

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

HOBBS CCD

OIL CONSERVATION DIVISION

SEP 12 2018

1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

WELL API NO.

30-025-44474

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Della 29 Fed

8. Well Number 603H

9. OGRID Number

7377

10. Pool name or Wildcat

Lea; Bone Spring, South

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator

EOG Resources, Inc.

HOBBS CCD

3. Address of Operator

P.O. Box 2267 Midland, TX 79702

SEP 11 2018

4. Well Location

Unit Letter O : 230 feet from the South 2600 feet from the East line

Section 29 Township 20S Range 34E NMPM County Lea

RECEIVED

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3716' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☒

PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

DOWNHOLE COMMINGLE ☐

CLOSED-LOOP SYSTEM ☐

OTHER: Change BHL, HSU ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS ☐ P AND A ☐

CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

EOG Resources requests an amendment to our approved APD for this well to reflect a revised BHL & HSU.

Change BHL to: 100' FNL & 2318' FEL B-29-20S-34E

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Stan Wagner
Stan Wagner

TITLE

Regulatory Analyst

DATE

9/10/2018

Type or print name

E-mail address:

PHONE:

432-686-3689

For State Use Only

APPROVED BY:

Karen Sharp

TITLE

Staff Mgr

DATE

9-12-18

Conditions of Approval (if any):

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
1060 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1230 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

SEP 11 2018

☒ AMENDED REPORT

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44474	² Pool Code 37580	³ Pool Name Lea; Bone Spring South
⁴ Property Code 315962	⁵ Property Name DELLA 29 FED COM	⁶ Well Number #603H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3716'

¹⁰Surface Location

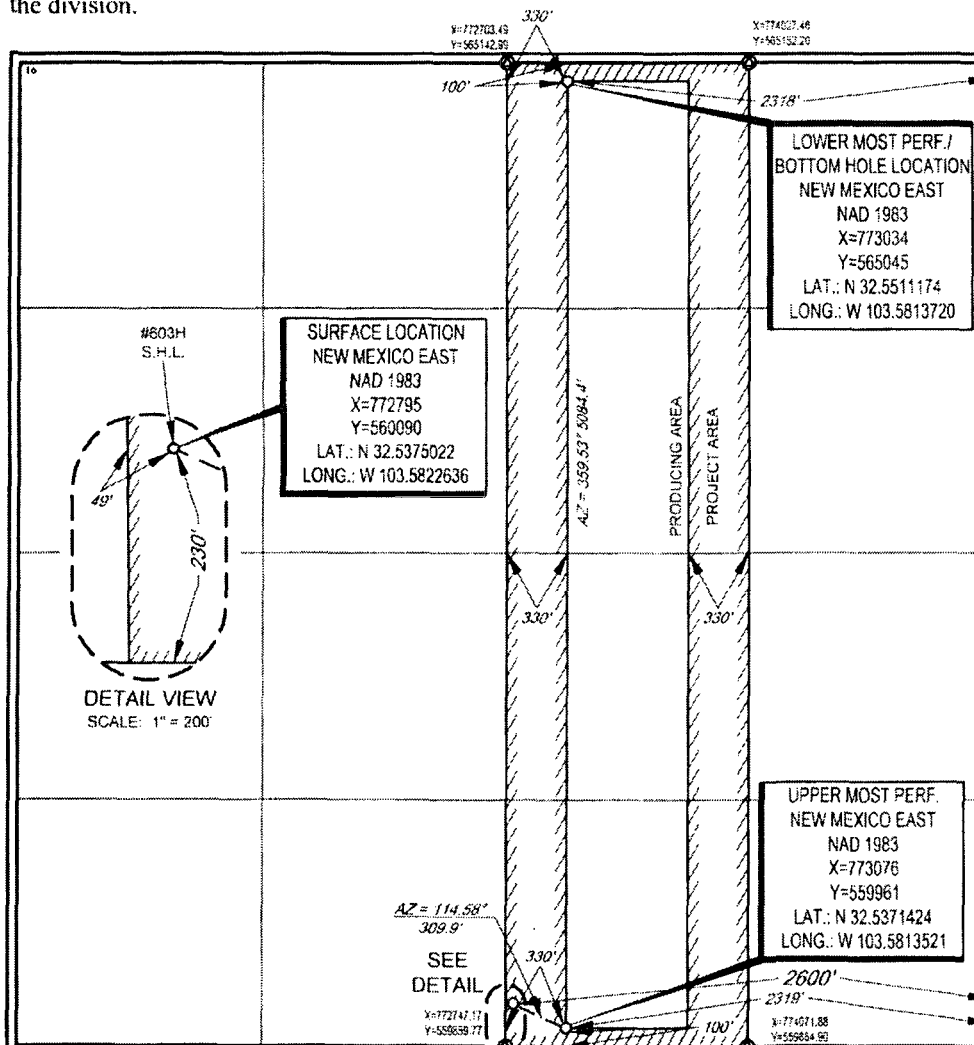
UL or lot no. 0	Section 29	Township 20-S	Range 34-E	Lot Idn -	Feet from the 230'	North/South line SOUTH	Feet from the 2600'	East/West line EAST	County LEA
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¹¹Bottom Hole Location If Different From Surface

UL or lot no. B	Section 29	Township 20-S	Range 34-E	Lot Idn -	Feet from the 100'	North/South line NORTH	Feet from the 2318'	East/West line EAST	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.



¹⁷OPERATOR CERTIFICATION

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 undivided mineral interest in the land including the proposed bottom hole location 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.

Signature: *Stan Wagner* Date: 9/10/18

Printed Name: Stan Wagner

E-mail Address:

¹⁸SURVEYOR CERTIFICATION

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 to the best of my belief.

Date of Survey: 09/05/2018
Signature and Seal of Professional Surveyor: *Michael Brown*
Certificate Number: 18329

Intent ☒ As Drilled ☐

API #
30-025-44474

Operator Name: EOG Resources, Inc.	Property Name: Della 29 Fed Com	Well Number 603H
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Kick Off Point (KOP)

UL O	Section 29	Township 20S	Range 34E	Lot	Feet	From N/S	Feet	From E/W	County Lea
Latitude					Longitude				NAD

First Take Point (FTP)

UL O	Section 29	Township 20S	Range 34E	Lot	Feet 100	From N/S South	Feet 2319	From E/W East	County Lea
Latitude N 32.5371424					Longitude W -103.5813521				NAD 83

Last Take Point (LTP)

UL B	Section 29	Township 20S	Range 34E	Lot	Feet 100	From N/S North	Feet 2318	From E/W East	County Lea
Latitude N 32.5511174					Longitude W -103.5813720				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
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KZ 06/29/2018

Revised Permit Information 9/10/18:

SEP 11 2018

Well Name: Della 29 Fed Com #603H

RECEIVED**Location:**

SL: 230' FSL & 2,600' FEL, Section 29, T-20-S, R-34-E, Lea Co., N.M.

BHL: 100' FNL & 2,318' FEL, Section 29, T-20-S, R-34-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 - 1,655'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0 - 4,000'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
12.25"	4,000' - 5,400'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0' - 10,900'	7.625"	29.7#	HCP-110	FlushMax III	1.125	1.25	1.60
6.75"	0' - 16,188'	5.5"	20#	P-110EC	VAM SFC	1.125	1.25	1.60

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Mix Water Gal/sk	Slurry Description
13-3/8" 1,655'	1075	13.5	1.74	9.17	Class C + 4% Gel + 2% CaCl ₂ + 0.25 pps Celloflake (TOC @ Surface)
	385	14.8	1.34	6.35	Class C + 2.0% CaCl ₂
9-5/8" 5,400' DV Tool w/ ECP @ 3,700'	235	12.7	1.90	9.96	Stage 1 Lead: 35:65 Poz:Class C + 3.0% Salt + 6.0% Gel + 0.4% CPT-20 + 0.5% CPT-45 (TOC @ 3,700')
	200	14.8	1.33	6.32	Stage 1 Tail: Class C + 0.2% CPT-19
	785	12.7	1.90	9.96	Stage 2 Lead: 35:65 Poz:Class C + 3.0% Salt + 6.0% Gel + 0.5% CPT-45 + 0.2% CPT-20 (TOC @ Surface)
	100	14.8	1.33	6.32	Stage 2 Tail: Class C + 0.2% CPT-19
7-5/8" 10,900'	425	11.5	2.64	14.69	50:50 Poz:H + 5.0% Salt + 7.0% Gel + 0.4% CPT-503P + 0.5% CPT-19 (TOC @ Surface)
	140	14.4	1.24	5.08	50:50 Poz:H + 5.0% Salt
5-1/2" 16,188'	220	11.0	3.21	19.24	50:50 Poz:H + 5.0% Salt + 3.0% CPT-45 + 0.4% CPT-503P + 1.0% CPT-19 + 5.0% Gypsum + 0.15% CPT-20 + 0.15% Citric Acid (TOC @ 10,400')
	550	14.4	1.20	4.81	50:50 Poz:H + 0.25% CPT-503P + 0.8% CPT-16A + 0.2% CPT-35 + 0.4% CPT-39 + 0.25% CPT-20

Mud program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,655'	Fresh - Gel	8.6-8.8	28-34	N/c
1,655' - 5,400'	Fresh-Gel	8.6-8.8	28-34	N/c
5,400' - 10,900'	Oil Base	8.7-9.4	58-68	N/c - 6
10,900' - 16,188' Lateral	Oil Base	10.0-10.5	58-68	N/c - 6

Della 29 Fed #603H

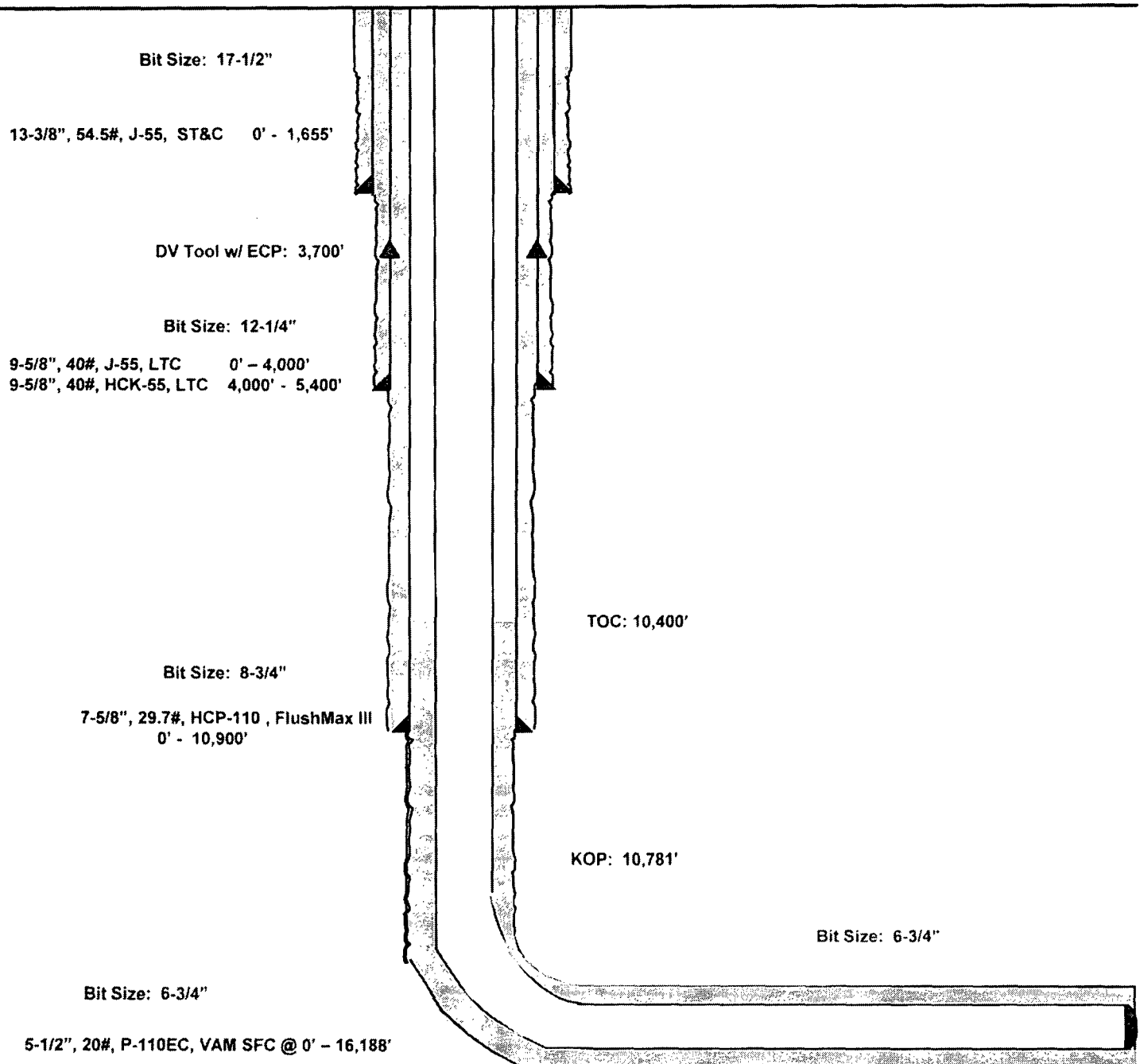
SEP 11 2018

Lea County, New Mexico
Revised Wellbore 9/10/18

230' FSL
2600' FEL
Section 29
T-20-S, R-34-E

API: 30-025-44474

KB: 3,741'
GL: 3,716'



Lateral: 16,188' MD, 11,250' TVD
Upper Most Perf:
100' FSL & 2319' FWL Sec. 29
Lower Most Perf:
100' FNL & 2318' FWL Sec. 29
BH Location: 100' FNL & 2318' FWL
Section 29
T-20-S, R-34-E

HOBBS OCD

SEP 11 2018

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Lea County, NM (NAD 83 NME)

Della 29 Fed Com

#603H

Plan #0.2

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level



Azimuths to Grid North
True North: 0.40°
Magnetic North: 6.87°

Magnetic Field
Strength: 48112.3nT
Dip Angle: 60.35°
Date: 7/18/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.87°
To convert a Magnetic Direction to a True Direction, Add 6.97° East
To convert a True Direction to a Grid Direction, Subtract 6.40°

WELL DETAILS: #603H

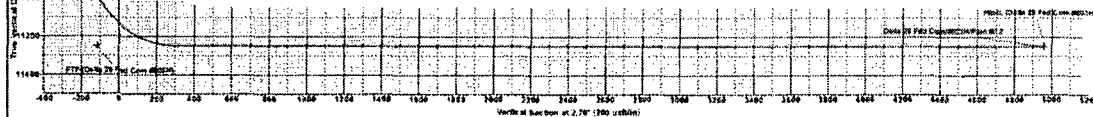
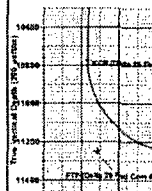
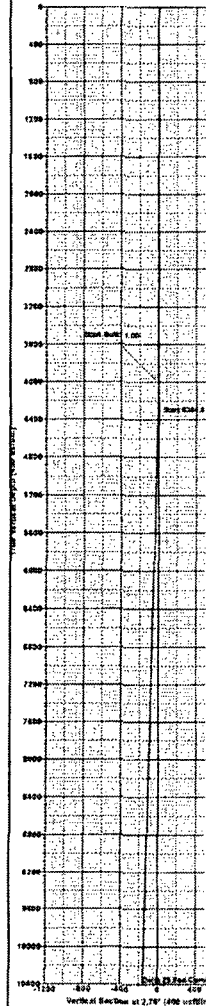
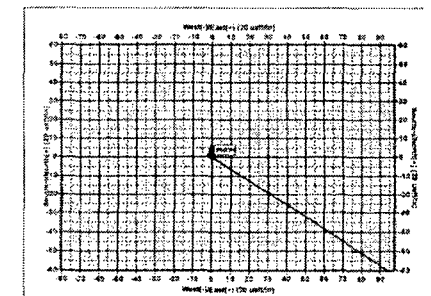
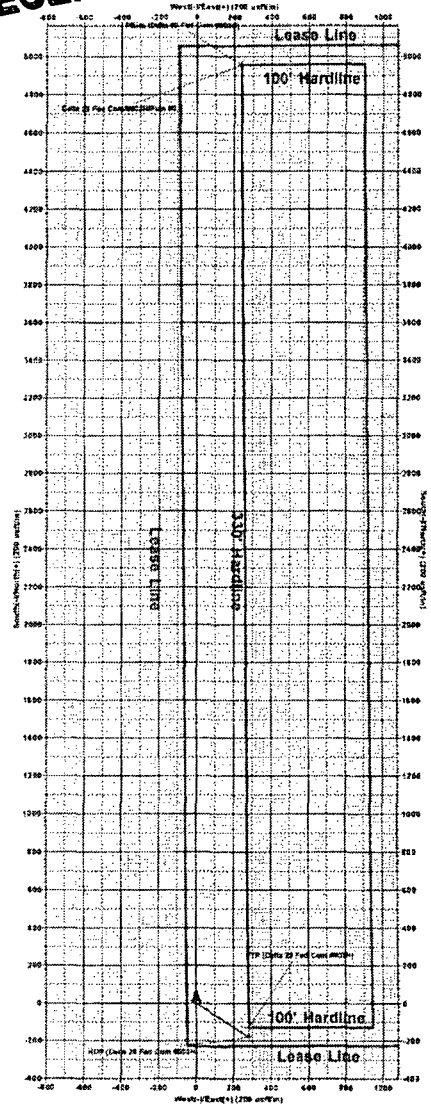
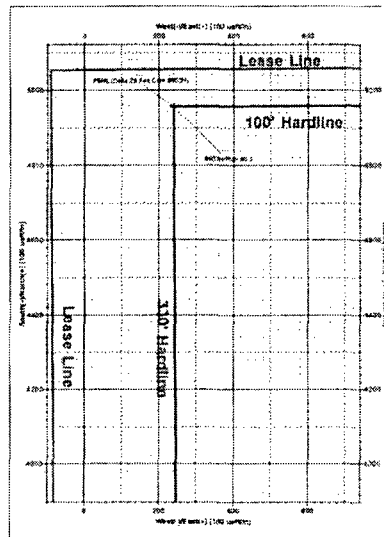
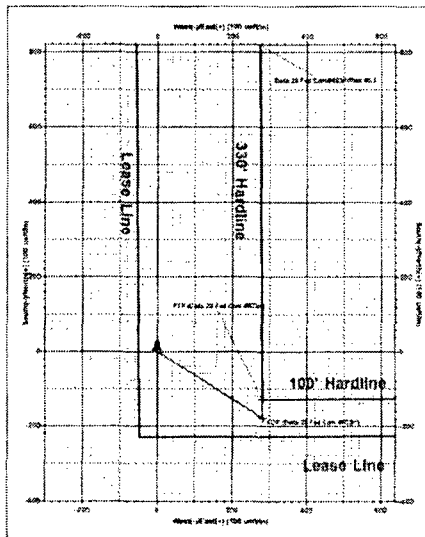
3716.0
KB = 75 @ 3741.0mR
N/S: 0.0 E/W: 0.0 Northing: 500190.00 Easting: 777795.00 12° 32' 15" 00N 103° 24' 56" 143 W Crt

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	N/S	E/W	Dleg	IFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4000.0	0.00	0.00	4000.0	0.0	0.0	0.00	0.00	0.0	
3	4291.0	2.91	122.50	4290.9	-4.0	6.2	1.00	122.50	-3.7	
4	10635.4	2.91	122.50	10627.1	-177.0	277.9	0.00	0.00	-163.4	
5	10780.9	0.00	0.00	10772.5	-179.0	281.0	2.00	180.00	-165.3	KOP (Delta 29 Fed Com #603H)
6	11530.9	90.00	359.53	11250.0	-298.4	277.1	12.00	359.53	311.4	
7	18187.6	90.00	359.53	11250.0	-4955.0	239.0	0.00	0.00	4960.8	PBHL (Delta 29 Fed Com #603H)

WELLDROP TARGET DETAILS (MAP COORDINATES)

Name	TVD	N/S	E/W	Northing	Easting	Shape
KOP (Delta 29 Fed Com #603H)	10772.5	-179.0	281.0	888911.00	773078.00	Point
FTP (Delta 29 Fed Com #603H)	11250.0	-179.0	281.0	888961.00	773078.00	Point
PBHL (Delta 29 Fed Com #603H)	11250.0	-4955.0	239.0	888965.00	773034.00	Point



WELL #603H
Della 29 Fed Com #603H
Plan #0.2



SEP 11 2018

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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Della 29 Fed Com

#603H

OH

Plan: Plan #0.2

Standard Planning Report

10 September, 2018

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #603H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3741.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3741.0usft
Site:	Della 29 Fed Com	North Reference:	Grid
Well:	#603H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	Della 29 Fed Com		
Site Position:		Northing:	560,090.00 usft
From:	Map	Easting:	772,794.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 32' 15.008 N
		Longitude:	103° 34' 56.155 W
		Grid Convergence:	0.40 °

Well	#603H		
Well Position	+N/-S	0.0 usft	Northing: 560,090.00 usft
	+E/-W	1.0 usft	Easting: 772,795.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,716.0 usft
		Latitude:	32° 32' 15.008 N
		Longitude:	103° 34' 56.143 W
		Ground Level:	

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	7/18/2017	(°)
			6.97
			Dip Angle (°)
			60.35
			Field Strength (nT)
			48,112.25779789

Design	Plan #0.2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction (°)
			2.76

Plan Survey Tool Program	Date 9/10/2018		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	16,187.6 Plan #0.2 (OH)	MWD
			OWSG MWD - Standard
			Remarks

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,291.0	2.91	122.50	4,290.9	-4.0	6.2	1.00	1.00	0.00	122.50	
10,635.4	2.91	122.50	10,627.1	-177.0	277.9	0.00	0.00	0.00	0.00	
10,780.9	0.00	0.00	10,772.5	-179.0	281.0	2.00	-2.00	0.00	180.00	KOP (Della 29 Fed Cr
11,530.9	90.00	359.53	11,250.0	298.4	277.1	12.00	12.00	-0.06	359.53	
16,187.6	90.00	359.53	11,250.0	4,955.0	239.0	0.00	0.00	0.00	0.00	PBHL (Della 29 Fed C

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Della 29 Fed Com
Well: #603H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #603H
TVD Reference: KB = 25 @ 3741.0usft
MD Reference: KB = 25 @ 3741.0usft
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	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	1.00	122.50	4,100.0	-0.5	0.7	-0.4	1.00	1.00	0.00
4,200.0	2.00	122.50	4,200.0	-1.9	2.9	-1.7	1.00	1.00	0.00
4,291.0	2.91	122.50	4,290.9	-4.0	6.2	-3.7	1.00	1.00	0.00
4,300.0	2.91	122.50	4,299.9	-4.2	6.6	-3.9	0.00	0.00	0.00
4,400.0	2.91	122.50	4,399.7	-6.9	10.9	-6.4	0.00	0.00	0.00
4,500.0	2.91	122.50	4,499.6	-9.7	15.2	-8.9	0.00	0.00	0.00
4,600.0	2.91	122.50	4,599.5	-12.4	19.5	-11.4	0.00	0.00	0.00
4,700.0	2.91	122.50	4,699.3	-15.1	23.7	-14.0	0.00	0.00	0.00
4,800.0	2.91	122.50	4,799.2	-17.9	28.0	-16.5	0.00	0.00	0.00
4,900.0	2.91	122.50	4,899.1	-20.6	32.3	-19.0	0.00	0.00	0.00
5,000.0	2.91	122.50	4,999.0	-23.3	36.6	-21.5	0.00	0.00	0.00
5,100.0	2.91	122.50	5,098.8	-26.0	40.9	-24.0	0.00	0.00	0.00
5,200.0	2.91	122.50	5,198.7	-28.8	45.2	-26.6	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Della 29 Fed Com
 Well: #603H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference: Well #603H
 TVD Reference: KB = 25 @ 3741.0usft
 MD Reference: KB = 25 @ 3741.0usft
 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)
5,300.0	2.91	122.50	5,298.6	-31.5	49.4	-29.1	0.00	0.00	0.00
5,400.0	2.91	122.50	5,398.4	-34.2	53.7	-31.6	0.00	0.00	0.00
5,500.0	2.91	122.50	5,498.3	-36.9	58.0	-34.1	0.00	0.00	0.00
5,600.0	2.91	122.50	5,598.2	-39.7	62.3	-36.6	0.00	0.00	0.00
5,700.0	2.91	122.50	5,698.1	-42.4	66.6	-39.1	0.00	0.00	0.00
5,800.0	2.91	122.50	5,797.9	-45.1	70.8	-41.7	0.00	0.00	0.00
5,900.0	2.91	122.50	5,897.8	-47.9	75.1	-44.2	0.00	0.00	0.00
6,000.0	2.91	122.50	5,997.7	-50.6	79.4	-46.7	0.00	0.00	0.00
6,100.0	2.91	122.50	6,097.5	-53.3	83.7	-49.2	0.00	0.00	0.00
6,200.0	2.91	122.50	6,197.4	-56.0	88.0	-51.7	0.00	0.00	0.00
6,300.0	2.91	122.50	6,297.3	-58.8	92.3	-54.3	0.00	0.00	0.00
6,400.0	2.91	122.50	6,397.2	-61.5	96.5	-56.8	0.00	0.00	0.00
6,500.0	2.91	122.50	6,497.0	-64.2	100.8	-59.3	0.00	0.00	0.00
6,600.0	2.91	122.50	6,596.9	-66.9	105.1	-61.8	0.00	0.00	0.00
6,700.0	2.91	122.50	6,696.8	-69.7	109.4	-64.3	0.00	0.00	0.00
6,800.0	2.91	122.50	6,796.6	-72.4	113.7	-66.8	0.00	0.00	0.00
6,900.0	2.91	122.50	6,896.5	-75.1	117.9	-69.4	0.00	0.00	0.00
7,000.0	2.91	122.50	6,996.4	-77.9	122.2	-71.9	0.00	0.00	0.00
7,100.0	2.91	122.50	7,096.3	-80.6	126.5	-74.4	0.00	0.00	0.00
7,200.0	2.91	122.50	7,196.1	-83.3	130.8	-76.9	0.00	0.00	0.00
7,300.0	2.91	122.50	7,296.0	-86.0	135.1	-79.4	0.00	0.00	0.00
7,400.0	2.91	122.50	7,395.9	-88.8	139.4	-82.0	0.00	0.00	0.00
7,500.0	2.91	122.50	7,495.7	-91.5	143.6	-84.5	0.00	0.00	0.00
7,600.0	2.91	122.50	7,595.6	-94.2	147.9	-87.0	0.00	0.00	0.00
7,700.0	2.91	122.50	7,695.5	-97.0	152.2	-89.5	0.00	0.00	0.00
7,800.0	2.91	122.50	7,795.3	-99.7	156.5	-92.0	0.00	0.00	0.00
7,900.0	2.91	122.50	7,895.2	-102.4	160.8	-94.5	0.00	0.00	0.00
8,000.0	2.91	122.50	7,995.1	-105.1	165.0	-97.1	0.00	0.00	0.00
8,100.0	2.91	122.50	8,095.0	-107.9	169.3	-99.6	0.00	0.00	0.00
8,200.0	2.91	122.50	8,194.8	-110.6	173.6	-102.1	0.00	0.00	0.00
8,300.0	2.91	122.50	8,294.7	-113.3	177.9	-104.6	0.00	0.00	0.00
8,400.0	2.91	122.50	8,394.6	-116.0	182.2	-107.1	0.00	0.00	0.00
8,500.0	2.91	122.50	8,494.4	-118.8	186.5	-109.7	0.00	0.00	0.00
8,600.0	2.91	122.50	8,594.3	-121.5	190.7	-112.2	0.00	0.00	0.00
8,700.0	2.91	122.50	8,694.2	-124.2	195.0	-114.7	0.00	0.00	0.00
8,800.0	2.91	122.50	8,794.1	-127.0	199.3	-117.2	0.00	0.00	0.00
8,900.0	2.91	122.50	8,893.9	-129.7	203.6	-119.7	0.00	0.00	0.00
9,000.0	2.91	122.50	8,993.8	-132.4	207.9	-122.2	0.00	0.00	0.00
9,100.0	2.91	122.50	9,093.7	-135.1	212.1	-124.8	0.00	0.00	0.00
9,200.0	2.91	122.50	9,193.5	-137.9	216.4	-127.3	0.00	0.00	0.00
9,300.0	2.91	122.50	9,293.4	-140.6	220.7	-129.8	0.00	0.00	0.00
9,400.0	2.91	122.50	9,393.3	-143.3	225.0	-132.3	0.00	0.00	0.00
9,500.0	2.91	122.50	9,493.2	-146.0	229.3	-134.8	0.00	0.00	0.00
9,600.0	2.91	122.50	9,593.0	-148.8	233.6	-137.4	0.00	0.00	0.00
9,700.0	2.91	122.50	9,692.9	-151.5	237.8	-139.9	0.00	0.00	0.00
9,800.0	2.91	122.50	9,792.8	-154.2	242.1	-142.4	0.00	0.00	0.00
9,900.0	2.91	122.50	9,892.6	-157.0	246.4	-144.9	0.00	0.00	0.00
10,000.0	2.91	122.50	9,992.5	-159.7	250.7	-147.4	0.00	0.00	0.00
10,100.0	2.91	122.50	10,092.4	-162.4	255.0	-149.9	0.00	0.00	0.00
10,200.0	2.91	122.50	10,192.3	-165.1	259.2	-152.5	0.00	0.00	0.00
10,300.0	2.91	122.50	10,292.1	-167.9	263.5	-155.0	0.00	0.00	0.00
10,400.0	2.91	122.50	10,392.0	-170.6	267.8	-157.5	0.00	0.00	0.00
10,500.0	2.91	122.50	10,491.9	-173.3	272.1	-160.0	0.00	0.00	0.00
10,600.0	2.91	122.50	10,591.7	-176.1	276.4	-162.5	0.00	0.00	0.00

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Della 29 Fed Com
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Local Co-ordinate Reference: Well #603H
 TVD Reference: KB = 25 @ 3741.0usft
 MD Reference: KB = 25 @ 3741.0usft
 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)
10,635.4	2.91	122.50	10,627.1	-177.0	277.9	-163.4	0.00	0.00	0.00
10,700.0	1.62	122.50	10,691.6	-178.4	280.0	-164.7	2.00	-2.00	0.00
10,780.9	0.00	0.00	10,772.5	-179.0	281.0	-165.3	2.00	-2.00	0.00
KOP (Della 29 Fed Com #603H)									
10,800.0	2.30	359.53	10,791.6	-178.6	281.0	-164.9	12.00	12.00	0.00
10,825.0	5.30	359.53	10,816.6	-177.0	281.0	-163.2	12.00	12.00	0.00
10,850.0	8.30	359.53	10,841.4	-174.0	281.0	-160.3	12.00	12.00	0.00
10,875.0	11.30	359.53	10,866.0	-169.8	280.9	-156.0	12.00	12.00	0.00
10,900.0	14.30	359.53	10,890.4	-164.2	280.9	-150.5	12.00	12.00	0.00
10,925.0	17.30	359.53	10,914.5	-157.4	280.8	-143.7	12.00	12.00	0.00
10,950.0	20.30	359.53	10,938.1	-149.4	280.8	-135.7	12.00	12.00	0.00
10,975.0	23.30	359.53	10,961.3	-140.1	280.7	-126.4	12.00	12.00	0.00
11,000.0	26.30	359.53	10,984.0	-129.6	280.6	-115.9	12.00	12.00	0.00
11,025.0	29.30	359.53	11,006.1	-117.9	280.5	-104.3	12.00	12.00	0.00
11,050.0	32.30	359.53	11,027.6	-105.1	280.4	-91.5	12.00	12.00	0.00
11,075.0	35.30	359.53	11,048.4	-91.2	280.3	-77.6	12.00	12.00	0.00
11,100.0	38.30	359.53	11,068.4	-76.3	280.2	-62.7	12.00	12.00	0.00
11,125.0	41.30	359.53	11,087.6	-60.3	280.0	-46.7	12.00	12.00	0.00
11,150.0	44.30	359.53	11,105.9	-43.3	279.9	-29.7	12.00	12.00	0.00
11,175.0	47.30	359.53	11,123.4	-25.4	279.7	-11.9	12.00	12.00	0.00
11,180.4	47.95	359.53	11,127.0	-21.3	279.7	-7.8	12.00	12.00	0.00
FTP (Della 29 Fed Com #603H)									
11,200.0	50.30	359.53	11,139.8	-6.6	279.6	6.9	12.00	12.00	0.00
11,225.0	53.30	359.53	11,155.3	13.1	279.4	26.5	12.00	12.00	0.00
11,250.0	56.30	359.53	11,169.7	33.5	279.3	46.9	12.00	12.00	0.00
11,275.0	59.30	359.53	11,183.0	54.7	279.1	68.0	12.00	12.00	0.00
11,300.0	62.30	359.53	11,195.2	76.5	278.9	89.8	12.00	12.00	0.00
11,325.0	65.30	359.53	11,206.3	98.9	278.7	112.2	12.00	12.00	0.00
11,350.0	68.30	359.53	11,216.1	121.9	278.5	135.2	12.00	12.00	0.00
11,375.0	71.30	359.53	11,224.7	145.3	278.3	158.6	12.00	12.00	0.00
11,400.0	74.30	359.53	11,232.1	169.2	278.2	182.4	12.00	12.00	0.00
11,425.0	77.30	359.53	11,238.3	193.4	278.0	206.6	12.00	12.00	0.00
11,450.0	80.30	359.53	11,243.1	218.0	277.8	231.1	12.00	12.00	0.00
11,475.0	83.30	359.53	11,246.7	242.7	277.6	255.8	12.00	12.00	0.00
11,500.0	86.30	359.53	11,249.0	267.6	277.3	280.7	12.00	12.00	0.00
11,525.0	89.30	359.53	11,249.9	292.6	277.1	305.6	12.00	12.00	0.00
11,530.9	90.00	359.53	11,250.0	298.4	277.1	311.4	12.00	12.00	0.00
11,600.0	90.00	359.53	11,250.0	367.6	276.5	380.5	0.00	0.00	0.00
11,700.0	90.00	359.53	11,250.0	467.6	275.7	480.3	0.00	0.00	0.00
11,800.0	90.00	359.53	11,250.0	567.6	274.9	580.2	0.00	0.00	0.00
11,900.0	90.00	359.53	11,250.0	667.6	274.1	680.0	0.00	0.00	0.00
12,000.0	90.00	359.53	11,250.0	767.6	273.3	779.8	0.00	0.00	0.00
12,100.0	90.00	359.53	11,250.0	867.6	272.4	879.7	0.00	0.00	0.00
12,200.0	90.00	359.53	11,250.0	967.6	271.6	979.5	0.00	0.00	0.00
12,300.0	90.00	359.53	11,250.0	1,067.6	270.8	1,079.4	0.00	0.00	0.00
12,400.0	90.00	359.53	11,250.0	1,167.6	270.0	1,179.2	0.00	0.00	0.00
12,500.0	90.00	359.53	11,250.0	1,267.5	269.2	1,279.0	0.00	0.00	0.00
12,600.0	90.00	359.53	11,250.0	1,367.5	268.3	1,378.9	0.00	0.00	0.00
12,700.0	90.00	359.53	11,250.0	1,467.5	267.5	1,478.7	0.00	0.00	0.00
12,800.0	90.00	359.53	11,250.0	1,567.5	266.7	1,578.6	0.00	0.00	0.00
12,900.0	90.00	359.53	11,250.0	1,667.5	265.9	1,678.4	0.00	0.00	0.00
13,000.0	90.00	359.53	11,250.0	1,767.5	265.1	1,778.2	0.00	0.00	0.00
13,100.0	90.00	359.53	11,250.0	1,867.5	264.3	1,878.1	0.00	0.00	0.00
13,200.0	90.00	359.53	11,250.0	1,967.5	263.4	1,977.9	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
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Site: Della 29 Fed Com
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Local Co-ordinate Reference: Well #603H
TVD Reference: KB = 25 @ 3741.0usft
MD Reference: KB = 25 @ 3741.0usft
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)
13,300.0	90.00	359.53	11,250.0	2,067.5	262.6	2,077.8	0.00	0.00	0.00
13,400.0	90.00	359.53	11,250.0	2,167.5	261.8	2,177.6	0.00	0.00	0.00
13,500.0	90.00	359.53	11,250.0	2,267.5	261.0	2,277.5	0.00	0.00	0.00
13,600.0	90.00	359.53	11,250.0	2,367.5	260.2	2,377.3	0.00	0.00	0.00
13,700.0	90.00	359.53	11,250.0	2,467.5	259.3	2,477.1	0.00	0.00	0.00
13,800.0	90.00	359.53	11,250.0	2,567.5	258.5	2,577.0	0.00	0.00	0.00
13,900.0	90.00	359.53	11,250.0	2,667.5	257.7	2,676.8	0.00	0.00	0.00
14,000.0	90.00	359.53	11,250.0	2,767.5	256.9	2,776.7	0.00	0.00	0.00
14,100.0	90.00	359.53	11,250.0	2,867.5	256.1	2,876.5	0.00	0.00	0.00
14,200.0	90.00	359.53	11,250.0	2,967.5	255.3	2,976.3	0.00	0.00	0.00
14,300.0	90.00	359.53	11,250.0	3,067.5	254.4	3,076.2	0.00	0.00	0.00
14,400.0	90.00	359.53	11,250.0	3,167.5	253.6	3,176.0	0.00	0.00	0.00
14,500.0	90.00	359.53	11,250.0	3,267.5	252.8	3,275.9	0.00	0.00	0.00
14,600.0	90.00	359.53	11,250.0	3,367.5	252.0	3,375.7	0.00	0.00	0.00
14,700.0	90.00	359.53	11,250.0	3,467.5	251.2	3,475.5	0.00	0.00	0.00
14,800.0	90.00	359.53	11,250.0	3,567.5	250.4	3,575.4	0.00	0.00	0.00
14,900.0	90.00	359.53	11,250.0	3,667.5	249.5	3,675.2	0.00	0.00	0.00
15,000.0	90.00	359.53	11,250.0	3,767.5	248.7	3,775.1	0.00	0.00	0.00
15,100.0	90.00	359.53	11,250.0	3,867.5	247.9	3,874.9	0.00	0.00	0.00
15,200.0	90.00	359.53	11,250.0	3,967.5	247.1	3,974.8	0.00	0.00	0.00
15,300.0	90.00	359.53	11,250.0	4,067.5	246.3	4,074.6	0.00	0.00	0.00
15,400.0	90.00	359.53	11,250.0	4,167.5	245.4	4,174.4	0.00	0.00	0.00
15,500.0	90.00	359.53	11,250.0	4,267.4	244.6	4,274.3	0.00	0.00	0.00
15,600.0	90.00	359.53	11,250.0	4,367.4	243.8	4,374.1	0.00	0.00	0.00
15,700.0	90.00	359.53	11,250.0	4,467.4	243.0	4,474.0	0.00	0.00	0.00
15,800.0	90.00	359.53	11,250.0	4,567.4	242.2	4,573.8	0.00	0.00	0.00
15,900.0	90.00	359.53	11,250.0	4,667.4	241.4	4,673.6	0.00	0.00	0.00
16,000.0	90.00	359.53	11,250.0	4,767.4	240.5	4,773.5	0.00	0.00	0.00
16,100.0	90.00	359.53	11,250.0	4,867.4	239.7	4,873.3	0.00	0.00	0.00
16,187.6	90.00	359.53	11,250.0	4,955.0	239.0	4,960.8	0.00	0.00	0.00
PBHL (Della 29 Fed Com #603H)									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP (Della 29 Fed Com - plan hits target center - Point	0.00	0.00	10,772.5	-179.0	281.0	559,911.00	773,076.00	32° 32' 13.218 N	103° 34' 52.876 W
FTP (Della 29 Fed Com - plan misses target center by 163.4usft at 11180.4usft MD (11127.0 TVD, -21.3 N, 279.7 E) - Point	0.00	0.00	11,250.0	-129.0	281.0	559,961.00	773,076.00	32° 32' 13.712 N	103° 34' 52.872 W
PBHL (Della 29 Fed Cor. - plan hits target center - Point	0.00	0.00	11,250.0	4,955.0	239.0	565,045.00	773,034.00	32° 33' 4.020 N	103° 34' 52.943 W