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

HOBBS OCD
JUL 18 2019
RECEIVED

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

WELL API NO. 30-025-46099
5. Indicate Type of Lease STATE [X] FEE [ ]
6. State Oil & Gas Lease No. 325730

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.)

7. Lease Name or Unit Agreement Name: TAIPAN 31 STATE
1. Type of Well: Oil Well [X] Gas Well [ ] Other
8. Well Number: #503H
2. Name of Operator: EOG RESOURCES
9. OGRID Number: 7377
3. Address of Operator: P O BOX 2267, MIDLAND TX 79702
10. Pool name or Wildcat: 97964] WC-025 G-07 S243225C; LWR BONE SPRIN
4. Well Location
Unit Letter M : 678 feet from the SOUTH line and 742 feet from the WEST line
Section 31 Township 24S Range 33E NMPM County LEA CO NM
11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3515 GL

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.	[X]	P AND A	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPL	[ ]	CASING/CEMENT JOB	[X]		
DOWNHOLE COMMINGLE	[ ]						
CLOSED-LOOP SYSTEM	[ ]						
OTHER:		CHANGE - BHL	[X]	OTHER:			[X]

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 1620' FWL to Sec. 31 T-24-S R-33-E 100' FNL 1325' F

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@eogresources.com PHONE: 432-848-9163

For State Use Only

APPROVED BY: TITLE Petroleum Engineer DATE 07/22/19

Conditions of Approval (if any):

EOG RESOURCES, INC.
Taipan 31 State #503H
Lea County, New Mexico

HOBBS OCD
JUL 18 2019
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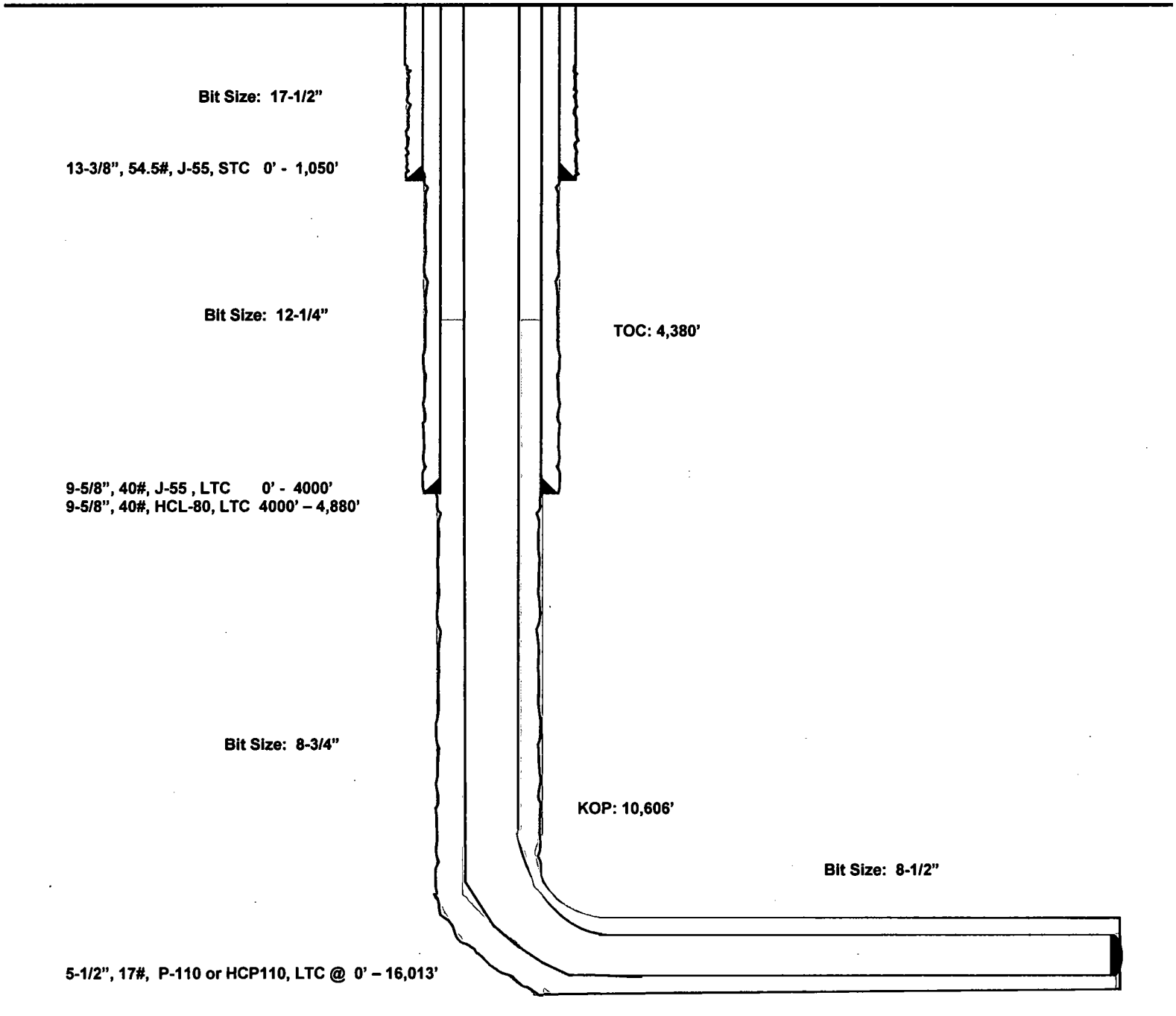
Revised Wellbore 7/11/2019

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

API: 30-025-46099

KB: 3,540'
GL: 3,515'



Lateral: 16,013' MD, 11,021' TVD
BH Location: 100' FNL & 1325' FWL
Section 31
T-24-S, R-33-E

EOG RESOURCES, INC.
Taipan 31 State #503H

HOBBS OCD
HOBBS OCD
JUL 18 2019
RECEIVED

Revised Permit Information 7/11/2019:

Well Name: Taipan 31 State No. 503H

Location:
SHL: 678' FSL & 742' FWL, Section 31, T-24-S, R-33-E, Lea Co., N.M.
BHL: 100' FNL & 1325' 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"	4,000' – 4,880'	9.625"	40#	HCL-80	LTC	1.125	1.25	1.60
8.75"	0'– 11,356'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60
8.5	11,356'- 16,013'	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
16,013'	604	11.0	3.21	Lead: Class C + 3% CaCl2 + 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' – 10,606'	Cut Brine	8.4-9.0	28-34	N/c
10,606' – 16,013' Lateral	Oil Base	9.0-9.5	40-42	8-10

EOG RESOURCES, INC.
Taipan 31 State #503H

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.

EOG RESOURCES, INC.
Taipan 31 State #503H

- Mud program:
  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.
Taipan 31 State #503H
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 Dominque	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

EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Taipan 31 State
#503H

OH

Plan: Plan #0.1

Standard Planning Report

16 July, 2019

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #503H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3534.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3534.0usft
Site:	Taipan 31 State	**North Reference:**	Grid
Well:	#503H	**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	#503H					
Well Position	**+N/-S**	0.0 usft	**Northing:**	425,864.00 usft	**Latitude:**	32° 10' 7.509 N
	+E/-W	66.0 usft	**Easting:**	762,853.00 usft	**Longitude:**	103° 37' 2.761 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,515.0 usft

Wellbore	OH			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	6/6/2019	6.76	59.98	47,697.45506919

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	10.48	

Plan Survey Tool Program **Date** 7/16/2019

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	16,012.9	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	
1,577.5	8.55	136.88	1,576.0	-23.2	21.8	2.00	2.00	0.00	136.88	
6,935.2	8.55	136.88	6,874.0	-604.8	566.2	0.00	0.00	0.00	0.00	
7,362.7	0.00	0.00	7,300.0	-628.0	588.0	2.00	-2.00	0.00	180.00	
10,606.2	0.00	0.00	10,543.5	-628.0	588.0	0.00	0.00	0.00	0.00	KOP(Taipan 31 State
11,356.2	90.00	359.58	11,021.0	-150.6	584.5	12.00	12.00	-0.06	359.58	
16,012.9	90.00	359.58	11,021.0	4,506.0	550.0	0.00	0.00	0.00	0.00	PBHL(Taipan 31 State

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #503H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3534.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3534.0usft
Site:	Taipan 31 State	**North Reference:**	Grid
Well:	#503H	**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	136.88	1,200.0	-0.3	0.3	-0.3	2.00	2.00	0.00
1,300.0	3.00	136.88	1,299.9	-2.9	2.7	-2.3	2.00	2.00	0.00
1,400.0	5.00	136.88	1,399.7	-8.0	7.5	-6.5	2.00	2.00	0.00
1,500.0	7.00	136.88	1,499.1	-15.6	14.6	-12.7	2.00	2.00	0.00
1,577.5	8.55	136.88	1,576.0	-23.2	21.8	-18.9	2.00	2.00	0.00
1,600.0	8.55	136.88	1,598.2	-25.7	24.0	-20.9	0.00	0.00	0.00
1,700.0	8.55	136.88	1,697.1	-36.5	34.2	-29.7	0.00	0.00	0.00
1,800.0	8.55	136.88	1,795.9	-47.4	44.4	-38.5	0.00	0.00	0.00
1,900.0	8.55	136.88	1,894.8	-58.2	54.5	-47.4	0.00	0.00	0.00
2,000.0	8.55	136.88	1,993.7	-69.1	64.7	-56.2	0.00	0.00	0.00
2,100.0	8.55	136.88	2,092.6	-80.0	74.9	-65.0	0.00	0.00	0.00
2,200.0	8.55	136.88	2,191.5	-90.8	85.0	-73.8	0.00	0.00	0.00
2,300.0	8.55	136.88	2,290.4	-101.7	95.2	-82.6	0.00	0.00	0.00
2,400.0	8.55	136.88	2,389.3	-112.5	105.3	-91.5	0.00	0.00	0.00
2,500.0	8.55	136.88	2,488.2	-123.4	115.5	-100.3	0.00	0.00	0.00
2,600.0	8.55	136.88	2,587.0	-134.2	125.7	-109.1	0.00	0.00	0.00
2,700.0	8.55	136.88	2,685.9	-145.1	135.8	-117.9	0.00	0.00	0.00
2,800.0	8.55	136.88	2,784.8	-155.9	146.0	-126.8	0.00	0.00	0.00
2,900.0	8.55	136.88	2,883.7	-166.8	156.2	-135.6	0.00	0.00	0.00
3,000.0	8.55	136.88	2,982.6	-177.6	166.3	-144.4	0.00	0.00	0.00
3,100.0	8.55	136.88	3,081.5	-188.5	176.5	-153.2	0.00	0.00	0.00
3,200.0	8.55	136.88	3,180.4	-199.3	186.6	-162.1	0.00	0.00	0.00
3,300.0	8.55	136.88	3,279.3	-210.2	196.8	-170.9	0.00	0.00	0.00
3,400.0	8.55	136.88	3,378.2	-221.1	207.0	-179.7	0.00	0.00	0.00
3,500.0	8.55	136.88	3,477.0	-231.9	217.1	-188.5	0.00	0.00	0.00
3,600.0	8.55	136.88	3,575.9	-242.8	227.3	-197.4	0.00	0.00	0.00
3,700.0	8.55	136.88	3,674.8	-253.6	237.5	-206.2	0.00	0.00	0.00
3,800.0	8.55	136.88	3,773.7	-264.5	247.6	-215.0	0.00	0.00	0.00
3,900.0	8.55	136.88	3,872.6	-275.3	257.8	-223.8	0.00	0.00	0.00
4,000.0	8.55	136.88	3,971.5	-286.2	267.9	-232.6	0.00	0.00	0.00
4,100.0	8.55	136.88	4,070.4	-297.0	278.1	-241.5	0.00	0.00	0.00
4,200.0	8.55	136.88	4,169.3	-307.9	288.3	-250.3	0.00	0.00	0.00
4,300.0	8.55	136.88	4,268.2	-318.7	298.4	-259.1	0.00	0.00	0.00
4,400.0	8.55	136.88	4,367.0	-329.6	308.6	-267.9	0.00	0.00	0.00
4,500.0	8.55	136.88	4,465.9	-340.4	318.8	-276.8	0.00	0.00	0.00
4,600.0	8.55	136.88	4,564.8	-351.3	328.9	-285.6	0.00	0.00	0.00
4,700.0	8.55	136.88	4,663.7	-362.2	339.1	-294.4	0.00	0.00	0.00
4,800.0	8.55	136.88	4,762.6	-373.0	349.2	-303.2	0.00	0.00	0.00
4,900.0	8.55	136.88	4,861.5	-383.9	359.4	-312.1	0.00	0.00	0.00
5,000.0	8.55	136.88	4,960.4	-394.7	369.6	-320.9	0.00	0.00	0.00
5,100.0	8.55	136.88	5,059.3	-405.6	379.7	-329.7	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #503H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3534.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3534.0usft
Site:	Taipan 31 State	**North Reference:**	Grid
Well:	#503H	**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	8.55	136.88	5,158.1	-416.4	389.9	-338.5	0.00	0.00	0.00
5,300.0	8.55	136.88	5,257.0	-427.3	400.1	-347.4	0.00	0.00	0.00
5,400.0	8.55	136.88	5,355.9	-438.1	410.2	-356.2	0.00	0.00	0.00
5,500.0	8.55	136.88	5,454.8	-449.0	420.4	-365.0	0.00	0.00	0.00
5,600.0	8.55	136.88	5,553.7	-459.8	430.5	-373.8	0.00	0.00	0.00
5,700.0	8.55	136.88	5,652.6	-470.7	440.7	-382.7	0.00	0.00	0.00
5,800.0	8.55	136.88	5,751.5	-481.5	450.9	-391.5	0.00	0.00	0.00
5,900.0	8.55	136.88	5,850.4	-492.4	461.0	-400.3	0.00	0.00	0.00
6,000.0	8.55	136.88	5,949.3	-503.3	471.2	-409.1	0.00	0.00	0.00
6,100.0	8.55	136.88	6,048.1	-514.1	481.4	-417.9	0.00	0.00	0.00
6,200.0	8.55	136.88	6,147.0	-525.0	491.5	-426.8	0.00	0.00	0.00
6,300.0	8.55	136.88	6,245.9	-535.8	501.7	-435.6	0.00	0.00	0.00
6,400.0	8.55	136.88	6,344.8	-546.7	511.8	-444.4	0.00	0.00	0.00
6,500.0	8.55	136.88	6,443.7	-557.5	522.0	-453.2	0.00	0.00	0.00
6,600.0	8.55	136.88	6,542.6	-568.4	532.2	-462.1	0.00	0.00	0.00
6,700.0	8.55	136.88	6,641.5	-579.2	542.3	-470.9	0.00	0.00	0.00
6,800.0	8.55	136.88	6,740.4	-590.1	552.5	-479.7	0.00	0.00	0.00
6,900.0	8.55	136.88	6,839.3	-600.9	562.7	-488.5	0.00	0.00	0.00
6,935.2	8.55	136.88	6,874.0	-604.8	566.2	-491.6	0.00	0.00	0.00
7,000.0	7.25	136.88	6,938.2	-611.3	572.3	-496.9	2.00	-2.00	0.00
7,100.0	5.25	136.88	7,037.6	-619.2	579.8	-503.4	2.00	-2.00	0.00
7,200.0	3.25	136.88	7,137.4	-624.6	584.8	-507.8	2.00	-2.00	0.00
7,300.0	1.25	136.88	7,237.3	-627.5	587.5	-510.1	2.00	-2.00	0.00
7,362.7	0.00	0.00	7,300.0	-628.0	588.0	-510.5	2.00	-2.00	0.00
7,400.0	0.00	0.00	7,337.3	-628.0	588.0	-510.5	0.00	0.00	0.00
7,500.0	0.00	0.00	7,437.3	-628.0	588.0	-510.5	0.00	0.00	0.00
7,600.0	0.00	0.00	7,537.3	-628.0	588.0	-510.5	0.00	0.00	0.00
7,700.0	0.00	0.00	7,637.3	-628.0	588.0	-510.5	0.00	0.00	0.00
7,800.0	0.00	0.00	7,737.3	-628.0	588.0	-510.5	0.00	0.00	0.00
7,900.0	0.00	0.00	7,837.3	-628.0	588.0	-510.5	0.00	0.00	0.00
8,000.0	0.00	0.00	7,937.3	-628.0	588.0	-510.5	0.00	0.00	0.00
8,100.0	0.00	0.00	8,037.3	-628.0	588.0	-510.5	0.00	0.00	0.00
8,200.0	0.00	0.00	8,137.3	-628.0	588.0	-510.5	0.00	0.00	0.00
8,300.0	0.00	0.00	8,237.3	-628.0	588.0	-510.5	0.00	0.00	0.00
8,400.0	0.00	0.00	8,337.3	-628.0	588.0	-510.5	0.00	0.00	0.00
8,500.0	0.00	0.00	8,437.3	-628.0	588.0	-510.5	0.00	0.00	0.00
8,600.0	0.00	0.00	8,537.3	-628.0	588.0	-510.5	0.00	0.00	0.00
8,700.0	0.00	0.00	8,637.3	-628.0	588.0	-510.5	0.00	0.00	0.00
8,800.0	0.00	0.00	8,737.3	-628.0	588.0	-510.5	0.00	0.00	0.00
8,900.0	0.00	0.00	8,837.3	-628.0	588.0	-510.5	0.00	0.00	0.00
9,000.0	0.00	0.00	8,937.3	-628.0	588.0	-510.5	0.00	0.00	0.00
9,100.0	0.00	0.00	9,037.3	-628.0	588.0	-510.5	0.00	0.00	0.00
9,200.0	0.00	0.00	9,137.3	-628.0	588.0	-510.5	0.00	0.00	0.00
9,300.0	0.00	0.00	9,237.3	-628.0	588.0	-510.5	0.00	0.00	0.00
9,400.0	0.00	0.00	9,337.3	-628.0	588.0	-510.5	0.00	0.00	0.00
9,500.0	0.00	0.00	9,437.3	-628.0	588.0	-510.5	0.00	0.00	0.00
9,600.0	0.00	0.00	9,537.3	-628.0	588.0	-510.5	0.00	0.00	0.00
9,700.0	0.00	0.00	9,637.3	-628.0	588.0	-510.5	0.00	0.00	0.00
9,800.0	0.00	0.00	9,737.3	-628.0	588.0	-510.5	0.00	0.00	0.00
9,900.0	0.00	0.00	9,837.3	-628.0	588.0	-510.5	0.00	0.00	0.00
10,000.0	0.00	0.00	9,937.3	-628.0	588.0	-510.5	0.00	0.00	0.00
10,100.0	0.00	0.00	10,037.3	-628.0	588.0	-510.5	0.00	0.00	0.00
10,200.0	0.00	0.00	10,137.3	-628.0	588.0	-510.5	0.00	0.00	0.00
10,300.0	0.00	0.00	10,237.3	-628.0	588.0	-510.5	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #503H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3534.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3534.0usft
Site:	Taipan 31 State	**North Reference:**	Grid
Well:	#503H	**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)
10,400.0	0.00	0.00	10,337.3	-628.0	588.0	-510.5	0.00	0.00	0.00
10,500.0	0.00	0.00	10,437.3	-628.0	588.0	-510.5	0.00	0.00	0.00
10,606.2	0.00	0.00	10,543.5	-628.0	588.0	-510.5	0.00	0.00	0.00
KOP(Taipan 31 State #503H)									
10,625.0	2.25	359.58	10,562.3	-627.6	588.0	-510.2	12.00	12.00	0.00
10,650.0	5.25	359.58	10,587.2	-626.0	588.0	-508.6	12.00	12.00	0.00
10,675.0	8.25	359.58	10,612.0	-623.1	588.0	-505.7	12.00	12.00	0.00
10,700.0	11.25	359.58	10,636.7	-618.8	587.9	-501.5	12.00	12.00	0.00
10,725.0	14.25	359.58	10,661.1	-613.3	587.9	-496.1	12.00	12.00	0.00
10,750.0	17.25	359.58	10,685.1	-606.5	587.8	-489.4	12.00	12.00	0.00
10,775.0	20.25	359.58	10,708.8	-598.5	587.8	-481.6	12.00	12.00	0.00
10,800.0	23.25	359.58	10,732.0	-589.2	587.7	-472.5	12.00	12.00	0.00
10,825.0	26.25	359.58	10,754.7	-578.8	587.6	-462.2	12.00	12.00	0.00
10,850.0	29.25	359.58	10,776.8	-567.1	587.5	-450.7	12.00	12.00	0.00
10,875.0	32.25	359.58	10,798.3	-554.3	587.5	-438.2	12.00	12.00	0.00
10,900.0	35.25	359.58	10,819.1	-540.4	587.4	-424.6	12.00	12.00	0.00
10,925.0	38.25	359.58	10,839.1	-525.5	587.2	-409.9	12.00	12.00	0.00
10,950.0	41.25	359.58	10,858.3	-509.5	587.1	-394.2	12.00	12.00	0.00
10,975.0	44.25	359.58	10,876.7	-492.5	587.0	-377.5	12.00	12.00	0.00
11,000.0	47.25	359.58	10,894.1	-474.6	586.9	-359.9	12.00	12.00	0.00
11,008.9	48.32	359.58	10,900.1	-468.0	586.8	-353.4	12.00	12.00	0.00
FTP(Taipan 31 State #503H)									
11,025.0	50.25	359.58	10,910.6	-455.8	586.7	-341.5	12.00	12.00	0.00
11,050.0	53.25	359.58	10,926.1	-436.2	586.6	-322.2	12.00	12.00	0.00
11,075.0	56.25	359.58	10,940.5	-415.8	586.4	-302.2	12.00	12.00	0.00
11,100.0	59.25	359.58	10,953.8	-394.6	586.3	-281.4	12.00	12.00	0.00
11,125.0	62.25	359.58	10,966.1	-372.8	586.1	-260.0	12.00	12.00	0.00
11,150.0	65.25	359.58	10,977.1	-350.4	585.9	-238.0	12.00	12.00	0.00
11,175.0	68.25	359.58	10,987.0	-327.4	585.8	-215.4	12.00	12.00	0.00
11,200.0	71.25	359.58	10,995.6	-304.0	585.6	-192.4	12.00	12.00	0.00
11,225.0	74.25	359.58	11,003.0	-280.1	585.4	-168.9	12.00	12.00	0.00
11,250.0	77.25	359.58	11,009.2	-255.9	585.2	-145.1	12.00	12.00	0.00
11,275.0	80.25	359.58	11,014.1	-231.4	585.1	-121.1	12.00	12.00	0.00
11,300.0	83.25	359.58	11,017.7	-206.6	584.9	-96.8	12.00	12.00	0.00
11,325.0	86.25	359.58	11,019.9	-181.8	584.7	-72.3	12.00	12.00	0.00
11,350.0	89.25	359.58	11,020.9	-156.8	584.5	-47.8	12.00	12.00	0.00
11,356.2	90.00	359.58	11,021.0	-150.6	584.5	-41.7	12.00	12.00	0.00
11,400.0	90.00	359.58	11,021.0	-106.8	584.1	1.3	0.00	0.00	0.00
11,500.0	90.00	359.58	11,021.0	-6.8	583.4	99.5	0.00	0.00	0.00
11,600.0	90.00	359.58	11,021.0	93.2	582.7	197.7	0.00	0.00	0.00
11,700.0	90.00	359.58	11,021.0	193.2	581.9	295.9	0.00	0.00	0.00
11,800.0	90.00	359.58	11,021.0	293.2	581.2	394.1	0.00	0.00	0.00
11,900.0	90.00	359.58	11,021.0	393.2	580.4	492.3	0.00	0.00	0.00
12,000.0	90.00	359.58	11,021.0	493.2	579.7	590.4	0.00	0.00	0.00
12,100.0	90.00	359.58	11,021.0	593.2	579.0	688.6	0.00	0.00	0.00
12,200.0	90.00	359.58	11,021.0	693.2	578.2	786.8	0.00	0.00	0.00
12,300.0	90.00	359.58	11,021.0	793.2	577.5	885.0	0.00	0.00	0.00
12,400.0	90.00	359.58	11,021.0	893.2	576.7	983.2	0.00	0.00	0.00
12,500.0	90.00	359.58	11,021.0	993.2	576.0	1,081.4	0.00	0.00	0.00
12,600.0	90.00	359.58	11,021.0	1,093.2	575.3	1,179.6	0.00	0.00	0.00
12,700.0	90.00	359.58	11,021.0	1,193.2	574.5	1,277.8	0.00	0.00	0.00
12,800.0	90.00	359.58	11,021.0	1,293.2	573.8	1,376.0	0.00	0.00	0.00
12,900.0	90.00	359.58	11,021.0	1,393.2	573.0	1,474.2	0.00	0.00	0.00
13,000.0	90.00	359.58	11,021.0	1,493.2	572.3	1,572.4	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #503H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3534.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 3534.0usft
Site:	Taipan 31 State	**North Reference:**	Grid
Well:	#503H	**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)
13,100.0	90.00	359.58	11,021.0	1,593.2	571.6	1,670.6	0.00	0.00	0.00
13,200.0	90.00	359.58	11,021.0	1,693.2	570.8	1,768.8	0.00	0.00	0.00
13,300.0	90.00	359.58	11,021.0	1,793.2	570.1	1,867.0	0.00	0.00	0.00
13,400.0	90.00	359.58	11,021.0	1,893.2	569.3	1,965.2	0.00	0.00	0.00
13,500.0	90.00	359.58	11,021.0	1,993.2	568.6	2,063.4	0.00	0.00	0.00
13,600.0	90.00	359.58	11,021.0	2,093.2	567.9	2,161.5	0.00	0.00	0.00
13,700.0	90.00	359.58	11,021.0	2,193.2	567.1	2,259.7	0.00	0.00	0.00
13,800.0	90.00	359.58	11,021.0	2,293.2	566.4	2,357.9	0.00	0.00	0.00
13,900.0	90.00	359.58	11,021.0	2,393.2	565.6	2,456.1	0.00	0.00	0.00
14,000.0	90.00	359.58	11,021.0	2,493.2	564.9	2,554.3	0.00	0.00	0.00
14,100.0	90.00	359.58	11,021.0	2,593.2	564.2	2,652.5	0.00	0.00	0.00
14,200.0	90.00	359.58	11,021.0	2,693.1	563.4	2,750.7	0.00	0.00	0.00
14,300.0	90.00	359.58	11,021.0	2,793.1	562.7	2,848.9	0.00	0.00	0.00
14,400.0	90.00	359.58	11,021.0	2,893.1	561.9	2,947.1	0.00	0.00	0.00
14,500.0	90.00	359.58	11,021.0	2,993.1	561.2	3,045.3	0.00	0.00	0.00
14,600.0	90.00	359.58	11,021.0	3,093.1	560.5	3,143.5	0.00	0.00	0.00
14,700.0	90.00	359.58	11,021.0	3,193.1	559.7	3,241.7	0.00	0.00	0.00
14,800.0	90.00	359.58	11,021.0	3,293.1	559.0	3,339.9	0.00	0.00	0.00
14,900.0	90.00	359.58	11,021.0	3,393.1	558.2	3,438.1	0.00	0.00	0.00
15,000.0	90.00	359.58	11,021.0	3,493.1	557.5	3,536.3	0.00	0.00	0.00
15,100.0	90.00	359.58	11,021.0	3,593.1	556.8	3,634.4	0.00	0.00	0.00
15,200.0	90.00	359.58	11,021.0	3,693.1	556.0	3,732.6	0.00	0.00	0.00
15,300.0	90.00	359.58	11,021.0	3,793.1	555.3	3,830.8	0.00	0.00	0.00
15,400.0	90.00	359.58	11,021.0	3,893.1	554.5	3,929.0	0.00	0.00	0.00
15,500.0	90.00	359.58	11,021.0	3,993.1	553.8	4,027.2	0.00	0.00	0.00
15,600.0	90.00	359.58	11,021.0	4,093.1	553.1	4,125.4	0.00	0.00	0.00
15,700.0	90.00	359.58	11,021.0	4,193.1	552.3	4,223.6	0.00	0.00	0.00
15,800.0	90.00	359.58	11,021.0	4,293.1	551.6	4,321.8	0.00	0.00	0.00
15,900.0	90.00	359.58	11,021.0	4,393.1	550.8	4,420.0	0.00	0.00	0.00
16,000.0	90.00	359.58	11,021.0	4,493.1	550.1	4,518.2	0.00	0.00	0.00
16,012.9	90.00	359.58	11,021.0	4,506.0	550.0	4,530.9	0.00	0.00	0.00
PBHL(Taipan 31 State #503H)									

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(Taipan 31 State #5 - plan hits target center - Point	0.00	0.00	10,543.5	-628.0	588.0	425,236.00	763,441.00	32° 10' 1.256 N	103° 36' 55.969 W
FTP(Taipan 31 State #5(- plan misses target center by 160.8usft at 11008.9usft MD (10900.1 TVD, -468.0 N, 586.8 E) - Point	0.00	0.01	11,021.0	-574.0	588.0	425,290.00	763,441.00	32° 10' 1.791 N	103° 36' 55.964 W
PBHL(Taipan 31 State # - plan hits target center - Point	0.00	0.00	11,021.0	4,506.0	550.0	430,370.00	763,403.00	32° 10' 52.062 N	103° 36' 56.012 W

eog resources

Lea County, NM (NAD 83 NME)

Taipan 31 State #503H

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

To convert a Magnetic Direction to a Grid Direction, Add 8.38°
To convert a Magnetic Direction to a True Direction, Add 8.76° East
To convert a True Direction to a Grid Direction, Subtract 0.38°

WELL DETAILS: #503H

3515.0
KB = 25 @ 3534.0usft

Northing	Easting	Latitude	Longitude
425884.00	762853.00	32° 19' 7.509 N	103° 37' 2.761 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	1150.0	0.00	0.00	1150.0	0.0	0.0	0.00	0.00	0.0	
3	1577.5	8.55	136.88	1576.0	-23.2	21.8	2.00	136.88	-18.9	
4	6935.2	8.55	136.88	6874.0	-604.8	566.2	0.00	0.00	-491.6	
5	7362.7	0.00	0.00	7300.0	-628.0	588.0	2.00	180.00	-510.5	
6	10606.2	0.00	0.00	10543.5	-628.0	588.0	0.00	0.00	-510.5	KOP(Taipan 31 State #503H)
7	11356.2	90.00	359.58	11021.0	-150.6	584.5	12.00	359.58	-41.7	
8	16012.9	90.00	359.58	11021.0	4506.0	550.0	0.00	0.00	4530.9	PBHL(Taipan 31 State #503H)

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 #503H)	10543.5	-628.0	588.0	425256.00	763441.00
PBHL(Taipan 31 State #503H)	11021.0	4506.0	550.0	430370.00	763403.00
FTP(Taipan 31 State #503H)	11021.0	-574.0	588.0	425290.00	763441.00