

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 156020

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
		3. API Number 30-025-40817
4. Property Code 39500	5. Property Name VANGUARD 30 STATE COM	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
M	30	24S	34E	4	220	S	835	W	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	19	24S	34E	M	1087	S	380	W	Lea

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 State	15. Ground Level Elevation 3505
16. Multiple N	17. Proposed Depth 15314	18. Formation Bone Spring	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	1200	850	
Int1	12.25	9.625	40	5100	1425	
Prod	8.75	5.5	17	15314	2300	4600

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
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 Stan Wagner	Title: Geologist
Title: Regulatory Analyst	Approved Date: 10/15/2012 Expiration Date: 10/15/2014
Email Address: Stan_Wagner@eogresources.com	
Date: 10/10/2012 Phone: 432-686-3689	Conditions of Approval Attached

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
August 1, 2011
Permit 156020

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-40817	2. Pool Code 97900	3. Pool Name RED HILLS;UPPER BONE SPRING SHALE
4. Property Code 39500	5. Property Name VANGUARD 30 STATE COM	6. Well No. 001H
7. OGRID No. 7377	8. Operator Name EOG RESOURCES INC	9. Elevation 3505

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	30	24S	34E		220	S	835	W	LEA

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 199.12		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

<p style="text-align: center;">OPERATOR CERTIFICATION</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: Stan Wagner Title: Regulatory Analyst Date: 10/10/2012</p>	<p style="text-align: center;">SURVEYOR CERTIFICATION</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: Michael Brown Date of Survey: 9/4/2012 Certificate Number: 18329</p>
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Permit Comments

Operator: EOG RESOURCES INC , 7377

Well: VANGUARD 30 STATE COM #001H

API: 30-025-40817

Created By	Comment	Comment Date
SWAGNER	C-102, C-144, directional plan & H2S plan will be mailed separately.	10/10/2012
pkautz	Land s/S	10/10/2012
CHERRERA	OCD RECEIVED FORM C144 CLEZ. OCD PERMIT # P1-05301	10/11/2012

Permit Conditions of Approval

Operator: EOG RESOURCES INC , 7377

Well: VANGUARD 30 STATE COM #001H

API: 30-025-40817

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