

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 271834

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 30-025-46348
4. Property Code 321651	5. Property Name SAVAGE 2 STATE COM	6. Well No. 707H

7. Surface Location

UL - Lot A	Section 2	Township 25S	Range 32E	Lot Idn 1	Feet From 385	N/S Line N	Feet From 1228	E/W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot P	Section 2	Township 25S	Range 32E	Lot Idn P	Feet From 100	N/S Line S	Feet From 330	E/W Line E	County Lea
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9. Pool Information

WC-025 G-09 S253309P;UPR WOLFCAMP	98180
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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 3543
16. Multiple N	17. Proposed Depth 17374	18. Formation Upper Wolfcamp	19. Contractor	20. Spud Date 9/18/2019
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	12.25	9.625	40	1030	700	0
Int1	8.75	7.625	29.7	11250	1700	0
Prod	6.75	5.5	17	17374	800	10750

Casing/Cement Program: Additional Comments

As a contingency EOG respectfully requests the option to use the casing and cement program described in Design B of the drill plan. The NMOCD will be notified of EOG's election at spud.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	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 ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature: Printed Name: Electronically filed by Kay Maddox Title: Regulatory Agent Email Address: kay_maddox@eogresources.com Date: 9/4/2019 Phone: 432-686-3658	OIL CONSERVATION DIVISION Approved By: Paul F Kautz Title: Geologist Approved Date: 9/5/2019 Expiration Date: 9/5/2021 Conditions of Approval Attached
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District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

Form C-102
August 1, 2011
Permit 271834

	OPERATOR CERTIFICATION <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: Kay Maddox Title: Regulatory Agent Date: 9/4/2019 SURVEYOR CERTIFICATION <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: Ramon Dominguez Date of Survey: 1/16/2019 Certificate Number: 24508
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GAS CAPTURE PLAN

Date: 9/5/2019

☒ Original

Operator & OGRID No.: [7377] EOG RESOURCES INC

☐ Amended - Reason for
Amendment: _____

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
SAVAGE 2 STATE COM #707H	30-025-46348	A-2-25S-32E	0385N 1228E	3500	None	CTB already connected to EOG low pressure gathering system. MMCF/D is +/-.

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to LUCID ENERGY DELAWARE, LLC and will be connected to LUCID ENERGY DELAWARE, LLC Low Pressure gathering system located in Lea County, New Mexico. It will require 0' of pipeline to connect the facility to Low Pressure gathering system. EOG RESOURCES INC provides (periodically) to LUCID ENERGY DELAWARE, LLC a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, EOG RESOURCES INC and LUCID ENERGY DELAWARE, LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at LUCID ENERGY DELAWARE, LLC Processing Plant located in Sec. 02, Twn. 25S, Rng. 32E, Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on LUCID ENERGY DELAWARE, LLC system at that time. Based on current information, it is EOG RESOURCES INC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
 - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
 - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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Form APD Comments

Permit 271834

PERMIT COMMENTS

Operator Name and Address: EOG RESOURCES INC [7377] P.O. Box 2267 Midland, TX 79702		API Number: 30-025-46348
		Well: SAVAGE 2 STATE COM #707H

Created By	Comment	Comment Date
sharrell1	I attached the C-102 to the Additional Casing form because I did not see another option for this form.	9/4/2019

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Form APD Conditions

Permit 271834

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: 30-025-46348
	Well: SAVAGE 2 STATE COM #707H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
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	1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD.
pkautz	Stage Tool 1) Must notify OCD Hobbs Office prior to running Stage Tool at 5753703186 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.



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Savage 2 State Com

#707H

OH

Plan: Plan #0.1

Standard Planning Report

25 February, 2019

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #707H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3568.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3568.0usft
Site:	Savage 2 State Com	North Reference:	Grid
Well:	#707H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Savage 2 State Com					
Site Position:		Northing:	424,469.00 usft	Latitude:	32° 9' 54.412 N	
From:	Map	Easting:	751,845.00 usft	Longitude:	103° 39' 10.929 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.36 °

Well	#707H					
Well Position	+N/-S	266.0 usft	Northing:	424,735.00 usft	Latitude:	32° 9' 56.810 N
	+E/-W	3,715.0 usft	Easting:	755,560.00 usft	Longitude:	103° 38' 27.691 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,543.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/25/2019	6.80	59.98	47,721.43963595

Design	Plan #0.1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	168.99

Plan Survey Tool Program	Date	2/25/2019			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	17,374.0	Plan #0.1 (OH)	MWD	
			OWSG MWD - Standard		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,318.8	6.38	69.05	3,318.2	6.3	16.6	2.00	2.00	0.00	69.05	
11,638.5	6.38	69.05	11,586.3	336.7	879.4	0.00	0.00	0.00	0.00	
11,957.3	0.00	0.00	11,904.5	343.0	896.0	2.00	-2.00	0.00	180.00	KOP(Savage 2 State
12,707.3	90.00	179.58	12,382.0	-134.4	899.5	12.00	12.00	23.94	179.58	
17,374.0	90.00	179.58	12,382.0	-4,801.0	934.0	0.00	0.00	0.00	0.00	PBHL(Savage 2 State

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #707H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3568.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3568.0usft
Site:	Savage 2 State Com	North Reference:	Grid
Well:	#707H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	2.00	69.05	3,100.0	0.6	1.6	-0.3	2.00	2.00	0.00
3,200.0	4.00	69.05	3,199.8	2.5	6.5	-1.2	2.00	2.00	0.00
3,300.0	6.00	69.05	3,299.5	5.6	14.7	-2.7	2.00	2.00	0.00
3,318.8	6.38	69.05	3,318.2	6.3	16.6	-3.1	2.00	2.00	0.00
3,400.0	6.38	69.05	3,398.8	9.6	25.0	-4.6	0.00	0.00	0.00
3,500.0	6.38	69.05	3,498.2	13.5	35.3	-6.5	0.00	0.00	0.00
3,600.0	6.38	69.05	3,597.6	17.5	45.7	-8.4	0.00	0.00	0.00
3,700.0	6.38	69.05	3,697.0	21.5	56.1	-10.4	0.00	0.00	0.00
3,800.0	6.38	69.05	3,796.4	25.4	66.5	-12.3	0.00	0.00	0.00
3,900.0	6.38	69.05	3,895.7	29.4	76.8	-14.2	0.00	0.00	0.00
4,000.0	6.38	69.05	3,995.1	33.4	87.2	-16.1	0.00	0.00	0.00
4,100.0	6.38	69.05	4,094.5	37.4	97.6	-18.0	0.00	0.00	0.00
4,200.0	6.38	69.05	4,193.9	41.3	107.9	-19.9	0.00	0.00	0.00
4,300.0	6.38	69.05	4,293.3	45.3	118.3	-21.9	0.00	0.00	0.00
4,400.0	6.38	69.05	4,392.7	49.3	128.7	-23.8	0.00	0.00	0.00
4,500.0	6.38	69.05	4,492.0	53.2	139.1	-25.7	0.00	0.00	0.00
4,600.0	6.38	69.05	4,591.4	57.2	149.4	-27.6	0.00	0.00	0.00
4,700.0	6.38	69.05	4,690.8	61.2	159.8	-29.5	0.00	0.00	0.00
4,800.0	6.38	69.05	4,790.2	65.1	170.2	-31.4	0.00	0.00	0.00
4,900.0	6.38	69.05	4,889.6	69.1	180.5	-33.4	0.00	0.00	0.00
5,000.0	6.38	69.05	4,988.9	73.1	190.9	-35.3	0.00	0.00	0.00
5,100.0	6.38	69.05	5,088.3	77.1	201.3	-37.2	0.00	0.00	0.00
5,200.0	6.38	69.05	5,187.7	81.0	211.7	-39.1	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #707H
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Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3568.0usft
Site:	Savage 2 State Com	North Reference:	Grid
Well:	#707H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	6.38	69.05	5,287.1	85.0	222.0	-41.0	0.00	0.00	0.00
5,400.0	6.38	69.05	5,386.5	89.0	232.4	-43.0	0.00	0.00	0.00
5,500.0	6.38	69.05	5,485.8	92.9	242.8	-44.9	0.00	0.00	0.00
5,600.0	6.38	69.05	5,585.2	96.9	253.2	-46.8	0.00	0.00	0.00
5,700.0	6.38	69.05	5,684.6	100.9	263.5	-48.7	0.00	0.00	0.00
5,800.0	6.38	69.05	5,784.0	104.9	273.9	-50.6	0.00	0.00	0.00
5,900.0	6.38	69.05	5,883.4	108.8	284.3	-52.5	0.00	0.00	0.00
6,000.0	6.38	69.05	5,982.8	112.8	294.6	-54.5	0.00	0.00	0.00
6,100.0	6.38	69.05	6,082.1	116.8	305.0	-56.4	0.00	0.00	0.00
6,200.0	6.38	69.05	6,181.5	120.7	315.4	-58.3	0.00	0.00	0.00
6,300.0	6.38	69.05	6,280.9	124.7	325.8	-60.2	0.00	0.00	0.00
6,400.0	6.38	69.05	6,380.3	128.7	336.1	-62.1	0.00	0.00	0.00
6,500.0	6.38	69.05	6,479.7	132.6	346.5	-64.0	0.00	0.00	0.00
6,600.0	6.38	69.05	6,579.0	136.6	356.9	-66.0	0.00	0.00	0.00
6,700.0	6.38	69.05	6,678.4	140.6	367.2	-67.9	0.00	0.00	0.00
6,800.0	6.38	69.05	6,777.8	144.6	377.6	-69.8	0.00	0.00	0.00
6,900.0	6.38	69.05	6,877.2	148.5	388.0	-71.7	0.00	0.00	0.00
7,000.0	6.38	69.05	6,976.6	152.5	398.4	-73.6	0.00	0.00	0.00
7,100.0	6.38	69.05	7,076.0	156.5	408.7	-75.5	0.00	0.00	0.00
7,200.0	6.38	69.05	7,175.3	160.4	419.1	-77.5	0.00	0.00	0.00
7,300.0	6.38	69.05	7,274.7	164.4	429.5	-79.4	0.00	0.00	0.00
7,400.0	6.38	69.05	7,374.1	168.4	439.8	-81.3	0.00	0.00	0.00
7,500.0	6.38	69.05	7,473.5	172.3	450.2	-83.2	0.00	0.00	0.00
7,600.0	6.38	69.05	7,572.9	176.3	460.6	-85.1	0.00	0.00	0.00
7,700.0	6.38	69.05	7,672.2	180.3	471.0	-87.0	0.00	0.00	0.00
7,800.0	6.38	69.05	7,771.6	184.3	481.3	-89.0	0.00	0.00	0.00
7,900.0	6.38	69.05	7,871.0	188.2	491.7	-90.9	0.00	0.00	0.00
8,000.0	6.38	69.05	7,970.4	192.2	502.1	-92.8	0.00	0.00	0.00
8,100.0	6.38	69.05	8,069.8	196.2	512.4	-94.7	0.00	0.00	0.00
8,200.0	6.38	69.05	8,169.1	200.1	522.8	-96.6	0.00	0.00	0.00
8,300.0	6.38	69.05	8,268.5	204.1	533.2	-98.5	0.00	0.00	0.00
8,400.0	6.38	69.05	8,367.9	208.1	543.6	-100.5	0.00	0.00	0.00
8,500.0	6.38	69.05	8,467.3	212.1	553.9	-102.4	0.00	0.00	0.00
8,600.0	6.38	69.05	8,566.7	216.0	564.3	-104.3	0.00	0.00	0.00
8,700.0	6.38	69.05	8,666.1	220.0	574.7	-106.2	0.00	0.00	0.00
8,800.0	6.38	69.05	8,765.4	224.0	585.0	-108.1	0.00	0.00	0.00
8,900.0	6.38	69.05	8,864.8	227.9	595.4	-110.0	0.00	0.00	0.00
9,000.0	6.38	69.05	8,964.2	231.9	605.8	-112.0	0.00	0.00	0.00
9,100.0	6.38	69.05	9,063.6	235.9	616.2	-113.9	0.00	0.00	0.00
9,200.0	6.38	69.05	9,163.0	239.8	626.5	-115.8	0.00	0.00	0.00
9,300.0	6.38	69.05	9,262.3	243.8	636.9	-117.7	0.00	0.00	0.00
9,400.0	6.38	69.05	9,361.7	247.8	647.3	-119.6	0.00	0.00	0.00
9,500.0	6.38	69.05	9,461.1	251.8	657.7	-121.5	0.00	0.00	0.00
9,600.0	6.38	69.05	9,560.5	255.7	668.0	-123.5	0.00	0.00	0.00
9,700.0	6.38	69.05	9,659.9	259.7	678.4	-125.4	0.00	0.00	0.00
9,800.0	6.38	69.05	9,759.2	263.7	688.8	-127.3	0.00	0.00	0.00
9,900.0	6.38	69.05	9,858.6	267.6	699.1	-129.2	0.00	0.00	0.00
10,000.0	6.38	69.05	9,958.0	271.6	709.5	-131.1	0.00	0.00	0.00
10,100.0	6.38	69.05	10,057.4	275.6	719.9	-133.0	0.00	0.00	0.00
10,200.0	6.38	69.05	10,156.8	279.6	730.3	-135.0	0.00	0.00	0.00
10,300.0	6.38	69.05	10,256.2	283.5	740.6	-136.9	0.00	0.00	0.00
10,400.0	6.38	69.05	10,355.5	287.5	751.0	-138.8	0.00	0.00	0.00
10,500.0	6.38	69.05	10,454.9	291.5	761.4	-140.7	0.00	0.00	0.00
10,600.0	6.38	69.05	10,554.3	295.4	771.7	-142.6	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #707H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3568.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3568.0usft
Site:	Savage 2 State Com	North Reference:	Grid
Well:	#707H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,700.0	6.38	69.05	10,653.7	299.4	782.1	-144.5	0.00	0.00	0.00
10,800.0	6.38	69.05	10,753.1	303.4	792.5	-146.5	0.00	0.00	0.00
10,900.0	6.38	69.05	10,852.4	307.3	802.9	-148.4	0.00	0.00	0.00
11,000.0	6.38	69.05	10,951.8	311.3	813.2	-150.3	0.00	0.00	0.00
11,100.0	6.38	69.05	11,051.2	315.3	823.6	-152.2	0.00	0.00	0.00
11,200.0	6.38	69.05	11,150.6	319.3	834.0	-154.1	0.00	0.00	0.00
11,300.0	6.38	69.05	11,250.0	323.2	844.3	-156.0	0.00	0.00	0.00
11,400.0	6.38	69.05	11,349.4	327.2	854.7	-158.0	0.00	0.00	0.00
11,500.0	6.38	69.05	11,448.7	331.2	865.1	-159.9	0.00	0.00	0.00
11,600.0	6.38	69.05	11,548.1	335.1	875.5	-161.8	0.00	0.00	0.00
11,638.5	6.38	69.05	11,586.3	336.7	879.4	-162.5	0.00	0.00	0.00
11,700.0	5.15	69.05	11,647.6	338.9	885.2	-163.6	2.00	-2.00	0.00
11,800.0	3.15	69.05	11,747.3	341.5	892.0	-164.8	2.00	-2.00	0.00
11,900.0	1.15	69.05	11,847.2	342.8	895.5	-165.5	2.00	-2.00	0.00
11,957.3	0.00	0.00	11,904.5	343.0	896.0	-165.6	2.00	-2.00	0.00
11,975.0	2.13	179.58	11,922.2	342.7	896.0	-165.3	12.00	12.00	0.00
12,000.0	5.13	179.58	11,947.2	341.1	896.0	-163.7	12.00	12.00	0.00
12,025.0	8.13	179.58	11,972.0	338.2	896.0	-160.9	12.00	12.00	0.00
12,050.0	11.13	179.58	11,996.6	334.0	896.1	-156.8	12.00	12.00	0.00
12,075.0	14.13	179.58	12,021.0	328.6	896.1	-151.4	12.00	12.00	0.00
12,100.0	17.13	179.58	12,045.1	321.8	896.2	-144.8	12.00	12.00	0.00
12,125.0	20.13	179.58	12,068.8	313.8	896.2	-136.9	12.00	12.00	0.00
12,150.0	23.13	179.58	12,092.0	304.6	896.3	-127.9	12.00	12.00	0.00
12,175.0	26.13	179.58	12,114.8	294.2	896.4	-117.6	12.00	12.00	0.00
12,200.0	29.13	179.58	12,136.9	282.6	896.4	-106.2	12.00	12.00	0.00
12,225.0	32.13	179.58	12,158.4	269.9	896.5	-93.7	12.00	12.00	0.00
12,250.0	35.13	179.58	12,179.2	256.0	896.6	-80.1	12.00	12.00	0.00
12,275.0	38.13	179.58	12,199.3	241.1	896.8	-65.5	12.00	12.00	0.00
12,300.0	41.13	179.58	12,218.5	225.2	896.9	-49.8	12.00	12.00	0.00
12,325.0	44.13	179.58	12,236.9	208.3	897.0	-33.1	12.00	12.00	0.00
12,350.0	47.13	179.58	12,254.4	190.4	897.1	-15.6	12.00	12.00	0.00
12,375.0	50.13	179.58	12,270.9	171.6	897.3	2.9	12.00	12.00	0.00
12,400.0	53.13	179.58	12,286.5	152.0	897.4	22.1	12.00	12.00	0.00
12,425.0	56.13	179.58	12,300.9	131.7	897.6	42.2	12.00	12.00	0.00
12,450.0	59.13	179.58	12,314.3	110.6	897.7	62.9	12.00	12.00	0.00
12,475.0	62.13	179.58	12,326.6	88.8	897.9	84.3	12.00	12.00	0.00
12,500.0	65.13	179.58	12,337.7	66.4	898.0	106.3	12.00	12.00	0.00
12,525.0	68.13	179.58	12,347.6	43.4	898.2	128.9	12.00	12.00	0.00
12,550.0	71.13	179.58	12,356.3	20.0	898.4	151.9	12.00	12.00	0.00
12,575.0	74.13	179.58	12,363.8	-3.9	898.6	175.4	12.00	12.00	0.00
12,600.0	77.13	179.58	12,370.0	-28.1	898.7	199.2	12.00	12.00	0.00
12,625.0	80.13	179.58	12,374.9	-52.6	898.9	223.3	12.00	12.00	0.00
12,650.0	83.13	179.58	12,378.5	-77.3	899.1	247.6	12.00	12.00	0.00
12,675.0	86.13	179.58	12,380.9	-102.2	899.3	272.0	12.00	12.00	0.00
12,700.0	89.13	179.58	12,381.9	-127.2	899.5	296.6	12.00	12.00	0.00
12,707.3	90.00	179.58	12,382.0	-134.4	899.5	303.8	12.00	12.00	0.00
12,800.0	90.00	179.58	12,382.0	-227.2	900.2	394.9	0.00	0.00	0.00
12,900.0	90.00	179.58	12,382.0	-327.2	901.0	493.2	0.00	0.00	0.00
13,000.0	90.00	179.58	12,382.0	-427.2	901.7	591.5	0.00	0.00	0.00
13,100.0	90.00	179.58	12,382.0	-527.2	902.4	689.8	0.00	0.00	0.00
13,200.0	90.00	179.58	12,382.0	-627.2	903.2	788.1	0.00	0.00	0.00
13,300.0	90.00	179.58	12,382.0	-727.2	903.9	886.4	0.00	0.00	0.00
13,400.0	90.00	179.58	12,382.0	-827.2	904.6	984.7	0.00	0.00	0.00
13,500.0	90.00	179.58	12,382.0	-927.1	905.4	1,083.0	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #707H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3568.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3568.0usft
Site:	Savage 2 State Com	North Reference:	Grid
Well:	#707H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,600.0	90.00	179.58	12,382.0	-1,027.1	906.1	1,181.3	0.00	0.00	0.00
13,700.0	90.00	179.58	12,382.0	-1,127.1	906.9	1,279.6	0.00	0.00	0.00
13,800.0	90.00	179.58	12,382.0	-1,227.1	907.6	1,377.9	0.00	0.00	0.00
13,900.0	90.00	179.58	12,382.0	-1,327.1	908.3	1,476.2	0.00	0.00	0.00
14,000.0	90.00	179.58	12,382.0	-1,427.1	909.1	1,574.5	0.00	0.00	0.00
14,100.0	90.00	179.58	12,382.0	-1,527.1	909.8	1,672.8	0.00	0.00	0.00
14,200.0	90.00	179.58	12,382.0	-1,627.1	910.6	1,771.1	0.00	0.00	0.00
14,300.0	90.00	179.58	12,382.0	-1,727.1	911.3	1,869.4	0.00	0.00	0.00
14,400.0	90.00	179.58	12,382.0	-1,827.1	912.0	1,967.7	0.00	0.00	0.00
14,500.0	90.00	179.58	12,382.0	-1,927.1	912.8	2,066.0	0.00	0.00	0.00
14,600.0	90.00	179.58	12,382.0	-2,027.1	913.5	2,164.3	0.00	0.00	0.00
14,700.0	90.00	179.58	12,382.0	-2,127.1	914.2	2,262.6	0.00	0.00	0.00
14,800.0	90.00	179.58	12,382.0	-2,227.1	915.0	2,360.9	0.00	0.00	0.00
14,900.0	90.00	179.58	12,382.0	-2,327.1	915.7	2,459.2	0.00	0.00	0.00
15,000.0	90.00	179.58	12,382.0	-2,427.1	916.5	2,557.5	0.00	0.00	0.00
15,100.0	90.00	179.58	12,382.0	-2,527.1	917.2	2,655.8	0.00	0.00	0.00
15,200.0	90.00	179.58	12,382.0	-2,627.1	917.9	2,754.0	0.00	0.00	0.00
15,300.0	90.00	179.58	12,382.0	-2,727.1	918.7	2,852.3	0.00	0.00	0.00
15,400.0	90.00	179.58	12,382.0	-2,827.1	919.4	2,950.6	0.00	0.00	0.00
15,500.0	90.00	179.58	12,382.0	-2,927.1	920.2	3,048.9	0.00	0.00	0.00
15,600.0	90.00	179.58	12,382.0	-3,027.1	920.9	3,147.2	0.00	0.00	0.00
15,700.0	90.00	179.58	12,382.0	-3,127.1	921.6	3,245.5	0.00	0.00	0.00
15,800.0	90.00	179.58	12,382.0	-3,227.1	922.4	3,343.8	0.00	0.00	0.00
15,900.0	90.00	179.58	12,382.0	-3,327.1	923.1	3,442.1	0.00	0.00	0.00
16,000.0	90.00	179.58	12,382.0	-3,427.1	923.9	3,540.4	0.00	0.00	0.00
16,100.0	90.00	179.58	12,382.0	-3,527.1	924.6	3,638.7	0.00	0.00	0.00
16,200.0	90.00	179.58	12,382.0	-3,627.1	925.3	3,737.0	0.00	0.00	0.00
16,300.0	90.00	179.58	12,382.0	-3,727.1	926.1	3,835.3	0.00	0.00	0.00
16,400.0	90.00	179.58	12,382.0	-3,827.1	926.8	3,933.6	0.00	0.00	0.00
16,500.0	90.00	179.58	12,382.0	-3,927.1	927.5	4,031.9	0.00	0.00	0.00
16,600.0	90.00	179.58	12,382.0	-4,027.1	928.3	4,130.2	0.00	0.00	0.00
16,700.0	90.00	179.58	12,382.0	-4,127.1	929.0	4,228.5	0.00	0.00	0.00
16,800.0	90.00	179.58	12,382.0	-4,227.1	929.8	4,326.8	0.00	0.00	0.00
16,900.0	90.00	179.58	12,382.0	-4,327.1	930.5	4,425.1	0.00	0.00	0.00
17,000.0	90.00	179.58	12,382.0	-4,427.1	931.2	4,523.4	0.00	0.00	0.00
17,100.0	90.00	179.58	12,382.0	-4,527.1	932.0	4,621.7	0.00	0.00	0.00
17,200.0	90.00	179.58	12,382.0	-4,627.0	932.7	4,720.0	0.00	0.00	0.00
17,300.0	90.00	179.58	12,382.0	-4,727.0	933.5	4,818.3	0.00	0.00	0.00
17,374.0	90.00	179.58	12,382.0	-4,801.0	934.0	4,891.0	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #707H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3568.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3568.0usft
Site:	Savage 2 State Com	North Reference:	Grid
Well:	#707H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
KOP(Savage 2 State Co - plan hits target center - Point	0.00	0.00	11,904.5	343.0	896.0	425,078.00	756,456.00	32° 10' 0.147 N	103° 38' 17.241 W
PBHL(Savage 2 State C - plan hits target center - Point	0.00	0.00	12,382.0	-4,801.0	934.0	419,934.00	756,494.00	32° 9' 9.242 N	103° 38' 17.186 W
FTP(Savage 2 State Coi - plan misses target center by 163.4usft at 12357.3usft MD (12259.4 TVD, 185.0 N, 897.2 E) - Point	0.00	0.00	12,382.0	293.0	896.0	425,028.00	756,456.00	32° 9' 59.652 N	103° 38' 17.245 W

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 46348	² Pool Code 98180	³ Pool Name WC-025 G-09 S253309A; Upper Wolfcamp
⁴ Property Code 321651	⁵ Property Name SAVAGE 2 STATE COM	⁶ Well Number #707H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3543'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	2	25-S	32-E	-	385'	NORTH	1228'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	2	25-S	32-E	-	100'	SOUTH	330'	EAST	LEA

¹² Dedicated Acres 322.76	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.

