

Well Name: JUPITER 19 FED COM	Well Location: T24S / R34E / SEC 19 / NENE / 32.2087617 / -103.5043251	County or Parish/State: LEA / NM
Well Number: 507H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM17241	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254787500X1	Well Status: Approved Application for Permit to Drill	Operator: EOG RESOURCES INCORPORATED

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Other
Date Sundry Submitted: 02/22/2021	Time Sundry Submitted: 09:31
Date proposed operation will begin: 02/25/2021	

Procedure Description: EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes: Change BHL to T-24-S R-34-E Sec 30 2539' FNL 2304' FWL Lea Co, NM Change surface hole size to 16 inch from 17-1/2 inch

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- JUPITER_19_FED_COM_507H_C_102_20210222093113.pdf
- Jupiter_19_Fed_Com_507H_Wall_Plot_20210222093108.pdf
- Jupiter_19_Fed_Com_507H_Planning_Report_20210222093103.pdf
- Jupiter_19_Fed_Com_507H_Permit_Info___Rev_BHL___surface_hole_size_2.18.2021_20210222093055.pdf

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Operator Certification

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: HARRELL
Signed on: FEB 22, 2021 09:31 AM
Name: EOG RESOURCES INCORPORATED
Title: Regulatory Specialist
Street Address: 1111 BAGBY SKY LOBBY2
City: HOUSTON **State:** TX
Phone: (713) 651-7000
Email address:

Field Representative

Representative Name: STAR HARRELL
Street Address: 5509 CHAMPIONS DRIVE
City: MIDLAND **State:** TX **Zip:** 79702
Phone: (432)848-9161
Email address: Star_Harrell@eogresources.com

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS
BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234
BLM POC Email Address: cwalls@blm.gov
Disposition: Approved
Disposition Date: 03/03/2021
Signature: Chris Walls

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 30-025-47875	² Pool Code 96434	³ Pool Name Red Hill; Bone Spring, North
⁴ Property Code 329751	⁵ Property Name JUPITER 19 FED COM	⁶ Well Number 507H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3550'

¹⁰Surface Location

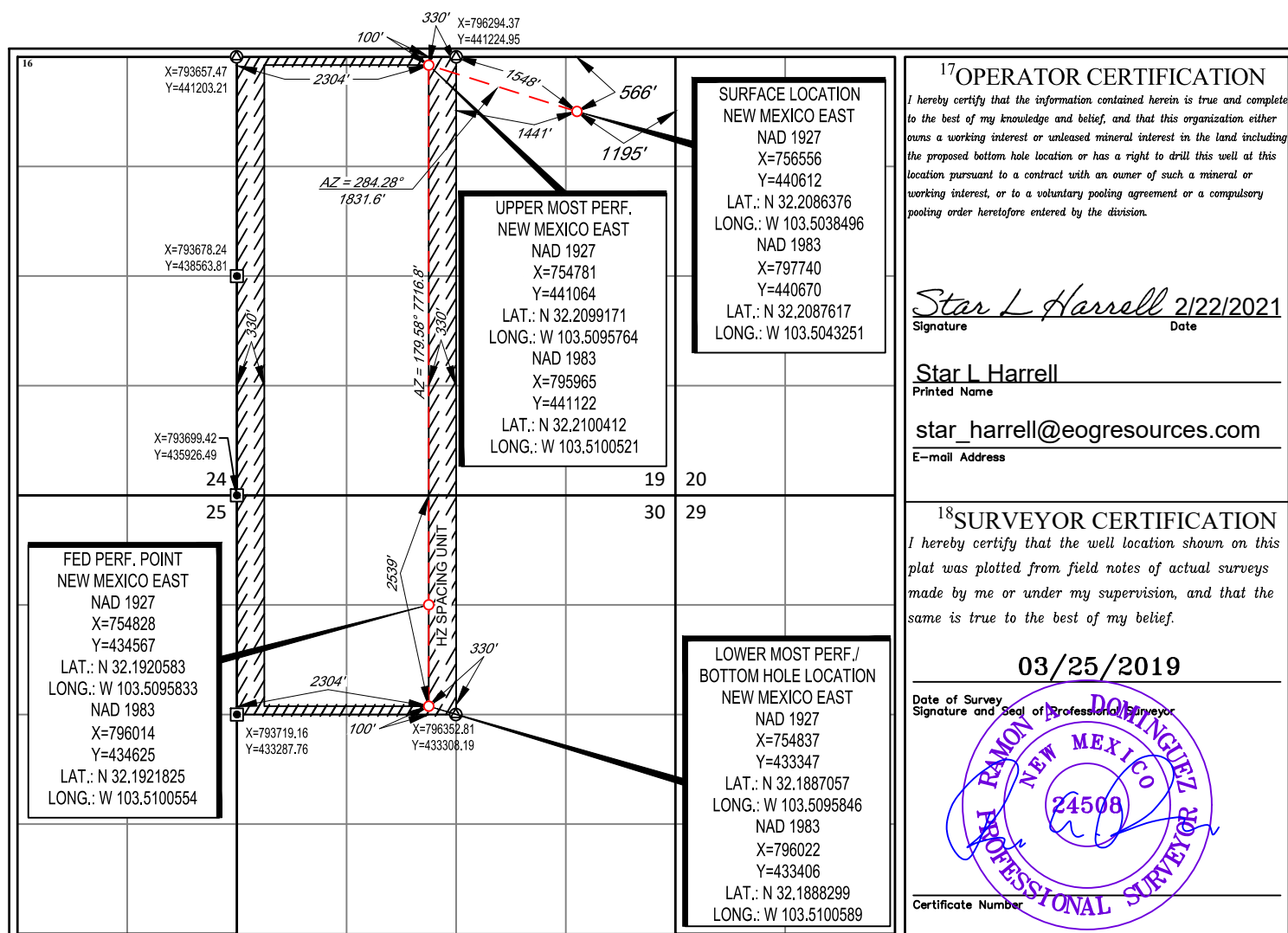
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	19	24-S	34-E	-	566'	NORTH	1195'	EAST	LEA

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
F	30	24-S	34-E	-	2539'	NORTH	2304'	WEST	LEA

¹² Dedicated Acres 480.00	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.



Revised Permit Information 2/18/2021:

Well Name: Jupiter 19 Fed Com #507H

Location:

SHL: 566' FNL & 1195' FEL, Section 19, T-24-S, R-34-E, Lea Co., N.M.

BHL: 2539' FNL & 2304' FWL, Section 30, T-24-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
16"	0' – 1,445'	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"	4,000' – 4,955'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0' – 11,527'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60
8.5"	11,527' – 18,816'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Variance is requested to wave the centralizer requirements for the 9-5/8" casing in the 12-1/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 12-1/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to wave any centralizer requirements for the 5-1/2" casing in the 8-3/4" and 8-1/2" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" and 8-1/2" hole interval to maximize cement bond and zonal isolation.

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /sk	Slurry Description
1,445' 13-3/8"	430	13.5	1.73	Lead: Class C + 4.0% Bentonite + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	100	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 1,245')
4,955' 9-5/8"	730	9.0	3.5	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	320	14.4	1.20	Tail: Class C + 10% NaCl + 3% MagOx (TOC @ 3,960')
18,816' 5-1/2"	630	11.0	3.21	Lead: Class C + 3% CaCl ₂ + 3% Microbond (TOC @ 4,455')
	1960	14.0	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,777')

Additive	Purpose
Bentonite Gel	Lightweight/Lost circulation prevention
Calcium Chloride	Accelerator
Cello-flake	Lost circulation prevention
Sodium Metasilicate	Accelerator
MagOx	Expansive agent
Pre-Mag-M	Expansive agent
Sodium Chloride	Accelerator
FL-62	Fluid loss control
Halad-344	Fluid loss control
Halad-9	Fluid loss control
HR-601	Retarder
Microbond	Expansive Agent

Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

Mud Program:

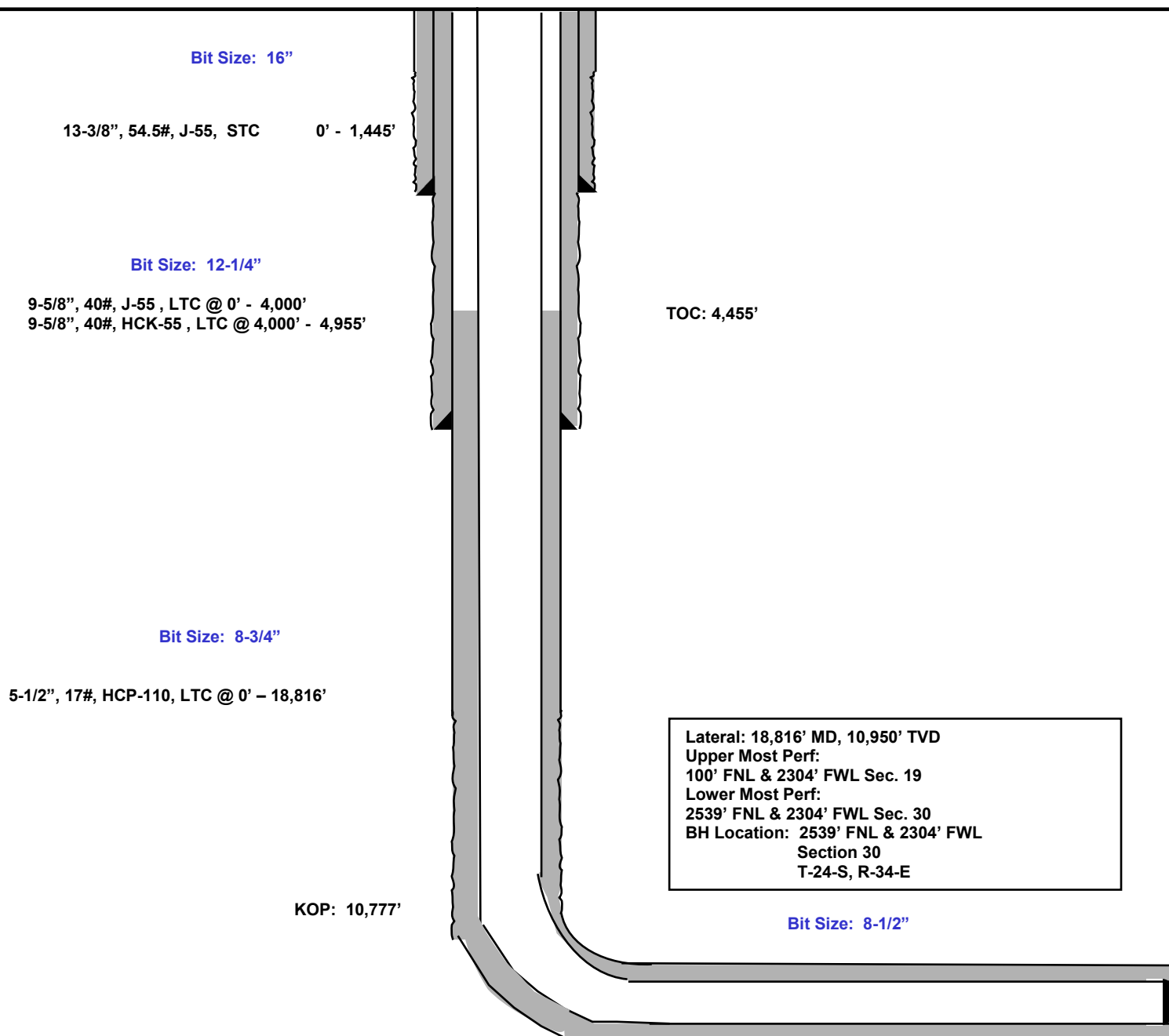
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,445'	Fresh - Gel	8.6-8.8	28-34	N/c
1,445' – 4,955'	Brine	8.6-8.8	28-34	N/c
4,955' – 18,816'	Oil Base	8.8-9.0	58-68	N/c - 6

566' FNL
1195' FEL
Section 19
T-24-S, R-34-E

Proposed Wellbore

API: 30-025-47875

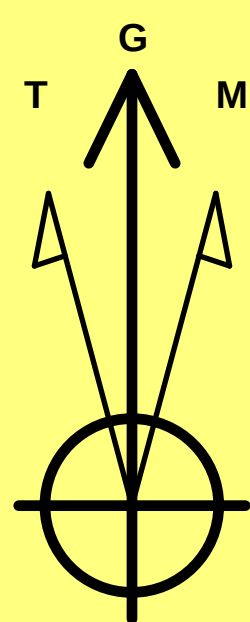
KB: 3,575'
GL: 3,550'



Lea County, NM (NAD 83 NME)

Jupiter 19 Fed Com #507H

Plan #0.2



Azimuths to Grid North
True North: -0.44°
Magnetic North: 6.22°

Magnetic Field
Strength: 47693.1nT
Dip Angle: 60.03°
Date: 10/24/2019
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.22°
To convert a Magnetic Direction to a True Direction, Add 6.66° East
To convert a True Direction to a Grid Direction, Subtract 0.44°

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: #507H

KB = 25 @ 3575.0usft 3550.0
Northing 440670.00 Easting 797740.00 Latitude 32° 12' 31.539 N Longitude 103° 30' 15.571 W

SECTION DETAILS

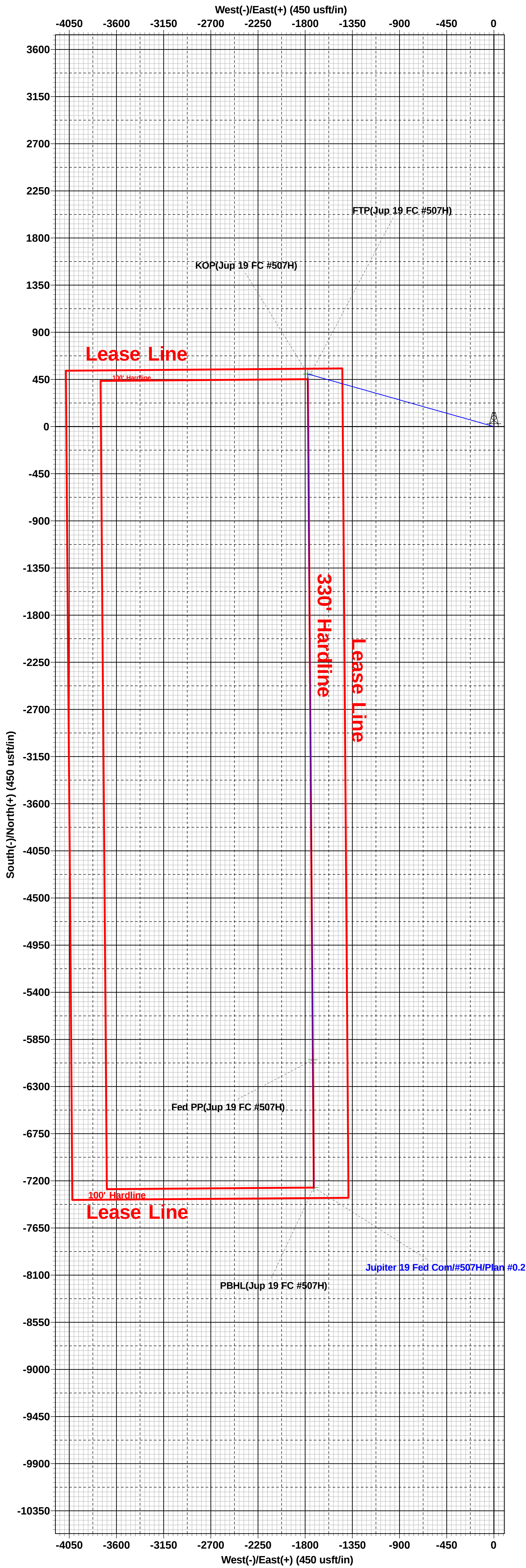
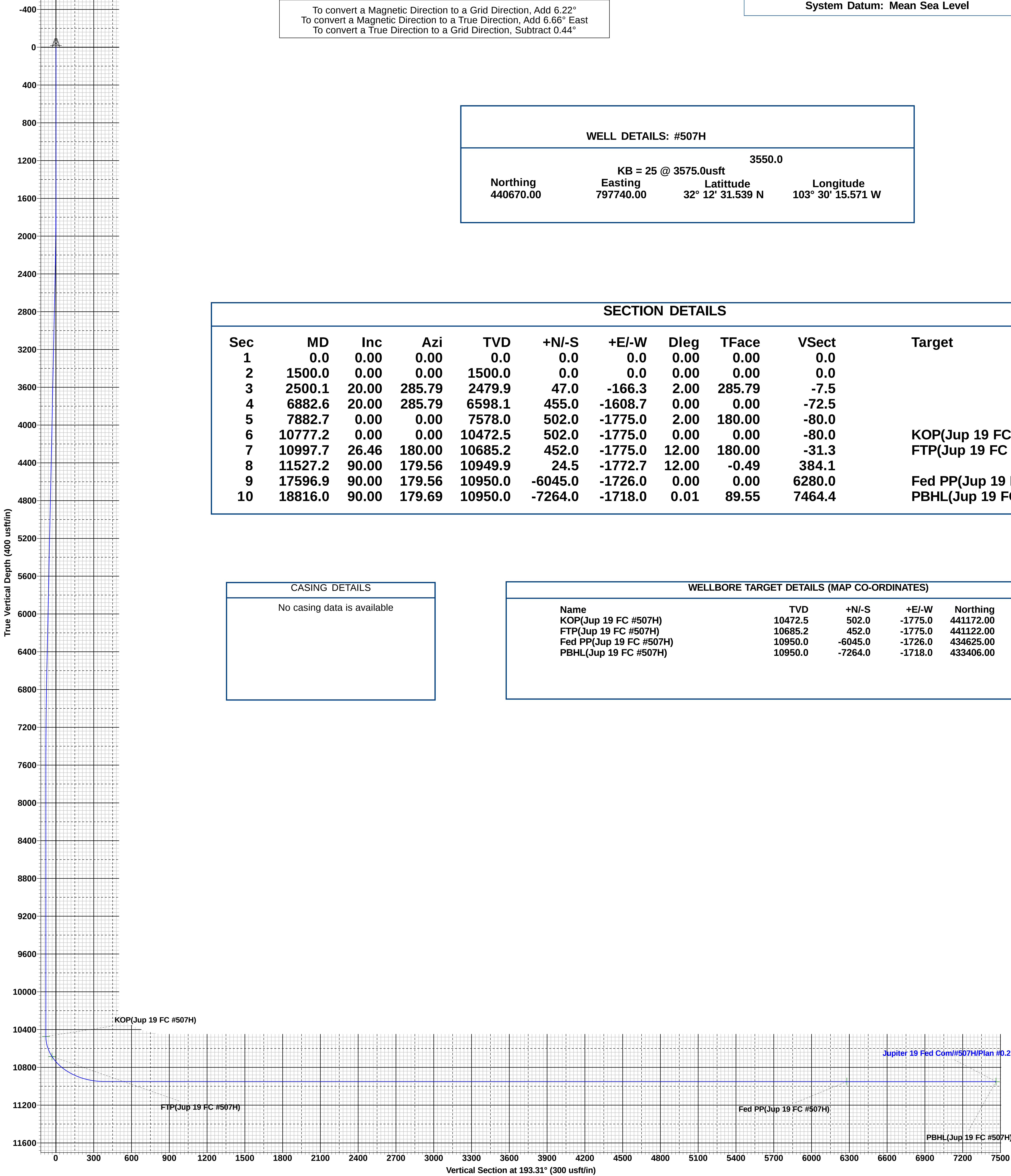
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	2500.1	20.00	285.79	2479.9	47.0	-166.3	2.00	285.79	-7.5	
4	6882.6	20.00	285.79	6598.1	455.0	-1608.7	0.00	0.00	-72.5	
5	7882.7	0.00	0.00	7578.0	502.0	-1775.0	2.00	180.00	-80.0	
6	10777.2	0.00	0.00	10472.5	502.0	-1775.0	0.00	0.00	-80.0	KOP(Jup 19 FC #507H)
7	10997.7	26.46	180.00	10685.2	452.0	-1775.0	12.00	180.00	-31.3	FTP(Jup 19 FC #507H)
8	11527.2	90.00	179.56	10949.9	24.5	-1772.7	12.00	-0.49	384.1	
9	17596.9	90.00	179.56	10950.0	-6045.0	-1726.0	0.00	0.00	6280.0	Fed PP(Jup 19 FC #507H)
10	18816.0	90.00	179.69	10950.0	-7264.0	-1718.0	0.01	89.55	7464.4	PBHL(Jup 19 FC #507H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(Jup 19 FC #507H)	10472.5	502.0	-1775.0	441172.00	795965.00
FTP(Jup 19 FC #507H)	10685.2	452.0	-1775.0	441122.00	795965.00
Fed PP(Jup 19 FC #507H)	10950.0	-6045.0	-1726.0	434625.00	796014.00
PBHL(Jup 19 FC #507H)	10950.0	-7264.0	-1718.0	433406.00	796022.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Jupiter 19 Fed Com

#507H

OH

Plan: Plan #0.2

Standard Planning Report

01 February, 2021

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #507H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3575.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3575.0usft
Site:	Jupiter 19 Fed Com	North Reference:	Grid
Well:	#507H	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	Jupiter 19 Fed Com		
Site Position:		Northing:	440,554.00 usft
From:	Map	Easting:	794,402.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 12' 30.644 N
		Longitude:	103° 30' 54.431 W
		Grid Convergence:	0.44 °

Well	#507H					
Well Position	+N/-S	116.0 usft	Northing:	440,670.00 usft	Latitude:	32° 12' 31.539 N
	+E/-W	3,338.0 usft	Easting:	797,740.00 usft	Longitude:	103° 30' 15.571 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,550.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/24/2019	6.66	60.03	47,693.14809970

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	193.31

Plan Survey Tool Program	Date	2/1/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,815.9	Plan #0.2 (OH)	MWD
				OWSG MWD - Standard

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #507H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3575.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3575.0usft
Site:	Jupiter 19 Fed Com	North Reference:	Grid
Well:	#507H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,500.1	20.00	285.79	2,479.9	47.0	-166.3	2.00	2.00	0.00	285.79	
6,882.6	20.00	285.79	6,598.1	455.0	-1,608.7	0.00	0.00	0.00	0.00	
7,882.7	0.00	0.00	7,578.0	502.0	-1,775.0	2.00	-2.00	0.00	180.00	
10,777.2	0.00	0.00	10,472.5	502.0	-1,775.0	0.00	0.00	0.00	0.00	KOP(Jup 19 FC #507
10,997.7	26.46	180.00	10,685.2	452.0	-1,775.0	12.00	12.00	81.65	180.00	FTP(Jup 19 FC #507
11,527.2	90.00	179.56	10,949.9	24.5	-1,772.7	12.00	12.00	-0.08	-0.49	
17,596.9	90.00	179.56	10,950.0	-6,045.0	-1,726.0	0.00	0.00	0.00	0.00	Fed PP(Jup 19 FC #5
18,815.9	90.00	179.69	10,950.0	-7,264.0	-1,718.0	0.01	0.00	0.01	89.55	PBHL(Jup 19 FC #50

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #507H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3575.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3575.0usft
Site:	Jupiter 19 Fed Com	North Reference:	Grid
Well:	#507H	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)	
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	2.00	285.79	1,600.0	0.5	-1.7	-0.1	2.00	2.00	0.00	
1,700.0	4.00	285.79	1,699.8	1.9	-6.7	-0.3	2.00	2.00	0.00	
1,800.0	6.00	285.79	1,799.5	4.3	-15.1	-0.7	2.00	2.00	0.00	
1,900.0	8.00	285.79	1,898.7	7.6	-26.8	-1.2	2.00	2.00	0.00	
2,000.0	10.00	285.79	1,997.5	11.8	-41.9	-1.9	2.00	2.00	0.00	
2,100.0	12.00	285.79	2,095.6	17.0	-60.2	-2.7	2.00	2.00	0.00	
2,200.0	14.00	285.79	2,193.1	23.2	-81.9	-3.7	2.00	2.00	0.00	
2,300.0	16.00	285.79	2,289.6	30.2	-106.8	-4.8	2.00	2.00	0.00	
2,400.0	18.00	285.79	2,385.3	38.2	-134.9	-6.1	2.00	2.00	0.00	
2,500.1	20.00	285.79	2,479.9	47.0	-166.3	-7.5	2.00	2.00	0.00	
2,600.0	20.00	285.79	2,573.8	56.3	-199.2	-9.0	0.00	0.00	0.00	
2,700.0	20.00	285.79	2,667.8	65.6	-232.1	-10.5	0.00	0.00	0.00	
2,800.0	20.00	285.79	2,761.7	74.9	-265.0	-11.9	0.00	0.00	0.00	
2,900.0	20.00	285.79	2,855.7	84.3	-297.9	-13.4	0.00	0.00	0.00	
3,000.0	20.00	285.79	2,949.7	93.6	-330.8	-14.9	0.00	0.00	0.00	
3,100.0	20.00	285.79	3,043.6	102.9	-363.7	-16.4	0.00	0.00	0.00	
3,200.0	20.00	285.79	3,137.6	112.2	-396.6	-17.9	0.00	0.00	0.00	
3,300.0	20.00	285.79	3,231.6	121.5	-429.6	-19.4	0.00	0.00	0.00	
3,400.0	20.00	285.79	3,325.5	130.8	-462.5	-20.8	0.00	0.00	0.00	
3,500.0	20.00	285.79	3,419.5	140.1	-495.4	-22.3	0.00	0.00	0.00	
3,600.0	20.00	285.79	3,513.5	149.4	-528.3	-23.8	0.00	0.00	0.00	
3,700.0	20.00	285.79	3,607.4	158.7	-561.2	-25.3	0.00	0.00	0.00	
3,800.0	20.00	285.79	3,701.4	168.0	-594.1	-26.8	0.00	0.00	0.00	
3,900.0	20.00	285.79	3,795.4	177.3	-627.0	-28.3	0.00	0.00	0.00	
4,000.0	20.00	285.79	3,889.3	186.6	-659.9	-29.7	0.00	0.00	0.00	
4,100.0	20.00	285.79	3,983.3	196.0	-692.9	-31.2	0.00	0.00	0.00	
4,200.0	20.00	285.79	4,077.3	205.3	-725.8	-32.7	0.00	0.00	0.00	
4,300.0	20.00	285.79	4,171.2	214.6	-758.7	-34.2	0.00	0.00	0.00	
4,400.0	20.00	285.79	4,265.2	223.9	-791.6	-35.7	0.00	0.00	0.00	
4,500.0	20.00	285.79	4,359.2	233.2	-824.5	-37.2	0.00	0.00	0.00	
4,600.0	20.00	285.79	4,453.2	242.5	-857.4	-38.6	0.00	0.00	0.00	
4,700.0	20.00	285.79	4,547.1	251.8	-890.3	-40.1	0.00	0.00	0.00	
4,800.0	20.00	285.79	4,641.1	261.1	-923.3	-41.6	0.00	0.00	0.00	
4,900.0	20.00	285.79	4,735.1	270.4	-956.2	-43.1	0.00	0.00	0.00	
5,000.0	20.00	285.79	4,829.0	279.7	-989.1	-44.6	0.00	0.00	0.00	
5,100.0	20.00	285.79	4,923.0	289.0	-1,022.0	-46.1	0.00	0.00	0.00	
5,200.0	20.00	285.79	5,017.0	298.3	-1,054.9	-47.5	0.00	0.00	0.00	

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #507H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3575.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3575.0usft
Site:	Jupiter 19 Fed Com	North Reference:	Grid
Well:	#507H	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)	
5,300.0	20.00	285.79	5,110.9	307.7	-1,087.8	-49.0	0.00	0.00	0.00	
5,400.0	20.00	285.79	5,204.9	317.0	-1,120.7	-50.5	0.00	0.00	0.00	
5,500.0	20.00	285.79	5,298.9	326.3	-1,153.7	-52.0	0.00	0.00	0.00	
5,600.0	20.00	285.79	5,392.8	335.6	-1,186.6	-53.5	0.00	0.00	0.00	
5,700.0	20.00	285.79	5,486.8	344.9	-1,219.5	-55.0	0.00	0.00	0.00	
5,800.0	20.00	285.79	5,580.8	354.2	-1,252.4	-56.4	0.00	0.00	0.00	
5,900.0	20.00	285.79	5,674.7	363.5	-1,285.3	-57.9	0.00	0.00	0.00	
6,000.0	20.00	285.79	5,768.7	372.8	-1,318.2	-59.4	0.00	0.00	0.00	
6,100.0	20.00	285.79	5,862.7	382.1	-1,351.1	-60.9	0.00	0.00	0.00	
6,200.0	20.00	285.79	5,956.6	391.4	-1,384.0	-62.4	0.00	0.00	0.00	
6,300.0	20.00	285.79	6,050.6	400.7	-1,417.0	-63.9	0.00	0.00	0.00	
6,400.0	20.00	285.79	6,144.6	410.0	-1,449.9	-65.3	0.00	0.00	0.00	
6,500.0	20.00	285.79	6,238.6	419.4	-1,482.8	-66.8	0.00	0.00	0.00	
6,600.0	20.00	285.79	6,332.5	428.7	-1,515.7	-68.3	0.00	0.00	0.00	
6,700.0	20.00	285.79	6,426.5	438.0	-1,548.6	-69.8	0.00	0.00	0.00	
6,800.0	20.00	285.79	6,520.5	447.3	-1,581.5	-71.3	0.00	0.00	0.00	
6,882.6	20.00	285.79	6,598.1	455.0	-1,608.7	-72.5	0.00	0.00	0.00	
6,900.0	19.65	285.79	6,614.4	456.6	-1,614.4	-72.8	2.00	-2.00	0.00	
7,000.0	17.65	285.79	6,709.2	465.3	-1,645.2	-74.1	2.00	-2.00	0.00	
7,100.0	15.65	285.79	6,805.0	473.1	-1,672.7	-75.4	2.00	-2.00	0.00	
7,200.0	13.65	285.79	6,901.7	480.0	-1,697.1	-76.5	2.00	-2.00	0.00	
7,300.0	11.65	285.79	6,999.3	485.9	-1,718.2	-77.4	2.00	-2.00	0.00	
7,400.0	9.65	285.79	7,097.6	491.0	-1,736.0	-78.2	2.00	-2.00	0.00	
7,500.0	7.65	285.79	7,196.4	495.1	-1,750.4	-78.9	2.00	-2.00	0.00	
7,600.0	5.65	285.79	7,295.7	498.2	-1,761.6	-79.4	2.00	-2.00	0.00	
7,700.0	3.65	285.79	7,395.4	500.4	-1,769.4	-79.7	2.00	-2.00	0.00	
7,800.0	1.65	285.79	7,495.3	501.7	-1,773.9	-79.9	2.00	-2.00	0.00	
7,882.7	0.00	0.00	7,578.0	502.0	-1,775.0	-80.0	2.00	-2.00	0.00	
7,900.0	0.00	0.00	7,595.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,695.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
8,100.0	0.00	0.00	7,795.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
8,200.0	0.00	0.00	7,895.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
8,300.0	0.00	0.00	7,995.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,095.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,195.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,295.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,395.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,495.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,595.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,695.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
9,100.0	0.00	0.00	8,795.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
9,200.0	0.00	0.00	8,895.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
9,300.0	0.00	0.00	8,995.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,095.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,195.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,295.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,395.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,495.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,595.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,695.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
10,100.0	0.00	0.00	9,795.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
10,200.0	0.00	0.00	9,895.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
10,300.0	0.00	0.00	9,995.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #507H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3575.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3575.0usft
Site:	Jupiter 19 Fed Com	North Reference:	Grid
Well:	#507H	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)	
10,400.0	0.00	0.00	10,095.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
10,500.0	0.00	0.00	10,195.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
10,600.0	0.00	0.00	10,295.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
10,700.0	0.00	0.00	10,395.3	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
10,777.2	0.00	0.00	10,472.5	502.0	-1,775.0	-80.0	0.00	0.00	0.00	
KOP sz(Jup 19 FC #507H) - KOP(Jup 19 FC #507H)										
10,800.0	2.73	180.00	10,495.3	501.5	-1,775.0	-79.5	12.00	12.00	0.00	
10,825.0	5.73	180.00	10,520.2	499.6	-1,775.0	-77.7	12.00	12.00	0.00	
10,850.0	8.73	180.00	10,545.0	496.5	-1,775.0	-74.6	12.00	12.00	0.00	
10,875.0	11.74	180.00	10,569.6	492.0	-1,775.0	-70.3	12.00	12.00	0.00	
10,900.0	14.74	180.00	10,593.9	486.3	-1,775.0	-64.7	12.00	12.00	0.00	
10,925.0	17.74	180.00	10,617.9	479.3	-1,775.0	-57.9	12.00	12.00	0.00	
10,950.0	20.74	180.00	10,641.5	471.1	-1,775.0	-49.9	12.00	12.00	0.00	
10,975.0	23.74	180.00	10,664.7	461.6	-1,775.0	-40.7	12.00	12.00	0.00	
10,997.7	26.46	180.00	10,685.2	452.0	-1,775.0	-31.3	12.00	12.00	0.00	
FTP(Jup 19 FC #507H)										
10,998.1	26.51	180.00	10,685.6	451.8	-1,775.0	-31.2	12.00	12.00	-0.23	
FTP sz(Jup 19 FC #507H)										
11,000.0	26.74	179.99	10,687.3	451.0	-1,775.0	-30.3	12.00	12.00	-0.23	
11,025.0	29.74	179.94	10,709.3	439.1	-1,775.0	-18.8	12.00	12.00	-0.21	
11,050.0	32.74	179.90	10,730.7	426.2	-1,775.0	-6.2	12.00	12.00	-0.17	
11,075.0	35.74	179.86	10,751.3	412.1	-1,774.9	7.5	12.00	12.00	-0.15	
11,100.0	38.74	179.83	10,771.2	397.0	-1,774.9	22.2	12.00	12.00	-0.13	
11,125.0	41.74	179.80	10,790.3	380.8	-1,774.9	37.9	12.00	12.00	-0.11	
11,150.0	44.74	179.78	10,808.5	363.7	-1,774.8	54.5	12.00	12.00	-0.10	
11,175.0	47.74	179.76	10,825.8	345.7	-1,774.7	72.1	12.00	12.00	-0.09	
11,200.0	50.74	179.74	10,842.2	326.7	-1,774.6	90.5	12.00	12.00	-0.08	
11,225.0	53.74	179.72	10,857.5	307.0	-1,774.5	109.7	12.00	12.00	-0.07	
11,250.0	56.74	179.70	10,871.7	286.4	-1,774.4	129.7	12.00	12.00	-0.07	
11,275.0	59.74	179.69	10,884.9	265.2	-1,774.3	150.3	12.00	12.00	-0.06	
11,300.0	62.74	179.67	10,896.9	243.3	-1,774.2	171.6	12.00	12.00	-0.06	
11,325.0	65.74	179.66	10,907.8	220.7	-1,774.1	193.5	12.00	12.00	-0.06	
11,350.0	68.74	179.64	10,917.4	197.7	-1,773.9	215.9	12.00	12.00	-0.05	
11,375.0	71.74	179.63	10,925.9	174.2	-1,773.8	238.8	12.00	12.00	-0.05	
11,400.0	74.74	179.62	10,933.1	150.2	-1,773.6	262.0	12.00	12.00	-0.05	
11,425.0	77.74	179.61	10,939.0	126.0	-1,773.5	285.6	12.00	12.00	-0.05	
11,450.0	80.74	179.59	10,943.7	101.4	-1,773.3	309.5	12.00	12.00	-0.05	
11,475.0	83.74	179.58	10,947.1	76.6	-1,773.1	333.5	12.00	12.00	-0.05	
11,500.0	86.74	179.57	10,949.2	51.7	-1,772.9	357.7	12.00	12.00	-0.05	
11,527.2	90.00	179.56	10,949.9	24.5	-1,772.7	384.1	12.00	12.00	-0.05	
11,600.0	90.00	179.56	10,949.9	-48.3	-1,772.2	454.8	0.00	0.00	0.00	
11,700.0	90.00	179.56	10,949.9	-148.3	-1,771.4	552.0	0.00	0.00	0.00	
11,800.0	90.00	179.56	10,949.9	-248.2	-1,770.6	649.1	0.00	0.00	0.00	
11,900.0	90.00	179.56	10,949.9	-348.2	-1,769.9	746.2	0.00	0.00	0.00	
12,000.0	90.00	179.56	10,950.0	-448.2	-1,769.1	843.4	0.00	0.00	0.00	
12,100.0	90.00	179.56	10,950.0	-548.2	-1,768.3	940.5	0.00	0.00	0.00	
12,200.0	90.00	179.56	10,950.0	-648.2	-1,767.5	1,037.6	0.00	0.00	0.00	
12,300.0	90.00	179.56	10,950.0	-748.2	-1,766.8	1,134.8	0.00	0.00	0.00	
12,400.0	90.00	179.56	10,950.0	-848.2	-1,766.0	1,231.9	0.00	0.00	0.00	
12,500.0	90.00	179.56	10,950.0	-948.2	-1,765.2	1,329.1	0.00	0.00	0.00	
12,600.0	90.00	179.56	10,950.0	-1,048.2	-1,764.5	1,426.2	0.00	0.00	0.00	
12,700.0	90.00	179.56	10,950.0	-1,148.2	-1,763.7	1,523.3	0.00	0.00	0.00	
12,800.0	90.00	179.56	10,950.0	-1,248.2	-1,762.9	1,620.5	0.00	0.00	0.00	

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #507H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3575.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3575.0usft
Site:	Jupiter 19 Fed Com	North Reference:	Grid
Well:	#507H	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)	
12,900.0	90.00	179.56	10,950.0	-1,348.2	-1,762.2	1,717.6	0.00	0.00	0.00	
13,000.0	90.00	179.56	10,950.0	-1,448.2	-1,761.4	1,814.7	0.00	0.00	0.00	
13,100.0	90.00	179.56	10,950.0	-1,548.2	-1,760.6	1,911.9	0.00	0.00	0.00	
13,200.0	90.00	179.56	10,950.0	-1,648.2	-1,759.8	2,009.0	0.00	0.00	0.00	
13,300.0	90.00	179.56	10,950.0	-1,748.2	-1,759.1	2,106.1	0.00	0.00	0.00	
13,400.0	90.00	179.56	10,950.0	-1,848.2	-1,758.3	2,203.3	0.00	0.00	0.00	
13,500.0	90.00	179.56	10,950.0	-1,948.2	-1,757.5	2,300.4	0.00	0.00	0.00	
13,600.0	90.00	179.56	10,950.0	-2,048.2	-1,756.8	2,397.5	0.00	0.00	0.00	
13,700.0	90.00	179.56	10,950.0	-2,148.2	-1,756.0	2,494.7	0.00	0.00	0.00	
13,800.0	90.00	179.56	10,950.0	-2,248.2	-1,755.2	2,591.8	0.00	0.00	0.00	
13,900.0	90.00	179.56	10,950.0	-2,348.2	-1,754.5	2,688.9	0.00	0.00	0.00	
14,000.0	90.00	179.56	10,950.0	-2,448.2	-1,753.7	2,786.1	0.00	0.00	0.00	
14,100.0	90.00	179.56	10,950.0	-2,548.2	-1,752.9	2,883.2	0.00	0.00	0.00	
14,200.0	90.00	179.56	10,950.0	-2,648.2	-1,752.1	2,980.4	0.00	0.00	0.00	
14,300.0	90.00	179.56	10,950.0	-2,748.2	-1,751.4	3,077.5	0.00	0.00	0.00	
14,400.0	90.00	179.56	10,950.0	-2,848.2	-1,750.6	3,174.6	0.00	0.00	0.00	
14,500.0	90.00	179.56	10,950.0	-2,948.2	-1,749.8	3,271.8	0.00	0.00	0.00	
14,600.0	90.00	179.56	10,950.0	-3,048.2	-1,749.1	3,368.9	0.00	0.00	0.00	
14,700.0	90.00	179.56	10,950.0	-3,148.2	-1,748.3	3,466.0	0.00	0.00	0.00	
14,800.0	90.00	179.56	10,950.0	-3,248.2	-1,747.5	3,563.2	0.00	0.00	0.00	
14,900.0	90.00	179.56	10,950.0	-3,348.2	-1,746.8	3,660.3	0.00	0.00	0.00	
15,000.0	90.00	179.56	10,950.0	-3,448.2	-1,746.0	3,757.4	0.00	0.00	0.00	
15,100.0	90.00	179.56	10,950.0	-3,548.2	-1,745.2	3,854.6	0.00	0.00	0.00	
15,200.0	90.00	179.56	10,950.0	-3,648.1	-1,744.5	3,951.7	0.00	0.00	0.00	
15,300.0	90.00	179.56	10,950.0	-3,748.1	-1,743.7	4,048.8	0.00	0.00	0.00	
15,400.0	90.00	179.56	10,950.0	-3,848.1	-1,742.9	4,146.0	0.00	0.00	0.00	
15,500.0	90.00	179.56	10,950.0	-3,948.1	-1,742.1	4,243.1	0.00	0.00	0.00	
15,600.0	90.00	179.56	10,950.0	-4,048.1	-1,741.4	4,340.2	0.00	0.00	0.00	
15,700.0	90.00	179.56	10,950.0	-4,148.1	-1,740.6	4,437.4	0.00	0.00	0.00	
15,800.0	90.00	179.56	10,950.0	-4,248.1	-1,739.8	4,534.5	0.00	0.00	0.00	
15,900.0	90.00	179.56	10,950.0	-4,348.1	-1,739.1	4,631.7	0.00	0.00	0.00	
16,000.0	90.00	179.56	10,950.0	-4,448.1	-1,738.3	4,728.8	0.00	0.00	0.00	
16,100.0	90.00	179.56	10,950.0	-4,548.1	-1,737.5	4,825.9	0.00	0.00	0.00	
16,200.0	90.00	179.56	10,950.0	-4,648.1	-1,736.8	4,923.1	0.00	0.00	0.00	
16,300.0	90.00	179.56	10,950.0	-4,748.1	-1,736.0	5,020.2	0.00	0.00	0.00	
16,400.0	90.00	179.56	10,950.0	-4,848.1	-1,735.2	5,117.3	0.00	0.00	0.00	
16,500.0	90.00	179.56	10,950.0	-4,948.1	-1,734.4	5,214.5	0.00	0.00	0.00	
16,600.0	90.00	179.56	10,950.0	-5,048.1	-1,733.7	5,311.6	0.00	0.00	0.00	
16,700.0	90.00	179.56	10,950.0	-5,148.1	-1,732.9	5,408.7	0.00	0.00	0.00	
16,800.0	90.00	179.56	10,950.0	-5,248.1	-1,732.1	5,505.9	0.00	0.00	0.00	
16,900.0	90.00	179.56	10,950.0	-5,348.1	-1,731.4	5,603.0	0.00	0.00	0.00	
17,000.0	90.00	179.56	10,950.0	-5,448.1	-1,730.6	5,700.1	0.00	0.00	0.00	
17,100.0	90.00	179.56	10,950.0	-5,548.1	-1,729.8	5,797.3	0.00	0.00	0.00	
17,200.0	90.00	179.56	10,950.0	-5,648.1	-1,729.1	5,894.4	0.00	0.00	0.00	
17,300.0	90.00	179.56	10,950.0	-5,748.1	-1,728.3	5,991.5	0.00	0.00	0.00	
17,400.0	90.00	179.56	10,950.0	-5,848.1	-1,727.5	6,088.7	0.00	0.00	0.00	
17,500.0	90.00	179.56	10,950.0	-5,948.1	-1,726.7	6,185.8	0.00	0.00	0.00	
17,596.9	90.00	179.56	10,950.0	-6,045.0	-1,726.0	6,280.0	0.00	0.00	0.00	
Fed PP(Jup 19 FC #507H)										
17,600.0	90.00	179.56	10,950.0	-6,048.1	-1,726.0	6,283.0	0.01	0.00	0.01	
17,700.0	90.00	179.57	10,950.0	-6,148.1	-1,725.2	6,380.1	0.01	0.00	0.01	
17,800.0	90.00	179.58	10,950.0	-6,248.1	-1,724.5	6,477.2	0.01	0.00	0.01	
17,900.0	90.00	179.59	10,950.0	-6,348.1	-1,723.8	6,574.4	0.01	0.00	0.01	

EOG Resources

Planning Report



Database:	EDM 5000.14	Local Co-ordinate Reference	Well #507H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3575.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3575.0usft
Site:	Jupiter 19 Fed Com	North Reference:	Grid
Well:	#507H	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)	
18,000.0	90.00	179.60	10,950.0	-6,448.1	-1,723.0	6,671.5	0.01	0.00	0.01	
18,100.0	90.00	179.61	10,950.0	-6,548.1	-1,722.4	6,768.7	0.01	0.00	0.01	
18,200.0	90.00	179.62	10,950.0	-6,648.1	-1,721.7	6,865.8	0.01	0.00	0.01	
18,300.0	90.00	179.63	10,950.0	-6,748.1	-1,721.0	6,963.0	0.01	0.00	0.01	
18,400.0	90.00	179.64	10,950.0	-6,848.1	-1,720.4	7,060.2	0.01	0.00	0.01	
18,500.0	90.00	179.66	10,950.0	-6,948.1	-1,719.8	7,157.3	0.01	0.00	0.01	
18,600.0	90.00	179.67	10,950.0	-7,048.1	-1,719.2	7,254.5	0.01	0.00	0.01	
18,700.0	90.00	179.68	10,950.0	-7,148.1	-1,718.6	7,351.7	0.01	0.00	0.01	
18,800.0	90.00	179.69	10,950.0	-7,248.0	-1,718.1	7,448.9	0.01	0.00	0.01	
18,815.9	90.00	179.69	10,950.0	-7,264.0	-1,718.0	7,464.4	0.01	0.00	0.01	
PBHL(Jup 19 FC #507H) - PBHL sz(Jup 19 FC #507H)										

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(Jup 19 FC #507H) - hit/miss target - Shape - Point	0.00	0.00	10,472.5	502.0	-1,775.0	441,172.00	795,965.00	32° 12' 36.641 N	103° 30' 36.185 W
FTP(Jup 19 FC #507H) - plan hits target center - Point	0.00	0.00	10,685.2	452.0	-1,775.0	441,122.00	795,965.00	32° 12' 36.146 N	103° 30' 36.190 W
Fed PP(Jup 19 FC #507) - plan hits target center - Point	0.00	0.00	10,950.0	-6,045.0	-1,726.0	434,625.00	796,014.00	32° 11' 31.854 N	103° 30' 36.198 W
PBHL(Jup 19 FC #507H) - plan hits target center - Point	0.00	0.00	10,950.0	-7,264.0	-1,718.0	433,406.00	796,022.00	32° 11' 19.791 N	103° 30' 36.214 W

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 19584

CONDITIONS OF APPROVAL

Operator:	EOG RESOURCES INC	P.O. Box 2267	Midland, TX79702	OGRID:	7377	Action Number:	19584	Action Type:	C-103A
OCD Reviewer									Condition
pkautz									None