FEE	6. Well No. 001H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	30	26S	29E	A	480	N	480	E	EDDY

8. Pool Information

WC;BONE SPRING	96053
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable Rotary	12. Lease Type Private	13. Ground Level Elevation 2948
14. Multiple N	15. Proposed Depth 11252	16. Formation Bone Spring	17. Contractor	18. Spud Date 11/15/2011
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	26	20	1.3	40	25	
Surf	17.5	13.375	48	450	425	
Int1	11	8.625	32	2625	500	
Prod	7.875	5.5	17	11252	500	

Casing/Cement Program: Additional Comments

1. Drill 26" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix. 2. Drill 17.5" hole to 450'. Run and set 450' of 13.375" 48# H-40 ST&C casing. Cement with 225 sxs. of 35/65/6 Class "C" Premium Plus POZ cement + 6% Bentonite + 5% Salt + 5% MPA-5 + 0.7% Sodium Metasilicate + 5# LCM/sx. Yield 2.00, tail in with 200 sxs. of Class "C" Premium Plus cement + 2% CaCl₂ Yield 1.34, circulate cement to surface. 3. Drill 11" hole to 2625'. Run and set 2625' of 8.625" 32# J-55 ST&C casing. Cement with 300 sxs. of Premium Plus Class "C" POZ cement + 4% Bentonite + 5% Salt + 5% MPA-5 + 0.7% Sodium Metasilicate + 5# LCM/sxs. Yield 2.02, tail in with 200 sxs. of Class "C" Premium Plus cement + 2% CaCl₂ Yield 1.34 circulate cement to surface. 4. Drill 7.875" hole to 11252'. Run and set 11252' of 5.5" casing as follows: 5104' of 5.5" 17# P-110 BT&C, 6600' of 5.5" 17# P-110 LT&C. Cement with 300 sxs. of 36/65 Premium Plus Class "C" POZ cement + 4% Bentonite + 5

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	

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 <input type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> . Printed Name: Electronically filed by Frank Agar Title: Member Email Address: kip@carlowcorp.com Date: 10/26/2011 Phone: 432-685-1287	OIL CONSERVATION DIVISION	
	Approved By: Randy Dade	
	Title: District Supervisor	
	Approved Date: 10/27/2011	Expiration Date: 10/27/2013
	Conditions of Approval Attached	

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Form C-102
August 1, 2011
Permit 139096

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-39542	2. Pool Code 96053	3. Pool Name WC;BONE SPRING
4. Property Code 38882	5. Property Name COPPERHEAD "30" FEE	6. Well No. 001H
7. OGRID No. 217955	8. Operator Name OGX RESOURCES, LLC	9. Elevation 2948

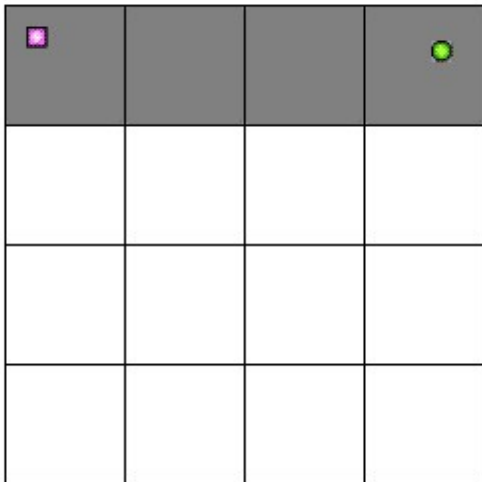
10. Surface Location

UL - Lot A	Section 30	Township 26S	Range 29E	Lot Idn	Feet From 480	N/S Line N	Feet From 480	E/W Line E	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot D	Section 30	Township 26S	Range 29E	Lot Idn 1	Feet From 330	N/S Line N	Feet From 330	E/W Line W	County EDDY
12. Dedicated Acres 159.76		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: Frank Agar Title: Member Date: 10/26/2011	
	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: Filimon Jaramillo Date of Survey: 10/18/2011 Certificate Number: 12797		

Permit Comments

Operator: OGX RESOURCES, LLC , 217955

Well: COPPERHEAD "30" FEE #001H

API: 30-015-39542

Created By	Comment	Comment Date
FMAGAR	Hardcopy of Directional Survey will be mailed to OCD Office.	10/26/2011
CSHAPARD	Land p/P	10/26/2011

Permit Conditions of Approval

Operator: OGX RESOURCES, LLC , 217955

Well: COPPERHEAD "30" FEE #001H

API: 30-015-39542

OCD Reviewer	Condition
CSHAPARD	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