

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM122622
2. Name of Operator EOG RESOURCES INC		6. If Indian, Allottee or Tribe Name
Contact: STAN WAGNER E-Mail: stan_wagner@eogresources.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 1111 BAGBY SKY LOBBY2 HOUSTON, TX 77002	3b. Phone No. (Include area code) Ph: 432-686-3689	8. Well Name and No. DOGWOOD 23 FED COM 710H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T26S R33E SWSW 195FSL 338FWL 32.022228 N Lat, 103.549019 W Lon		9. API Well No. 30-025-44114-00-X1
		10. Field and Pool or Exploratory Area WC025G09S263327G-UP WOLFCAMP
		11. County or Parish, State LEA 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 APD
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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 recomplete 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 recompletion 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 changes in BHL and a 4-string casing design as attached.

Change BHL to: 100' FNL & 330' FWL NWNW-14-26S-33E

Carlsbad Field Office
OCD Hobbs

All previous COAs still apply. A 10M BOP is required before drilling Production Sec.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #429357 verified by the BLM Well Information System For EOG RESOURCES INC, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 08/07/2018 (18PP1601SE)	
Name (Printed/Typed) STAN WAGNER	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 07/31/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>/s/ Zola Stevens</u>	Petroleum Engineer	Date <u>8-9-18</u>
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.	Carlsbad Field Office	

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

K2

District I
1625 N French Dr., Hobbs, NM 88240
Phone (575) 393-6101 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 30-025-44114		² Pool Code 98097	³ Pool Name Sanders Tank; Upper Wolfcamp
⁴ Property Code 319664	⁵ Property Name DOGWOOD 23 FED COM		⁶ Well Number #710H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3287'

¹⁰Surface Location

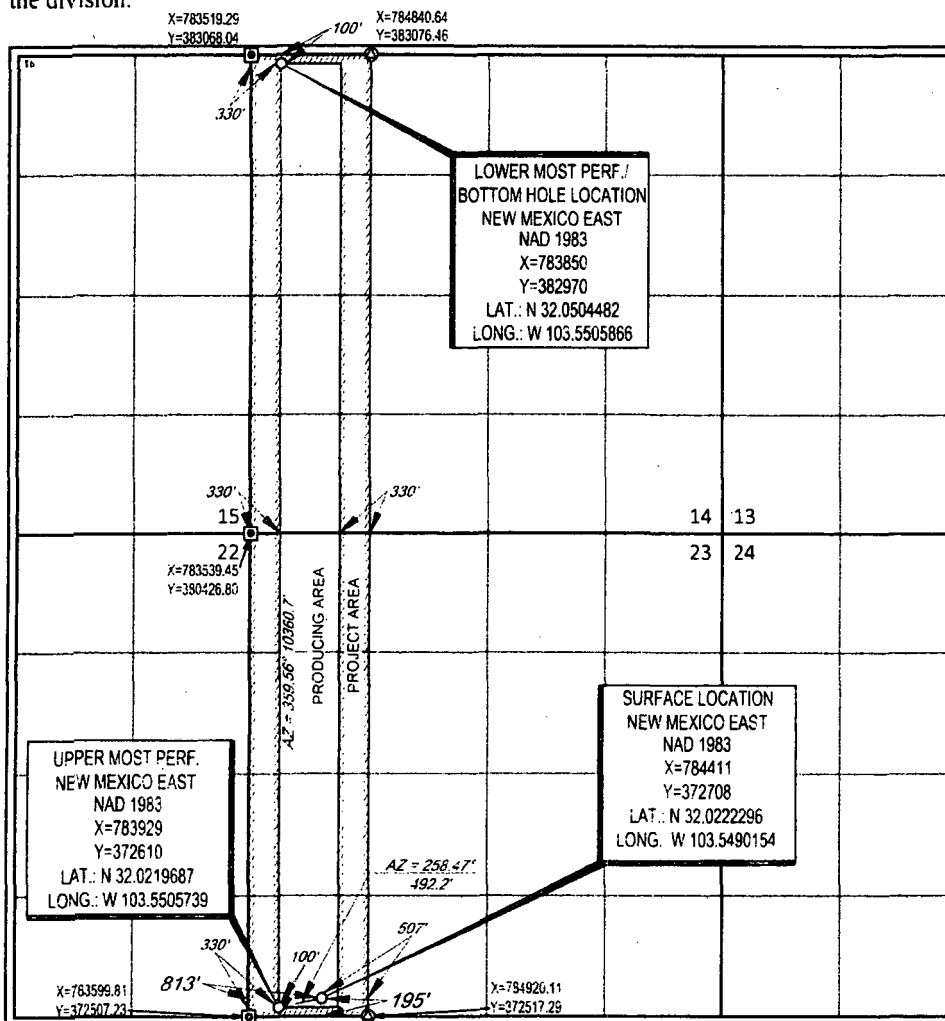
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	23	26-S	33-E	-	195'	SOUTH	813'	WEST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	14	26-S	33-E	-	100'	NORTH	330'	WEST	LEA

¹² Dedicated Acres 320.00	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 an 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.

7/30/18

Signature Date

Stan Wagner

Printed Name

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 Signature and

Professional Surveyor

18329

Certificate Number

Intent ☒ As Drilled ☐

API # 30-025-44114			
Operator Name: EOG Resources, Inc.		Property Name: Dogwood 23 Fed Com	Well Number 710H

Kick Off Point (KOP)

UL M	Section 23	Township 26S	Range 33E	Lot	Feet	From N/S	Feet	From E/W	County Lea
Latitude					Longitude				NAD

First Take Point (FTP)

UL M	Section 23	Township 26S	Range 33E	Lot	Feet 100	From N/S South	Feet 330	From E/W West	County Lea
Latitude N 32.0219687					Longitude W -103.5505739				NAD 83

Last Take Point (LTP)

UL D	Section 14	Township 26S	Range 33E	Lot	Feet 100	From N/S North	Feet 330	From E/W West	County Lea
Latitude N 32.0504482					Longitude W -103.5505866				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐ No

Is this well an infill well? ☐ Yes

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

API # 30-025-44100			
Operator Name: EOG Resources, Inc.		Property Name: Dogwood 23 Fed Com	Well Number 709H

KZ 06/29/2018

Revised Permit Information 7/27/18:

Well Name: Dogwood 23 Fed Com No. 710H

Location:

SL: 195' FSL & 813' FWL, Section 23, T-26-S, R-33-E, Lea Co., N.M.

BHL: 100' FNL & 330' FWL, Section 14, T-26-S, R-33-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 – 1,020'	13.375"	54.5#	J55	LTC	1.125	1.25	1.60
12.25"	0 – 3,850'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	3,850' – 4,850'	9.625"	40#	HCK55	LTC	1.125	1.25	1.60
8.75"	0 – 11,525'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0' – 11,025'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.60
6.75"	11,025'–22,718'	5.5"	20#	P-110EC	VAM SFC	1.125	1.25	1.60

Variance is requested to wave the centralizer requirements for the 7-5/8" FJ casing in the 8-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to wave any centralizer requirements for the 5-1/2" FJ casing in the 6-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive the annular clearance requirements for the 5-1/2" casing by 7-5/8" casing annulus to the proposed top of cement.

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Mix Water Gal/sk	Slurry Description
13-3/8" 1,010'	600	13.5	1.73	9.13	Lead: Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	200	14.8	1.34	6.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
9-5/8" 4,850'	1780	12.7	2.20	11.64	Lead: Class C + 0.15% C-20 + 11.63 pps Salt + 0.1% C-51 + 0.75% C-41P (TOC @ Surface)
	200	16.0	1.12	4.75	Tail: Class C + 0.13% C-20
7-5/8" 11,525'	340	11.5	2.72	15.70	Lead: Class C + 0.40% D013 + 0.20% D046 + 0.10% D065 + 0.20% D167 (TOC @ 4,350')
	210	16.0	1.12	4.74	Tail: Class H + 94.0 pps D909 + 0.25% D065 + 0.30% D167 + 0.02% D208 + 0.15% D800
5-1/2" 22,718'	950	14.1	1.26	5.80	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 11,025')

Mud Program:

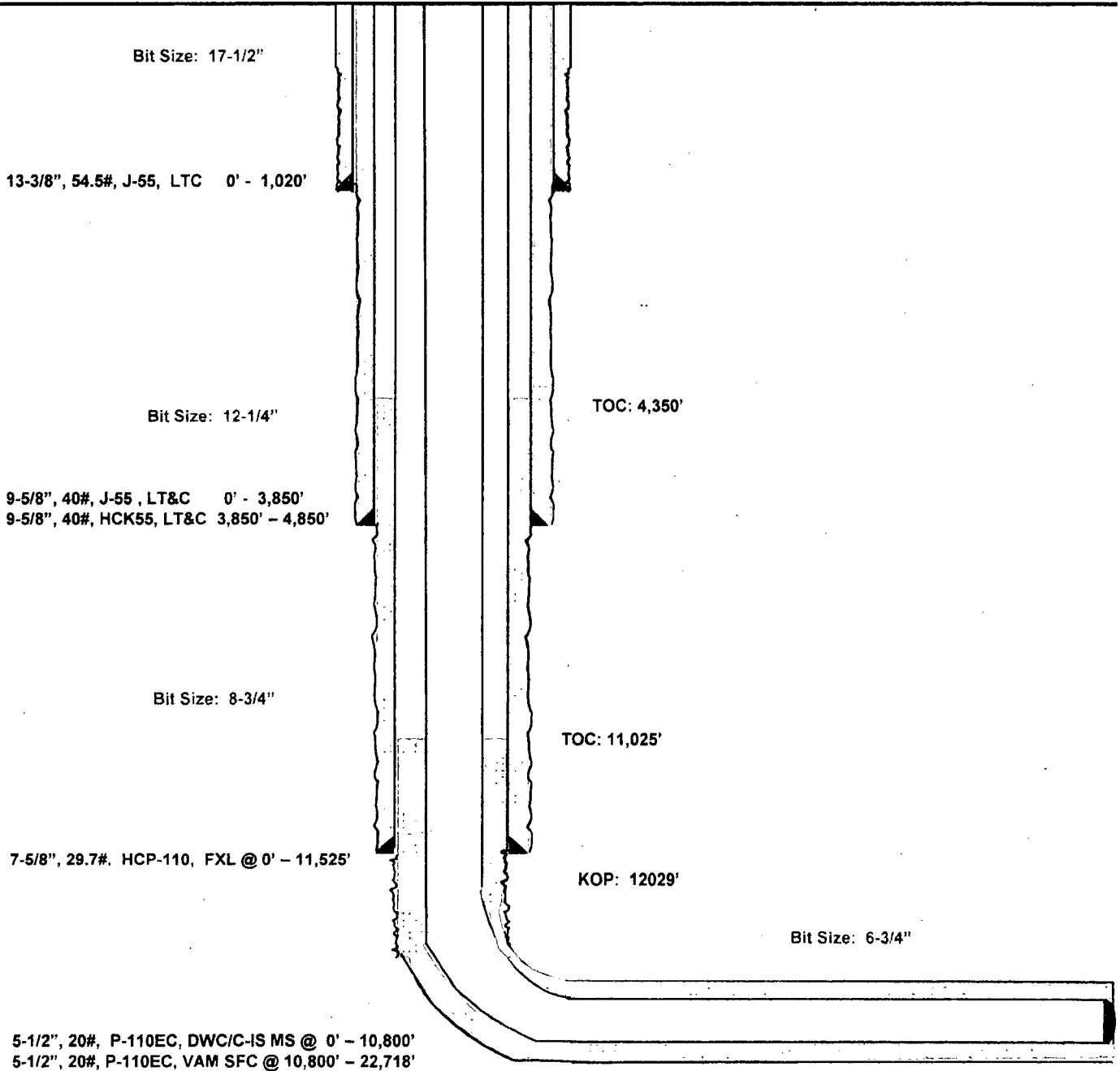
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,010'	Fresh - Gel	8.6-8.8	28-34	N/c
1,010' – 4,850'	Brine	10.0-10.2	28-34	N/c
4,850' – 11,525'	Oil Base	8.7-9.4	58-68	N/c - 6
11,525' – 22,718' Lateral	Oil Base	10.0-14.0	58-68	3 - 6

Dogwood 23 Fed Com #710H

195' FSL
813' FWL
Section 23
T-26-S, R-33-E

Lea County, New Mexico
Proposed Wellbore
Revised 7/27/18
API: 30-025-44114

KB: 3,312'
GL: 3,287'



Lateral: 22,718' MD, 12,500' TVD
Upper Most Perf:
100' FSL & 330' FWL Sec. 23
Lower Most Perf:
100' FNL & 330' FWL Sec. 14
BH Location: 100' FNL & 330' FWL
Section 14
T-26-S, R-33-E



Lea County, NM (NAD 83 NME)

Dogwood 23 Fed Com #710H

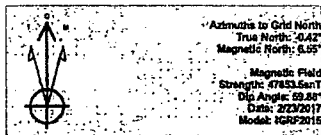
Plan #0.2

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

WELL DETAILS: #710H

Ground Level: 3287.0
KB= 25' @ 3312.0'ush
Northing: 372708.00 Easting: 784411.00 Latitude: 32° 1' 20.025 N Longitude: 103° 32' 56.480 W



To convert a Magnetic Direction to a Grid Direction: Add 0.42°
To convert a Magnetic Direction to a True Direction: Add 5.90° East
To convert a True Direction to a Grid Direction: Subtract 0.42°

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	
2	4000.0	0.00	0.00	4000.0	0.0	0.00	0.00	0.0	
3	4347.1	3.47	252.27	4346.9	-3.2	-10.0	1.00	252.27	-2.7
4	12029.1	3.47	252.27	12014.8	-144.9	-453.0	0.00	0.00	-119.9
5	12787.7	90.00	359.56	12500.0	332.3	-484.7	12.00	107.26	358.3
6	22717.7	90.00	359.56	12500.0	10262.0	-561.0	0.00	0.00	10277.3

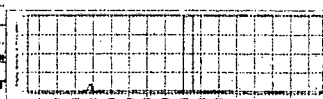
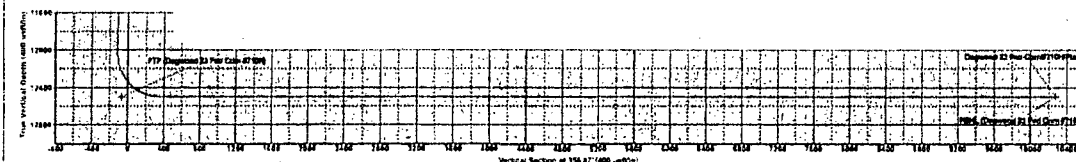
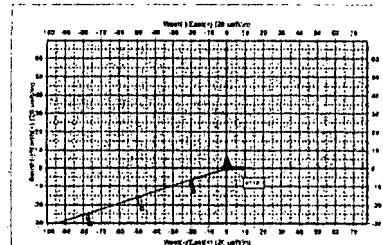
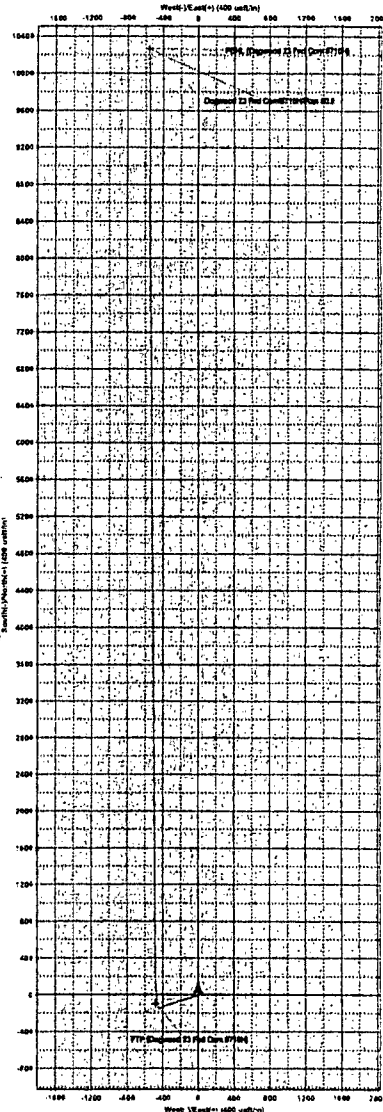
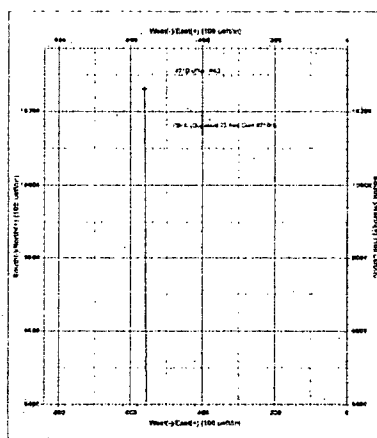
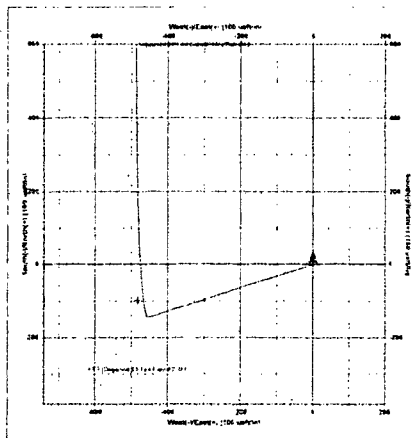
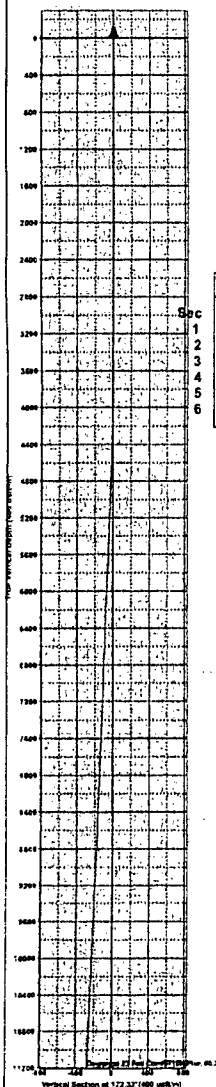
PBHL (Dogwood 23 Fed Com #710H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (Dogwood 23 Fed Com #710H)	12500.0	-95.0	-482.0	372710.00	783829.00
PBHL (Dogwood 23 Fed Com #710H)	12500.0	10262.0	-561.0	382970.00	783836.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Dogwood 23 Fed Com

#710H

OH

Plan: Plan #0.2

Standard Planning Report

27 July, 2018



Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Dogwood 23 Fed Com
Well: #710H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method: Minimum Curvature

Well #710H
 KB= 25' @ 3312.0usft
 KB= 25' @ 3312.0usft
 Grid
 Minimum Curvature

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	Dogwood 23 Fed Com		
Site Position:	Northing:	372,741.00 usft	Latitude: 32° 1' 20.069 N
From: Map	Easting:	788,311.00 usft	Longitude: 103° 32' 11.158 W
Position Uncertainty:	0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.42 °

Well	#710H		
Well Position	+N/-S	-33.0 usft	Northing: 372,708.00 usft
	+E/-W	-3,900.0 usft	Easting: 784,411.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Ground Level:	3,287.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	2/23/2017	(°)
			6.96
			59.88
			47,853.47490185

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
			(°)
			356.87

Plan Survey Tool Program	Date 7/27/2018		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1 0.0	22,717.7	Plan #0.2 (OH)	MWD
			OWSG MWD - Standard

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	
4,347.1	3.47	252.27	4,346.9	-3.2	-10.0	1.00	1.00	0.00	252.27	
12,029.1	3.47	252.27	12,014.8	-144.9	-453.0	0.00	0.00	0.00	0.00	
12,787.7	90.00	359.56	12,500.0	332.3	-484.7	12.00	11.41	14.14	107.26	
22,717.7	90.00	359.56	12,500.0	10,262.0	-561.0	0.00	0.00	0.00	0.00	PBHL (Dogwood 23 F

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Dogwood 23 Fed Com
 Well: #710H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference: Well #710H
 TVD Reference: KB= 25' @ 3312.0usft
 MD Reference: KB= 25' @ 3312.0usft
 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	252.27	4,100.0	-0.3	-0.8	-0.2	1.00	1.00	0.00	
4,200.0	2.00	252.27	4,200.0	-1.1	-3.3	-0.9	1.00	1.00	0.00	
4,300.0	3.00	252.27	4,299.9	-2.4	-7.5	-2.0	1.00	1.00	0.00	
4,347.1	3.47	252.27	4,346.9	-3.2	-10.0	-2.7	1.00	1.00	0.00	
4,400.0	3.47	252.27	4,399.7	-4.2	-13.1	-3.5	0.00	0.00	0.00	
4,500.0	3.47	252.27	4,499.5	-6.0	-18.8	-5.0	0.00	0.00	0.00	
4,600.0	3.47	252.27	4,599.3	-7.9	-24.6	-6.5	0.00	0.00	0.00	
4,700.0	3.47	252.27	4,699.1	-9.7	-30.4	-8.0	0.00	0.00	0.00	
4,800.0	3.47	252.27	4,799.0	-11.6	-36.1	-9.6	0.00	0.00	0.00	
4,900.0	3.47	252.27	4,898.8	-13.4	-41.9	-11.1	0.00	0.00	0.00	
5,000.0	3.47	252.27	4,998.6	-15.2	-47.7	-12.6	0.00	0.00	0.00	
5,100.0	3.47	252.27	5,098.4	-17.1	-53.4	-14.1	0.00	0.00	0.00	
5,200.0	3.47	252.27	5,198.2	-18.9	-59.2	-15.7	0.00	0.00	0.00	

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Dogwood 23 Fed Com
Well: #710H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #710H
TVD Reference: KB= 25' @ 3312.0usft
MD Reference: KB= 25' @ 3312.0usft
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	3.47	252.27	5,298.0	-20.8	-65.0	-17.2	0.00	0.00	0.00
5,400.0	3.47	252.27	5,397.9	-22.6	-70.7	-18.7	0.00	0.00	0.00
5,500.0	3.47	252.27	5,497.7	-24.5	-76.5	-20.3	0.00	0.00	0.00
5,600.0	3.47	252.27	5,597.5	-26.3	-82.3	-21.8	0.00	0.00	0.00
5,700.0	3.47	252.27	5,697.3	-28.2	-88.0	-23.3	0.00	0.00	0.00
5,800.0	3.47	252.27	5,797.1	-30.0	-93.8	-24.8	0.00	0.00	0.00
5,900.0	3.47	252.27	5,896.9	-31.8	-99.6	-26.4	0.00	0.00	0.00
6,000.0	3.47	252.27	5,996.8	-33.7	-105.3	-27.9	0.00	0.00	0.00
6,100.0	3.47	252.27	6,096.6	-35.5	-111.1	-29.4	0.00	0.00	0.00
6,200.0	3.47	252.27	6,196.4	-37.4	-116.9	-30.9	0.00	0.00	0.00
6,300.0	3.47	252.27	6,296.2	-39.2	-122.6	-32.5	0.00	0.00	0.00
6,400.0	3.47	252.27	6,396.0	-41.1	-128.4	-34.0	0.00	0.00	0.00
6,500.0	3.47	252.27	6,495.8	-42.9	-134.2	-35.5	0.00	0.00	0.00
6,600.0	3.47	252.27	6,595.7	-44.7	-139.9	-37.0	0.00	0.00	0.00
6,700.0	3.47	252.27	6,695.5	-46.6	-145.7	-38.6	0.00	0.00	0.00
6,800.0	3.47	252.27	6,795.3	-48.4	-151.5	-40.1	0.00	0.00	0.00
6,900.0	3.47	252.27	6,895.1	-50.3	-157.2	-41.6	0.00	0.00	0.00
7,000.0	3.47	252.27	6,994.9	-52.1	-163.0	-43.1	0.00	0.00	0.00
7,100.0	3.47	252.27	7,094.7	-54.0	-168.8	-44.7	0.00	0.00	0.00
7,200.0	3.47	252.27	7,194.6	-55.8	-174.5	-46.2	0.00	0.00	0.00
7,300.0	3.47	252.27	7,294.4	-57.7	-180.3	-47.7	0.00	0.00	0.00
7,400.0	3.47	252.27	7,394.2	-59.5	-186.1	-49.3	0.00	0.00	0.00
7,500.0	3.47	252.27	7,494.0	-61.3	-191.8	-50.8	0.00	0.00	0.00
7,600.0	3.47	252.27	7,593.8	-63.2	-197.6	-52.3	0.00	0.00	0.00
7,700.0	3.47	252.27	7,693.6	-65.0	-203.4	-53.8	0.00	0.00	0.00
7,800.0	3.47	252.27	7,793.5	-66.9	-209.1	-55.4	0.00	0.00	0.00
7,900.0	3.47	252.27	7,893.3	-68.7	-214.9	-56.9	0.00	0.00	0.00
8,000.0	3.47	252.27	7,993.1	-70.6	-220.6	-58.4	0.00	0.00	0.00
8,100.0	3.47	252.27	8,092.9	-72.4	-226.4	-59.9	0.00	0.00	0.00
8,200.0	3.47	252.27	8,192.7	-74.3	-232.2	-61.5	0.00	0.00	0.00
8,300.0	3.47	252.27	8,292.5	-76.1	-237.9	-63.0	0.00	0.00	0.00
8,400.0	3.47	252.27	8,392.4	-77.9	-243.7	-64.5	0.00	0.00	0.00
8,500.0	3.47	252.27	8,492.2	-79.8	-249.5	-66.0	0.00	0.00	0.00
8,600.0	3.47	252.27	8,592.0	-81.6	-255.2	-67.6	0.00	0.00	0.00
8,700.0	3.47	252.27	8,691.8	-83.5	-261.0	-69.1	0.00	0.00	0.00
8,800.0	3.47	252.27	8,791.6	-85.3	-266.8	-70.6	0.00	0.00	0.00
8,900.0	3.47	252.27	8,891.4	-87.2	-272.5	-72.2	0.00	0.00	0.00
9,000.0	3.47	252.27	8,991.3	-89.0	-278.3	-73.7	0.00	0.00	0.00
9,100.0	3.47	252.27	9,091.1	-90.8	-284.1	-75.2	0.00	0.00	0.00
9,200.0	3.47	252.27	9,190.9	-92.7	-289.8	-76.7	0.00	0.00	0.00
9,300.0	3.47	252.27	9,290.7	-94.5	-295.6	-78.3	0.00	0.00	0.00
9,400.0	3.47	252.27	9,390.5	-96.4	-301.4	-79.8	0.00	0.00	0.00
9,500.0	3.47	252.27	9,490.3	-98.2	-307.1	-81.3	0.00	0.00	0.00
9,600.0	3.47	252.27	9,590.2	-100.1	-312.9	-82.8	0.00	0.00	0.00
9,700.0	3.47	252.27	9,690.0	-101.9	-318.7	-84.4	0.00	0.00	0.00
9,800.0	3.47	252.27	9,789.8	-103.8	-324.4	-85.9	0.00	0.00	0.00
9,900.0	3.47	252.27	9,889.6	-105.6	-330.2	-87.4	0.00	0.00	0.00
10,000.0	3.47	252.27	9,989.4	-107.4	-336.0	-88.9	0.00	0.00	0.00
10,100.0	3.47	252.27	10,089.2	-109.3	-341.7	-90.5	0.00	0.00	0.00
10,200.0	3.47	252.27	10,189.1	-111.1	-347.5	-92.0	0.00	0.00	0.00
10,300.0	3.47	252.27	10,288.9	-113.0	-353.3	-93.5	0.00	0.00	0.00
10,400.0	3.47	252.27	10,388.7	-114.8	-359.0	-95.1	0.00	0.00	0.00
10,500.0	3.47	252.27	10,488.5	-116.7	-364.8	-96.6	0.00	0.00	0.00
10,600.0	3.47	252.27	10,588.3	-118.5	-370.6	-98.1	0.00	0.00	0.00

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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)
10.700.0	3.47	252.27	10.688.1	-120.4	-376.3	-99.6	0.00	0.00	0.00
10.800.0	3.47	252.27	10.788.0	-122.2	-382.1	-101.2	0.00	0.00	0.00
10.900.0	3.47	252.27	10.887.8	-124.0	-387.9	-102.7	0.00	0.00	0.00
11.000.0	3.47	252.27	10.987.6	-125.9	-393.6	-104.2	0.00	0.00	0.00
11.100.0	3.47	252.27	11.087.4	-127.7	-399.4	-105.7	0.00	0.00	0.00
11.200.0	3.47	252.27	11.187.2	-129.6	-405.2	-107.3	0.00	0.00	0.00
11.300.0	3.47	252.27	11.287.0	-131.4	-410.9	-108.8	0.00	0.00	0.00
11.400.0	3.47	252.27	11.386.9	-133.3	-416.7	-110.3	0.00	0.00	0.00
11.500.0	3.47	252.27	11.486.7	-135.1	-422.5	-111.8	0.00	0.00	0.00
11.600.0	3.47	252.27	11.586.5	-137.0	-428.2	-113.4	0.00	0.00	0.00
11.700.0	3.47	252.27	11.686.3	-138.8	-434.0	-114.9	0.00	0.00	0.00
11.800.0	3.47	252.27	11.786.1	-140.6	-439.8	-116.4	0.00	0.00	0.00
11.900.0	3.47	252.27	11.885.9	-142.5	-445.5	-118.0	0.00	0.00	0.00
12.000.0	3.47	252.27	11.985.8	-144.3	-451.3	-119.5	0.00	0.00	0.00
12.029.1	3.47	252.27	12.014.8	-144.9	-453.0	-119.9	0.00	0.00	0.00
12.050.0	3.63	293.67	12.035.7	-144.8	-454.2	-119.8	12.00	0.76	197.69
12.075.0	5.57	323.15	12.060.6	-143.5	-455.6	-118.4	12.00	7.77	117.93
12.100.0	8.18	335.80	12.085.4	-140.9	-457.1	-115.7	12.00	10.43	50.61
12.125.0	10.99	342.21	12.110.1	-137.0	-458.6	-111.8	12.00	11.23	25.63
12.150.0	13.88	346.00	12.134.5	-131.8	-460.0	-106.5	12.00	11.55	15.18
12.175.0	16.80	348.50	12.158.6	-125.4	-461.5	-100.0	12.00	11.71	10.01
12.200.0	19.75	350.28	12.182.3	-117.7	-462.9	-92.2	12.00	11.79	7.10
12.225.0	22.71	351.61	12.205.6	-108.7	-464.3	-83.2	12.00	11.85	5.32
12.250.0	25.68	352.64	12.228.4	-98.6	-465.7	-73.0	12.00	11.88	4.14
12.275.0	28.66	353.48	12.250.6	-87.3	-467.1	-61.6	12.00	11.90	3.34
12.300.0	31.64	354.17	12.272.3	-74.8	-468.4	-49.1	12.00	11.92	2.76
12.325.0	34.62	354.75	12.293.2	-61.2	-469.7	-35.4	12.00	11.93	2.33
12.350.0	37.61	355.25	12.313.4	-46.5	-471.0	-20.7	12.00	11.94	2.00
12.375.0	40.59	355.69	12.332.8	-30.8	-472.3	-5.0	12.00	11.95	1.75
12.400.0	43.58	356.07	12.351.3	-14.1	-473.5	11.8	12.00	11.96	1.55
12.425.0	46.57	356.42	12.369.0	3.6	-474.6	29.5	12.00	11.96	1.39
12.450.0	49.56	356.73	12.385.7	22.1	-475.7	48.1	12.00	11.96	1.25
12.475.0	52.56	357.02	12.401.4	41.6	-476.8	67.5	12.00	11.97	1.15
12.500.0	55.55	357.28	12.416.1	61.8	-477.8	87.8	12.00	11.97	1.06
12.525.0	58.54	357.53	12.429.7	82.7	-478.8	108.7	12.00	11.97	0.99
12.550.0	61.53	357.76	12.442.2	104.4	-479.6	130.4	12.00	11.97	0.92
12.575.0	64.53	357.98	12.453.5	126.6	-480.5	152.7	12.00	11.97	0.87
12.600.0	67.52	358.19	12.463.7	149.5	-481.2	175.5	12.00	11.98	0.83
12.625.0	70.52	358.39	12.472.6	172.8	-481.9	198.8	12.00	11.98	0.80
12.650.0	73.51	358.58	12.480.3	196.6	-482.6	222.6	12.00	11.98	0.77
12.675.0	76.50	358.76	12.486.8	220.7	-483.1	246.7	12.00	11.98	0.74
12.700.0	79.50	358.95	12.492.0	245.1	-483.6	271.2	12.00	11.98	0.73
12.725.0	82.49	359.12	12.495.9	269.8	-484.0	295.8	12.00	11.98	0.71
12.750.0	85.49	359.30	12.498.5	294.7	-484.4	320.7	12.00	11.98	0.70
12.775.0	88.48	359.47	12.499.8	319.6	-484.6	345.6	12.00	11.98	0.70
12.787.7	90.00	359.56	12.500.0	332.3	-484.7	358.3	12.00	11.98	0.69
12.800.0	90.00	359.56	12.500.0	344.6	-484.8	370.6	0.00	0.00	0.00
12.900.0	90.00	359.56	12.500.0	444.6	-485.6	470.5	0.00	0.00	0.00
13.000.0	90.00	359.56	12.500.0	544.6	-486.4	570.4	0.00	0.00	0.00
13.100.0	90.00	359.56	12.500.0	644.6	-487.1	670.3	0.00	0.00	0.00
13.200.0	90.00	359.56	12.500.0	744.6	-487.9	770.2	0.00	0.00	0.00
13.300.0	90.00	359.56	12.500.0	844.6	-488.7	870.0	0.00	0.00	0.00
13.400.0	90.00	359.56	12.500.0	944.6	-489.4	969.9	0.00	0.00	0.00
13.500.0	90.00	359.56	12.500.0	1,044.6	-490.2	1,069.8	0.00	0.00	0.00

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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	359.56	12,500.0	1,144.6	-491.0	1,169.7	0.00	0.00	0.00
13,700.0	90.00	359.56	12,500.0	1,244.6	-491.8	1,269.6	0.00	0.00	0.00
13,800.0	90.00	359.56	12,500.0	1,344.6	-492.5	1,369.5	0.00	0.00	0.00
13,900.0	90.00	359.56	12,500.0	1,444.6	-493.3	1,469.4	0.00	0.00	0.00
14,000.0	90.00	359.56	12,500.0	1,544.6	-494.1	1,569.3	0.00	0.00	0.00
14,100.0	90.00	359.56	12,500.0	1,644.6	-494.8	1,669.2	0.00	0.00	0.00
14,200.0	90.00	359.56	12,500.0	1,744.6	-495.6	1,769.1	0.00	0.00	0.00
14,300.0	90.00	359.56	12,500.0	1,844.6	-496.4	1,868.9	0.00	0.00	0.00
14,400.0	90.00	359.56	12,500.0	1,944.6	-497.1	1,968.8	0.00	0.00	0.00
14,500.0	90.00	359.56	12,500.0	2,044.6	-497.9	2,068.7	0.00	0.00	0.00
14,600.0	90.00	359.56	12,500.0	2,144.6	-498.7	2,168.6	0.00	0.00	0.00
14,700.0	90.00	359.56	12,500.0	2,244.6	-499.4	2,268.5	0.00	0.00	0.00
14,800.0	90.00	359.56	12,500.0	2,344.6	-500.2	2,368.4	0.00	0.00	0.00
14,900.0	90.00	359.56	12,500.0	2,444.6	-501.0	2,468.3	0.00	0.00	0.00
15,000.0	90.00	359.56	12,500.0	2,544.6	-501.7	2,568.2	0.00	0.00	0.00
15,100.0	90.00	359.56	12,500.0	2,644.6	-502.5	2,668.1	0.00	0.00	0.00
15,200.0	90.00	359.56	12,500.0	2,744.6	-503.3	2,767.9	0.00	0.00	0.00
15,300.0	90.00	359.56	12,500.0	2,844.6	-504.0	2,867.8	0.00	0.00	0.00
15,400.0	90.00	359.56	12,500.0	2,944.6	-504.8	2,967.7	0.00	0.00	0.00
15,500.0	90.00	359.56	12,500.0	3,044.6	-505.6	3,067.6	0.00	0.00	0.00
15,600.0	90.00	359.56	12,500.0	3,144.6	-506.3	3,167.5	0.00	0.00	0.00
15,700.0	90.00	359.56	12,500.0	3,244.6	-507.1	3,267.4	0.00	0.00	0.00
15,800.0	90.00	359.56	12,500.0	3,344.6	-507.9	3,367.3	0.00	0.00	0.00
15,900.0	90.00	359.56	12,500.0	3,444.5	-508.6	3,467.2	0.00	0.00	0.00
16,000.0	90.00	359.56	12,500.0	3,544.5	-509.4	3,567.1	0.00	0.00	0.00
16,100.0	90.00	359.56	12,500.0	3,644.5	-510.2	3,667.0	0.00	0.00	0.00
16,200.0	90.00	359.56	12,500.0	3,744.5	-510.9	3,766.8	0.00	0.00	0.00
16,300.0	90.00	359.56	12,500.0	3,844.5	-511.7	3,866.7	0.00	0.00	0.00
16,400.0	90.00	359.56	12,500.0	3,944.5	-512.5	3,966.6	0.00	0.00	0.00
16,500.0	90.00	359.56	12,500.0	4,044.5	-513.3	4,066.5	0.00	0.00	0.00
16,600.0	90.00	359.56	12,500.0	4,144.5	-514.0	4,166.4	0.00	0.00	0.00
16,700.0	90.00	359.56	12,500.0	4,244.5	-514.8	4,266.3	0.00	0.00	0.00
16,800.0	90.00	359.56	12,500.0	4,344.5	-515.6	4,366.2	0.00	0.00	0.00
16,900.0	90.00	359.56	12,500.0	4,444.5	-516.3	4,466.1	0.00	0.00	0.00
17,000.0	90.00	359.56	12,500.0	4,544.5	-517.1	4,566.0	0.00	0.00	0.00
17,100.0	90.00	359.56	12,500.0	4,644.5	-517.9	4,665.9	0.00	0.00	0.00
17,200.0	90.00	359.56	12,500.0	4,744.5	-518.6	4,765.7	0.00	0.00	0.00
17,300.0	90.00	359.56	12,500.0	4,844.5	-519.4	4,865.6	0.00	0.00	0.00
17,400.0	90.00	359.56	12,500.0	4,944.5	-520.2	4,965.5	0.00	0.00	0.00
17,500.0	90.00	359.56	12,500.0	5,044.5	-520.9	5,065.4	0.00	0.00	0.00
17,600.0	90.00	359.56	12,500.0	5,144.5	-521.7	5,165.3	0.00	0.00	0.00
17,700.0	90.00	359.56	12,500.0	5,244.5	-522.5	5,265.2	0.00	0.00	0.00
17,800.0	90.00	359.56	12,500.0	5,344.5	-523.2	5,365.1	0.00	0.00	0.00
17,900.0	90.00	359.56	12,500.0	5,444.5	-524.0	5,465.0	0.00	0.00	0.00
18,000.0	90.00	359.56	12,500.0	5,544.5	-524.8	5,564.9	0.00	0.00	0.00
18,100.0	90.00	359.56	12,500.0	5,644.5	-525.5	5,664.8	0.00	0.00	0.00
18,200.0	90.00	359.56	12,500.0	5,744.5	-526.3	5,764.6	0.00	0.00	0.00
18,300.0	90.00	359.56	12,500.0	5,844.5	-527.1	5,864.5	0.00	0.00	0.00
18,400.0	90.00	359.56	12,500.0	5,944.5	-527.8	5,964.4	0.00	0.00	0.00
18,500.0	90.00	359.56	12,500.0	6,044.5	-528.6	6,064.3	0.00	0.00	0.00
18,600.0	90.00	359.56	12,500.0	6,144.5	-529.4	6,164.2	0.00	0.00	0.00
18,700.0	90.00	359.56	12,500.0	6,244.5	-530.1	6,264.1	0.00	0.00	0.00
18,800.0	90.00	359.56	12,500.0	6,344.5	-530.9	6,364.0	0.00	0.00	0.00
18,900.0	90.00	359.56	12,500.0	6,444.5	-531.7	6,463.9	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #710H
Company:	EOG Resources - Midland	TVD Reference:	KB= 25' @ 3312.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB= 25' @ 3312.0usft
Site:	Dogwood 23 Fed Com	North Reference:	Grid
Well:	#710H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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)
19,000.0	90.00	359.56	12,500.0	6,544.5	-532.5	6,563.8	0.00	0.00	0.00
19,100.0	90.00	359.56	12,500.0	6,644.5	-533.2	6,663.7	0.00	0.00	0.00
19,200.0	90.00	359.56	12,500.0	6,744.5	-534.0	6,763.5	0.00	0.00	0.00
19,300.0	90.00	359.56	12,500.0	6,844.4	-534.8	6,863.4	0.00	0.00	0.00
19,400.0	90.00	359.56	12,500.0	6,944.4	-535.5	6,963.3	0.00	0.00	0.00
19,500.0	90.00	359.56	12,500.0	7,044.4	-536.3	7,063.2	0.00	0.00	0.00
19,600.0	90.00	359.56	12,500.0	7,144.4	-537.1	7,163.1	0.00	0.00	0.00
19,700.0	90.00	359.56	12,500.0	7,244.4	-537.8	7,263.0	0.00	0.00	0.00
19,800.0	90.00	359.56	12,500.0	7,344.4	-538.6	7,362.9	0.00	0.00	0.00
19,900.0	90.00	359.56	12,500.0	7,444.4	-539.4	7,462.8	0.00	0.00	0.00
20,000.0	90.00	359.56	12,500.0	7,544.4	-540.1	7,562.7	0.00	0.00	0.00
20,100.0	90.00	359.56	12,500.0	7,644.4	-540.9	7,662.6	0.00	0.00	0.00
20,200.0	90.00	359.56	12,500.0	7,744.4	-541.7	7,762.4	0.00	0.00	0.00
20,300.0	90.00	359.56	12,500.0	7,844.4	-542.4	7,862.3	0.00	0.00	0.00
20,400.0	90.00	359.56	12,500.0	7,944.4	-543.2	7,962.2	0.00	0.00	0.00
20,500.0	90.00	359.56	12,500.0	8,044.4	-544.0	8,062.1	0.00	0.00	0.00
20,600.0	90.00	359.56	12,500.0	8,144.4	-544.7	8,162.0	0.00	0.00	0.00
20,700.0	90.00	359.56	12,500.0	8,244.4	-545.5	8,261.9	0.00	0.00	0.00
20,800.0	90.00	359.56	12,500.0	8,344.4	-546.3	8,361.8	0.00	0.00	0.00
20,900.0	90.00	359.56	12,500.0	8,444.4	-547.0	8,461.7	0.00	0.00	0.00
21,000.0	90.00	359.56	12,500.0	8,544.4	-547.8	8,561.6	0.00	0.00	0.00
21,100.0	90.00	359.56	12,500.0	8,644.4	-548.6	8,661.5	0.00	0.00	0.00
21,200.0	90.00	359.56	12,500.0	8,744.4	-549.3	8,761.3	0.00	0.00	0.00
21,300.0	90.00	359.56	12,500.0	8,844.4	-550.1	8,861.2	0.00	0.00	0.00
21,400.0	90.00	359.56	12,500.0	8,944.4	-550.9	8,961.1	0.00	0.00	0.00
21,500.0	90.00	359.56	12,500.0	9,044.4	-551.6	9,061.0	0.00	0.00	0.00
21,600.0	90.00	359.56	12,500.0	9,144.4	-552.4	9,160.9	0.00	0.00	0.00
21,700.0	90.00	359.56	12,500.0	9,244.4	-553.2	9,260.8	0.00	0.00	0.00
21,800.0	90.00	359.56	12,500.0	9,344.4	-554.0	9,360.7	0.00	0.00	0.00
21,900.0	90.00	359.56	12,500.0	9,444.4	-554.7	9,460.6	0.00	0.00	0.00
22,000.0	90.00	359.56	12,500.0	9,544.4	-555.5	9,560.5	0.00	0.00	0.00
22,100.0	90.00	359.56	12,500.0	9,644.4	-556.3	9,660.4	0.00	0.00	0.00
22,200.0	90.00	359.56	12,500.0	9,744.4	-557.0	9,760.2	0.00	0.00	0.00
22,300.0	90.00	359.56	12,500.0	9,844.4	-557.8	9,860.1	0.00	0.00	0.00
22,400.0	90.00	359.56	12,500.0	9,944.4	-558.6	9,960.0	0.00	0.00	0.00
22,500.0	90.00	359.56	12,500.0	10,044.4	-559.3	10,059.9	0.00	0.00	0.00
22,600.0	90.00	359.56	12,500.0	10,144.4	-560.1	10,159.8	0.00	0.00	0.00
22,700.0	90.00	359.56	12,500.0	10,244.3	-560.9	10,259.7	0.00	0.00	0.00
22,717.7	90.00	359.56	12,500.0	10,262.0	-561.0	10,277.3	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (Dogwood 23 Fed	0.00	0.00	12,500.0	10,262.0	-561.0	382,970.00	783,850.00	32° 3' 1.612 N	103° 33' 2.112 W
- hit/miss target									
- Shape									
- Point									
FTP (Dogwood 23 Fed C	0.00	0.00	12,500.0	-98.0	-482.0	372,610.00	783,929.00	32° 1' 19.090 N	103° 33' 2.066 W
- plan misses target center by 165.3usft at 12437.4usft MD (12377.4 TVD, 12.7 N, -475.2 E)									
- Point									

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Dogwood 23 Fed Com
Well: #710H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #710H
TVD Reference: KB= 25' @ 3312.0usft
MD Reference: KB= 25' @ 3312.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature