

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-8161 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 182144

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

1. Operator Name and Address EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702		2. OGRID Number 7377
4. Property Code 39814		3. API Number 30-025-41680
5. Property Name OPHELIA 27		6. Well No. 005H

**7. Surface Location**

UL - Lot G	Section 27	Township 26S	Range 33E	Lot Idn	Feet From 2420	N/S Line N	Feet From 1550	E/W Line E	County Lea
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**8. Proposed Bottom Hole Location**

UL - Lot J	Section 22	Township 26S	Range 33E	Lot Idn J	Feet From 2410	N/S Line S	Feet From 1620	E/W Line E	County Lea
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**9. Pool Information**

RED HILLS;UPPER BONE SPRING SHALE	97900
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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 3284
16. Multiple N	17. Proposed Depth 14148	18. Formation Bone Spring	19. Contractor	20. Spud Date 9/1/2014
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	17.5	13.375	54.5	875	500	0
Int1	12.25	9.625	40	4000	1000	0
Int2	12.25	9.625	40	5100	1000	0
Prod	8.75	5.5	17	14148	2175	4600

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

Type Double Ram	Working Pressure 3000	Test Pressure 3000	Manufacturer
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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 Stan Wagner	Approved By: Paul Kautz
Title: Regulatory Analyst	Title: Geologist
Email Address: Stan_Wagner@eogresources.com	Approved Date: 2/25/2014      Expiration Date: 2/25/2016
Date: 2/25/2014      Phone: 432-686-3689	Conditions of Approval Attached

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**Energy, Minerals and Natural Resources**  
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**Santa Fe, NM 87505**

Form C-102  
 August 1, 2011  
 Permit 182144

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-41680	2. Pool Code 97900	3. Pool Name RED HILLS;UPPER BONE SPRING SHALE
4. Property Code 39814	5. Property Name OPHELIA 27	6. Well No. 005H
7. OGRID No. 7377	8. Operator Name EOG RESOURCES INC	9. Elevation 3284

**10. Surface Location**

UL - Lot G	Section 27	Township 26S	Range 33E	Lot Idn	Feet From 2420	N/S Line N	Feet From 1550	E/W Line E	County Lea
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**11. Bottom Hole Location If Different From Surface**

UL - Lot J	Section 22	Township 26S	Range 33E	Lot Idn	Feet From 2410	N/S Line S	Feet From 1620	E/W Line E	County Lea
12. Dedicated Acres 160.00			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**

<div style="border: 1px solid black; width: 150px; height: 150px; margin: 10px auto; position: relative;"> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); width: 10px; height: 10px; background-color: purple;"></div> </div>	<b>OPERATOR CERTIFICATION</b> <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:	Stan Wagner
	Title:	Regulatory Analyst
	Date:	2/25/2014
	<b>SURVEYOR CERTIFICATION</b> <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:	Michael Brown
	Date of Survey:	2/13/2014
	Certificate Number:	18329

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**State of New Mexico**  
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**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form APD Comments  
  
Permit 182144

**PERMIT COMMENTS**

Operator Name and Address: EOG RESOURCES INC [7377] P.O. Box 2267 Midland, TX 79702		API Number: 30-025-41680
		Well: OPHELIA 27 #005H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 182144

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

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: EOG RESOURCES INC [7377] P.O. Box 2267 Midland, TX 79702	API Number: 30-025-41680
	Well: OPHELIA 27 #005H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	Will require administrative order for non-standard location
pkautz	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
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	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water