

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.Carlsbad Field Office
NMNM81929

6. Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
ZIA AHZ FED COM 4H2. Name of Operator
EOG RESOURCES, INC.Contact: STAN WAGNER
E-Mail: stan_wagner@eogresources.com9. API Well No.
30-015-450643a. Address
ATTN: STAN WAGNER P.O. BOX 2267
MIDLAND, TX 797023b. Phone No. (include area code)
Ph: 432-686-368910. Field and Pool or Exploratory Area
GETTY; BONE SPRING

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 13 T20S R29E Mer NMP NWSE 2105FSL 2320FEL

11. County or Parish, State
EDDY COUNTY, NM**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

EOG Resources requests an amendment to our approved APD for this well to reflect a change in TVD.

Change TVD to: 8454' 2nd BS Sand target. ✓

- All previous COAS still apply.

RECEIVED

AUG 07 2018

DISTRICT II-ARTESIA O.C.D.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #428139 verified by the BLM Well Information System
For EOG RESOURCES, INC., sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 07/24/2018 ()

Name (Printed/Typed) STAN WAGNER

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 07/20/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By: Mustafa Hague

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title **Petroleum Engineer**
Carlsbad Field Office

Office

Date 7-26-2018

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Rev 8-8-18

District I
1625 N French Dr Hobbs, NM 88240
Phone (575) 393-6161 Fax (575) 393-6720
District II
611 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) 334-6179
District IV
1220 S St Francis Dr Santa Fe, NM 87505
Phone (505) 476-3460 Fax (505) 476-1462

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

DISTRICT II-ARTESIA O.C.D.

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45064	² Pool Code 27470	³ Pool Name Getty; Bone Spring
⁴ Property Code 12917	⁵ Property Name ZIA AHZ FED COM	⁶ Well Number #4H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3325'

¹⁰Surface Location

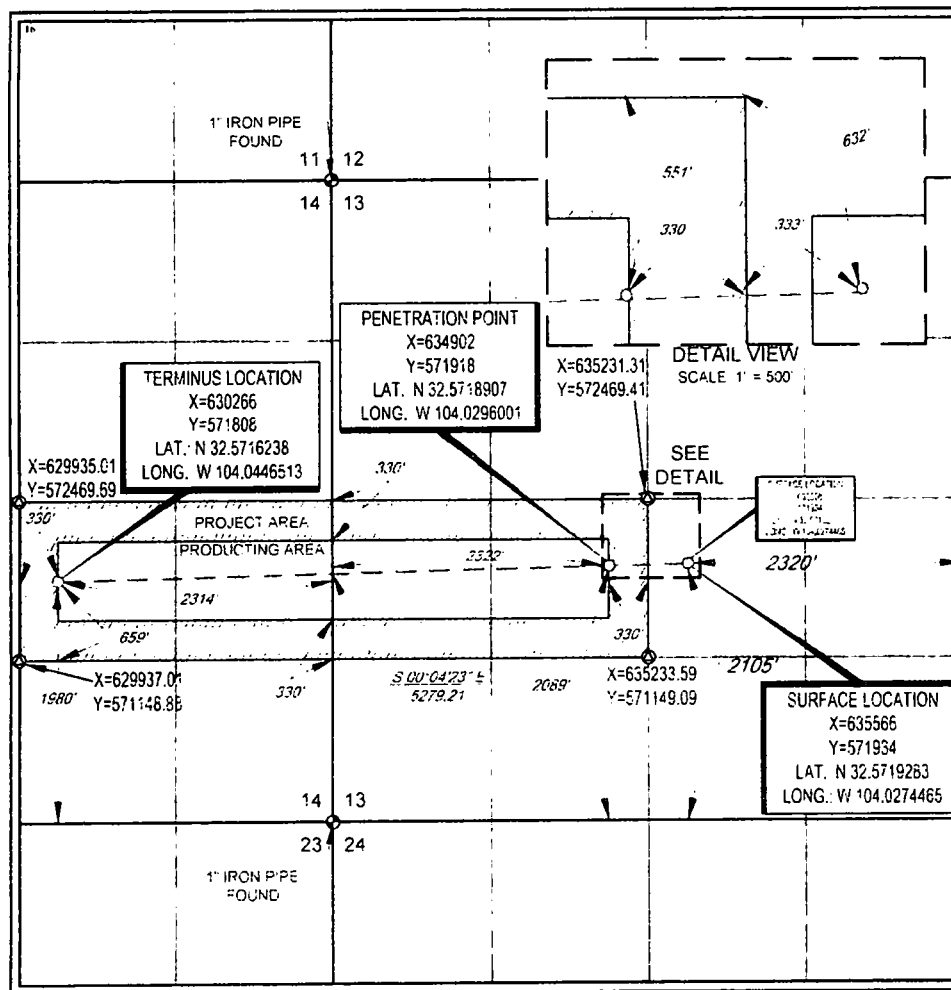
¹ L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	13	20-S	29-E	-	2105'	SOUTH	2320'	EAST	EDDY

¹¹Bottom Hole Location If Different From Surface

¹ L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	14	20-S	29-E	-	1980'	SOUTH	2314'	EAST	EDDY

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.



17 OPERATOR CERTIFICATION
I hereby certify that the information relative herein is true and complete to the best of my knowledge and belief, and that this organization is the owner of the working interest in the well and/or mineral interest in the land underlying the proposed bottom hole location. I have the right to drill this well at this location pursuant to a contract with an owner of a mineral working interest, or to a voluntary pooling agreement or an empty or partly empty unit, under authority entered by the division.

Signature: *Stan Wagner* Date: 7/20/18
Printed Name: Stan Wagner
E-mail Address:

18 SURVEYOR CERTIFICATION
I hereby certify that the well location shown in this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true to the best of my belief.

Date of Survey: 7/20/18
Signature of Professional Surveyor: *Michael Brown*
Professional Surveyor Seal: MICHAEL BROWN, NEW MEXICO, 18329
Certificate Number:

RF 8-8-18.

Intent ☒ As Drilled ☐

API #
30-015-45064

Operator Name:
EOG Resources, Inc.

Property Name:
Zia AHZ Fed Com

Well Number
4H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
K	13	20S	29E						Eddy
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
K	13	20S	29E		2089	South	2322	West	Eddy
Latitude N 32.5718907					Longitude W -104.0296001				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
J	14	20S	29E		1980	South	2314	East	Eddy
Latitude N 32.5716238					Longitude W -104.0446513				NAD 83

Is this well the defining well for the Horizontal Spacing Unit?

☒ Yes

Is this well an infill well?

☐ No

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:

Property Name:

Well Number

KZ 06/29/2018



EOG Resources - Midland

Eddy County, NM (NAD 83 NME)

Zia Ahz Fed Com

#4H

OH

Plan: Plan #0.1

Standard Planning Report

19 July, 2018

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Eddy County, NM (NAD 83 NME)
 Site: Zia Ahz Fed Com
 Well: #4H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #4H
 TVD Reference: KB = 25 @ 3350.0usft
 MD Reference: KB = 25 @ 3350.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Project	Eddy 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	Zia Ahz Fed Com				
Site Position:		Northing:	571,934.00 usft	Latitude:	32° 34' 18.946 N
From:	Map	Easting:	635,566.00 usft	Longitude:	104° 1' 38.803 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.16"

Well	#4H					
Well Position	+N/-S	0.0 usft	Northing:	571,934.00 usft	Latitude:	32° 34' 18.946 N
	+E/-W	0.0 usft	Easting:	635,566.00 usft	Longitude:	104° 1' 38.803 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level:	3,325.0 usft	

Wellbore	OH				
Magnetics	.Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/19/2018	7.07	60.29	47,984.40240771

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	268.64	

Plan Survey Tool Program	Date 7/19/2018				
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	13,177.3 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	
3,225.2	4.50	268.61	3,224.9	-0.2	-8.8	2.00	2.00	0.00	268.61	
8,025.1	4.50	268.51	8,010.0	-9.4	-385.6	0.00	0.00	0.00	0.00	
8,737.5	90.00	268.64	8,450.0	-20.7	-861.4	12.00	12.00	0.00	0.03	
13,177.3	90.00	268.64	8,450.0	-126.0	-5,300.0	0.00	0.00	0.00	0.00	PBHL(Zia AHZ Fed C



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Eddy County, NM (NAD 83 NME)
 Site: Zia Ahz Fed Com
 Well: #4H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #4H
 TVD Reference: KB = 25 @ 3350.0usft
 MD Reference: KB = 25 @ 3350.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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	268.61	3,100.0	0.0	-1.7	1.7	2.00	2.00	0.00
3,200.0	4.00	268.61	3,199.8	-0.2	-7.0	7.0	2.00	2.00	0.00
3,225.2	4.50	268.61	3,224.9	-0.2	-8.8	8.8	2.00	2.00	0.00
3,300.0	4.50	268.61	3,299.5	-0.4	-14.7	14.7	0.00	0.00	0.00
3,400.0	4.50	268.61	3,399.2	-0.5	-22.6	22.6	0.00	0.00	0.00
3,500.0	4.50	268.61	3,496.9	-0.7	-30.4	30.4	0.00	0.00	0.00
3,600.0	4.50	268.61	3,598.6	-0.9	-38.3	38.3	0.00	0.00	0.00
3,700.0	4.50	268.61	3,698.3	-1.1	-46.1	46.1	0.00	0.00	0.00
3,800.0	4.50	268.61	3,798.0	-1.3	-54.0	54.0	0.00	0.00	0.00
3,900.0	4.50	268.61	3,897.7	-1.5	-61.8	61.8	0.00	0.00	0.00
4,000.0	4.50	268.61	3,997.4	-1.7	-69.7	69.7	0.00	0.00	0.00
4,100.0	4.50	268.61	4,097.1	-1.9	-77.5	77.5	0.00	0.00	0.00
4,200.0	4.50	268.61	4,196.8	-2.1	-85.4	85.4	0.00	0.00	0.00
4,300.0	4.50	268.61	4,296.5	-2.3	-93.2	93.2	0.00	0.00	0.00
4,400.0	4.50	268.61	4,396.1	-2.5	-101.1	101.1	0.00	0.00	0.00
4,500.0	4.50	268.61	4,495.8	-2.6	-108.9	108.9	0.00	0.00	0.00
4,600.0	4.50	268.61	4,595.5	-2.8	-116.8	116.8	0.00	0.00	0.00
4,700.0	4.50	268.61	4,695.2	-3.0	-124.6	124.6	0.00	0.00	0.00
4,800.0	4.50	268.61	4,794.9	-3.2	-132.5	132.5	0.00	0.00	0.00
4,900.0	4.50	268.61	4,894.6	-3.4	-140.3	140.3	0.00	0.00	0.00
5,000.0	4.50	268.61	4,994.3	-3.6	-148.2	148.2	0.00	0.00	0.00
5,100.0	4.50	268.61	5,094.0	-3.8	-156.0	156.0	0.00	0.00	0.00
5,200.0	4.50	268.61	5,193.7	-4.0	-163.8	163.9	0.00	0.00	0.00



Planning Report

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 Design: Plan #0.1

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 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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	4.50	268.61	5,293.4	-4.2	-171.7	171.7	0.00	0.00	0.00
5,400.0	4.50	268.61	5,393.1	-4.4	-179.5	179.6	0.00	0.00	0.00
5,500.0	4.50	268.61	5,492.7	-4.6	-187.4	187.5	0.00	0.00	0.00
5,600.0	4.50	268.61	5,592.4	-4.7	-195.2	195.3	0.00	0.00	0.00
5,700.0	4.50	268.61	5,692.1	-4.9	-203.1	203.2	0.00	0.00	0.00
5,800.0	4.50	268.61	5,791.8	-5.1	-210.9	211.0	0.00	0.00	0.00
5,900.0	4.50	268.61	5,891.5	-5.3	-218.8	218.9	0.00	0.00	0.00
6,000.0	4.50	268.61	5,991.2	-5.5	-226.6	226.7	0.00	0.00	0.00
6,100.0	4.50	268.61	6,090.9	-5.7	-234.5	234.6	0.00	0.00	0.00
6,200.0	4.50	268.61	6,190.6	-5.9	-242.3	242.4	0.00	0.00	0.00
6,300.0	4.50	268.61	6,290.3	-6.1	-250.2	250.3	0.00	0.00	0.00
6,400.0	4.50	268.61	6,390.0	-6.3	-258.0	258.1	0.00	0.00	0.00
6,500.0	4.50	268.61	6,489.7	-6.5	-265.9	266.0	0.00	0.00	0.00
6,600.0	4.50	268.61	6,589.3	-6.7	-273.7	273.8	0.00	0.00	0.00
6,700.0	4.50	268.61	6,689.0	-6.8	-281.6	281.7	0.00	0.00	0.00
6,800.0	4.50	268.61	6,788.7	-7.0	-289.4	289.5	0.00	0.00	0.00
6,900.0	4.50	268.61	6,888.4	-7.2	-297.3	297.4	0.00	0.00	0.00
7,000.0	4.50	268.61	6,988.1	-7.4	-305.1	305.2	0.00	0.00	0.00
7,100.0	4.50	268.61	7,087.8	-7.6	-313.0	313.1	0.00	0.00	0.00
7,200.0	4.50	268.61	7,187.5	-7.8	-320.8	320.9	0.00	0.00	0.00
7,300.0	4.50	268.61	7,287.2	-8.0	-328.7	328.8	0.00	0.00	0.00
7,400.0	4.50	268.61	7,386.9	-8.2	-336.5	336.6	0.00	0.00	0.00
7,500.0	4.50	268.61	7,486.6	-8.4	-344.4	344.5	0.00	0.00	0.00
7,600.0	4.50	268.61	7,586.3	-8.6	-352.2	352.3	0.00	0.00	0.00
7,700.0	4.50	268.61	7,686.0	-8.8	-360.1	360.2	0.00	0.00	0.00
7,800.0	4.50	268.61	7,785.6	-8.9	-367.9	368.0	0.00	0.00	0.00
7,900.0	4.50	268.61	7,885.3	-9.1	-375.8	375.9	0.00	0.00	0.00
8,000.0	4.50	268.61	7,985.0	-9.3	-383.6	383.7	0.00	0.00	0.00
8,025.1	4.50	268.61	8,010.0	-9.4	-385.6	385.7	0.00	0.00	0.00
8,050.0	7.49	268.62	8,034.8	-9.4	-388.2	388.3	12.00	12.00	0.05
8,075.0	10.49	268.63	8,059.5	-9.5	-392.1	392.2	12.00	12.00	0.02
8,100.0	13.49	268.63	8,084.0	-9.7	-397.3	397.4	12.00	12.00	0.01
8,125.0	16.49	268.63	8,108.1	-9.8	-403.8	403.9	12.00	12.00	0.01
8,150.0	19.49	268.63	8,131.9	-10.0	-411.5	411.6	12.00	12.00	0.01
8,175.0	22.49	268.63	8,155.2	-10.2	-420.4	420.6	12.00	12.00	0.00
8,200.0	25.49	268.64	8,178.0	-10.4	-430.6	430.7	12.00	12.00	0.00
8,225.0	28.49	268.64	8,200.3	-10.7	-441.9	442.1	12.00	12.00	0.00
8,250.0	31.49	268.64	8,222.0	-11.0	-454.4	454.6	12.00	12.00	0.00
8,275.0	34.49	268.64	8,242.9	-11.3	-468.0	468.2	12.00	12.00	0.00
8,300.0	37.49	268.64	8,263.2	-11.7	-482.7	482.9	12.00	12.00	0.00
8,325.0	40.49	268.64	8,282.6	-12.1	-498.5	498.6	12.00	12.00	0.00
8,350.0	43.49	268.64	8,301.2	-12.5	-515.2	515.3	12.00	12.00	0.00
8,375.0	46.49	268.64	8,318.8	-12.9	-532.8	533.0	12.00	12.00	0.00
8,400.0	49.49	268.64	8,335.6	-13.3	-551.4	551.6	12.00	12.00	0.00
8,425.0	52.49	268.64	8,351.3	-13.8	-570.8	571.0	12.00	12.00	0.00
8,450.0	55.49	268.64	8,366.0	-14.3	-591.0	591.2	12.00	12.00	0.00
8,475.0	58.49	268.64	8,379.6	-14.8	-612.0	612.2	12.00	12.00	0.00
8,500.0	61.49	268.64	8,392.1	-15.3	-633.6	633.8	12.00	12.00	0.00
8,525.0	64.49	268.64	8,403.5	-15.8	-655.9	656.1	12.00	12.00	0.00
8,550.0	67.49	268.64	8,413.6	-16.3	-678.7	678.9	12.00	12.00	0.00
FTP(Zia AHZ Fed Com #4H)									
8,575.0	70.49	268.64	8,422.6	-16.9	-702.1	702.3	12.00	12.00	0.00
8,600.0	73.49	268.64	8,430.3	-17.5	-725.8	726.0	12.00	12.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Eddy County, NM (NAD 83 NME)
 Site: Zia Ahz Fed Com
 Well: #4H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #4H
 TVD Reference: KB = 25 @ 3350.0usft
 MD Reference: KB = 25 @ 3350.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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)
8,625.0	76.49	268.64	8,436.8	-18.0	-750.0	750.2	12.00	12.00	0.00
8,650.0	79.49	268.64	8,442.0	-18.6	-774.4	774.6	12.00	12.00	0.00
8,675.0	82.49	268.64	8,445.9	-19.2	-799.1	799.3	12.00	12.00	0.00
8,700.0	85.49	268.64	8,448.5	-19.8	-824.0	824.2	12.00	12.00	0.00
8,725.0	88.49	268.64	8,449.8	-20.4	-848.9	849.2	12.00	12.00	0.00
8,737.5	90.00	268.64	8,450.0	-20.7	-861.4	861.7	12.00	12.00	0.00
8,800.0	90.00	268.64	8,450.0	-22.2	-923.9	924.2	0.00	0.00	0.00
8,900.0	90.00	268.64	8,450.0	-24.5	-1,023.9	1,024.2	0.00	0.00	0.00
9,000.0	90.00	268.64	8,450.0	-26.9	-1,123.8	1,124.2	0.00	0.00	0.00
9,100.0	90.00	268.64	8,450.0	-29.3	-1,223.8	1,224.2	0.00	0.00	0.00
9,200.0	90.00	268.64	8,450.0	-31.7	-1,323.8	1,324.2	0.00	0.00	0.00
9,300.0	90.00	268.64	8,450.0	-34.0	-1,423.7	1,424.2	0.00	0.00	0.00
9,400.0	90.00	268.64	8,450.0	-36.4	-1,523.7	1,524.2	0.00	0.00	0.00
9,500.0	90.00	268.64	8,450.0	-38.8	-1,623.7	1,624.2	0.00	0.00	0.00
9,600.0	90.00	268.64	8,450.0	-41.1	-1,723.7	1,724.2	0.00	0.00	0.00
9,700.0	90.00	268.64	8,450.0	-43.5	-1,823.6	1,824.2	0.00	0.00	0.00
9,800.0	90.00	268.64	8,450.0	-45.9	-1,923.6	1,924.2	0.00	0.00	0.00
9,900.0	90.00	268.64	8,450.0	-48.3	-2,023.6	2,024.2	0.00	0.00	0.00
10,000.0	90.00	268.64	8,450.0	-50.6	-2,123.5	2,124.2	0.00	0.00	0.00
10,100.0	90.00	268.64	8,450.0	-53.0	-2,223.5	2,224.2	0.00	0.00	0.00
10,200.0	90.00	268.64	8,450.0	-55.4	-2,323.5	2,324.2	0.00	0.00	0.00
10,300.0	90.00	268.64	8,450.0	-57.7	-2,423.5	2,424.2	0.00	0.00	0.00
10,400.0	90.00	268.64	8,450.0	-60.1	-2,523.4	2,524.2	0.00	0.00	0.00
10,500.0	90.00	268.64	8,450.0	-62.5	-2,623.4	2,624.2	0.00	0.00	0.00
10,600.0	90.00	268.64	8,450.0	-64.9	-2,723.4	2,724.2	0.00	0.00	0.00
10,700.0	90.00	268.64	8,450.0	-67.2	-2,823.4	2,824.2	0.00	0.00	0.00
10,800.0	90.00	268.64	8,450.0	-69.6	-2,923.3	2,924.2	0.00	0.00	0.00
10,900.0	90.00	268.64	8,450.0	-72.0	-3,023.3	3,024.2	0.00	0.00	0.00
11,000.0	90.00	268.64	8,450.0	-74.4	-3,123.3	3,124.2	0.00	0.00	0.00
11,100.0	90.00	268.64	8,450.0	-76.7	-3,223.2	3,224.2	0.00	0.00	0.00
11,200.0	90.00	268.64	8,450.0	-79.1	-3,323.2	3,324.2	0.00	0.00	0.00
11,300.0	90.00	268.64	8,450.0	-81.5	-3,423.2	3,424.2	0.00	0.00	0.00
11,400.0	90.00	268.64	8,450.0	-83.8	-3,523.2	3,524.2	0.00	0.00	0.00
11,500.0	90.00	268.64	8,450.0	-86.2	-3,623.1	3,624.2	0.00	0.00	0.00
11,600.0	90.00	268.64	8,450.0	-88.6	-3,723.1	3,724.2	0.00	0.00	0.00
11,700.0	90.00	268.64	8,450.0	-91.0	-3,823.1	3,824.2	0.00	0.00	0.00
11,800.0	90.00	268.64	8,450.0	-93.3	-3,923.0	3,924.2	0.00	0.00	0.00
11,900.0	90.00	268.64	8,450.0	-95.7	-4,023.0	4,024.2	0.00	0.00	0.00
12,000.0	90.00	268.64	8,450.0	-98.1	-4,123.0	4,124.2	0.00	0.00	0.00
12,100.0	90.00	268.64	8,450.0	-100.4	-4,223.0	4,224.2	0.00	0.00	0.00
12,200.0	90.00	268.64	8,450.0	-102.8	-4,322.9	4,324.2	0.00	0.00	0.00
12,300.0	90.00	268.64	8,450.0	-105.2	-4,422.9	4,424.2	0.00	0.00	0.00
12,400.0	90.00	268.64	8,450.0	-107.6	-4,522.9	4,524.2	0.00	0.00	0.00
12,500.0	90.00	268.64	8,450.0	-109.9	-4,622.8	4,624.2	0.00	0.00	0.00
12,600.0	90.00	268.64	8,450.0	-112.3	-4,722.8	4,724.2	0.00	0.00	0.00
12,700.0	90.00	268.64	8,450.0	-114.7	-4,822.8	4,824.2	0.00	0.00	0.00
12,800.0	90.00	268.64	8,450.0	-117.0	-4,922.8	4,924.2	0.00	0.00	0.00
12,900.0	90.00	268.64	8,450.0	-119.4	-5,022.7	5,024.2	0.00	0.00	0.00
13,000.0	90.00	268.64	8,450.0	-121.8	-5,122.7	5,124.2	0.00	0.00	0.00
13,100.0	90.00	268.64	8,450.0	-124.2	-5,222.7	5,224.2	0.00	0.00	0.00
13,177.3	90.00	268.64	8,450.0	-126.0	-5,300.0	5,301.5	0.00	0.00	0.00

PBHL(Zia AHZ Fed Com #4H)

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Eddy County, NM (NAD 83 NME)
Site: Zia Ahz Fed Com
Well: #4H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #4H
TVD Reference: KB = 25 @ 3350.0usft
MD Reference: KB = 25 @ 3350.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL(Zia AHZ Fed Corr - plan hits target center - Point	0.00	0.00	8,450.0	-126.0	-5,300.0	571,808.00	630,266.00	32° 34' 17.845 N	104° 2' 40.745 W
FTP(Zia AHZ Fed Com # - plan misses target center by 39.2usft at 8550.0usft MD (8413.6 TVD, -16.3 N, -678.7 E) - Point	0.00	0.00	8,450.0	-16.0	-664.0	571,918.00	634,902.00	32° 34' 18.806 N	104° 1' 46.564 W