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Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Road, Aztec, NM 87410
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District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico NMOC-D-REC'D: 9/10/2020
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
AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46365	² Pool Code 98330	³ Pool Name Penasco Draw; Permo Penn
⁴ Property Code 326195	⁵ Property Name LACAMA 20 STATE COM	⁶ Well Number 602H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3606'

¹⁰Surface Location

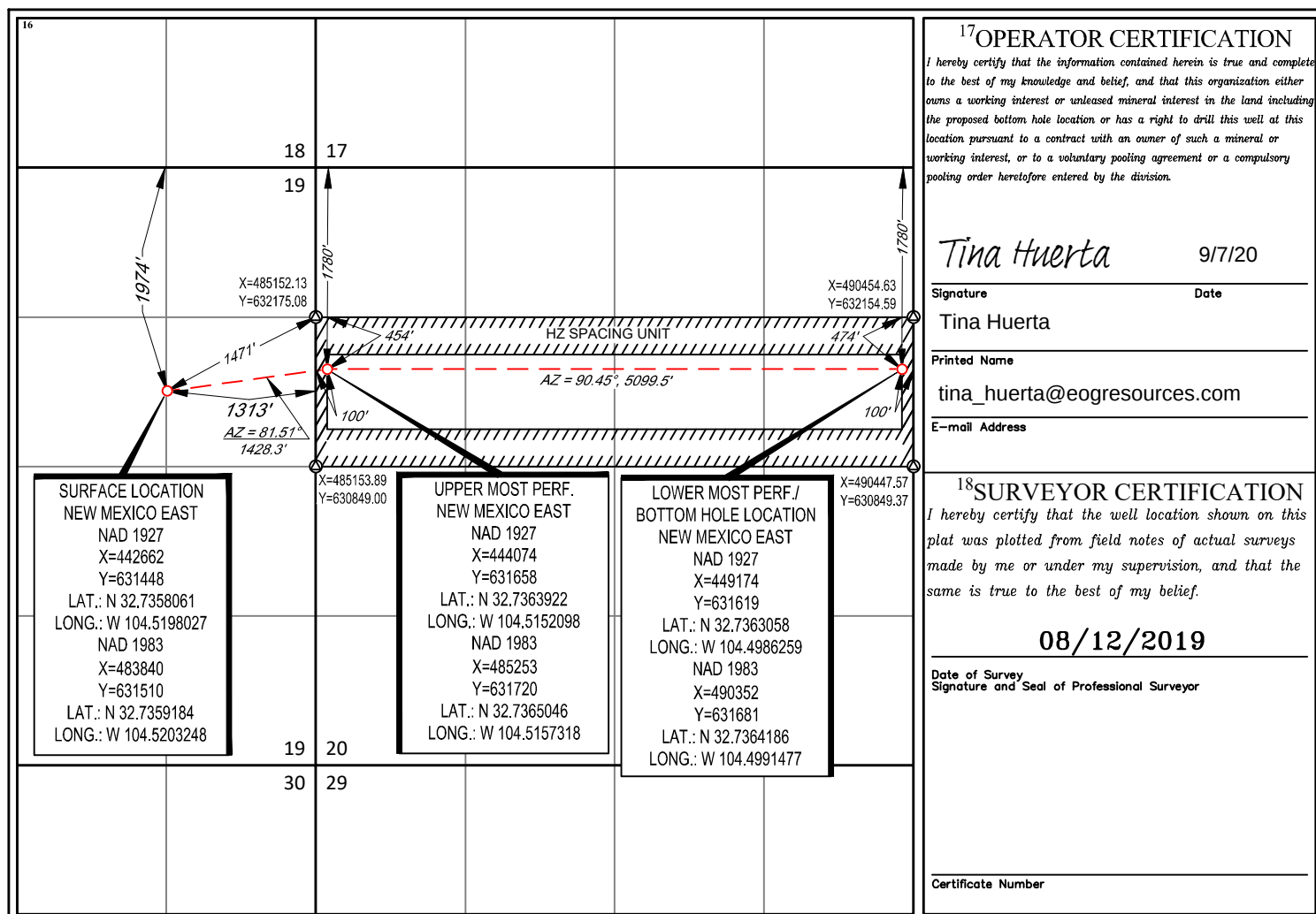
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	19	18-S	25-E	-	1974	NORTH	1313	EAST	EDDY

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
H	20	18-S	25-E	-	1785	NORTH	110	EAST	EDDY

¹² Dedicated Acres 160.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number



EOG Resources

Eddy County, NM (NAD 83 - Grid)

Lacama

Lacama 20 State Com #602H

OH

Design: OH

Standard Survey Report

18 December, 2019



Company:	EOG Resources	Local Co-ordinate Reference:	Well Lacama 20 State Com #602H
Project:	Eddy County, NM (NAD 83 - Grid)	TVD Reference:	18' KB + 3606' GE @ 3624.00usft
Site:	Lacama	MD Reference:	18' KB + 3606' GE @ 3624.00usft
Well:	Lacama 20 State Com #602H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Project	Eddy County, NM (NAD 83 - Grid)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Lacama			
Site Position:		Northing:	631,510.00 usft	Latitude:	32.735920
From:	Map	Easting:	483,840.00 usft	Longitude:	-104.520325
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.10 °

Well	Lacama 20 State Com #602H					
Well Position	+N/-S	0.00 usft	Northing:	631,510.00 usft	Latitude:	32.735920
	+E/-W	0.00 usft	Easting:	483,840.00 usft	Longitude:	-104.520325
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,606.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/7/2019	7.17	60.35	47,890.92865757

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	88.52	

Survey Program	Date	12/18/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
101.90	13,438.00	Survey #1 (OH)	OWSG (REV2) MWD	OWSG MWD - Standard	
13,506.00	13,506.00	Survey #2 (OH)	BLIND	OWSG BLIND	

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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SHL (Lacama 20 State Com #602H)										
101.90	0.20	341.00	101.90	0.17	-0.06	-0.05	0.20	0.20	0.00	
162.90	0.50	104.00	162.90	0.20	0.17	0.17	1.04	0.49	201.64	
338.90	0.10	316.00	338.90	0.13	0.80	0.81	0.33	-0.23	-84.09	
495.90	0.50	212.00	495.90	-0.35	0.35	0.34	0.34	0.25	-66.24	
653.90	0.30	86.00	653.89	-0.91	0.39	0.37	0.45	-0.13	-79.75	
919.90	0.20	115.00	919.89	-1.06	1.51	1.48	0.06	-0.04	10.90	
1,118.90	0.40	203.00	1,118.89	-1.84	1.55	1.50	0.22	0.10	44.22	
1,270.90	0.40	108.00	1,270.89	-2.50	1.85	1.78	0.39	0.00	-62.50	

Company:	EOG Resources	Local Co-ordinate Reference:	Well Lacama 20 State Com #602H
Project:	Eddy County, NM (NAD 83 - Grid)	TVD Reference:	18' KB + 3606' GE @ 3624.00usft
Site:	Lacama	MD Reference:	18' KB + 3606' GE @ 3624.00usft
Well:	Lacama 20 State Com #602H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

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)
1,356.71	0.10	284.80	1,356.70	-2.57	2.06	1.99	0.58	-0.35	206.04
1,451.29	0.10	229.00	1,451.28	-2.60	1.92	1.85	0.10	0.00	-59.00
1,546.20	0.20	259.30	1,546.19	-2.69	1.69	1.62	0.13	0.11	31.92
1,640.61	0.10	347.50	1,640.60	-2.64	1.51	1.45	0.23	-0.11	93.42
1,735.67	0.30	286.30	1,735.65	-2.49	1.26	1.19	0.28	0.21	-64.38
1,830.08	0.20	328.40	1,830.06	-2.28	0.93	0.88	0.21	-0.11	44.59
1,923.17	0.30	17.30	1,923.15	-1.91	0.92	0.87	0.24	0.11	52.53
2,018.61	0.10	288.80	2,018.59	-1.64	0.92	0.87	0.33	-0.21	-92.73
2,112.82	0.20	52.10	2,112.80	-1.51	0.97	0.93	0.28	0.11	130.88
2,207.35	0.10	60.20	2,207.33	-1.37	1.17	1.14	0.11	-0.11	8.57
2,302.06	0.30	319.10	2,302.04	-1.14	1.08	1.05	0.35	0.21	-106.75
2,396.24	0.20	358.30	2,396.22	-0.79	0.91	0.89	0.20	-0.11	41.62
2,490.88	0.20	24.80	2,490.86	-0.48	0.98	0.97	0.10	0.00	28.00
2,585.62	0.10	210.80	2,585.60	-0.40	1.01	0.99	0.32	-0.11	-183.66
2,680.66	0.10	218.50	2,680.64	-0.53	0.91	0.90	0.01	0.00	8.10
2,775.39	0.40	311.10	2,775.37	-0.38	0.61	0.60	0.44	0.32	97.75
2,870.45	0.30	345.20	2,870.43	0.08	0.30	0.30	0.24	-0.11	35.87
2,964.61	0.30	256.00	2,964.59	0.26	-0.01	0.00	0.45	0.00	-94.73
3,057.42	0.40	250.30	3,057.39	0.09	-0.55	-0.54	0.11	0.11	-6.14
3,152.38	0.30	315.30	3,152.35	0.15	-1.03	-1.03	0.41	-0.11	68.45
3,246.93	0.30	339.30	3,246.90	0.56	-1.29	-1.28	0.13	0.00	25.38
3,341.54	0.40	266.20	3,341.51	0.77	-1.71	-1.69	0.45	0.11	-77.26
3,435.81	0.30	210.00	3,435.78	0.54	-2.16	-2.15	0.36	-0.11	-59.62
3,530.04	0.50	244.80	3,530.01	0.15	-2.66	-2.65	0.32	0.21	36.93
3,624.48	0.40	256.30	3,624.44	-0.11	-3.35	-3.35	0.14	-0.11	12.18
3,718.00	0.30	346.50	3,717.96	0.05	-3.73	-3.72	0.54	-0.11	96.45
3,811.65	0.60	287.70	3,811.61	0.44	-4.25	-4.24	0.55	0.32	-62.79
3,906.37	0.40	275.60	3,906.33	0.62	-5.05	-5.03	0.24	-0.21	-12.77
4,000.81	0.60	284.70	4,000.76	0.78	-5.86	-5.84	0.23	0.21	9.64
4,095.44	0.70	319.90	4,095.39	1.35	-6.71	-6.67	0.43	0.11	37.20
4,189.94	0.20	271.70	4,189.88	1.80	-7.25	-7.20	0.62	-0.53	-51.01
4,284.48	0.50	260.00	4,284.42	1.73	-7.82	-7.77	0.32	0.32	-12.38
4,379.35	0.60	313.50	4,379.29	2.00	-8.59	-8.53	0.53	0.11	56.39
4,473.96	0.40	327.90	4,473.89	2.62	-9.12	-9.05	0.25	-0.21	15.22
4,568.27	0.30	336.50	4,568.20	3.13	-9.39	-9.31	0.12	-0.11	9.12
4,663.01	0.10	232.90	4,662.94	3.30	-9.56	-9.47	0.36	-0.21	-109.35
4,757.26	0.30	347.30	4,757.19	3.49	-9.68	-9.59	0.37	0.21	121.38
4,851.31	0.60	294.90	4,851.24	3.94	-10.18	-10.07	0.51	0.32	-55.72
4,945.95	0.50	289.10	4,945.88	4.29	-11.02	-10.91	0.12	-0.11	-6.13
5,040.48	0.60	298.40	5,040.40	4.66	-11.84	-11.72	0.14	0.11	9.84
5,134.99	0.60	294.10	5,134.91	5.09	-12.73	-12.60	0.05	0.00	-4.55
5,229.33	0.00	36.70	5,229.24	5.30	-13.18	-13.04	0.64	-0.64	0.00
5,322.88	0.40	230.00	5,322.79	5.09	-13.43	-13.30	0.43	0.43	0.00

Company:	EOG Resources	Local Co-ordinate Reference:	Well Lacama 20 State Com #602H
Project:	Eddy County, NM (NAD 83 - Grid)	TVD Reference:	18' KB + 3606' GE @ 3624.00usft
Site:	Lacama	MD Reference:	18' KB + 3606' GE @ 3624.00usft
Well:	Lacama 20 State Com #602H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

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)
5,417.12	0.20	343.50	5,417.03	5.03	-13.73	-13.60	0.55	-0.21	120.44
5,511.61	0.40	228.70	5,511.52	4.97	-14.03	-13.89	0.55	0.21	-121.49
5,606.05	0.70	246.60	5,605.96	4.53	-14.80	-14.68	0.36	0.32	18.95
5,700.84	0.30	290.60	5,700.74	4.38	-15.57	-15.45	0.56	-0.42	46.42
5,794.67	0.80	262.40	5,794.57	4.38	-16.45	-16.33	0.59	0.53	-30.05
5,889.18	0.80	254.60	5,889.07	4.12	-17.74	-17.62	0.12	0.00	-8.25
5,983.87	0.60	297.90	5,983.75	4.18	-18.81	-18.70	0.58	-0.21	45.73
6,078.35	1.00	272.80	6,078.22	4.45	-20.07	-19.95	0.55	0.42	-26.57
6,172.62	1.00	243.00	6,172.48	4.12	-21.63	-21.51	0.55	0.00	-31.61
6,266.57	1.10	264.50	6,266.42	3.66	-23.25	-23.15	0.43	0.11	22.88
6,361.54	0.80	240.60	6,361.37	3.24	-24.74	-24.65	0.52	-0.32	-25.17
6,455.65	1.40	252.80	6,455.46	2.58	-26.41	-26.34	0.68	0.64	12.96
6,495.71	1.10	248.10	6,495.52	2.29	-27.23	-27.17	0.79	-0.75	-11.73
6,589.54	2.70	110.70	6,589.32	1.18	-26.00	-25.96	3.82	1.71	-146.44
6,684.41	8.70	96.50	6,683.68	-0.43	-16.77	-16.78	6.45	6.32	-14.97
6,777.48	17.80	97.20	6,774.17	-3.01	4.38	4.30	9.78	9.78	0.75
6,870.75	22.00	105.30	6,861.87	-9.41	35.39	35.14	5.38	4.50	8.68
6,936.17	25.30	103.60	6,921.79	-15.94	60.80	60.37	5.15	5.04	-2.60
7,030.26	37.80	88.20	7,001.94	-19.78	109.44	108.89	15.71	13.29	-16.37
7,124.37	52.20	80.10	7,068.37	-12.44	175.29	174.91	16.44	15.30	-8.61
7,216.82	66.80	74.50	7,115.19	5.30	252.68	252.73	16.62	15.79	-6.06
7,274.50	76.30	70.90	7,133.43	21.60	304.83	305.29	17.50	16.47	-6.24
7,333.79	85.10	68.80	7,143.00	41.75	359.70	360.66	15.25	14.84	-3.54
7,428.51	85.00	69.90	7,151.17	75.03	448.00	449.79	1.16	-0.11	1.16
7,522.18	87.00	73.40	7,157.71	104.43	536.68	539.19	4.30	2.14	3.74
7,617.37	88.90	75.10	7,161.11	130.25	628.23	631.37	2.68	2.00	1.79
7,712.57	91.80	76.80	7,160.53	153.36	720.56	724.28	3.53	3.05	1.79
7,807.57	91.30	79.10	7,157.96	173.18	813.43	817.62	2.48	-0.53	2.42
7,900.19	91.50	78.60	7,155.70	191.09	904.27	908.90	0.58	0.22	-0.54
7,995.18	90.10	80.30	7,154.37	208.48	997.64	1,002.68	2.32	-1.47	1.79
8,088.96	89.20	82.30	7,154.95	222.66	1,090.34	1,095.71	2.34	-0.96	2.13
8,184.19	88.80	85.20	7,156.61	233.03	1,184.98	1,190.59	3.07	-0.42	3.05
8,278.04	88.70	87.30	7,158.66	239.16	1,278.60	1,284.33	2.24	-0.11	2.24
8,312.23	88.23	88.35	7,159.57	240.46	1,312.75	1,318.51	3.36	-1.37	3.06
Sec 19 > Sec 20 Crossing (8312.23' MD)									
8,372.71	87.40	90.20	7,161.88	241.23	1,373.18	1,378.94	3.36	-1.37	3.06
8,410.96	87.32	90.16	7,163.64	241.11	1,411.39	1,417.13	0.24	-0.21	-0.11
100' FWL HL Crossing (8345.03' MD)									
8,411.54	87.32	90.16	7,163.67	241.11	1,411.97	1,417.71	0.24	-0.21	-0.11
UMP (Lacama 20 State Com #602H)									
8,411.98	87.32	90.16	7,163.69	241.11	1,412.41	1,418.15	0.00	0.00	0.00
100' NL HL Crossing (8411.98' MD)									
8,466.52	87.20	90.10	7,166.30	240.98	1,466.88	1,472.61	0.24	-0.21	-0.11
8,560.18	86.80	92.50	7,171.20	238.86	1,560.38	1,566.02	2.59	-0.43	2.56

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8,655.28	88.30	92.80	7,175.27	234.47	1,655.29	1,660.78	1.61	1.58	0.32	
8,750.53	88.30	92.40	7,178.09	230.15	1,750.40	1,755.75	0.42	0.00	-0.42	
8,845.53	87.60	92.10	7,181.49	226.42	1,845.27	1,850.49	0.80	-0.74	-0.32	
8,939.01	86.90	91.60	7,185.97	223.41	1,938.59	1,943.70	0.92	-0.75	-0.53	
9,032.71	88.00	91.70	7,190.14	220.71	2,032.16	2,037.17	1.18	1.17	0.11	
9,127.95	89.50	92.00	7,192.22	217.64	2,127.32	2,132.22	1.61	1.57	0.31	
9,220.30	90.50	91.80	7,192.22	214.58	2,219.62	2,224.41	1.10	1.08	-0.22	
9,314.15	89.10	92.50	7,192.55	211.06	2,313.40	2,318.07	1.67	-1.49	0.75	
9,409.51	87.20	92.10	7,195.63	207.23	2,408.63	2,413.17	2.04	-1.99	-0.42	
9,501.63	87.90	92.10	7,199.56	203.86	2,500.60	2,505.03	0.76	0.76	0.00	
9,596.88	84.10	91.20	7,206.21	201.12	2,595.56	2,599.88	4.10	-3.99	-0.94	
9,690.76	87.10	90.90	7,213.41	199.41	2,689.14	2,693.39	3.21	3.20	-0.32	
9,784.39	87.30	90.80	7,217.98	198.02	2,782.65	2,786.83	0.24	0.21	-0.11	
9,876.69	86.90	90.60	7,222.65	196.89	2,874.82	2,878.94	0.48	-0.43	-0.22	
9,970.54	87.70	90.80	7,227.07	195.75	2,968.56	2,972.62	0.88	0.85	0.21	
10,065.70	87.80	90.80	7,230.81	194.42	3,063.64	3,067.63	0.11	0.11	0.00	
10,159.42	88.30	90.30	7,234.00	193.52	3,157.30	3,161.24	0.75	0.53	-0.53	
10,254.65	89.10	89.90	7,236.16	193.36	3,252.50	3,256.41	0.94	0.84	-0.42	
10,349.84	87.40	89.80	7,239.07	193.60	3,347.65	3,351.52	1.79	-1.79	-0.11	
10,444.87	86.50	90.00	7,244.12	193.77	3,442.54	3,446.39	0.97	-0.95	0.21	
10,498.32	88.02	90.79	7,246.68	193.40	3,495.92	3,499.74	3.20	2.84	1.47	
3500' VS TGT (Lacama 20 State Com #602H)										
10,539.98	89.20	91.40	7,247.69	192.61	3,537.56	3,541.35	3.20	2.84	1.47	
10,634.83	89.50	90.50	7,248.77	191.04	3,632.39	3,636.11	1.00	0.32	-0.95	
10,729.55	86.90	89.20	7,251.74	191.28	3,727.06	3,730.75	3.07	-2.74	-1.37	
10,824.31	88.30	90.40	7,255.71	191.61	3,821.73	3,825.40	1.95	1.48	1.27	
10,919.44	90.00	90.10	7,257.12	191.20	3,916.84	3,920.47	1.81	1.79	-0.32	
11,014.42	90.30	89.60	7,256.87	191.45	4,011.82	4,015.42	0.61	0.32	-0.53	
11,108.08	89.80	90.10	7,256.79	191.69	4,105.48	4,109.06	0.75	-0.53	0.53	
11,201.83	89.40	89.70	7,257.44	191.86	4,199.23	4,202.78	0.60	-0.43	-0.43	
11,295.72	89.20	89.50	7,258.59	192.51	4,293.11	4,296.64	0.30	-0.21	-0.21	
11,388.87	88.70	89.60	7,260.30	193.24	4,386.24	4,389.76	0.55	-0.54	0.11	
11,482.42	88.30	89.40	7,262.75	194.06	4,479.76	4,483.27	0.48	-0.43	-0.21	
11,577.39	87.30	89.40	7,266.39	195.05	4,574.65	4,578.16	1.05	-1.05	0.00	
11,671.23	87.90	88.80	7,270.32	196.52	4,668.39	4,671.91	0.90	0.64	-0.64	
11,765.44	90.40	89.60	7,271.72	197.84	4,762.58	4,766.09	2.79	2.65	0.85	
11,860.19	91.40	89.50	7,270.23	198.58	4,857.31	4,860.81	1.06	1.06	-0.11	
11,955.45	90.50	90.70	7,268.65	198.42	4,952.55	4,956.02	1.57	-0.94	1.26	
12,048.98	89.80	90.70	7,268.41	197.27	5,046.08	5,049.48	0.75	-0.75	0.00	
12,144.31	90.00	90.10	7,268.57	196.61	5,141.40	5,144.76	0.66	0.21	-0.63	
12,239.46	86.70	89.10	7,271.31	197.27	5,236.50	5,239.84	3.62	-3.47	-1.05	
12,332.71	88.10	89.30	7,275.54	198.57	5,329.64	5,332.99	1.52	1.50	0.21	
12,425.18	89.80	88.90	7,277.24	200.02	5,422.08	5,425.43	1.89	1.84	-0.43	
12,518.83	89.70	88.40	7,277.65	202.23	5,515.70	5,519.08	0.54	-0.11	-0.53	

Company:	EOG Resources	Local Co-ordinate Reference:	Well Lacama 20 State Com #602H
Project:	Eddy County, NM (NAD 83 - Grid)	TVD Reference:	18' KB + 3606' GE @ 3624.00usft
Site:	Lacama	MD Reference:	18' KB + 3606' GE @ 3624.00usft
Well:	Lacama 20 State Com #602H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

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)	
12,613.96	89.10	89.70	7,278.64	203.81	5,610.81	5,614.20	1.51	-0.63	1.37	
12,709.09	89.30	91.30	7,279.97	202.98	5,705.93	5,709.26	1.69	0.21	1.68	
12,804.27	91.40	91.90	7,279.39	200.32	5,801.06	5,804.30	2.29	2.21	0.63	
12,899.47	91.70	92.10	7,276.81	197.00	5,896.17	5,899.29	0.38	0.32	0.21	
12,994.24	90.30	92.70	7,275.16	193.03	5,990.84	5,993.82	1.61	-1.48	0.63	
13,089.48	89.40	93.20	7,275.41	188.13	6,085.95	6,088.78	1.08	-0.94	0.52	
13,184.52	87.80	92.10	7,277.73	183.74	6,180.86	6,183.54	2.04	-1.68	-1.16	
13,278.33	87.30	92.80	7,281.74	179.73	6,274.49	6,277.04	0.92	-0.53	0.75	
13,373.25	88.20	93.30	7,285.47	174.68	6,369.20	6,371.59	1.08	0.95	0.53	
13,438.00	89.00	93.00	7,287.05	171.13	6,433.84	6,436.11	1.32	1.24	-0.46	
13,506.00	89.00	93.00	7,288.24	167.57	6,501.73	6,503.89	0.00	0.00	0.00	
PBHL (Lacama 20 State Com #602H) - BHL (Lacama 20 State Com #602H)										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
SHL (Lacama 20 State C	0.00	360.00	0.00	0.00	0.00	631,510.00	483,840.00	32.735920	-104.520325	
- actual wellpath hits target center										
- Point										
Sec 19 > Sec 20 Crossir	0.00	0.00	7,159.57	240.41	1,312.75	631,750.41	485,152.75	32.736587	-104.516057	
- actual wellpath misses target center by 0.05usft at 8312.23usft MD (7159.57 TVD, 240.46 N, 1312.75 E)										
- Point										
100' NL HL Crossing (84	0.00	0.00	7,163.69	241.12	1,412.41	631,751.12	485,252.41	32.736589	-104.515733	
- actual wellpath misses target center by 0.01usft at 8411.98usft MD (7163.69 TVD, 241.11 N, 1412.41 E)										
- Point										
BHL (Lacama 20 State C	0.00	360.00	7,288.24	167.57	6,501.73	631,677.57	490,341.73	32.736410	-104.499182	
- actual wellpath hits target center										
- Point										

Checked By: _____	Approved By: _____	Date: _____
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