

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) 476-3462

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 191806

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 313638		3. API Number 30-025-42086
5. Property Name HEARNS 27 STATE COM		6. Well No. 502H

7. Surface Location

UL - Lot	M	Section	27	Township	24S	Range	33E	Lot Idn	Feet From	210	N/S Line	S	Feet From	600	E/W Line	W	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	M	Section	34	Township	24S	Range	33E	Lot Idn	M	Feet From	230	N/S Line	S	Feet From	755	E/W Line	W	County	Lea
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9. Pool Information

TRISTE DRAW;BONE SPRING, EAST	96682
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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 3480
16. Multiple N	17. Proposed Depth 16262	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 10/1/2014
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	1205	700	0
Int1	12.25	9.625	40	4000	1000	0
Int1	12.25	9.625	40	5000	1000	0
Prod	8.75	5.5	17	16262	2075	4500

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	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: Printed Name: Electronically filed by Stan Wagner Title: Regulatory Analyst Email Address: Stan_Wagner@eogresources.com Date: 9/3/2014	<p style="text-align: center;">OIL CONSERVATION DIVISION</p> Approved By: Paul Kautz Title: Geologist Approved Date: 9/3/2014 Expiration Date: 9/3/2016 Conditions of Approval Attached
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Phone: 432-686-3689

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Form C-102
August 1, 2011
Permit 191806

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-42086	2. Pool Code 96682	3. Pool Name TRISTE DRAW;BONE SPRING, EAST
4. Property Code 313638	5. Property Name HEARNS 27 STATE COM	6. Well No. 502H
7. OGRID No. 7377	8. Operator Name EOG RESOURCES INC	9. Elevation 3480

10. Surface Location

UL - Lot M	Section 27	Township 24S	Range 33E	Lot Idn	Feet From 210	N/S Line S	Feet From 600	E/W Line W	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot M	Section 34	Township 24S	Range 33E	Lot Idn	Feet From 230	N/S Line S	Feet From 755	E/W Line W	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

<table border="1" style="width: 100%; height: 150px; border-collapse: collapse;"> <tr><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> </table>																	<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: 9/3/2014</p> <hr/> <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: 8/12/2014 Certificate Number: 18329</p>

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Form APD Comments

Permit 191806

PERMIT COMMENTS

Operator Name and Address: EOG RESOURCES INC [7377] P.O. Box 2267 Midland, TX 79702		API Number: 30-025-42086
		Well: HEARNS 27 STATE COM #502H
Created By	Comment	Comment Date
SWAGNER	C-102, directional plan, and H2S plan are being emailed separately.	9/3/2014

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Form APD Conditions

Permit 191806

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: EOG RESOURCES INC [7377] P.O. Box 2267 Midland, TX 79702	API Number: 30-025-42086
	Well: HEARNS 27 STATE COM #502H

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	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
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