

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 87401

District IV - (505) 476-3460

1220 S. St. Francis Dr., Santa Fe, NM

87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

Revised July 18, 2013

HOBBS OGD

JUL 18 2019

RECEIVED

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

WELL API NO. 30-025-46037
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. 325730
7. Lease Name or Unit Agreement Name TAIPAN 31 STATE
8. Well Number 502H
9. OGRID Number 7377
10. Pool name or Wildcat 97964 WC-025 G-07 S243225C; LWR BONE SPRING

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

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

2. Name of Operator
EOG Resources

3. Address of Operator
PO BOX 2267, MIDLAND, TX 79702

4. Well Location
Unit Letter M : 678 feet from the SOUTH line and 709 feet from the FWL line
Section 31 Township 24S Range 33E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3514 GL

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: CHANGES TO BHL ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

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

EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes:
BHL change from Sec. 31 T-24-S R-33-E 100' FNL 1035' FWL to Sec. 31 T-24-S R-33-E 100' FNL 450' FWL

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 07/16/19

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

APPROVED BY: Petroleum Engineer TITLE Petroleum Engineer DATE 07/22/19
Conditions of Approval (if any):

EOG RESOURCES, INC.
Taipan 31 State #502H

HOBBS OCD

Lea County, New Mexico

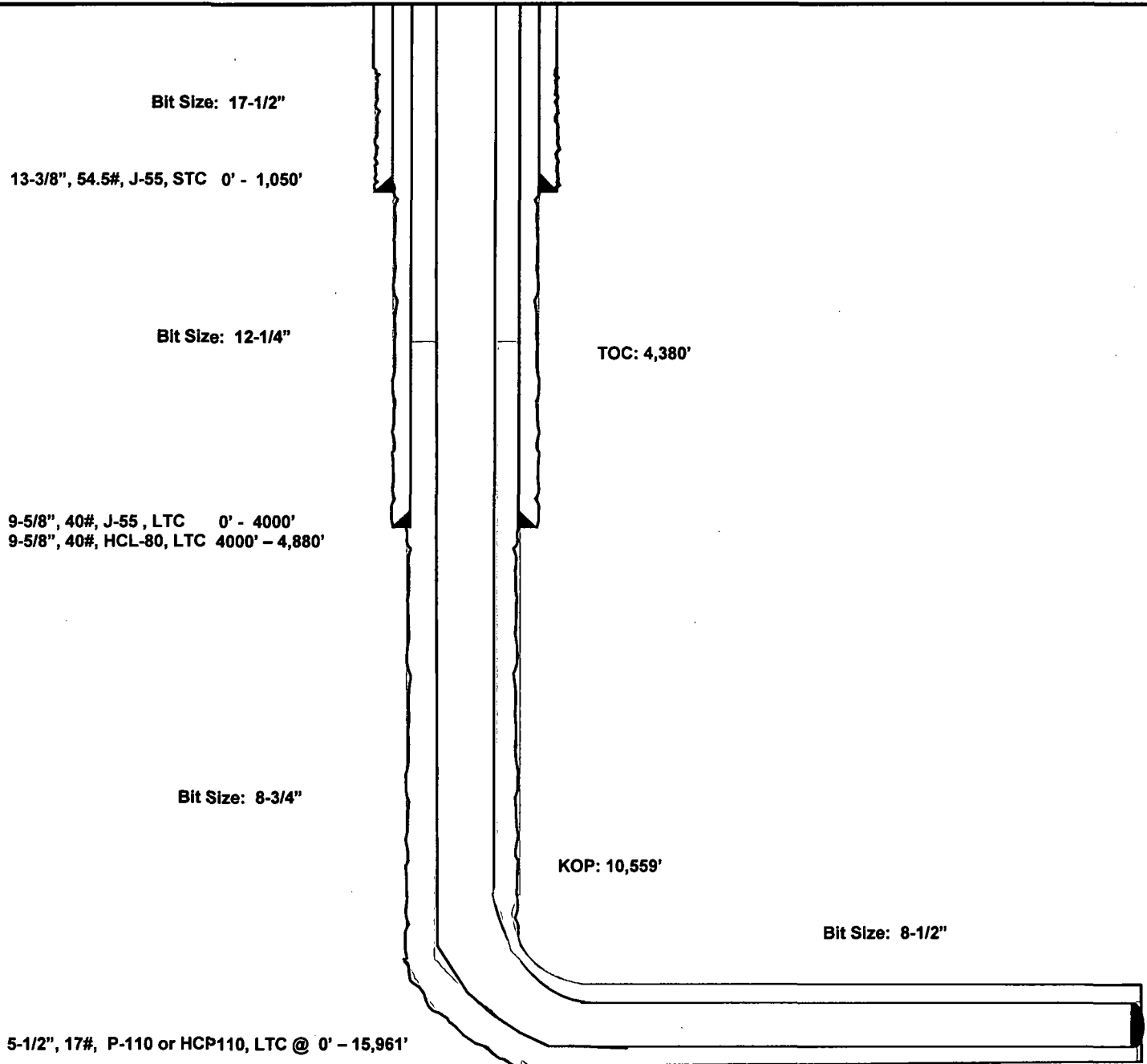
JUL 18 2019

Revised Wellbore 7/11/2019 **RECEIVED**

678' FSL
709' FWL
Section 31
T-24-S, R-33-E

API: 30-025-46037

KB: 3,539'
GL: 3,514'



Lateral: 15,961' MD, 11,012' TVD
BH Location: 100' FNL & 450' FWL
Section 31
T-24-S, R-33-E

EOG RESOURCES, INC.
Taipan 31 State #502H

HOBBS OCD

JUL 18 2019

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Revised Permit Information 7/11/2019:

Well Name: Taipan 31 State No. 502H

Location:

SHL: 678' FSL & 709' FWL, Section 31, T-24-S, R-33-E, Lea Co., N.M.

BHL: 100' FNL & 450' FWL, Section 31, 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' - 1,050'	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' - 4,880'	9.625"	40#	HCL-80	LTC	1.125	1.25	1.60
8.75"	0' - 11,309'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60
8.5	11,309' - 15,961'	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
1,050'	444	13.5	1.73	Lead: Class C + 4.0% Bentonite + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	157	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
4,880'	439	9.0	3.5	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	333	14.4	1.20	Tail: Class C + 10% NaCl + 3% MagOx
15,961'	604	11.0	3.21	Lead: Class C + 3% CaCl ₂ + 3% Microbond (TOC @ 4,380')
	1426	14.4	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' - 1,050'	Fresh - Gel	8.6-8.8	28-34	N/c
1,050' - 4,880'	Brine	10.0-10.2	28-34	N/c
4,880' - 10,559'	Cut Brine	8.4-9.0	28-34	N/c
10,559' - 15,961' Lateral	Oil Base	9.0-9.5	40-42	8-10



HOBBS OCD

JUL 18 2019

RECEIVED

EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Taipan 31 State

#502H

OH

Plan: Plan #0.1

Standard Planning Report

16 July, 2019

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #502H
Company:	EOG Resources - Midland	TVD Reference:	KB =25 @ 3539.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB =25 @ 3539.0usft
Site:	Taipan 31 State	North Reference:	Grid
Well:	#502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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		Taipan 31 State				
Site Position:		Northing:	425,864.00 usft	Latitude:	32° 10' 7.514 N	
From:	Map	Easting:	762,787.00 usft	Longitude:	103° 37' 3.528 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.38 °

Well		#502H				
Well Position	+N/-S	0.0 usft	Northing:	425,864.00 usft	Latitude:	32° 10' 7.512 N
	+E/-W	33.0 usft	Easting:	762,820.00 usft	Longitude:	103° 37' 3.145 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,514.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/14/2019	6.78	59.98	47,721.08093002

Design	Plan #0.1			
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	356.29

Plan Survey Tool Program	Date 7/16/2019			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	15,961.0 Plan #0.1 (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	
1,150.0	0.00	0.00	1,150.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,361.2	4.22	202.02	1,361.0	-7.2	-2.9	2.00	2.00	0.00	202.02	
10,348.1	4.22	202.02	10,323.5	-620.8	-251.1	0.00	0.00	0.00	0.00	
10,559.3	0.00	0.00	10,534.5	-628.0	-254.0	2.00	-2.00	0.00	180.00	KOP(Taipan 31 State
11,309.3	90.00	359.58	11,012.0	-150.6	-257.5	12.00	12.00	-0.06	359.58	
15,961.0	90.00	359.58	11,012.0	4,501.0	-292.0	0.00	0.00	0.00	0.00	PBHL(Taipan 31 State



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #502H
Company:	EOG Resources - Midland	TVD Reference:	KB =25 @ 3539.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB =25 @ 3539.0usft
Site:	Taipan 31 State	North Reference:	Grid
Well:	#502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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
1,150.0	0.00	0.00	1,150.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	1.00	202.02	1,200.0	-0.4	-0.2	-0.4	2.00	2.00	0.00
1,300.0	3.00	202.02	1,299.9	-3.6	-1.5	-3.5	2.00	2.00	0.00
1,361.2	4.22	202.02	1,361.0	-7.2	-2.9	-7.0	2.00	2.00	0.00
1,400.0	4.22	202.02	1,399.7	-9.9	-4.0	-9.6	0.00	0.00	0.00
1,500.0	4.22	202.02	1,499.4	-16.7	-8.8	-16.2	0.00	0.00	0.00
1,600.0	4.22	202.02	1,599.2	-23.5	-9.5	-22.9	0.00	0.00	0.00
1,700.0	4.22	202.02	1,698.9	-30.3	-12.3	-29.5	0.00	0.00	0.00
1,800.0	4.22	202.02	1,798.6	-37.2	-15.0	-36.1	0.00	0.00	0.00
1,900.0	4.22	202.02	1,898.3	-44.0	-17.8	-42.8	0.00	0.00	0.00
2,000.0	4.22	202.02	1,998.1	-50.8	-20.6	-49.4	0.00	0.00	0.00
2,100.0	4.22	202.02	2,097.8	-57.7	-23.3	-56.0	0.00	0.00	0.00
2,200.0	4.22	202.02	2,197.5	-64.5	-26.1	-62.7	0.00	0.00	0.00
2,300.0	4.22	202.02	2,297.3	-71.3	-28.8	-69.3	0.00	0.00	0.00
2,400.0	4.22	202.02	2,397.0	-78.1	-31.6	-75.9	0.00	0.00	0.00
2,500.0	4.22	202.02	2,496.7	-85.0	-34.4	-82.6	0.00	0.00	0.00
2,600.0	4.22	202.02	2,596.4	-91.8	-37.1	-89.2	0.00	0.00	0.00
2,700.0	4.22	202.02	2,696.2	-98.6	-39.9	-95.8	0.00	0.00	0.00
2,800.0	4.22	202.02	2,795.9	-105.4	-42.6	-102.5	0.00	0.00	0.00
2,900.0	4.22	202.02	2,895.6	-112.3	-45.4	-109.1	0.00	0.00	0.00
3,000.0	4.22	202.02	2,995.4	-119.1	-48.2	-115.7	0.00	0.00	0.00
3,100.0	4.22	202.02	3,095.1	-125.9	-50.9	-122.4	0.00	0.00	0.00
3,200.0	4.22	202.02	3,194.8	-132.8	-53.7	-129.0	0.00	0.00	0.00
3,300.0	4.22	202.02	3,294.5	-139.6	-56.5	-135.6	0.00	0.00	0.00
3,400.0	4.22	202.02	3,394.3	-146.4	-59.2	-142.3	0.00	0.00	0.00
3,500.0	4.22	202.02	3,494.0	-153.2	-62.0	-148.9	0.00	0.00	0.00
3,600.0	4.22	202.02	3,593.7	-160.1	-64.7	-155.5	0.00	0.00	0.00
3,700.0	4.22	202.02	3,693.5	-166.9	-67.5	-162.2	0.00	0.00	0.00
3,800.0	4.22	202.02	3,793.2	-173.7	-70.3	-168.8	0.00	0.00	0.00
3,900.0	4.22	202.02	3,892.9	-180.5	-73.0	-175.4	0.00	0.00	0.00
4,000.0	4.22	202.02	3,992.6	-187.4	-75.8	-182.1	0.00	0.00	0.00
4,100.0	4.22	202.02	4,092.4	-194.2	-78.5	-188.7	0.00	0.00	0.00
4,200.0	4.22	202.02	4,192.1	-201.0	-81.3	-195.3	0.00	0.00	0.00
4,300.0	4.22	202.02	4,291.8	-207.9	-84.1	-202.0	0.00	0.00	0.00
4,400.0	4.22	202.02	4,391.6	-214.7	-86.8	-208.6	0.00	0.00	0.00
4,500.0	4.22	202.02	4,491.3	-221.5	-89.6	-215.2	0.00	0.00	0.00
4,600.0	4.22	202.02	4,591.0	-228.3	-92.4	-221.9	0.00	0.00	0.00
4,700.0	4.22	202.02	4,690.7	-235.2	-95.1	-228.5	0.00	0.00	0.00
4,800.0	4.22	202.02	4,790.5	-242.0	-97.9	-235.2	0.00	0.00	0.00
4,900.0	4.22	202.02	4,890.2	-248.8	-100.6	-241.8	0.00	0.00	0.00
5,000.0	4.22	202.02	4,989.9	-255.6	-103.4	-248.4	0.00	0.00	0.00
5,100.0	4.22	202.02	5,089.7	-262.5	-106.2	-255.1	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #502H
Company:	EOG Resources - Midland	TVD Reference:	KB =25 @ 3539.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB =25 @ 3539.0usft
Site:	Taipan 31 State	North Reference:	Grid
Well:	#502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	4.22	202.02	5,189.4	-269.3	-108.9	-261.7	0.00	0.00	0.00
5,300.0	4.22	202.02	5,289.1	-276.1	-111.7	-268.3	0.00	0.00	0.00
5,400.0	4.22	202.02	5,388.8	-283.0	-114.4	-275.0	0.00	0.00	0.00
5,500.0	4.22	202.02	5,488.6	-289.8	-117.2	-281.6	0.00	0.00	0.00
5,600.0	4.22	202.02	5,588.3	-296.6	-120.0	-288.2	0.00	0.00	0.00
5,700.0	4.22	202.02	5,688.0	-303.4	-122.7	-294.9	0.00	0.00	0.00
5,800.0	4.22	202.02	5,787.8	-310.3	-125.5	-301.5	0.00	0.00	0.00
5,900.0	4.22	202.02	5,887.5	-317.1	-128.3	-308.1	0.00	0.00	0.00
6,000.0	4.22	202.02	5,987.2	-323.9	-131.0	-314.8	0.00	0.00	0.00
6,100.0	4.22	202.02	6,086.9	-330.8	-133.8	-321.4	0.00	0.00	0.00
6,200.0	4.22	202.02	6,186.7	-337.6	-136.5	-328.0	0.00	0.00	0.00
6,300.0	4.22	202.02	6,286.4	-344.4	-139.3	-334.7	0.00	0.00	0.00
6,400.0	4.22	202.02	6,386.1	-351.2	-142.1	-341.3	0.00	0.00	0.00
6,500.0	4.22	202.02	6,485.9	-358.1	-144.8	-347.9	0.00	0.00	0.00
6,600.0	4.22	202.02	6,585.6	-364.9	-147.6	-354.6	0.00	0.00	0.00
6,700.0	4.22	202.02	6,685.3	-371.7	-150.3	-361.2	0.00	0.00	0.00
6,800.0	4.22	202.02	6,785.0	-378.5	-153.1	-367.8	0.00	0.00	0.00
6,900.0	4.22	202.02	6,884.8	-385.4	-155.9	-374.5	0.00	0.00	0.00
7,000.0	4.22	202.02	6,984.5	-392.2	-158.6	-381.1	0.00	0.00	0.00
7,100.0	4.22	202.02	7,084.2	-399.0	-161.4	-387.7	0.00	0.00	0.00
7,200.0	4.22	202.02	7,184.0	-405.9	-164.2	-394.4	0.00	0.00	0.00
7,300.0	4.22	202.02	7,283.7	-412.7	-166.9	-401.0	0.00	0.00	0.00
7,400.0	4.22	202.02	7,383.4	-419.5	-169.7	-407.6	0.00	0.00	0.00
7,500.0	4.22	202.02	7,483.1	-426.3	-172.4	-414.3	0.00	0.00	0.00
7,600.0	4.22	202.02	7,582.9	-433.2	-175.2	-420.9	0.00	0.00	0.00
7,700.0	4.22	202.02	7,682.6	-440.0	-178.0	-427.5	0.00	0.00	0.00
7,800.0	4.22	202.02	7,782.3	-446.8	-180.7	-434.2	0.00	0.00	0.00
7,900.0	4.22	202.02	7,882.1	-453.6	-183.5	-440.8	0.00	0.00	0.00
8,000.0	4.22	202.02	7,981.8	-460.5	-186.2	-447.4	0.00	0.00	0.00
8,100.0	4.22	202.02	8,081.5	-467.3	-189.0	-454.1	0.00	0.00	0.00
8,200.0	4.22	202.02	8,181.2	-474.1	-191.8	-460.7	0.00	0.00	0.00
8,300.0	4.22	202.02	8,281.0	-481.0	-194.5	-467.4	0.00	0.00	0.00
8,400.0	4.22	202.02	8,380.7	-487.8	-197.3	-474.0	0.00	0.00	0.00
8,500.0	4.22	202.02	8,480.4	-494.6	-200.0	-480.6	0.00	0.00	0.00
8,600.0	4.22	202.02	8,580.2	-501.4	-202.8	-487.3	0.00	0.00	0.00
8,700.0	4.22	202.02	8,679.9	-508.3	-205.6	-493.9	0.00	0.00	0.00
8,800.0	4.22	202.02	8,779.6	-515.1	-208.3	-500.5	0.00	0.00	0.00
8,900.0	4.22	202.02	8,879.3	-521.9	-211.1	-507.2	0.00	0.00	0.00
9,000.0	4.22	202.02	8,979.1	-528.7	-213.9	-513.8	0.00	0.00	0.00
9,100.0	4.22	202.02	9,078.8	-535.6	-216.6	-520.4	0.00	0.00	0.00
9,200.0	4.22	202.02	9,178.5	-542.4	-219.4	-527.1	0.00	0.00	0.00
9,300.0	4.22	202.02	9,278.2	-549.2	-222.1	-533.7	0.00	0.00	0.00
9,400.0	4.22	202.02	9,378.0	-556.1	-224.9	-540.3	0.00	0.00	0.00
9,500.0	4.22	202.02	9,477.7	-562.9	-227.7	-547.0	0.00	0.00	0.00
9,600.0	4.22	202.02	9,577.4	-569.7	-230.4	-553.6	0.00	0.00	0.00
9,700.0	4.22	202.02	9,677.2	-576.5	-233.2	-560.2	0.00	0.00	0.00
9,800.0	4.22	202.02	9,776.9	-583.4	-235.9	-566.9	0.00	0.00	0.00
9,900.0	4.22	202.02	9,876.6	-590.2	-238.7	-573.5	0.00	0.00	0.00
10,000.0	4.22	202.02	9,976.3	-597.0	-241.5	-580.1	0.00	0.00	0.00
10,100.0	4.22	202.02	10,076.1	-603.8	-244.2	-586.8	0.00	0.00	0.00
10,200.0	4.22	202.02	10,175.8	-610.7	-247.0	-593.4	0.00	0.00	0.00
10,300.0	4.22	202.02	10,275.5	-617.5	-249.8	-600.0	0.00	0.00	0.00
10,348.1	4.22	202.02	10,323.5	-620.8	-251.1	-603.2	0.00	0.00	0.00
10,400.0	3.19	202.02	10,375.3	-623.9	-252.3	-606.3	2.00	-2.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #502H
Company:	EOG Resources - Midland	TVD Reference:	KB =25 @ 3539.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB =25 @ 3539.0usft
Site:	Taipan 31 State	North Reference:	Grid
Well:	#502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
10,500.0	1.19	202.02	10,475.2	-627.4	-253.8	-609.7	2.00	-2.00	0.00
10,559.3	0.00	0.00	10,534.5	-628.0	-254.0	-610.2	2.00	-2.00	0.00
KOP(Taipan 31 State #502H)									
10,575.0	1.89	359.58	10,550.2	-627.7	-254.0	-610.0	12.00	12.00	0.00
10,600.0	4.89	359.58	10,575.2	-626.3	-254.0	-608.5	12.00	12.00	0.00
10,625.0	7.89	359.58	10,600.0	-623.5	-254.0	-605.7	12.00	12.00	0.00
10,650.0	10.89	359.58	10,624.7	-619.4	-254.1	-601.7	12.00	12.00	0.00
10,675.0	13.89	359.58	10,649.1	-614.0	-254.1	-596.3	12.00	12.00	0.00
10,700.0	16.89	359.58	10,673.2	-607.4	-254.2	-589.7	12.00	12.00	0.00
10,725.0	19.89	359.58	10,696.9	-599.5	-254.2	-581.8	12.00	12.00	0.00
10,750.0	22.89	359.58	10,720.2	-590.4	-254.3	-572.7	12.00	12.00	0.00
10,775.0	25.89	359.58	10,742.9	-580.1	-254.4	-562.4	12.00	12.00	0.00
10,800.0	28.89	359.58	10,765.1	-568.6	-254.4	-550.9	12.00	12.00	0.00
10,825.0	31.89	359.58	10,786.7	-556.0	-254.5	-538.3	12.00	12.00	0.00
10,850.0	34.89	359.58	10,807.6	-542.2	-254.6	-524.6	12.00	12.00	0.00
10,875.0	37.89	359.58	10,827.7	-527.4	-254.7	-509.8	12.00	12.00	0.00
10,900.0	40.89	359.58	10,847.0	-511.5	-254.9	-493.9	12.00	12.00	0.00
10,925.0	43.89	359.58	10,865.5	-494.7	-255.0	-477.1	12.00	12.00	0.00
10,950.0	46.89	359.58	10,883.0	-476.9	-255.1	-459.4	12.00	12.00	0.00
10,958.5	47.91	359.58	10,888.8	-470.6	-255.2	-453.1	12.00	12.00	0.00
FTP(Taipan 31 State #502H)									
10,975.0	49.89	359.58	10,899.6	-458.2	-255.3	-440.7	12.00	12.00	0.00
11,000.0	52.89	359.58	10,915.2	-438.6	-255.4	-421.2	12.00	12.00	0.00
11,025.0	55.89	359.58	10,929.8	-418.3	-255.6	-400.9	12.00	12.00	0.00
11,050.0	58.89	359.58	10,943.3	-397.3	-255.7	-379.9	12.00	12.00	0.00
11,075.0	61.89	359.58	10,955.6	-375.5	-255.9	-358.2	12.00	12.00	0.00
11,100.0	64.89	359.58	10,966.8	-353.2	-256.0	-335.9	12.00	12.00	0.00
11,125.0	67.89	359.58	10,976.8	-330.3	-256.2	-313.0	12.00	12.00	0.00
11,150.0	70.89	359.58	10,985.6	-306.9	-256.4	-289.7	12.00	12.00	0.00
11,175.0	73.89	359.58	10,993.2	-283.1	-256.6	-265.9	12.00	12.00	0.00
11,200.0	76.89	359.58	10,999.5	-258.9	-256.7	-241.7	12.00	12.00	0.00
11,225.0	79.89	359.58	11,004.5	-234.4	-256.9	-217.3	12.00	12.00	0.00
11,250.0	82.89	359.58	11,008.3	-209.7	-257.1	-192.6	12.00	12.00	0.00
11,275.0	85.89	359.58	11,010.7	-184.8	-257.3	-167.8	12.00	12.00	0.00
11,300.0	88.89	359.58	11,011.9	-159.8	-257.5	-142.8	12.00	12.00	0.00
11,309.3	90.00	359.58	11,012.0	-150.6	-257.5	-133.6	12.00	12.00	0.00
11,400.0	90.00	359.58	11,012.0	-59.8	-258.2	-43.0	0.00	0.00	0.00
11,500.0	90.00	359.58	11,012.0	40.2	-259.0	56.8	0.00	0.00	0.00
11,600.0	90.00	359.58	11,012.0	140.2	-259.7	156.7	0.00	0.00	0.00
11,700.0	90.00	359.58	11,012.0	240.2	-260.4	256.5	0.00	0.00	0.00
11,800.0	90.00	359.58	11,012.0	340.2	-261.2	356.3	0.00	0.00	0.00
11,900.0	90.00	359.58	11,012.0	440.1	-261.9	456.2	0.00	0.00	0.00
12,000.0	90.00	359.58	11,012.0	540.1	-262.7	556.0	0.00	0.00	0.00
12,100.0	90.00	359.58	11,012.0	640.1	-263.4	655.9	0.00	0.00	0.00
12,200.0	90.00	359.58	11,012.0	740.1	-264.1	755.7	0.00	0.00	0.00
12,300.0	90.00	359.58	11,012.0	840.1	-264.9	855.5	0.00	0.00	0.00
12,400.0	90.00	359.58	11,012.0	940.1	-265.6	955.4	0.00	0.00	0.00
12,500.0	90.00	359.58	11,012.0	1,040.1	-266.4	1,055.2	0.00	0.00	0.00
12,600.0	90.00	359.58	11,012.0	1,140.1	-267.1	1,155.0	0.00	0.00	0.00
12,700.0	90.00	359.58	11,012.0	1,240.1	-267.8	1,254.9	0.00	0.00	0.00
12,800.0	90.00	359.58	11,012.0	1,340.1	-268.6	1,354.7	0.00	0.00	0.00
12,900.0	90.00	359.58	11,012.0	1,440.1	-269.3	1,454.5	0.00	0.00	0.00
13,000.0	90.00	359.58	11,012.0	1,540.1	-270.1	1,554.4	0.00	0.00	0.00
13,100.0	90.00	359.58	11,012.0	1,640.1	-270.8	1,654.2	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #502H
Company:	EOG Resources - Midland	TVD Reference:	KB =25 @ 3539.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB =25 @ 3539.0usft
Site:	Taipan 31 State	North Reference:	Grid
Well:	#502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
13,200.0	90.00	359.58	11,012.0	1,740.1	-271.5	1,754.0	0.00	0.00	0.00
13,300.0	90.00	359.58	11,012.0	1,840.1	-272.3	1,853.9	0.00	0.00	0.00
13,400.0	90.00	359.58	11,012.0	1,940.1	-273.0	1,953.7	0.00	0.00	0.00
13,500.0	90.00	359.58	11,012.0	2,040.1	-273.8	2,053.5	0.00	0.00	0.00
13,600.0	90.00	359.58	11,012.0	2,140.1	-274.5	2,153.4	0.00	0.00	0.00
13,700.0	90.00	359.58	11,012.0	2,240.1	-275.2	2,253.2	0.00	0.00	0.00
13,800.0	90.00	359.58	11,012.0	2,340.1	-276.0	2,353.1	0.00	0.00	0.00
13,900.0	90.00	359.58	11,012.0	2,440.1	-276.7	2,452.9	0.00	0.00	0.00
14,000.0	90.00	359.58	11,012.0	2,540.1	-277.5	2,552.7	0.00	0.00	0.00
14,100.0	90.00	359.58	11,012.0	2,640.1	-278.2	2,652.6	0.00	0.00	0.00
14,200.0	90.00	359.58	11,012.0	2,740.1	-279.0	2,752.4	0.00	0.00	0.00
14,300.0	90.00	359.58	11,012.0	2,840.1	-279.7	2,852.2	0.00	0.00	0.00
14,400.0	90.00	359.58	11,012.0	2,940.1	-280.4	2,952.1	0.00	0.00	0.00
14,500.0	90.00	359.58	11,012.0	3,040.1	-281.2	3,051.9	0.00	0.00	0.00
14,600.0	90.00	359.58	11,012.0	3,140.1	-281.9	3,151.7	0.00	0.00	0.00
14,700.0	90.00	359.58	11,012.0	3,240.1	-282.7	3,251.6	0.00	0.00	0.00
14,800.0	90.00	359.58	11,012.0	3,340.1	-283.4	3,351.4	0.00	0.00	0.00
14,900.0	90.00	359.58	11,012.0	3,440.1	-284.1	3,451.2	0.00	0.00	0.00
15,000.0	90.00	359.58	11,012.0	3,540.1	-284.9	3,551.1	0.00	0.00	0.00
15,100.0	90.00	359.58	11,012.0	3,640.1	-285.6	3,650.9	0.00	0.00	0.00
15,200.0	90.00	359.58	11,012.0	3,740.1	-286.4	3,750.8	0.00	0.00	0.00
15,300.0	90.00	359.58	11,012.0	3,840.1	-287.1	3,850.6	0.00	0.00	0.00
15,400.0	90.00	359.58	11,012.0	3,940.1	-287.8	3,950.4	0.00	0.00	0.00
15,500.0	90.00	359.58	11,012.0	4,040.0	-288.6	4,050.3	0.00	0.00	0.00
15,600.0	90.00	359.58	11,012.0	4,140.0	-289.3	4,150.1	0.00	0.00	0.00
15,700.0	90.00	359.58	11,012.0	4,240.0	-290.1	4,249.9	0.00	0.00	0.00
15,800.0	90.00	359.58	11,012.0	4,340.0	-290.8	4,349.8	0.00	0.00	0.00
15,900.0	90.00	359.58	11,012.0	4,440.0	-291.5	4,449.6	0.00	0.00	0.00
15,961.0	90.00	359.58	11,012.0	4,501.0	-292.0	4,510.5	0.00	0.00	0.00
PBHL(Taipan 31 State #502H)									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Eastng (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
KOP(Taipan 31 State #5 - plan hits target center - Point	0.00	0.00	10,534.5	-628.0	-254.0	425,236.00	762,566.00	32° 10' 1.314 N	103° 37' 6.148 W
PBHL(Taipan 31 State # - plan hits target center - Point	0.00	0.01	11,012.0	4,501.0	-292.0	430,365.00	762,528.00	32° 10' 52.070 N	103° 37' 6.194 W
FTP(Taipan 31 State #5(- plan misses target center by 164.8usft at 10958.5usft MD (10888.8 TVD, -470.6 N, -255.2 E) - Point	0.00	0.00	11,012.0	-580.0	-254.0	425,284.00	762,566.00	32° 10' 1.789 N	103° 37' 6.144 W



Lea County, NM (NAD 83 NME)

Taipan 31 State #502H

Plan #0.1

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: #502H

KB = 25 @ 3538.0usft 3514.0
Northing 425864.00 Easting 762820.00 Latitude 32° 10' 7.512 N Longitude 103° 37' 3.145 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1150.0	0.00	0.00	1150.0	0.0	0.0	0.00	0.00	0.0	
3	1361.2	4.22	202.02	1361.0	-7.2	-2.9	2.00	202.02	-7.0	
4	10345.1	4.22	202.02	10323.5	-620.8	-251.1	0.00	0.00	-603.2	KOP(Taipan 31 State #502H)
5	10359.3	0.00	0.00	10334.5	-628.0	-254.0	2.00	180.00	-610.2	
6	11309.3	90.00	359.58	11012.0	-150.6	-257.5	12.00	359.58	-133.6	PBHL(Taipan 31 State #502H)
7	15961.0	90.00	359.58	11012.0	4501.0	-292.0	0.00	4510.5		

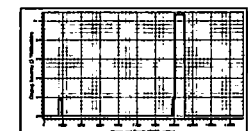
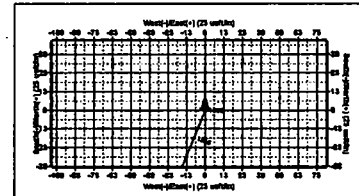
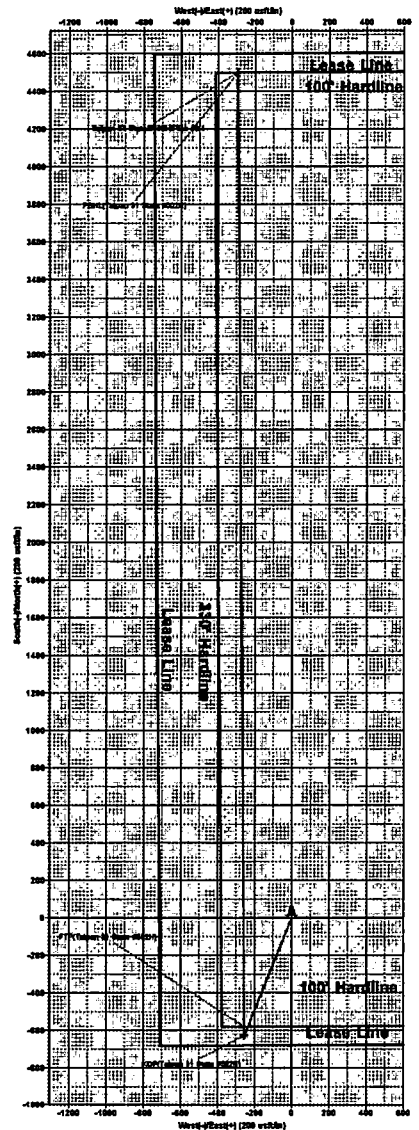
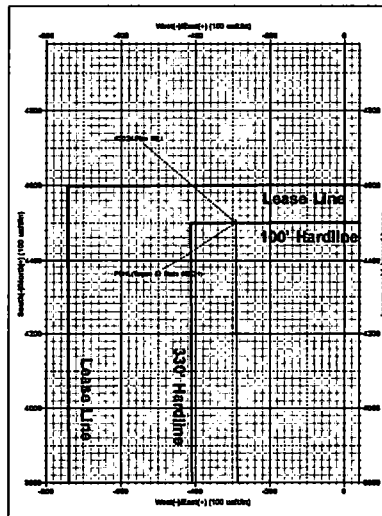
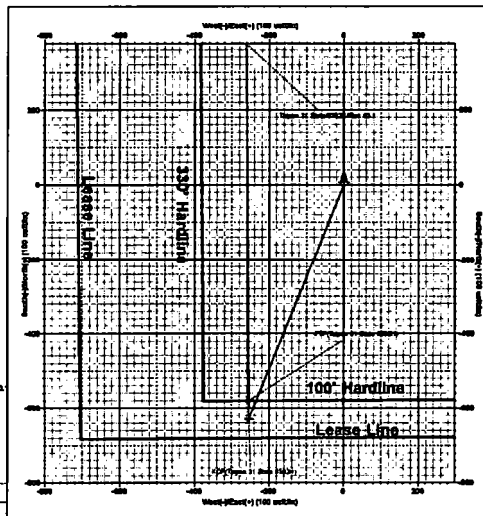
To convert a Magnetic Direction to a Grid Direction, Add 6.40°
To convert a Magnetic Direction to a True Direction, Add 6.78° East
To convert a True Direction to a Grid Direction, Subtract 0.38°

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(Taipan 31 State #502H)	10334.5	-628.0	-254.0	425236.00	762566.00
PBHL(Taipan 31 State #502H)	11012.0	4501.0	-292.0	430363.00	762326.00
FTP(Taipan 31 State #502H)	11012.0	-650.0	-254.0	425294.00	762566.00



Lea County, NM (NAD 83 NME)
Taipan 31 State #502H
Plan #0.1