

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 30-025-42086	² Pool Code 96682	³ Pool Name Triste Draw; Bone Spring, East
⁴ Property Code 313638	⁵ Property Name HEARNS 27 STATE COM	⁶ Well Number #502H
⁷ OGRID No.	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3480'

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	27	24-S	33-E	-	210'	SOUTH	600'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	34	24-S	33-E	-	230'	SOUTH	820'	WEST	LEA

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.

¹⁶		¹⁷ OPERATOR 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: <u>Stan Wagner</u> Date: <u>9/15/14</u> Printed Name: <u>Stan Wagner</u> E-mail Address: _____	
¹⁸ SURVEYOR 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: <u>08/18/14</u> Signature: <u>Michael Brown</u> Certificate Number: <u>18329</u>		27 26 34 35 3 2	

SEP 18 2014

Revised Permit Information:

Well Name: Hearn's 27 State Com No. 502H

Location:

SL: 210' FSL & 600' FWL, Section 27, T-24-S, R-33-E, Lea Co., N.M.

BHL: 230' FSL & 820' FWL, Section 34, T-24-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 – 1205'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4000' – 5000'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0'-16,273'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
1205'	500	13.5	1.73	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	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
5,000'	800	12.7	2.22	Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free (TOC @ Surface)
	200	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
16,273'	375	10.8	3.67	60:40:0 Class C + 15.0 pps BA-90 + 4% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.80% ASA-301 + 2.55% R-21 + 8.0 pps LCM-1 (TOC @ 4500')
	400	11.8	2.38	50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.40% SMS + 2.0% Salt + 0.30% R-21 + 3.0 pps LCM-1 + 0.25 pps Celloflake
	1300	14.2	1.28	50:50:2 Class H + 0.65% FL-52 + 0.45% CD-32 + 0.10% SMS + 2.0% Salt

Mud Program:

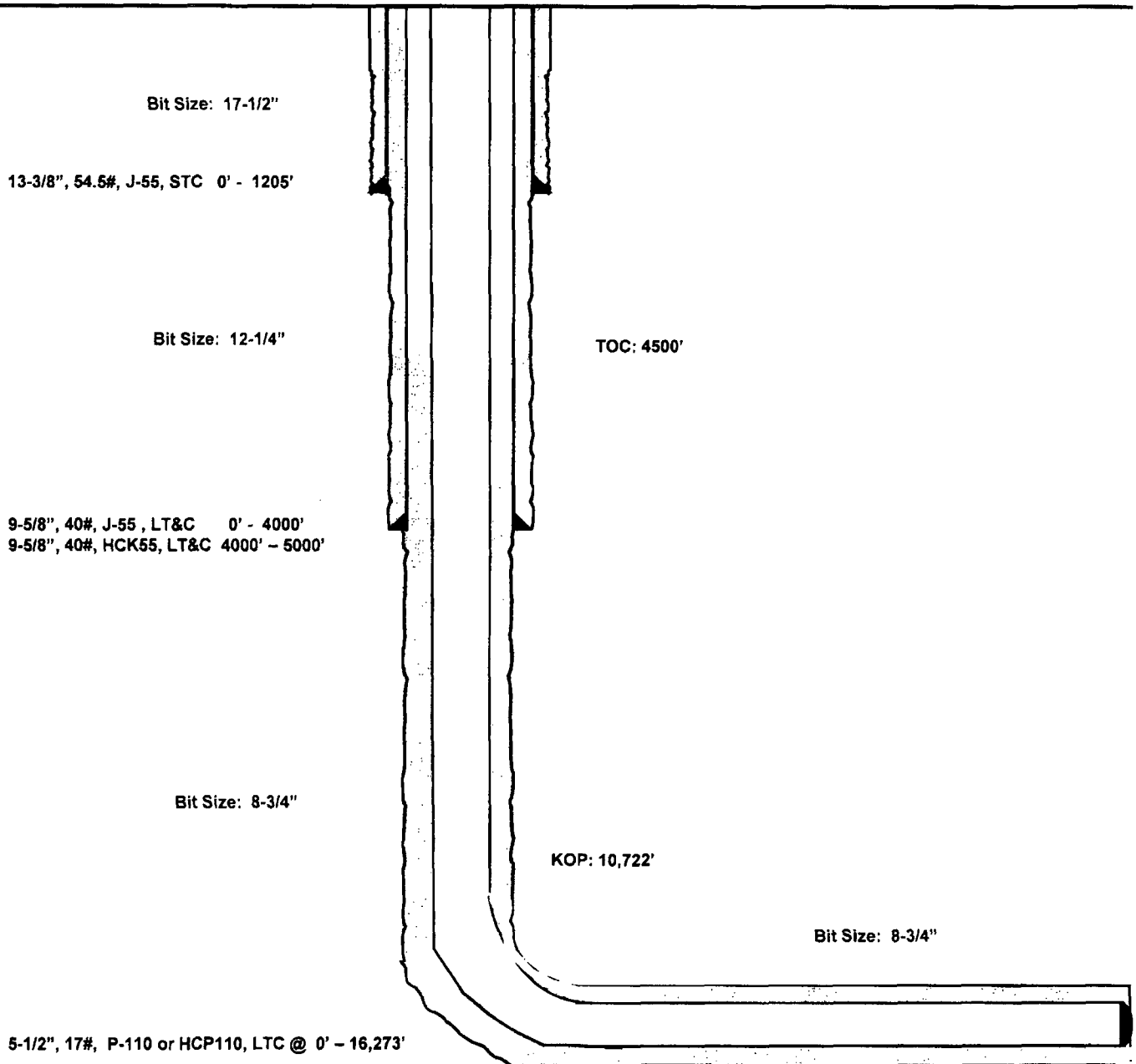
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1205'	Fresh - Gel	8.6-8.8	28-34	N/c
1205' – 5,000'	Brine	10.0-10.2	28-34	N/c
5,000' – 10,722'	Cut Brine	8.4-9.0	28-34	N/c
10,722' – 16,273' Lateral	Cut Brine	9.0-9.5	40-42	8-10

Hearns 27 State Com #502H
Lea County, New Mexico
Revised 9/15/14
Proposed Wellbore

210' FSL
600' FWL
Section 27
T-24-S, R-33-E

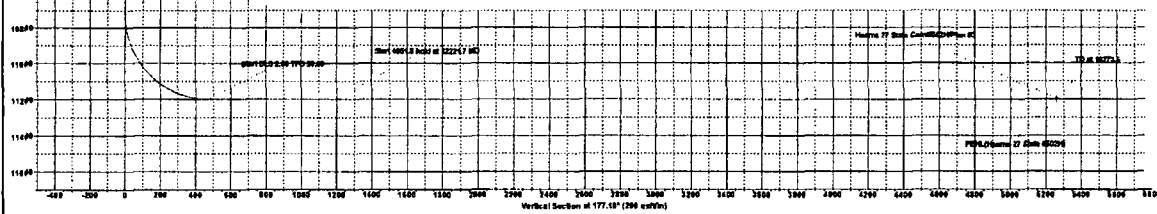
API: 30-025-42086

KB: 3,501'
GL: 3,480'



Lateral: 16,273' MD, 11,200' TVD

BH Location: 230' FSL & 820' FWL
Section 34
T-24-S, R-33-E





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Hearns 27 State Com

#502H

OH

Plan: Plan #3

Standard Planning Report

15 September, 2014



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Hearn 27 State Com
Well: #502H
Wellbore: OH
Design: Plan #3

Local Co-ordinate Reference: Well #502H
TVD Reference: KB = 21 @ 3501.0usft (Nomac 55)
MD Reference: KB = 21 @ 3501.0usft (Nomac 55)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Lea County, NM (NAD 27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Hearn 27 State Com				
Site Position:		Northing:	430,710.00 usft	Latitude:	32° 10' 54.484 N
From:	Map	Easting:	737,910.00 usft	Longitude:	103° 33' 51.687 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41 °

Well	#502H				
Well Position	+N/-S	-5.0 usft	Northing:	430,705.00 usft	Latitude: 32° 10' 54.477 N
	+E/-W	-600.0 usft	Easting:	737,310.00 usft	Longitude: 103° 33' 58.668 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level: 3,480.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF201014	6/23/2014	7.21	60.07	48,289

Design	Plan #3			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	177.18

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	
10,722.5	0.00	0.00	10,722.5	0.0	0.0	0.00	0.00	0.00	0.00	
11,472.5	90.00	164.60	11,200.0	-460.3	126.8	12.00	12.00	0.00	164.60	
12,221.7	90.00	179.58	11,200.0	-1,200.3	229.6	2.00	0.00	2.00	90.00	
16,273.5	90.00	179.58	11,200.0	-5,252.0	259.0	0.00	0.00	0.00	0.00	PBHL(Hearn 27 Stat



EOG Resources, Inc.

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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)
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	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00



EOG Resources, Inc.

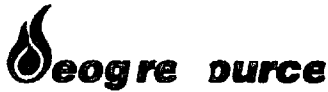
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5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,500.0	0.0	0.0	0.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,600.0	0.0	0.0	0.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,700.0	0.0	0.0	0.0	0.00	0.00	0.00



EOG Resources, Inc.
Planning Report

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Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Hearn 27 State Com
Well: #502H
Wellbore: OH
Design: Plan #3

Local Co-ordinate Reference: Well #502H
TVD Reference: KB = 21 @ 3501.0usft (Nomac 55)
MD Reference: KB = 21 @ 3501.0usft (Nomac 55)
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)
10,722.5	0.00	0.00	10,722.5	0.0	0.0	0.0	0.00	0.00	0.00
10,725.0	0.30	164.60	10,725.0	0.0	0.0	0.0	12.00	12.00	0.00
10,750.0	3.30	164.60	10,750.0	-0.8	0.2	0.8	12.00	12.00	0.00
10,775.0	6.30	164.60	10,774.9	-2.8	0.8	2.8	12.00	12.00	0.00
10,800.0	9.30	164.60	10,799.7	-6.1	1.7	6.1	12.00	12.00	0.00
10,825.0	12.30	164.60	10,824.2	-10.6	2.9	10.7	12.00	12.00	0.00
10,850.0	15.30	164.60	10,848.5	-16.3	4.5	16.5	12.00	12.00	0.00
10,875.0	18.30	164.60	10,872.4	-23.3	6.4	23.6	12.00	12.00	0.00
10,900.0	21.30	164.60	10,895.9	-31.4	8.7	31.8	12.00	12.00	0.00
10,925.0	24.30	164.60	10,919.0	-40.8	11.2	41.3	12.00	12.00	0.00
10,950.0	27.30	164.60	10,941.5	-51.3	14.1	51.9	12.00	12.00	0.00
10,975.0	30.30	164.60	10,963.4	-62.9	17.3	63.7	12.00	12.00	0.00
11,000.0	33.30	164.60	10,984.6	-75.6	20.8	76.5	12.00	12.00	0.00
11,025.0	36.30	164.60	11,005.2	-89.3	24.6	90.4	12.00	12.00	0.00
11,050.0	39.30	164.60	11,024.9	-104.1	28.7	105.4	12.00	12.00	0.00
11,075.0	42.30	164.60	11,043.8	-119.9	33.0	121.3	12.00	12.00	0.00
11,100.0	45.30	164.60	11,061.9	-136.5	37.6	138.2	12.00	12.00	0.00
11,125.0	48.30	164.60	11,079.0	-154.1	42.4	156.0	12.00	12.00	0.00
11,150.0	51.30	164.60	11,095.1	-172.5	47.5	174.6	12.00	12.00	0.00
11,175.0	54.30	164.60	11,110.2	-191.7	52.8	194.1	12.00	12.00	0.00
11,200.0	57.30	164.60	11,124.3	-211.6	58.3	214.3	12.00	12.00	0.00
11,225.0	60.30	164.60	11,137.2	-232.3	64.0	235.1	12.00	12.00	0.00
11,250.0	63.30	164.60	11,149.1	-253.5	69.8	256.6	12.00	12.00	0.00
11,275.0	66.30	164.60	11,159.7	-275.3	75.8	278.7	12.00	12.00	0.00
11,300.0	69.30	164.60	11,169.1	-297.6	82.0	301.3	12.00	12.00	0.00
11,325.0	72.30	164.60	11,177.4	-320.4	88.2	324.3	12.00	12.00	0.00
11,350.0	75.30	164.60	11,184.3	-343.5	94.6	347.8	12.00	12.00	0.00
11,375.0	78.30	164.60	11,190.0	-367.0	101.1	371.5	12.00	12.00	0.00
11,400.0	81.30	164.60	11,194.5	-390.7	107.6	395.5	12.00	12.00	0.00
11,425.0	84.30	164.60	11,197.6	-414.6	114.2	419.7	12.00	12.00	0.00
11,450.0	87.30	164.60	11,199.4	-438.6	120.8	444.1	12.00	12.00	0.00
11,472.5	90.00	164.60	11,200.0	-460.3	126.8	466.0	12.00	12.00	0.00
11,500.0	90.00	165.15	11,200.0	-486.9	134.0	492.9	2.00	0.00	2.00
11,600.0	90.00	167.15	11,200.0	-584.0	157.9	591.0	2.00	0.00	2.00
11,700.0	90.00	169.15	11,200.0	-681.8	178.4	689.8	2.00	0.00	2.00
11,800.0	90.00	171.15	11,200.0	-780.3	195.5	789.0	2.00	0.00	2.00
11,900.0	90.00	173.15	11,200.0	-879.4	209.2	888.6	2.00	0.00	2.00
12,000.0	90.00	175.15	11,200.0	-978.9	219.4	988.5	2.00	0.00	2.00
12,100.0	90.00	177.15	11,200.0	-1,078.6	226.1	1,088.5	2.00	0.00	2.00
12,200.0	90.00	179.15	11,200.0	-1,178.6	229.3	1,188.5	2.00	0.00	2.00
12,221.7	90.00	179.58	11,200.0	-1,200.3	229.6	1,210.1	2.00	0.00	2.00
12,300.0	90.00	179.58	11,200.0	-1,278.6	230.1	1,288.4	0.00	0.00	0.00
12,400.0	90.00	179.58	11,200.0	-1,378.6	230.9	1,388.3	0.00	0.00	0.00
12,500.0	90.00	179.58	11,200.0	-1,478.6	231.6	1,488.2	0.00	0.00	0.00
12,600.0	90.00	179.58	11,200.0	-1,578.6	232.3	1,588.1	0.00	0.00	0.00
12,700.0	90.00	179.58	11,200.0	-1,678.6	233.1	1,688.0	0.00	0.00	0.00
12,800.0	90.00	179.58	11,200.0	-1,778.6	233.8	1,787.9	0.00	0.00	0.00
12,900.0	90.00	179.58	11,200.0	-1,878.6	234.5	1,887.8	0.00	0.00	0.00
13,000.0	90.00	179.58	11,200.0	-1,978.6	235.2	1,987.7	0.00	0.00	0.00
13,100.0	90.00	179.58	11,200.0	-2,078.6	236.0	2,087.7	0.00	0.00	0.00
13,200.0	90.00	179.58	11,200.0	-2,178.6	236.7	2,187.6	0.00	0.00	0.00
13,300.0	90.00	179.58	11,200.0	-2,278.6	237.4	2,287.5	0.00	0.00	0.00
13,400.0	90.00	179.58	11,200.0	-2,378.6	238.1	2,387.4	0.00	0.00	0.00
13,500.0	90.00	179.58	11,200.0	-2,478.6	238.9	2,487.3	0.00	0.00	0.00



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13,600.0	90.00	179.58	11,200.0	-2,578.5	239.6	2,587.2	0.00	0.00	0.00
13,700.0	90.00	179.58	11,200.0	-2,678.5	240.3	2,687.1	0.00	0.00	0.00
13,800.0	90.00	179.58	11,200.0	-2,778.5	241.0	2,787.0	0.00	0.00	0.00
13,900.0	90.00	179.58	11,200.0	-2,878.5	241.8	2,887.0	0.00	0.00	0.00
14,000.0	90.00	179.58	11,200.0	-2,978.5	242.5	2,986.9	0.00	0.00	0.00
14,100.0	90.00	179.58	11,200.0	-3,078.5	243.2	3,086.8	0.00	0.00	0.00
14,200.0	90.00	179.58	11,200.0	-3,178.5	243.9	3,186.7	0.00	0.00	0.00
14,300.0	90.00	179.58	11,200.0	-3,278.5	244.7	3,286.6	0.00	0.00	0.00
14,400.0	90.00	179.58	11,200.0	-3,378.5	245.4	3,386.5	0.00	0.00	0.00
14,500.0	90.00	179.58	11,200.0	-3,478.5	246.1	3,486.4	0.00	0.00	0.00
14,600.0	90.00	179.58	11,200.0	-3,578.5	246.8	3,586.3	0.00	0.00	0.00
14,700.0	90.00	179.58	11,200.0	-3,678.5	247.6	3,686.2	0.00	0.00	0.00
14,800.0	90.00	179.58	11,200.0	-3,778.5	248.3	3,786.2	0.00	0.00	0.00
14,900.0	90.00	179.58	11,200.0	-3,878.5	249.0	3,886.1	0.00	0.00	0.00
15,000.0	90.00	179.58	11,200.0	-3,978.5	249.8	3,986.0	0.00	0.00	0.00
15,100.0	90.00	179.58	11,200.0	-4,078.5	250.5	4,085.9	0.00	0.00	0.00
15,200.0	90.00	179.58	11,200.0	-4,178.5	251.2	4,185.8	0.00	0.00	0.00
15,300.0	90.00	179.58	11,200.0	-4,278.5	251.9	4,285.7	0.00	0.00	0.00
15,400.0	90.00	179.58	11,200.0	-4,378.5	252.7	4,385.6	0.00	0.00	0.00
15,500.0	90.00	179.58	11,200.0	-4,478.5	253.4	4,485.5	0.00	0.00	0.00
15,600.0	90.00	179.58	11,200.0	-4,578.5	254.1	4,585.5	0.00	0.00	0.00
15,700.0	90.00	179.58	11,200.0	-4,678.5	254.8	4,685.4	0.00	0.00	0.00
15,800.0	90.00	179.58	11,200.0	-4,778.5	255.6	4,785.3	0.00	0.00	0.00
15,900.0	90.00	179.58	11,200.0	-4,878.5	256.3	4,885.2	0.00	0.00	0.00
16,000.0	90.00	179.58	11,200.0	-4,978.5	257.0	4,985.1	0.00	0.00	0.00
16,100.0	90.00	179.58	11,200.0	-5,078.5	257.7	5,085.0	0.00	0.00	0.00
16,200.0	90.00	179.58	11,200.0	-5,178.5	258.5	5,184.9	0.00	0.00	0.00
16,273.5	90.00	179.58	11,200.0	-5,252.0	259.0	5,258.4	0.00	0.00	0.00

PBHL(Hearn 27 State #502H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL(Hearn 27 State #502H)	0.00	0.00	11,200.0	-5,252.0	259.0	425,453.00	737,569.00	32° 10' 2.487 N	103° 33' 56.091 W
- plan hits target center									
- Point									