

**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) 334-8178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3482

**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 208199

**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 40402		3. API Number 30-025-42727
5. Property Name THOR 21		6. Well No. 705H

**7. Surface Location**

UL - Lot	P	Section	21	Township	26S	Range	33E	Lot Idn	P	Feet From	735	N/S Line	S	Feet From	236	E/W Line	E	County	Lea
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**8. Proposed Bottom Hole Location**

UL - Lot	A	Section	21	Township	26S	Range	33E	Lot Idn	A	Feet From	230	N/S Line	N	Feet From	330	E/W Line	E	County	Lea
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**9. Pool Information**

WC-025 G-09 S263327G;UPPER WOLFCAMP	98097
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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 3259
16. Multiple N	17. Proposed Depth 17449	18. Formation Wolfcamp	19. Contractor	20. Spud Date 8/31/2015
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	17.75	10.75	40.5	1000	500	0
Int1	9.875	7.625	29.7	10500	1315	0
Prod	6.75	5.5	17	17449	625	11000

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	10000	5000	

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: 8/6/2015      Expiration Date: 8/6/2017
Date: 8/5/2015      Phone: 432-686-3689	Conditions of Approval Attached

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**Santa Fe, NM 87505**

Form C-102  
August 1, 2011  
Permit 208199

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-42727	2. Pool Code 98097	3. Pool Name WC-025 G-09 S263327G;UPPER WOLFCAMP
4. Property Code 40402	5. Property Name THOR 21	6. Well No. 705H
7. OGRID No. 7377	8. Operator Name EOG RESOURCES INC	9. Elevation 3259

**10. Surface Location**

UL - Lot P	Section 21	Township 26S	Range 33E	Lot Idn P	Feet From 735	N/S Line S	Feet From 236	E/W Line E	County Lea
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**11. Bottom Hole Location If Different From Surface**

UL - Lot A	Section 21	Township 26S	Range 33E	Lot Idn A	Feet From 230	N/S Line N	Feet From 330	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**

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			●														

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**Santa Fe, NM 87505**

Form APD Comments

Permit 208199

**PERMIT COMMENTS**

Operator Name and Address: EOG RESOURCES INC [7377] P.O. Box 2267 Midland, TX 79702	API Number: 30-025-42727
	Well: THOR 21 #705H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 208199

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: EOG RESOURCES INC [7377] P.O. Box 2267 Midland, TX 79702		API Number: 30-025-42727
		Well: THOR 21 #705H
OCD Reviewer	Condition	
pkautz	Will require a directional survey with the C-104	
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	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.	
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --	
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement	
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water	