

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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

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.)		WELL API NO. 30-025-45774
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator EOG Resources		6. State Oil & Gas Lease No. 321018
3. Address of Operator PO BOX 2267, MIDLAND, TX 79702		7. Lease Name or Unit Agreement Name RED RAIDER 25 STATE COM
4. Well Location Unit Letter <u>P</u> : <u>208</u> feet from the <u>SOUTH</u> line and <u>997</u> feet from the <u>EAST</u> line Section <u>25</u> Township <u>24S</u> Range <u>33E</u> NMPM County <u>LEA</u>		8. Well Number 501H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3504 GL		9. OGRID Number 7377
		10. Pool name or Wildcat 96434] RED HILLS; BONE SPRING, NORTH

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: <u>BHL CHANGE</u> ☒	

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 respectfully requests an amendment to our approved APD for this well to reflect changes in the BHL and the casing design. And name change to State Com

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 Emily Follis TITLE Sr. Regulatory Administrator DATE 04/25/19

Type or print name Emily Follis E-mail address: emily_follis@eog.com PHONE: 432-848-9163

For State Use Only

APPROVED BY [Signature] TITLE Petroleum Engineer DATE 04/30/19

Conditions of Approval (if any):

Red Raider 25 State Com #501H
Lea County, New Mexico

208' FSL
997' FEL
Section 25
T-24-S, R-33-E

Proposed Wellbore
Revised 4/23/19
API: 30-025-45774

KB: 3,530'
GL: 3,505'

Bit Size: 17-1/2"

13-3/8", 54.5#, J-55, STC 0' - 1,250'

Bit Size: 12-1/4"

9-5/8", 40#, J-55, LTC 0' - 4000'
9-5/8", 40#, HCL-80, LTC 4000' - 5,432'

Bit Size: 8-3/4"

5-1/2", 17#, P-110 or HCP110, LTC @ 0' - 21,376'

TOC: 4,932'

KOP: 10,696'

HOBBS OCD
APR 25 2019
RECEIVED

Bit Size: 8-1/2"

Lateral: 21,376' MD, 11,075' TVD
BH Location: 100' FNL & 2090' FEL
Section 24
T-24-S, R-33-E

EOG RESOURCES, INC.
Red Raider 25 State Com #501H

Revised Permit Information 4/23/19:

Well Name: Red Raider 25 State Com No. 501H

Location:

SHL: 208' FSL & 997' FEL, Section 25, T-24-S, R-33-E, Lea Co., N.M.

BHL: 100' FNL & 2,090' FEL, Section 24, 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' - 1,250'	13.375"	54.5#	J-55	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"	4000' - 5432'	9.625"	40#	HCL-80	LTC	1.125	1.25	1.60
8.75"	0' - 21,376'	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
1,250'	600	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)
	300	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
5,432'	900	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)
	225	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
21,376'	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 @ 4,942')
	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' - 1,250'	Fresh - Gel	8.6-8.8	28-34	N/c
1,250' - 5,432'	Brine	10.0-10.2	28-34	N/c
5,432' - 10,696'	Cut Brine	8.4-9.0	28-34	N/c
10,696' - 21,376' Lateral	Cut Brine	9.0-9.5	40-42	8-10

EOG RESOURCES, INC.
Red Raider 25 State Com #501H
Hydrogen Sulfide Plan Summary

- A. All personnel shall receive proper H2S training in accordance with Onshore Order III.C.3.a.
- B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.
- C. Required Emergency Equipment:

- Well control equipment
 - a. Flare line 150' from wellhead to be ignited by flare gun.
 - b. Choke manifold with a remotely operated choke.
 - c. Mud/gas separator
- Protective equipment for essential personnel.

Breathing apparatus:

- a. Rescue Packs (SCBA) — 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
- b. Work/Escape packs — 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
- c. Emergency Escape Packs — 4 packs shall be stored in the doghouse for emergency evacuation.

Auxiliary Rescue Equipment:

- a. Stretcher
- b. Two OSHA full body harness
- c. 100 ft 5/8 inch OSHA approved rope
- d. 1-20# class ABC fire extinguisher

- H2S detection and monitoring equipment:

The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.

(Gas sample tubes will be stored in the safety trailer)

- Visual warning systems.
 - a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
 - b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
 - c. Two wind socks will be placed in strategic locations, visible from all angles.

- Mud program:

EOG RESOURCES, INC.
Red Raider 25 State Com #501H

The mud program has been designed to minimize the volume of H₂S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H₂S bearing zones.

- **Metallurgy:**
All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H₂S service.
- **Communication:**
Communication will be via cell phones and land lines where available.

EOG RESOURCES, INC.
Red Raider 25 State Com #501H
Emergency Assistance Telephone List

PUBLIC SAFETY: **911 or**

Lea County Sheriff's Department (575) 396-3611
Rod Coffman

Fire Department:

Carlsbad (575) 885-3125

Artesia (575) 746-5050

Hospitals:

Carlsbad (575) 887-4121

Artesia (575) 748-3333

Hobbs (575) 392-1979

Dept. of Public Safety/Carlsbad (575) 748-9718

Highway Department (575) 885-3281

New Mexico Oil Conservation (575) 476-3440

U.S. Dept. of Labor (575) 887-1174

EOG Resources, Inc.

EOG / Midland Office (432) 686-3600

Company Drilling Consultants:

David Dominique Cell (985) 518-5839

Mike Vann Cell (817) 980-5507

Drilling Engineer

Steve Munsell Office (432) 686-3609

Cell (432) 894-1256

Drilling Manager

Aj Dach Office (432) 686-3751

Cell (817) 480-1167

Drilling Superintendent

Domingo Lopez Office (432) 686-3702

Cell (432) 215-9452

H&P Drilling

H&P Drilling Office (432) 563-5757

H&P 651 Drilling Rig Rig (903) 509-7131

Tool Pusher:

Johnathan Craig Cell (817) 760-6374

Brad Garrett

Safety

Brian Chandler (HSE Manager) Office (432) 686-3695

Cell (817) 239-0251

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1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
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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 30-025-45774		² Pool Code 96434	³ Pool Name RED HILLS; BONE SPRING, NORTH
⁴ Property Code 321018	⁵ Property Name RED RAIDER 25 STATE COM		⁶ Well Number 501H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3505'

¹⁰Surface Location

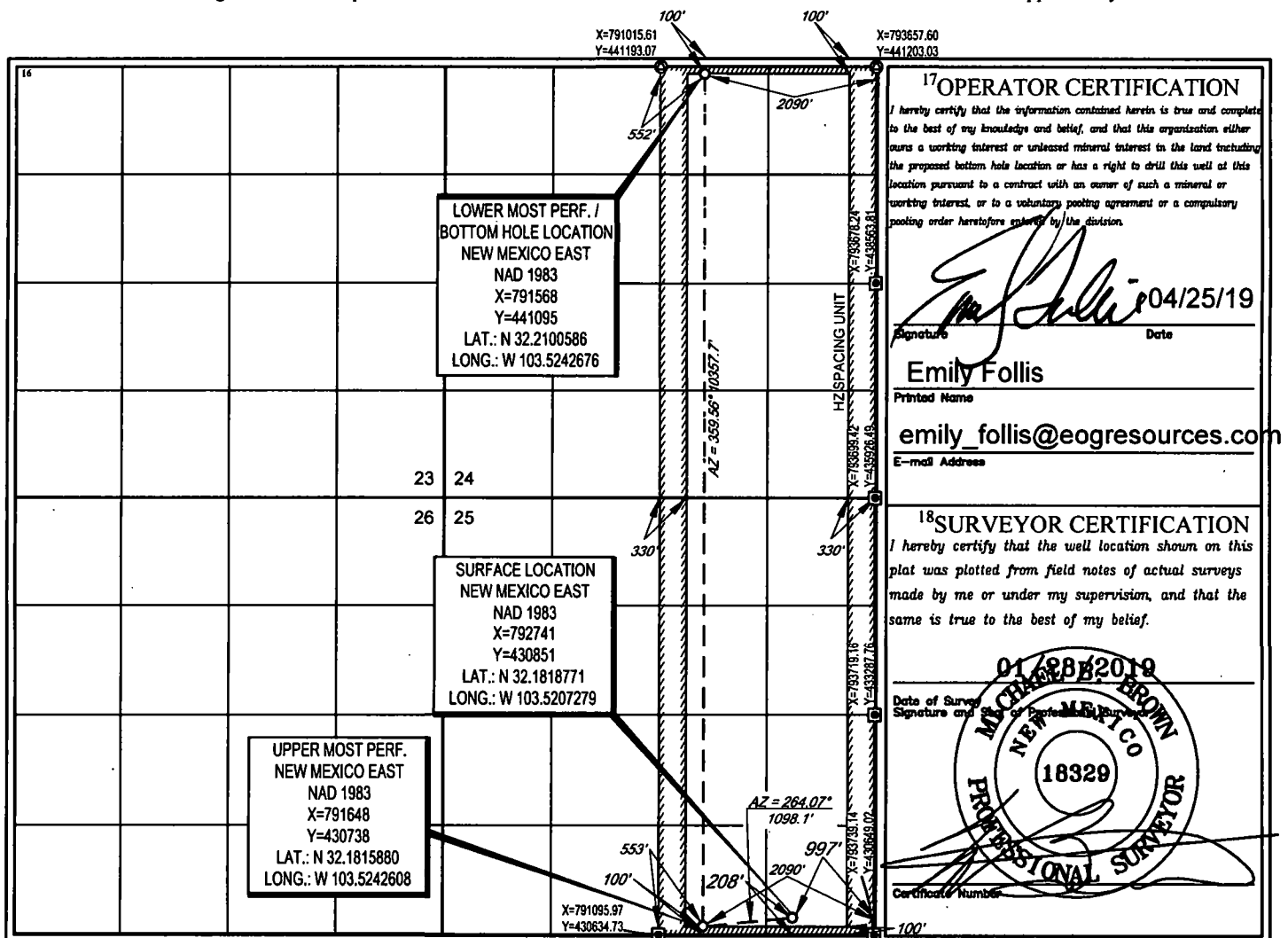
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	25	24-S	33-E	-	208'	SOUTH	997'	EAST	LEA

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
B	24	24-S	33-E	-	100'	NORTH	2090'	EAST	LEA

¹² Dedicated Acres 640.00	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.





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Red Raider 25 State Com

#501H

OH

Plan: Plan #0.2

Standard Planning Report

23 April, 2019

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #501H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3530.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3530.0usft
Site:	Red Raider 25 State Com	North Reference:	Grid
Well:	#501H	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	Red Raider 25 State Com				
Site Position:		Northing:	430,866.00 usft	Latitude:	32° 10' 54.895 N
From:	Map	Easting:	792,872.00 usft	Longitude:	103° 31' 13.091 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.43

Well	#501H					
Well Position	+N/-S	-15.0 usft	Northing:	430,851.00 usft	Latitude:	32° 10' 54.756 N
	+E/-W	-131.0 usft	Easting:	792,741.00 usft	Longitude:	103° 31' 14.616 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,505.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/30/2019	6.75	60.01	47,751.09633705

Design	Plan #0.2			
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	353.47

Plan Survey Tool Program		Date			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	21,376.3 Plan #0.2 (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	
1,350.0	0.00	0.00	1,350.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,876.8	10.54	261.52	1,873.8	-7.1	-47.8	2.00	2.00	0.00	261.52	
7,392.1	10.54	261.52	7,296.2	-155.9	-1,045.2	0.00	0.00	0.00	0.00	
7,918.9	0.00	0.01	7,820.0	-163.0	-1,093.0	2.00	-2.00	0.00	180.00	
10,696.4	0.00	0.01	10,597.5	-163.0	-1,093.0	0.00	0.00	0.00	0.00	KOP(RR 25 St Com #
11,446.4	90.00	359.56	11,075.0	314.4	-1,096.7	12.00	12.00	-0.06	359.56	
21,376.3	90.00	359.56	11,075.0	10,244.0	-1,173.0	0.00	0.00	0.00	0.00	PBHL(RR 25 St Com



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Red Raider 25 State Com
 Well: #501H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference: Well #501H
 TVD Reference: KB = 25 @ 3530.0usft
 MD Reference: KB = 25 @ 3530.0usft
 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
1,350.0	0.00	0.00	1,350.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	1.00	261.52	1,400.0	-0.1	-0.4	0.0	2.00	2.00	0.00
1,500.0	3.00	261.52	1,499.9	-0.6	-3.9	-0.1	2.00	2.00	0.00
1,600.0	5.00	261.52	1,599.7	-1.6	-10.8	-0.4	2.00	2.00	0.00
1,700.0	7.00	261.52	1,699.1	-3.1	-21.1	-0.7	2.00	2.00	0.00
1,800.0	9.00	261.52	1,798.2	-5.2	-34.9	-1.2	2.00	2.00	0.00
1,876.8	10.54	261.52	1,873.8	-7.1	-47.8	-1.6	2.00	2.00	0.00
1,900.0	10.54	261.52	1,896.6	-7.7	-52.0	-1.8	0.00	0.00	0.00
2,000.0	10.54	261.52	1,995.0	-10.4	-70.1	-2.4	0.00	0.00	0.00
2,100.0	10.54	261.52	2,093.3	-13.1	-88.1	-3.0	0.00	0.00	0.00
2,200.0	10.54	261.52	2,191.6	-15.8	-106.2	-3.7	0.00	0.00	0.00
2,300.0	10.54	261.52	2,289.9	-18.5	-124.3	-4.3	0.00	0.00	0.00
2,400.0	10.54	261.52	2,388.2	-21.2	-142.4	-4.9	0.00	0.00	0.00
2,500.0	10.54	261.52	2,486.5	-23.9	-160.5	-5.5	0.00	0.00	0.00
2,600.0	10.54	261.52	2,584.8	-26.6	-178.6	-6.1	0.00	0.00	0.00
2,700.0	10.54	261.52	2,683.2	-29.3	-196.6	-6.8	0.00	0.00	0.00
2,800.0	10.54	261.52	2,781.5	-32.0	-214.7	-7.4	0.00	0.00	0.00
2,900.0	10.54	261.52	2,879.8	-34.7	-232.8	-8.0	0.00	0.00	0.00
3,000.0	10.54	261.52	2,978.1	-37.4	-250.9	-8.6	0.00	0.00	0.00
3,100.0	10.54	261.52	3,076.4	-40.1	-269.0	-9.3	0.00	0.00	0.00
3,200.0	10.54	261.52	3,174.7	-42.8	-287.1	-9.9	0.00	0.00	0.00
3,300.0	10.54	261.52	3,273.0	-45.5	-305.2	-10.5	0.00	0.00	0.00
3,400.0	10.54	261.52	3,371.4	-48.2	-323.2	-11.1	0.00	0.00	0.00
3,500.0	10.54	261.52	3,469.7	-50.9	-341.3	-11.7	0.00	0.00	0.00
3,600.0	10.54	261.52	3,568.0	-53.6	-359.4	-12.4	0.00	0.00	0.00
3,700.0	10.54	261.52	3,666.3	-56.3	-377.5	-13.0	0.00	0.00	0.00
3,800.0	10.54	261.52	3,764.6	-59.0	-395.6	-13.6	0.00	0.00	0.00
3,900.0	10.54	261.52	3,862.9	-61.7	-413.7	-14.2	0.00	0.00	0.00
4,000.0	10.54	261.52	3,961.2	-64.4	-431.8	-14.9	0.00	0.00	0.00
4,100.0	10.54	261.52	4,059.6	-67.1	-449.8	-15.5	0.00	0.00	0.00
4,200.0	10.54	261.52	4,157.9	-69.8	-467.9	-16.1	0.00	0.00	0.00
4,300.0	10.54	261.52	4,256.2	-72.5	-486.0	-16.7	0.00	0.00	0.00
4,400.0	10.54	261.52	4,354.5	-75.2	-504.1	-17.3	0.00	0.00	0.00
4,500.0	10.54	261.52	4,452.8	-77.9	-522.2	-18.0	0.00	0.00	0.00
4,600.0	10.54	261.52	4,551.1	-80.6	-540.3	-18.6	0.00	0.00	0.00
4,700.0	10.54	261.52	4,649.4	-83.3	-558.4	-19.2	0.00	0.00	0.00
4,800.0	10.54	261.52	4,747.8	-86.0	-576.4	-19.8	0.00	0.00	0.00
4,900.0	10.54	261.52	4,846.1	-88.7	-594.5	-20.5	0.00	0.00	0.00
5,000.0	10.54	261.52	4,944.4	-91.4	-612.6	-21.1	0.00	0.00	0.00
5,100.0	10.54	261.52	5,042.7	-94.1	-630.7	-21.7	0.00	0.00	0.00

Database: EDM 5000.14
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 Project: Lea County, NM (NAD 83 NME)
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 Wellbore: OH
 Design: Plan #0.2

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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)
5,200.0	10.54	261.52	5,141.0	-96.8	-648.8	-22.3	0.00	0.00	0.00
5,300.0	10.54	261.52	5,239.3	-99.5	-666.9	-22.9	0.00	0.00	0.00
5,400.0	10.54	261.52	5,337.6	-102.1	-685.0	-23.6	0.00	0.00	0.00
5,500.0	10.54	261.52	5,436.0	-104.8	-703.0	-24.2	0.00	0.00	0.00
5,600.0	10.54	261.52	5,534.3	-107.5	-721.1	-24.8	0.00	0.00	0.00
5,700.0	10.54	261.52	5,632.6	-110.2	-739.2	-25.4	0.00	0.00	0.00
5,800.0	10.54	261.52	5,730.9	-112.9	-757.3	-26.1	0.00	0.00	0.00
5,900.0	10.54	261.52	5,829.2	-115.6	-775.4	-26.7	0.00	0.00	0.00
5,990.8	10.54	261.52	5,918.4	-118.1	-791.8	-27.2	0.00	0.00	0.00
AC Tgt (#501H OH Plan #0.1)									
6,000.0	10.54	261.52	5,927.5	-118.3	-793.5	-27.3	0.00	0.00	0.00
6,100.0	10.54	261.52	6,025.8	-121.0	-811.5	-27.9	0.00	0.00	0.00
6,200.0	10.54	261.52	6,124.1	-123.7	-829.6	-28.5	0.00	0.00	0.00
6,300.0	10.54	261.52	6,222.5	-126.4	-847.7	-29.2	0.00	0.00	0.00
6,400.0	10.54	261.52	6,320.8	-129.1	-865.8	-29.8	0.00	0.00	0.00
6,500.0	10.54	261.52	6,419.1	-131.8	-883.9	-30.4	0.00	0.00	0.00
6,600.0	10.54	261.52	6,517.4	-134.5	-902.0	-31.0	0.00	0.00	0.00
6,700.0	10.54	261.52	6,615.7	-137.2	-920.1	-31.6	0.00	0.00	0.00
6,800.0	10.54	261.52	6,714.0	-139.9	-938.1	-32.3	0.00	0.00	0.00
6,900.0	10.54	261.52	6,812.3	-142.6	-956.2	-32.9	0.00	0.00	0.00
7,000.0	10.54	261.52	6,910.7	-145.3	-974.3	-33.5	0.00	0.00	0.00
7,100.0	10.54	261.52	7,009.0	-148.0	-992.4	-34.1	0.00	0.00	0.00
7,200.0	10.54	261.52	7,107.3	-150.7	-1,010.5	-34.8	0.00	0.00	0.00
7,300.0	10.54	261.52	7,205.6	-153.4	-1,028.6	-35.4	0.00	0.00	0.00
7,392.1	10.54	261.52	7,296.2	-155.9	-1,045.2	-36.0	0.00	0.00	0.00
7,400.0	10.38	261.52	7,303.9	-156.1	-1,046.6	-36.0	2.00	-2.00	0.00
7,500.0	8.38	261.52	7,402.6	-158.5	-1,062.8	-36.6	2.00	-2.00	0.00
7,600.0	6.38	261.52	7,501.7	-160.4	-1,075.5	-37.0	2.00	-2.00	0.00
7,700.0	4.38	261.52	7,601.3	-161.8	-1,084.7	-37.3	2.00	-2.00	0.00
7,800.0	2.38	261.52	7,701.1	-162.6	-1,090.6	-37.5	2.00	-2.00	0.00
7,900.0	0.38	261.52	7,801.1	-163.0	-1,092.9	-37.6	2.00	-2.00	0.00
7,918.9	0.00	0.01	7,820.0	-163.0	-1,093.0	-37.6	2.00	-2.00	0.00
8,000.0	0.00	0.00	7,901.1	-163.0	-1,093.0	-37.8	0.00	0.00	0.00
8,100.0	0.00	0.00	8,001.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
8,200.0	0.00	0.00	8,101.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
8,300.0	0.00	0.00	8,201.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
8,400.0	0.00	0.00	8,301.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
8,500.0	0.00	0.00	8,401.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
8,600.0	0.00	0.00	8,501.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
8,700.0	0.00	0.00	8,601.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
8,800.0	0.00	0.00	8,701.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
8,900.0	0.00	0.00	8,801.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
9,000.0	0.00	0.00	8,901.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
9,100.0	0.00	0.00	9,001.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
9,200.0	0.00	0.00	9,101.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
9,300.0	0.00	0.00	9,201.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
9,400.0	0.00	0.00	9,301.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
9,500.0	0.00	0.00	9,401.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
9,600.0	0.00	0.00	9,501.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
9,700.0	0.00	0.00	9,601.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
9,800.0	0.00	0.00	9,701.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
9,900.0	0.00	0.00	9,801.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
10,000.0	0.00	0.00	9,901.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Red Raider 25 State Com
Well: #501H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25 @ 3530.0usft
MD Reference: KB = 25 @ 3530.0usft
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)
10,100.0	0.00	0.00	10,001.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
10,200.0	0.00	0.00	10,101.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
10,300.0	0.00	0.00	10,201.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
10,400.0	0.00	0.00	10,301.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
10,500.0	0.00	0.00	10,401.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
10,600.0	0.00	0.00	10,501.1	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
10,696.4	0.00	0.01	10,597.5	-163.0	-1,093.0	-37.6	0.00	0.00	0.00
KOP(RR 25 St Com #501H) (copy) - KOP(RR 25 St Com #501H)									
10,700.0	0.43	359.56	10,601.1	-163.0	-1,093.0	-37.6	12.00	12.00	0.00
10,725.0	3.43	359.56	10,626.1	-162.1	-1,093.0	-36.7	12.00	12.00	0.00
10,750.0	6.43	359.56	10,651.0	-160.0	-1,093.0	-34.6	12.00	12.00	0.00
10,775.0	9.43	359.56	10,675.7	-156.5	-1,093.0	-31.2	12.00	12.00	0.00
10,800.0	12.43	359.56	10,700.3	-151.8	-1,093.1	-26.5	12.00	12.00	0.00
10,825.0	15.43	359.56	10,724.5	-145.8	-1,093.1	-20.5	12.00	12.00	0.00
10,850.0	18.43	359.56	10,748.5	-138.5	-1,093.2	-13.2	12.00	12.00	0.00
10,875.0	21.43	359.56	10,772.0	-130.0	-1,093.3	-4.8	12.00	12.00	0.00
10,900.0	24.43	359.56	10,795.0	-120.3	-1,093.3	4.9	12.00	12.00	0.00
10,925.0	27.43	359.56	10,817.5	-109.3	-1,093.4	15.8	12.00	12.00	0.00
10,950.0	30.43	359.56	10,839.3	-97.2	-1,093.5	27.8	12.00	12.00	0.00
10,975.0	33.43	359.56	10,860.5	-84.0	-1,093.6	40.9	12.00	12.00	0.00
11,000.0	36.43	359.56	10,881.0	-69.7	-1,093.7	55.2	12.00	12.00	0.00
11,025.0	39.43	359.56	10,900.8	-54.3	-1,093.8	70.5	12.00	12.00	0.00
11,050.0	42.43	359.56	10,919.6	-38.0	-1,094.0	86.7	12.00	12.00	0.00
11,075.0	45.43	359.56	10,937.6	-20.6	-1,094.1	104.0	12.00	12.00	0.00
11,100.0	48.43	359.56	10,954.7	-2.4	-1,094.2	122.1	12.00	12.00	0.00
FTP(RR 25 St Com #501H)									
11,125.0	51.43	359.56	10,970.8	16.8	-1,094.4	141.2	12.00	12.00	0.00
11,150.0	54.43	359.56	10,985.9	36.7	-1,094.5	161.0	12.00	12.00	0.00
11,175.0	57.43	359.56	10,999.9	57.4	-1,094.7	181.6	12.00	12.00	0.00
11,200.0	60.43	359.56	11,012.8	78.8	-1,094.9	202.9	12.00	12.00	0.00
11,225.0	63.43	359.56	11,024.5	100.9	-1,095.0	224.8	12.00	12.00	0.00
11,250.0	66.43	359.56	11,035.1	123.5	-1,095.2	247.3	12.00	12.00	0.00
11,275.0	69.43	359.56	11,044.5	146.7	-1,095.4	270.4	12.00	12.00	0.00
11,300.0	72.43	359.56	11,052.7	170.3	-1,095.6	293.9	12.00	12.00	0.00
11,325.0	75.43	359.56	11,059.6	194.3	-1,095.7	317.7	12.00	12.00	0.00
11,350.0	78.43	359.56	11,065.3	218.7	-1,095.9	342.0	12.00	12.00	0.00
11,375.0	81.43	359.56	11,069.6	243.3	-1,096.1	366.4	12.00	12.00	0.00
11,400.0	84.43	359.56	11,072.7	268.1	-1,096.3	391.1	12.00	12.00	0.00
11,425.0	87.43	359.56	11,074.5	293.0	-1,096.5	415.9	12.00	12.00	0.00
11,446.4	90.00	359.56	11,075.0	314.4	-1,096.7	437.2	12.00	12.00	0.00
11,500.0	90.00	359.56	11,075.0	368.0	-1,097.1	490.5	0.00	0.00	0.00
11,600.0	90.00	359.56	11,075.0	468.0	-1,097.9	589.9	0.00	0.00	0.00
11,700.0	90.00	359.56	11,075.0	568.0	-1,098.6	689.3	0.00	0.00	0.00
11,800.0	90.00	359.56	11,075.0	668.0	-1,099.4	788.8	0.00	0.00	0.00
11,900.0	90.00	359.56	11,075.0	768.0	-1,100.2	888.2	0.00	0.00	0.00
12,000.0	90.00	359.56	11,075.0	868.0	-1,100.9	987.6	0.00	0.00	0.00
12,100.0	90.00	359.56	11,075.0	968.0	-1,101.7	1,087.1	0.00	0.00	0.00
12,200.0	90.00	359.56	11,075.0	1,068.0	-1,102.5	1,186.5	0.00	0.00	0.00
12,300.0	90.00	359.56	11,075.0	1,168.0	-1,103.2	1,285.9	0.00	0.00	0.00
12,400.0	90.00	359.56	11,075.0	1,268.0	-1,104.0	1,385.4	0.00	0.00	0.00
12,500.0	90.00	359.56	11,075.0	1,368.0	-1,104.8	1,484.8	0.00	0.00	0.00
12,600.0	90.00	359.56	11,075.0	1,468.0	-1,105.5	1,584.2	0.00	0.00	0.00
12,700.0	90.00	359.56	11,075.0	1,568.0	-1,106.3	1,683.7	0.00	0.00	0.00
12,800.0	90.00	359.56	11,075.0	1,668.0	-1,107.1	1,783.1	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)
12,900.0	90.00	359.56	11,075.0	1,768.0	-1,107.8	1,882.5	0.00	0.00	0.00
13,000.0	90.00	359.56	11,075.0	1,868.0	-1,108.6	1,982.0	0.00	0.00	0.00
13,100.0	90.00	359.56	11,075.0	1,968.0	-1,109.4	2,081.4	0.00	0.00	0.00
13,200.0	90.00	359.56	11,075.0	2,068.0	-1,110.1	2,180.9	0.00	0.00	0.00
13,300.0	90.00	359.56	11,075.0	2,168.0	-1,110.9	2,280.3	0.00	0.00	0.00
13,400.0	90.00	359.56	11,075.0	2,268.0	-1,111.7	2,379.7	0.00	0.00	0.00
13,500.0	90.00	359.56	11,075.0	2,368.0	-1,112.5	2,479.2	0.00	0.00	0.00
13,600.0	90.00	359.56	11,075.0	2,468.0	-1,113.2	2,578.6	0.00	0.00	0.00
13,700.0	90.00	359.56	11,075.0	2,568.0	-1,114.0	2,678.0	0.00	0.00	0.00
13,800.0	90.00	359.56	11,075.0	2,668.0	-1,114.8	2,777.5	0.00	0.00	0.00
13,900.0	90.00	359.56	11,075.0	2,768.0	-1,115.5	2,876.9	0.00	0.00	0.00
14,000.0	90.00	359.56	11,075.0	2,868.0	-1,116.3	2,976.3	0.00	0.00	0.00
14,100.0	90.00	359.56	11,075.0	2,968.0	-1,117.1	3,075.8	0.00	0.00	0.00
14,200.0	90.00	359.56	11,075.0	3,068.0	-1,117.8	3,175.2	0.00	0.00	0.00
14,300.0	90.00	359.56	11,075.0	3,168.0	-1,118.6	3,274.6	0.00	0.00	0.00
14,400.0	90.00	359.56	11,075.0	3,267.9	-1,119.4	3,374.1	0.00	0.00	0.00
14,500.0	90.00	359.56	11,075.0	3,367.9	-1,120.1	3,473.5	0.00	0.00	0.00
14,600.0	90.00	359.56	11,075.0	3,467.9	-1,120.9	3,572.9	0.00	0.00	0.00
14,700.0	90.00	359.56	11,075.0	3,567.9	-1,121.7	3,672.4	0.00	0.00	0.00
14,800.0	90.00	359.56	11,075.0	3,667.9	-1,122.4	3,771.8	0.00	0.00	0.00
14,900.0	90.00	359.56	11,075.0	3,767.9	-1,123.2	3,871.3	0.00	0.00	0.00
15,000.0	90.00	359.56	11,075.0	3,867.9	-1,124.0	3,970.7	0.00	0.00	0.00
15,100.0	90.00	359.56	11,075.0	3,967.9	-1,124.8	4,070.1	0.00	0.00	0.00
15,200.0	90.00	359.56	11,075.0	4,067.9	-1,125.5	4,169.6	0.00	0.00	0.00
15,300.0	90.00	359.56	11,075.0	4,167.9	-1,126.3	4,269.0	0.00	0.00	0.00
15,400.0	90.00	359.56	11,075.0	4,267.9	-1,127.1	4,368.4	0.00	0.00	0.00
15,500.0	90.00	359.56	11,075.0	4,367.9	-1,127.8	4,467.9	0.00	0.00	0.00
15,600.0	90.00	359.56	11,075.0	4,467.9	-1,128.6	4,567.3	0.00	0.00	0.00
15,700.0	90.00	359.56	11,075.0	4,567.9	-1,129.4	4,666.7	0.00	0.00	0.00
15,800.0	90.00	359.56	11,075.0	4,667.9	-1,130.1	4,766.2	0.00	0.00	0.00
15,900.0	90.00	359.56	11,075.0	4,767.9	-1,130.9	4,865.6	0.00	0.00	0.00
16,000.0	90.00	359.56	11,075.0	4,867.9	-1,131.7	4,965.0	0.00	0.00	0.00
16,100.0	90.00	359.56	11,075.0	4,967.9	-1,132.4	5,064.5	0.00	0.00	0.00
16,200.0	90.00	359.56	11,075.0	5,067.9	-1,133.2	5,163.9	0.00	0.00	0.00
16,300.0	90.00	359.56	11,075.0	5,167.9	-1,134.0	5,263.3	0.00	0.00	0.00
16,400.0	90.00	359.56	11,075.0	5,267.9	-1,134.7	5,362.8	0.00	0.00	0.00
16,500.0	90.00	359.56	11,075.0	5,367.9	-1,135.5	5,462.2	0.00	0.00	0.00
16,600.0	90.00	359.56	11,075.0	5,467.9	-1,136.3	5,561.7	0.00	0.00	0.00
16,700.0	90.00	359.56	11,075.0	5,567.9	-1,137.1	5,661.1	0.00	0.00	0.00
16,800.0	90.00	359.56	11,075.0	5,667.9	-1,137.8	5,760.5	0.00	0.00	0.00
16,900.0	90.00	359.56	11,075.0	5,767.9	-1,138.6	5,860.0	0.00	0.00	0.00
17,000.0	90.00	359.56	11,075.0	5,867.9	-1,139.4	5,959.4	0.00	0.00	0.00
17,100.0	90.00	359.56	11,075.0	5,967.9	-1,140.1	6,058.8	0.00	0.00	0.00
17,200.0	90.00	359.56	11,075.0	6,067.9	-1,140.9	6,158.3	0.00	0.00	0.00
17,300.0	90.00	359.56	11,075.0	6,167.9	-1,141.7	6,257.7	0.00	0.00	0.00
17,400.0	90.00	359.56	11,075.0	6,267.9	-1,142.4	6,357.1	0.00	0.00	0.00
17,500.0	90.00	359.56	11,075.0	6,367.9	-1,143.2	6,456.6	0.00	0.00	0.00
17,600.0	90.00	359.56	11,075.0	6,467.9	-1,144.0	6,556.0	0.00	0.00	0.00
17,700.0	90.00	359.56	11,075.0	6,567.9	-1,144.7	6,655.4	0.00	0.00	0.00
17,800.0	90.00	359.56	11,075.0	6,667.8	-1,145.5	6,754.9	0.00	0.00	0.00
17,900.0	90.00	359.56	11,075.0	6,767.8	-1,146.3	6,854.3	0.00	0.00	0.00
18,000.0	90.00	359.56	11,075.0	6,867.8	-1,147.0	6,953.7	0.00	0.00	0.00
18,100.0	90.00	359.56	11,075.0	6,967.8	-1,147.8	7,053.2	0.00	0.00	0.00
18,200.0	90.00	359.56	11,075.0	7,067.8	-1,148.6	7,152.6	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #501H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3530.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3530.0usft
Site:	Red Raider 25 State Com	North Reference:	Grid
Well:	#501H	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)
18,300.0	90.00	359.56	11,075.0	7,167.8	-1,149.4	7,252.1	0.00	0.00	0.00
18,400.0	90.00	359.56	11,075.0	7,267.8	-1,150.1	7,351.5	0.00	0.00	0.00
18,500.0	90.00	359.56	11,075.0	7,367.8	-1,150.9	7,450.9	0.00	0.00	0.00
18,600.0	90.00	359.56	11,075.0	7,467.8	-1,151.7	7,550.4	0.00	0.00	0.00
18,700.0	90.00	359.56	11,075.0	7,567.8	-1,152.4	7,649.8	0.00	0.00	0.00
18,800.0	90.00	359.56	11,075.0	7,667.8	-1,153.2	7,749.2	0.00	0.00	0.00
18,900.0	90.00	359.56	11,075.0	7,767.8	-1,154.0	7,848.7	0.00	0.00	0.00
19,000.0	90.00	359.56	11,075.0	7,867.8	-1,154.7	7,948.1	0.00	0.00	0.00
19,100.0	90.00	359.56	11,075.0	7,967.8	-1,155.5	8,047.5	0.00	0.00	0.00
19,200.0	90.00	359.56	11,075.0	8,067.8	-1,156.3	8,147.0	0.00	0.00	0.00
19,300.0	90.00	359.56	11,075.0	8,167.8	-1,157.0	8,246.4	0.00	0.00	0.00
19,400.0	90.00	359.56	11,075.0	8,267.8	-1,157.8	8,345.8	0.00	0.00	0.00
19,500.0	90.00	359.56	11,075.0	8,367.8	-1,158.6	8,445.3	0.00	0.00	0.00
19,600.0	90.00	359.56	11,075.0	8,467.8	-1,159.3	8,544.7	0.00	0.00	0.00
19,700.0	90.00	359.56	11,075.0	8,567.8	-1,160.1	8,644.1	0.00	0.00	0.00
19,800.0	90.00	359.56	11,075.0	8,667.8	-1,160.9	8,743.6	0.00	0.00	0.00
19,900.0	90.00	359.56	11,075.0	8,767.8	-1,161.7	8,843.0	0.00	0.00	0.00
20,000.0	90.00	359.56	11,075.0	8,867.8	-1,162.4	8,942.5	0.00	0.00	0.00
20,100.0	90.00	359.56	11,075.0	8,967.8	-1,163.2	9,041.9	0.00	0.00	0.00
20,200.0	90.00	359.56	11,075.0	9,067.8	-1,164.0	9,141.3	0.00	0.00	0.00
20,300.0	90.00	359.56	11,075.0	9,167.8	-1,164.7	9,240.8	0.00	0.00	0.00
20,400.0	90.00	359.56	11,075.0	9,267.8	-1,165.5	9,340.2	0.00	0.00	0.00
20,500.0	90.00	359.56	11,075.0	9,367.8	-1,166.3	9,439.6	0.00	0.00	0.00
20,600.0	90.00	359.56	11,075.0	9,467.8	-1,167.0	9,539.1	0.00	0.00	0.00
20,700.0	90.00	359.56	11,075.0	9,567.8	-1,167.8	9,638.5	0.00	0.00	0.00
20,800.0	90.00	359.56	11,075.0	9,667.8	-1,168.6	9,737.9	0.00	0.00	0.00
20,900.0	90.00	359.56	11,075.0	9,767.8	-1,169.3	9,837.4	0.00	0.00	0.00
21,000.0	90.00	359.56	11,075.0	9,867.8	-1,170.1	9,936.8	0.00	0.00	0.00
21,100.0	90.00	359.56	11,075.0	9,967.8	-1,170.9	10,036.2	0.00	0.00	0.00
21,200.0	90.00	359.56	11,075.0	10,067.7	-1,171.6	10,135.7	0.00	0.00	0.00
21,300.0	90.00	359.56	11,075.0	10,167.7	-1,172.4	10,235.1	0.00	0.00	0.00
21,376.3	90.00	359.56	11,075.0	10,244.0	-1,173.0	10,310.9	0.00	0.00	0.00

PBHL(RR 25 St Com #501H) (copy) - PBHL(RR 25 St Com #501H)

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #501H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3530.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3530.0usft
Site:	Red Raider 25 State Com	North Reference:	Grid
Well:	#501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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
KOP(RR 25 St Com #50 - plan hits target center - Point	0.00	0.01	10,597.5	-163.0	-1,093.0	430,688.00	791,648.00	32° 10' 53.225 N	103° 31' 27.348 W
KOP(RR 25 St Com #50 - plan hits target center - Point	0.00	0.01	10,597.5	-163.0	-1,093.0	430,688.00	791,648.00	32° 10' 53.225 N	103° 31' 27.348 W
PBHL(RR 25 St Com #5 - plan hits target center - Rectangle (sides W60.0 H0.0 D10,357.7)	90.00	359.59	11,075.0	10,244.0	-1,173.0	441,095.00	791,568.00	32° 12' 36.209 N	103° 31' 27.368 W
FTP(RR 25 St Com #50 - plan misses target center by 163.4usft at 11100.0usft MD (10954.7 TVD, -2.4 N, -1094.2 E) - Point	0.00	0.01	11,075.0	-113.0	-1,093.0	430,738.00	791,648.00	32° 10' 53.720 N	103° 31' 27.344 W
PBHL(RR 25 St Com #5 - plan hits target center - Rectangle (sides W60.0 H0.0 D10,357.7)	90.00	359.59	11,075.0	10,244.0	-1,173.0	441,095.00	791,568.00	32° 12' 36.209 N	103° 31' 27.368 W



Lea County, NM (NAD 83 NME)
Red Raider 25 State Com #501H
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: #501H

KB = 25 @ 3530.0ust
Northing 430851.00 Easting 792741.50
Latitude 32° 10' 54.756 N Longitude 103° 31' 14.616 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/S	+E/W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1350.0	0.00	0.00	1350.0	0.0	0.0	0.00	0.00	0.0	
3	1876.8	10.54	261.52	1873.8	-7.1	-47.8	2.00	261.52	-1.6	
4	7392.1	10.54	261.52	7296.2	-155.9	-1045.2	0.00	0.00	-36.0	
5	7918.9	0.00	0.00	7820.0	-163.0	-1093.0	2.00	180.00	-37.6	
6	10696.4	0.00	0.00	10597.5	-163.0	-1093.0	0.00	0.00	-37.6	KOP(RR 25 St Com #501H) (copy)
7	11446.4	90.00	359.56	11075.0	314.4	-1096.7	12.00	359.56	437.2	PBHL(RR 25 St Com #501H) (copy)
8	21376.3	90.00	359.56	11075.0	10244.0	-1173.0	0.00	0.00	10310.9	

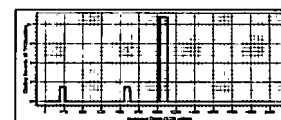
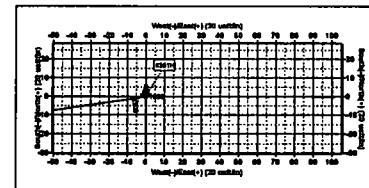
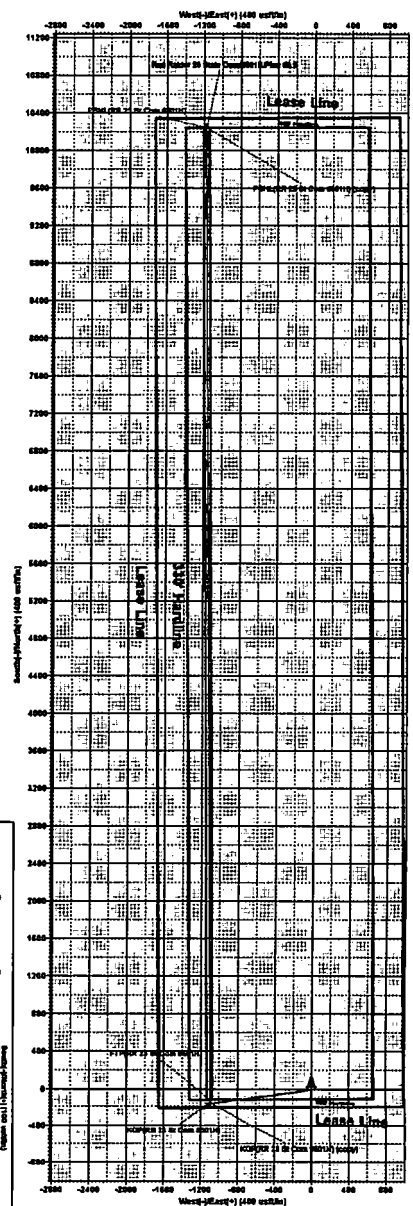
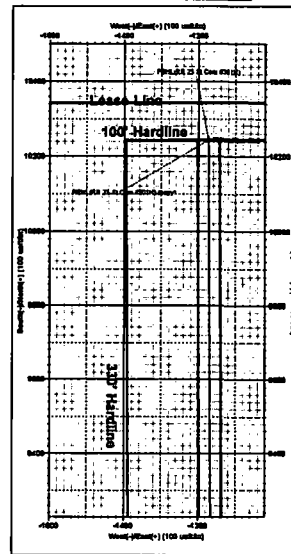
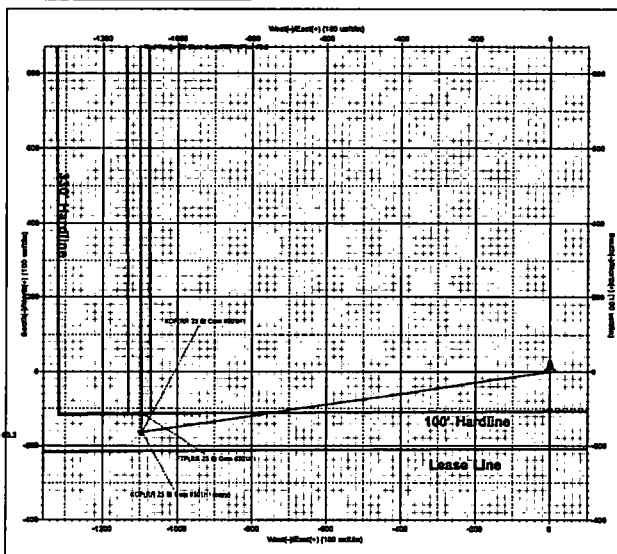
To convert a Magnetic Direction to a Grid Direction, Add 6.32°
To convert a Magnetic Direction to a True Direction, Add 6.75° East
To convert a True Direction to a Grid Direction, Subtract 0.43°

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/S	+E/W	Northing	Easting
AC Tgt (RR21H ON Plan #0.1)	8347.7	-47.8	-640.3	430783.44	782106.70
KOP(RR 25 St Com #501H)	10597.5	-163.0	-1093.0	430688.00	791648.00
KOP(RR 25 St Com #501H) (copy)	10597.5	-163.0	-1093.0	430688.00	791648.00
FTM(RR 25 St Com #501H)	11075.0	-113.0	-1093.0	430738.00	791648.00
PBHL(RR 25 St Com #501H)	11075.0	10244.0	-1173.0	441095.00	791588.00
PBHL(RR 25 St Com #501H) (copy)	11075.0	10244.0	-1173.0	441095.00	791588.00



Lea County, NM (NAD 83 NME)
Red Raider 25 State Com #501H
Plan #0.2