

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

Form C-101
August 1, 2011

Permit 239196

State of New Mexico
Energy, Minerals and Natural Resources
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 EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702		2. OGRID Number 7377
		3. API Number 30-025-43899
4. Property Code 40383	5. Property Name NAUTILUS 16 STATE COM	6. Well No. 710H

7. Surface Location

UL - Lot C	Section 16	Township 26S	Range 34E	Lot Idn C	Feet From 186	N/S Line N	Feet From 1727	E/W Line W	County Lea
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8. Proposed Bottom Hole Location

UL - Lot N	Section 16	Township 26S	Range 34E	Lot Idn N	Feet From 230	N/S Line S	Feet From 1655	E/W Line W	County Lea
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9. Pool Information

WC-025 G-09 S263416B;UPPER WOLFCAMP	98105
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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 3330
16. Multiple N	17. Proposed Depth 17599	18. Formation Upper Wolfcamp	19. Contractor	20. Spud Date 8/2/2017
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	14.75	10.75	40.5	810	700	0
Int1	8.75	7.625	29.7	11700	2800	0
Prod	6.75	5.5	17	17599	800	11200

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	3000	

<p>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.</p> <p>Signature:</p> <p>Printed Name: Electronically filed by Stan Wagner</p> <p>Title: Regulatory Analyst</p> <p>Email Address: Stan_Wagner@eogresources.com</p> <p>Date: 7/19/2017</p>	<p>OIL CONSERVATION DIVISION</p> <p>Approved By: Paul Kautz</p> <p>Title: Geologist</p> <p>Approved Date: 7/19/2017</p> <p>Expiration Date: 7/19/2019</p> <p>Conditions of Approval Attached</p>
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WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-43899	2. Pool Code 98105	3. Pool Name WC-025 G-09 S263416B;UPPER WOLFCAMP
4. Property Code 40383	5. Property Name NAUTILUS 16 STATE COM	6. Well No. 710H
7. OGRID No. 7377	8. Operator Name EOG RESOURCES INC	9. Elevation 3330

10. Surface Location

UL - Lot C	Section 16	Township 26S	Range 34E	Lot Idn C	Feet From 186	N/S Line N	Feet From 1727	E/W Line W	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot N	Section 16	Township 26S	Range 34E	Lot Idn N	Feet From 230	N/S Line S	Feet From 1655	E/W Line W	County Lea
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12. Dedicated Acres 160.00	13. Joint or Infill	14. Consolidation Code	15. Order No.
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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>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: 7/19/2017</p>
	<p>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: 7/14/2017 Certificate Number: 18329</p>

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Form APD Comments

Permit 239196

PERMIT COMMENTS

Operator Name and Address: EOG RESOURCES INC [7377] P.O. Box 2267 Midland, TX 79702	API Number: 30-025-43899
	Well: NAUTILUS 16 STATE COM #710H

Created By	Comment	Comment Date
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PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: EOG RESOURCES INC [7377] P.O. Box 2267 Midland, TX 79702	API Number: 30-025-43899
	Well: NAUTILUS 16 STATE COM #710H

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
pkautz	Only Fresh Water and Air are Valid Drilling Fluids for Surface Casing
pkautz	Operator shall notify appropriate District office when setting conductor pipe.
pkautz	Water flows - Must notify OCD Hobbs Office of any water flows in the Castile Formation at 575-370-3186. Report depth and flow rate
pkautz	Stage Tool - 1) Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.
pkautz	Gas Capture Plan - Operator to Submit Gas Capture Plan form prior spud