REC'D 11/16/2020 - NMOCD

FORM C-102

Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

Phone: (505) 476-346					Santa Fe, N	IM 87505			
		W	ELL LO	CATIO	N AND ACR	EAGE DEDIC	ATION PLA	Г	,
	<sup>1</sup> API Numbe	r		<sup>2</sup> Pool Code			<sup>3</sup> Pool Nar	ne	Va
30-0	)25-471	77	98180 WC025 G09 S253309P; UPPER WO						VIP M
<sup>4</sup> Property C	Code				<sup>5</sup> Property N	lame			<sup>6</sup> Well Number
32823	39			GREE	IN DRAKE ?	21 FED COM			727H
<sup>7</sup> OGRID I	No.				<sup>8</sup> Operator N	lame			<sup>9</sup> Elevation
7377	' I			EC	OG RESOUR	CES, INC.			3369'
					<sup>10</sup> Surface Lo	ocation			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	e County
0	21	25-S	33-E	-	270'	SOUTH	2176'	EAST	LEA
	·	.1	11 <sub>B</sub>	Jottom Ho	le Location If D	Different From Sur	rface	SL	
UL or lot no.	Section	n Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West lin	e County
J	16	25-S	33-E	-	2531	SOUTH	-1971'	EAST	LEA
<sup>12</sup> Dedicated Acres 480.00	<sup>13</sup> Joint or	Infill <sup>14</sup> Co	nsolidation Cod	ie <sup>15</sup> Orde	er No.				

State of New Mexico

Energy, Minerals & Natural Resources

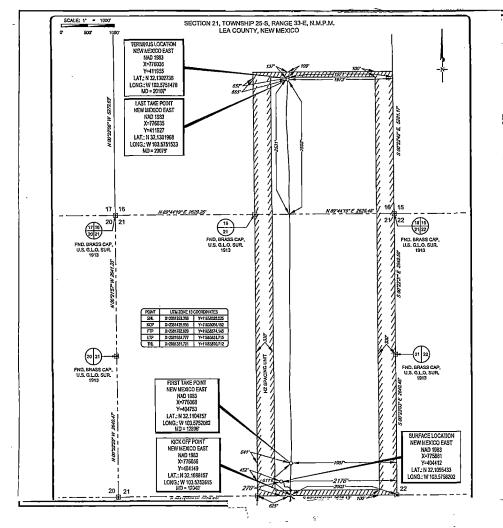
Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

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.



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District I 1625 N. French Dr., Hobbs, NM 88240

District II 811 S. First St., Artesia, NM 88210

District IV

Phone: (575) 393-6161 Fax: (575) 393-0720

Phone: (575) 748-1283 Fax: (575) 748-9720

1220 S. St. Francis Dr., Santa Fe, NM 87505

District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

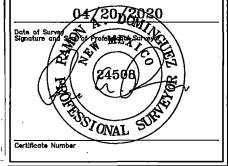
> <sup>17</sup>OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complet to the best of my knowledge and belief, and that this organisation either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order herelofore entered by the division.

11/11/2020

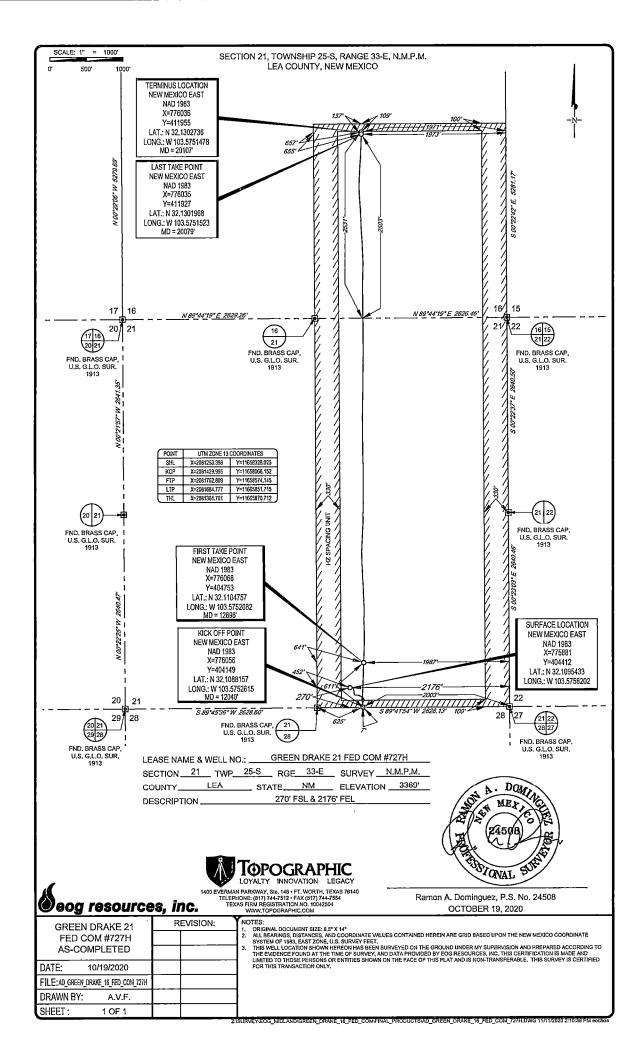
KAY MADDOX

kay\_maddox@eogresources.com E-moll Address

<sup>18</sup>SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.



TSILO\_GREEN\_DRAKE\_21\_FC\_727H-1.DWG 5/6/2020 4:12:07 PM tstewa



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Company: Project: Site: Well: Well: Wellbore: Design:	EOG Resources - Lea County, NM (I Green Drake 21 Fi #727H. OH OH	NAD 83 NME)				Local Co-ordinat TVD Reference: MD Reference: North Reference Survey Calculati Database:	х х т	Well #727H KB = 22' @ 3391.0usl KB = 22' @ 3391.0usl Grid Minimum Curvature EDM		
Survey MD (usft)	inc (°)	Azi (azimuth) (°)	TVD (usft)		E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn Hi (°/100usft)	gh to Plan (usft)	Right to Plan (usft)
19,090	).0 89	.96 354.74	12,648.3	6,524.8	140.4	3.75	-1.30	-3.52	-2.8	12.3
19,185	5.0 90	.75 355.36	12,647.8	6,619.4	132.2	1.06	0.83	0.65	-4.0	19.9
19,280	).0 · 92	.07 358.79	12,645.4	6,714.2	127.3	3.87	1.39	3.61	-6.9	24.1
19,375	5.0 91	.10 359.66	12,642.8	6,809.2	126.1	1.37	-1.02	0.92	-10.2	24.8
19,470	0.0 91	.10 1.86	12,641.0	6,904.1	127.3	2.32	0.00	2.32	-12.7	22.9
19,566	5.0 91	.36 3.09	12,638.9	7,000.0	131.5	1.31	0.27	1.28	-15.4	18.1
19,661	.0 90	.75 3.00	12,637.2	7,094.9	136.5	0,65	-0.64	-0.09	-17.8	12.4
19,750	9.0 91	.19 3.79	12,635.6	7,189.7	142.1	0.95	0.46	0.83	-20.1	6.2
19,851	.0 90	.22 1.95	12,634.4	7,284.6	146.9	2.19	-1.02	-1.94	-21.9	0,8
19,946	6.0 89	.87 0.98	12,634.3	7,379.5	149.3	1.09	-0.37	-1.02	-22.6	-2.2
20,041	.0 90	.66 2.48	12,633.9	7,474.5	152.2	1.78	0.83	1.58	-23.7	-5.7
Last MWI	2 Survey (MD=2004	1.0')	باید می می می در این مرد میشی مرد میشون	الاستراجمية (موجد م) - الاستراجمية المرجم من	، م، م مي اد مد المكترية (	· · · · · · · · · · · · · · · · · · ·	رمیوند در برای ایسانی در این در آیسی بریونده را میزارد	دید رامد امام ادم. مراجع رامیدم مر	سیند در د سیرشن از دار	unegen g
20,107	.0 90	.66 2.48	12,633.1	7,540.4	155.0	0.00	0.00	0.00	-24.9	-9.0
Projectio	n to Bit (MD=20107	0') - PBHL(GD 21 FC #727	H)	nee a saan Baart birr Saab	• • • • •	na na la la la la	a arean para ana a Arana 1990 - Arana ar	y waxi iaia Areader a y		
Design Annotati	Measured Ve Depth D (usft) (u 12,040.0 1	rtical Loc: epth +N/-S isft) (usft) 2,021.1 -263.3 2,264.9 -170.0		Comment KOP, MD:12040.0', FTP Crossing, MD:				35	2	
	20,041.0 1	2,633.9 7,474. 2,633.1 7,540.4	5 .152.2	Last MWD Survey (	MD=20041.0')					
Checked By:				Approved By:				Date:		

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COMPASS 5000, 15 Build 91

I certify this survey to be true and correct to the best of my belief and knowledge.

Maddox 11/13/2020 Date

Signed

REC'D 11/16/2020 - NMOCD

# Seog resources

## **EOG Resources - Midland**

Lea County, NM (NAD 83 NME) Green Drake 21 Fed Com #727H OH

Design: OH

### **Midland PVA**

08 July, 2020

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Well #727H Company: EOG Resources - Midland Local Co-ordinate Reference: Project: Lea County, NM (NAD 83 NME) TVD Reference: KB = 22' @ 3391.0usft Green Drake 21 Fed Com #727H Site: MD Reference: KB = 22' @ 3391.0usft Grid Well: North Reference: он Survey Calculation Method: Minimum Curvature Wellbore: он Database: EDM Design: Project Lea County, NM (NAD 83 NME) US State Plane 1983 North American Datum 1983 Map System: System Datum: Mean Sea Level Geo Datum: Map Zone: New Mexico Eastern Zone Green Drake 21 Fed Con Site Northing: 404,412.00 usft Latitude: 32° 6' 34.354 N Site Position: Easting: 775,848.00 usft Longitude: 103° 34' 33.335 W From: Мар Position Uncertainty: 0.0 usft Slot Radius 13-3/16 " Grid Convergence: 0.40 ° #727H Well 404,412.00 usft 32° 6' 34.352 N Well Position +N/-S 0.0 usft Northing: Latitude: 775,881.00 usft +E/-W 0.0 usft Easting: Longitude: 103° 34' 32,952 W Position Uncertainty 0.0 usft Wellhead Elevation: usft Ground Level: 3,369.0 usft OH Wellbore Magnetics Model Name Sample Date Declination Dip Angle Field Strength (°) (nT) (°) IGRF2020 6/27/2020 47,526.66932839 6.65 59.83 OH Design Audit Notes: ACTUAL 0.0 Version: 1.0 Phase: Tie On Depth: +N/-S +E/-W Vertical Section: Depth From (TVD) . Direction (usft) (usft) (usft) (°) 0.0 0.0 0.0 1.11 Date 7/8/2020 Survey Program . . . ч. , From Τő ، (uśft) (usft) Survey (Wellbore) Tool Name Description ŝ EOG MWD+IFR1 20,107.0 Driltech (OH) MWD + IFR1

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Company: Project: Site: Well: Wellbore: Design:	Léa Co	Resources - Midia ounty, NM (NAD Drake 21 Fed C	83 NME)	· · · · · · · · · · · · · · · · · · ·			Local Co-ordina TVD Reference: MD Reference: North Referenc Survey Calcula Database:	e:	Well #727H KB = 22' @ 3391.0 KB = 22' @ 3391.0 Grid Minimum Curvature EDM	usft	
Survey	<u> </u>	<u>an an a</u>		<u>, a companyon de la analan and an</u> a analan an analan an a a an an an an an an							<u>لا من من من من موسوع من </u>
MD (usft)		Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0,00	0.00	0.0	0.0
1!	96.0	1.58	233.05	196.0	-1.6	-2.2	. 0.81	0.81	0.00	0.0	0.0
3:	21.0	2.20	226.99	320.9	-4.3	-5.3	0.52	0.50	-4.85	0.0	0.0
50	07.0	2.64	226.90	506.7	-9.7	-11.0	0.24	0.24	-0.05	0.0	0.0
69	97.0	2,99	335.18	696.6	-8.2	-16.3	2.40	0.18	56.99	0.0	0.0
8	88.0	3.34	20.36	887.3	1.6	-16,5	1.28	0.18	23,65	0.0	0.0
1,07	78.0	3.52	52.79	1,077.0	10.3	-9.9	1.01	0.09	17.07	0.0	0.0
1,12	29.0	4.13	60,52	1,127.9	12.2	-7.0	1.56	1.20	15.16	0.0	0.0
1,26	64.0	5.28	73,36	1,262.5	16.3	3.1	1.15	0.85	9.51	-1.5	-1.1
1,4	54.0	6.24	114.49	1,451.6	14.5	20.9	2.18	0.51	21.65	-9.9	-2.6
1,64	45.0	5.80	143.84	1,641.6	2.5	36.1	1.61	-0.23	15.37	-16.3	4.0
1,83	35.0	5.89	159.23	1,830.6	-14.4	45.2	0.82	0.05	8.10	-18.4	6.4
2,02	26.0	5.45	167.66	2,020.7	-32.4	50,6	0.49	-0.23	4.41	-21.5	3.9
2,21	16.0	4.75	172.06	2,209.9	-49.0	53.6	0.42	-0.37	2.32	-24.1	-1.4
2,40	07.0	3.96	174.78	2,400.4	-63.4	55.3	0.43	-0.41	1.42	-25,0	-8.3
2,59	97.0	3.52	171.09	2,589.9	-75.7	56.8	0.26	-0.23	-1.94	-22.7	-17.7
2,78	B8.0	2.99	161.69	2,780,6	-86.3	59.3	0.39	-0.28	-4.92	-15.1	-27.1
2,97	78.0	2.46	137.52	2,970.4	-94.0	63.6	0.66	-0.28	-12.72	4.5	-31.4
3,16	69.0	3.96	105.88	3,161.1	-98.8	72.7	1.19	0.79	-16.57	22.9	-16.8
3,36	50.0	4.13	96.82	3,351.7	-101.4	85.9	0.35	0.09	-4.74	. 22.9	-2.4
3,55	50.0	4.04	91.64	3,541.2	-102.4	99.4	0.20	-0.05	-2.73	19.4	11.8
3,74	41.0	2.90	91.55	3,731.8	-102.8	110.9	0.60	-0.60	-0.05	17.7	24.0
3,93	32.0	2.64	85.40	3,922.6	-102.5	120.1	0.21	-0.14	-3.22	14.4	38.8
. 4,02	27.0	4.75	124.42	4,017.4	-104.6	125.6	3.34	2.22	41.07	37.5	25.1
4,21	17.0	5.10	115.81	4,206.7	-112.7	139.7	0.43	0.18	-4.53	31.2	36.
4,31	12.0	7.03	118.62	4,301.2	-117.3	148.6	2.05	2.03	2.96	30.1	38.
4,50	13.0	6.07	130.57	4,490.9	-129,5	166.5	0.87	-0.50	6.26	31.4	37.4

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Company: Project: Site: Well: Wellbore: Design:	Lea Cou	sources - Midla nty, NM (NAD 8 rake 21 Fed Cc	33 NME)		* . *		Local Co-ordina TVD Reference: MD Reference: North Referenc Survey Calcular Database:	e: "	Well #727H KB = 22' @ 3391.0 KB = 22' @ 3391.0 Grid Minimum Curvature EDM	usft	
Survey MD (usft)	ň	inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
4,6	593.0	9.85	133.91	4,679.1	-147.3	185.8	2.00	1.99	1.76	22.8	38.7
4,8	384.0	3,61	237.10	4,869.1	-161.9	192.6	5.88	-3.27	54.03	29.3	-30.9
5,0	074.0	1.49	278.23	5,058.9	-164.8	185.1	1.41	-1.12	21.65	-16.0	-49.3
5,2	264.0	1.41	331.58	5,248.9	-162.4	181.6	0.69	-0.04	28.08	-58.0	-13.8
5,4	\$55.0	1.23	333.07	5,439.8	-158.5	179.5	0.10	-0.09	0.78	-62.7	-12.2
5,6	645.0	1.23	316.81	5,629.8	-155.2	177.2	0.18	0.00	-8.56	-60.8	-29.9
5,8	336.0	1.32	325.69	5,820.7	-151.9	174.5	0.11	0.05	4.65	-68.9	-19.8
6,0	026.0	1.41	322,70	6,010.7	-148.3	171.9	0.06	0.05	-1.57	-72.3	-23.5
6,2	217.0	1.76	303.54	6,201.6	-144.8	168.0	0,33	0.18	-10.03	-65.7	-46.7
6,4	107.0	2.20	228.40	6,391.5	-145.6	162.9	1.28	0.23	-39.55	23.9	-78.3
6,5	598.0	2.29	165.11	6,582.4	-151.7	161.1	1.23	0.05	-33.14	75.2	-17.2
6,7	788.0	2.11	164.06	6,772.2	-158.7	163.0	0.10	-0.09	-0.55	68.2	-15.8
6,9	979.0	2.11	168.72	6,963.1	-165.6	164.7	0.09	0.00	2.44	59.7	-21.0
7,1	70.0	2.20	172.06	7,154.0	-172.6	165,9	0.08	0,05	1.75	51.2	-24.3
7,3	60,0	2.29	178.91	7,343.8	-180.0	166.5	0.15	0.05	3.61	40.5	-29.8
7,5	502.7	2.15	171.39	7,486.4	-185.5	166.9	0.23	-0.10	-5.27	38.6	-24.6
Brushy	Top(GD 21	FC #727H)	· · · · · · · · · · · ·		e e se		· · · · · · ·	· · · · ·	internet in the second s		
7,5	51.0	2.11	168.63	7,534.7	-187.3	167.2	0.23	-0.08	-5.71	37.9	-22.8
7,7	41.0	1.76	157.99	7,724.6	-193.4	169.0	0.26	-0.18	-5.60	35.1	-16.0
7,9	32.0	1.85	171.27	7,915.5	-199.2	170.6	0.22	0,05	6.95	24.6	-23.0
8,1	22.0	1.76	181.29	8,105.4	-205.2	171.0	0.17	-0.05	5.27	14.2	-26.4
8,3	313.0	2.29	176.80	8,296.3	-211.9	171.1	0.29	0.28	-2.35	9.5	-25.4
8,5	503.0	2.55	176.01	8,486.1	-219.9	171.6	0.14	0.14	-0.42	1.9	-25.3
8,6	93.0	2.90	180.85	8,675.9	-228.9	171.9	0.22	0.18	2,55	-9.3	-25.0
8,8	84.0	2.55	183.66	8,866.7	-238.0	171.5	0.20	-0,18	1.47	-19,6	-24.3
-	074.0	1.32	184.80	9,056.6	-244.4	171.1	0.65	-0.65	0.60	-26.5	-23.8
	65.0	0.44	117.39	9,247.5	-246.9	171.5	0.64	-0,46	-35,29	10,2	-35.6

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# Seog resources

### EOG Resources Midland PVA

	EOG Resources - Mid Lea County, NM (NAD Green Drake 21 Fed C #727H OH OH	0 83 NME)			· · · · · · · · · · · · · · · · · · ·	Local Co-ordina TVD Reference: MD Reference: North Reference Survey Calculat Database:	e:	Well #727H KB = 22' @ 3391 ( KB = 22' @ 3391 ( Grid Minimum Curvatur EDM	Dusft	
Survey	المورية المرمين العام المراجعة المراجع	n na stal andar a	ار بعرين المحقق مع الماني الم مستقيمة المحقق الماني الم	na ti <del>se</del> ten han te seten - a sera a se sejen	و بر بر ایکاند کار ا د ه بر ایر ایر برای	a ata ang a ata a B A ata ang ata ata ata	a latan litika aya kutayan Manazar ya ka	الاردية محمدة المراجع	n non na na Airi a T A Airinn na Nachara	1997-1997 (m. 1997) 1997-1997 (m. 1997)
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	`Turn (*/100usft)	High to Plan (usft)	Right to Plan (usft)
9,360.		80.21	9,342.5	-247.0	172.3	0.34	0.09	-39.14	29.0	-22,
9,550.		173.99	9,532.5	-248.3	173.3	0.56	0.18	49.36	-25.7	-26.
9,645.	.0 1.06	196.67	9,627.5	-249.9	173.1	0.44	0.19	23.87	-35.5	-14.
9,836.	.0 0.70	225.06	9,818.5	-252.4	171.8	0.29	-0.19	14.86	-40.7	5.
9,931.	.0 2.29	53.41	9,913.5	-251.7	172.9	3.14	1.67	-180.68	38.2	-11.
10,026.	.0 2.11	37.58	10,008.4	-249.2	175.5	0.66	-0.19	-16.66	36.2	-0.
10,121.	.0 1.23	43.56	10,103.4	-247.0	177.3	0.94	-0.93	6.29	33.2	-4.
10,217.	.0 0.70	322.70	10,199.3	-245.8	177.6	1.37	-0.55	-84.23	8.8	31.
10,312.	.0 0.53	294.66	10,294.3	-245.2	176.9	0,36	-0.18	-29.52	-7.8	31.
10,407.	.0 0.35	352.67	10,389.3	-244.7	176.4	0.48	-0.19	61.06	21.9	23.
10,597.	.0 0.88	140,86	10,579.3	-245.3	177.3	0.63	0.28	77.99	-7.2	-31.
10,693.	.0 0.79	113.52	10,675.3	-246.1	178.4	0.42	-0.09	-28.48	6.7	-31.
10,883.	.0 1.23	106.14	10,865.3	-247.2	181.5	0.24	0.23	-3.88	7.3	-30.
11,074.	.0 3.34	25.10	11,056.2	-242.7	185.8	1.77	1.10	-42.43	25.3	0.
11,169.	.0 2.11	34.33	11,151.1	-238.8	188.0	1.37	-1.29	9.72	20.6	-3.
11,359.	.0 0.88	224.18	11,341.0	-236.9	189.0	1.57	-0.65	-89.55	-17.7	6.
11,550.	.0 0.70	231.82	11,532.0	-238.7	187.0	0.11	-0.09	4.00	-19.4	8.
11,645.	.0 3.08	206.07	11,627.0	-241.4	185.4	2.60	2.51	-27.11	-24.3	-1.
11,757.	.0 5.28	199.13	11,738.6	-248.9	182,4	2.01	1.96	-6.20	-32.1	-4.
11,947.	.0 2.37	214.77	. 11,928.2	-260,4	177.3	1.61	-1.53	8.23	-44.4	6.
12,040.	.0 2.46	222.78	12,021.1	-263.5	174.9	0.37	0.09	8.61	-46.9	13.
KOP, MD: 12,043.	12040.0', TVD:12021.1' 0 2.46	,N/S:-263.5', E/W:174.9 223.03	, INC:2.46 12,024.1	-263.6	174.8	0.37	0,12	8.27	-47.0	13.
12,138.	.0 14.25	354.25	12,118.2	-253.3	172.2	16.82	12.41	138.13	30.9	28.
12,233.	.0 34.12	1.37	12,204.5	-214.7	171.7	21.10	20.92	7.49	7.0	25.
12,308.	.2 38.85	359.59	12,264.9	-170.0	172.0	6.45	6.29	-2.37	-17.5	25.
	sing, MD:12308.2', TVD					·	0.20	-2.51		

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Company: Project: Site: Well: Wellbore: Design:	EOG Resour Lea County, I Green Drake #727H OH OH	NM (NAD 8	nd 33 NME)		2 - 4 	,	Local Co-ordina TVD Reference: MD Reference: North Reference Survey Calculat Database:	e:	Well #727H 'KB = 22' @ 3391.0us KB = 22' @ 3391.0us Grid Minimum Curvature EDM		
Survey				سور میرد میکویست به تعین مربع بر میکویست میگو بر از این دولی ایک	and a state of the second s Second second se Second second se Second second se	••• ••• • • • • • • • • • • • • • • •	k i najiran najiri na na najirina Najiri				
MD (usft)	Inc (*)		Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn H (°/100usft)	ligh to Plan (usft)	Right to Plan (usft)
12,3		40.10	359.18	12,280.2	-157.4	171.9	6.45	6.31	-2,06	-23.4	25.0
12,4	23.0	53.64	0.14	12,345.0	-88.2	. 171.5	14.27	14.25	1.01	-50,9	. 26.0
12,4	69.4	58.35	1.56	12,370.9	-49.8	172.1	10.46	10.15	3.05	-64.3	26.3
FTP(GL	21 FC #727H)	-÷-	م الم الم الم الم الم الم الم الم الم ال		دینمانی رماند امان مطلب میاند در ۲۰ امانه			· · · · · · · · · · · · · · · · · · ·		مي ديني . در	* ;, 
12,5		63.40	2.92	12,395.1	-6.5	173.8	10.46	10.18	2.75	-77.6	25.4
12,6		63.22	2.92	12,437.7	78.3	178.1	0.19	-0.19	0.00	-91.2	19.3
12,7		66.30	0.99	12,478.3	164.1	181.0	3.73	3.24	-2.03	-83.9	14.1
12,8	04.0	68.24	1.78	12,515.0	251.7	183.2	2.18	2.04	0.83	-58.4	11.5
12,9	00.0	74.57	3.28	12,545.6	342.6	187.2	6.76	6.59	1.56	-30.5	6.3
12,9	95.0	84.94	1.43	12,562.4	435.8	191.0	11.08	10.92	-1.95	-16.4	1.7
13,0	70.7	86.76	1.08	12,567.9	511.3	192.7	2,45	2.41	-0.46	-13.1	-0.5
	GD 21 FC #727H		a an a the second	ار با است. هذا ارو شاریب است	n e e e Subana an S	n y na sa ang kanang	n part i a . 	n an	ا به مده م ادار مای در . به شد آنوا بر همر و آو و به	ې مې مانې د بېدې د م	
13,0		87.23	0.99	12,568.9	530.6	193.0	2.45	2.41	-0,46	-12.6	-0.9
13,1	86.0	91.54	2.49	12,569.9	626.5	195.9	4.75	4.49	1.56	-12.9	-4.5
13,2	81.0	86.09	357.83	12,571.9	721.4	196.2	7.55	-5.74	-4.91	-12.0	-5.4
13,3	76.0	84,33	357.92	12,579.8	816.0	192.7	1.86	-1.85	0.09	-5.2	-2.5
13,4	71.0	85.65	0.02	12,588.1	910.7	191.0	2.60	1.39	2.21	1.9	-1.4
13,5	66.0	92.33	0.99	12,589.8	1,005.6	191.8	7.11	7.03	1.02	2.5	-2.9
13,6	62.0	93.03	359.06	12,585.3	1,101.5	191.9	2.14	0.73	-2.01	-3.1	-3.5
13,7	57.0	91.19	358.09	- 12,581.8	1,196.4	189.5	2.19	-1.94	-1.02	-7.8	-1.8
13,8		91.54	356.33	12,579.6	1,291.2	184.9	1.89	0.37	-1.85	-11.2	2.2
13,8		91.35	356.45	12,579.0	1,312.2	183.6	1.08	-0.93	0.56	-12.0	3.4
TGT#2[	GD 21 FC #727H	)	ana a a a a							• • • • •	
13,9		90.66	356,86	12,577.7	1,386.0	179.2	1.08	-0.93	0.56	-14.4	7.2
14,0	43.0	89.52	355.63	12,577.6	1,481.8	173.0	1.75	-1.19	-1.28	-16.2	12.8
14,1	38.0	88.99	357,30	12,578.8	1,576.6	167.1	1.84	-0.56	1.76	-16.5	18.1
14,2	33.0	90.40	358.09	12,579.3	1,671.6	163.3	1.70	1,48	0.83	-17.5	21,3

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Company: Project: Site: Vell: Vellbore: Design:	Lea Co	tesources - Midla ounty, NM (NAD Drake 21 Fed Co	83 NME)		* *		Local Co-ordina TVD Reference: MD Reference: North Referenc Survey Calculat Database:	e:	Well #727H KB = 22' @ 3391.0 KB = 22' @ 3391.0 Grid Minimum Curvature EDM	usft	
Survey		••••••••••••••••••••••••••••••••••••••		and a second					in a se suite		n har an
MD (usft)	:	Inc (°)	Azi (azimuth)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (%100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan . (usft)	Right to Plan (usft)
14,32	8.0	88.20	357.74	12,580.5	1,766.5	159.8	2.34	-2.32	-0.37	-17.9	24
14,42	4.0	89.78	2.13	12,582.2	1,862.4	159.7	4.86	1.65	4.57	-17.7	23
14,51	9.0	87.93	2.75	12,584.1	1,957.3	163.8	2.05	-1.95	0.65	-17.4	19
14,61	4.0	88.20	2.93	12,587.3	2,052.2	168.5	0.34	0.28	0.19	-15.7	13
14,70		86.53	2.66	12,591.7	2,146.9	173.1	1.78	-1.76	-0.28	-12.9	8
14,80	4.0	88.90	1.70	12,595.4	2,241.8	176.7	2.69	2.49	-1.01	-10.7	4
14,90	0.0	86.70	359,94	12,599.1	2,337.7	178.1	2.93	-2.29	-1.83	-8.5	2
14,99	5.0	90.84	0.82	12,601.2	2,432.7	. 178.7	4.46	4.36	0.93	-8.0	0
15,09	0.0	91,54	1.17	12,599.2	2,527.6	180.4	0.82	0.74	0.37	-11.6	-1
15,18	5.0	91.10	0.11	12,597.0	2,622.6	181.4	1.21	-0,46	-1,12	-15.3	-3
15,28	1.0	90.92	359.50	12,595.3	2,718.6	181.1	0.66	-0.19	-0.64	-18.6	-3
15,37	6,0	90,75	359.41	12,593.9	2,813.6	180.2	0.20	-0.18	-0.09	-21.5	-3
15,47	1.0	91.01	359.93	12,592.5	2,908.5	179.6	0.61	0.27	0.55	-24.5	-3
15,56	6.0	89.60	358.70	12,592.0	3,003.5	178.5	1.97	-1.48	-1.29	-26.5	-2
15,66	2.0	90.57	359.75	12,591.8	3,099.5	177.2	1.49	1.01	1.09	-28.2	-2
15,75	7.0	91.36	359.14	12,590.2	3,194.5	176.3	1.05	0.83	-0.64	-31.4	-1.
15,85	2.0	87.76	358.52	12,591.0	3,289.5	174.3	3.85	-3.79	-0.65	-32.2	-0.
15,94	7.0	88.46	359.40	12,594.1	3,384.4	172.6	1.18	0.74	0.93	-30.6	0
16,04	3.0	86.44	0.45	12,598.4	3,480.3	172.5	2.37	-2.10	1.09	-27.9	. 0
16,13	8.0	86.70	359.14	12,604.0	3,575.1	172.2	1.40	0.27	-1.38	-23.8	-0
16,23	3.0	86.97	0,19	12,609.3	3,670.0	171.6	1.14	0,28	1.11	-20.1	-0
16,32	9.0	86.79	0.37	12,614.5	3,765.8	172.1	0.26	-0.19	0.19	-16.4	-1
16,42	4.0	88.99	0.98	12,618.0	3,860.7	173.2	2,40	2.32	0.64	-14.5	-3
16,51	9.0	89.69	1.69	12,619.1	3,955.7	175.4	1.05	0.74	0.75	-14.9	-5
16,61	4.0	88.99	0.45	12,620.2	4,050.7	177.2	1.50	-0.74	-1.31	-15.4	-8
16,71	0.0	88.11	359.49	12,622.6	4,146.7	177.1	1.36	-0.92	-1.00	-14.5	-8
16,80	5.0	89.78	0,28	12,624.4	4,241.6	176,9	1,94	1.76	0.83	-14.3	-9

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Company: . Project: Site: Nell: Nellbore: Design:	EOG Resources - Midl Lea County, NM (NAD Green Drake 21 Fed C #727H OH OH	83 NME)				Local Co-ordin TVD Reference MD Reference: North Referenc Survey Calcula Database:	e:	Well #727H KB = 22' @ 3391.0us KB = 22' @ 3391.0us Grid Minimum Curvature EDM		
Šurvey	n na	an a	- <u>1999 - 1999 - 1999 - 1999</u> 1997 - 1997 - 1997 - 1997 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		a agara a a a a a	<u> </u>		serve ar a serve a serve ar a serve ar a serve ar de la serve a serve ar a serve ar a serve estador de la serve ar a serve ar a serve ar a serve ar a serve ar		م موجد مرجو <del>نو.</del> محمد مرجونو
MD (usft)	inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn H ("/100usft)	igh to Plan (usft)	Right to Plan (usft)
16,900	0.0 89.52	1.51	12,625.0	4,336.6	178.4	1.32	-0.27	1.29	-15.3	-11.
16,995	i.0 87.32	0.10	12,627.6	4,431.6	179.7	2.75	<b>-2</b> ,32	-1.48	-14.2	-13.
17,091	.0 87.05	0.54	12,632.3	4,527.5	180.3	0.54	-0.28	0.46	-11.0	-14.
17,186	6.0 88.37	359.31	12,636.1	4,622.4	180.2	1.90	1.39	-1.29	-8.8	-15.
17,281	.0 90.13	359.93	12,637.3	4,717.4	179.5	1.96	1.85	0.65	-9.1	-15.
17,376	i.0 90.22	359.93	12,637.0	4,812.4	179.4	0.09	0.09	0.00	-10.9	-15.
17,471	.0 89.16	359.40	12,637.6	4,907.4	178.9	. 1.25	-1.12	-0,56	-12.0	-15.
17,561	.9 89.33	358.82	12,638.8	4,998.2	177.5	0,66	0.19	-0.64	-12.2	-14.
TGT#3(G	D 21 FC #727H)						منحارة الاستخبار معالمة ما 		*******	nan na cicia i
17,567	.0 89.34	358.79	12,638.8	5,003.3	177.3	0.66	0.19	-0.64	-12.3	-14.
17,662	2.0 89.52	358.87	12,639.8	5,098.3	175.4	0.21	0.19	0.08	-11.6	-13.
17,757	.0 90.48	0.19	12,639.8	5,193.3	174.6	1.72	1.01	1.39	-11.6	-13.
17,852	.0 91.89	0.28	12,637,8	5,288.3	175.0	1.49	1.48	0.09	-13.5	-14.
17,948	.0 89.96	357.47	12,636.2	5,384.2	173.1	3.55	-2.01	-2.93	-15.1	-12.
18,043	.0 89.25	2.04	12,636.9	5,479.2	172.7	4.87	-0.75	4.81	-14.4	-13.
18,138	8.0 88.29	1.07	12,638.9	5,574.1	175.3	1.44	- <b>1</b> .01	-1.02	-12.3	-16.
18,233	.0 87.85	1.16	12,642.1	5,669.1	177.1	0.47	-0.46	0.09	-9.1	-18.
18,328	.0 90.48	1.60	12,643.5	5,764.0	179.4	2.81	2.77	0.46	-7.7	-21.
18,424		354.83	12,643.9	5,859.9	176.4	7.20	-1.46	-7.05	-7.3	-19.
18,519	.0 89.60	357.47	12,645.0	5,954.7	170.1	2.83	0.55	2.78	-6.2	-13.
18,614	.0 90.13	357.91	12,645.2	6,049.6	166.2	0.73	0.56	0.46	-5.9	-10
18,709	.0 87.85	355.09	12,646.9	6,144.4	160.4	3.82	-2.40	-2.97	-4.2	<b>*</b> 5.
18,805	.0 88.64	357.03	12,649.8	6,240.1	153.9	2.18	0.82	2.02	-1.2	0.
18,900		357.91	12,650.6	6,335.0	149.7	2.07	1.85	0.93	-0.4	4.
18,995		358,08	12,649.3	6,430.0	146.3	0,85	0,83	0.18	-1.7	7
19,065		355,59	12.648.4	6,500.6	142.4	3.75	-1.29	-3.52	-2.6	10
	D 21 FC #727H)									

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Company: Project: Site: Well: Well: Wellbore: Design:	EOG Resources - Lea County, NM (I Green Drake 21 Fi #727H. OH OH	NAD 83 NME)				Local Co-ordinat TVD Reference: MD Reference: North Reference Survey Calculati Database:	× •	Well #727H KB = 22' @ 3391.0usl KB = 22' @ 3391.0usl Grid Minimum Curvature EDM		
Survey MD (usft)	inc (°)	Azi (azimuth) (°)	TVD (usft)		E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn Hi (°/100usft)	gh to Plan (usft)	Right to Plan (usft)
19,090	).0 89	.96 354.74	12,648.3	6,524.8	140.4	3.75	-1.30	-3.52	-2.8	12.3
19,185	5.0 90	.75 355.36	12,647.8	6,619.4	132.2	1.06	0.83	0.65	-4.0	19.9
19,280	).0 · 92	.07 358.79	12,645.4	6,714.2	127.3	3.87	1.39	3.61	-6.9	24.1
19,375	5.0 91	.10 359.66	12,642.8	6,809.2	126.1	1.37	-1.02	0.92	-10.2	24.8
19,470	0.0 91	.10 1.86	12,641.0	6,904.1	127.3	2.32	0.00	2.32	-12.7	22.9
19,566	5.0 91	.36 3.09	12,638.9	7,000.0	131.5	1.31	0.27	1.28	-15.4	18.1
19,661	.0 90	.75 3.00	12,637.2	7,094.9	136.5	0,65	-0.64	-0.09	-17.8	12.4
19,750	9.0 91	.19 3.79	12,635.6	7,189.7	142.1	0.95	0.46	0.83	-20.1	6.2
19,851	.0 90	.22 1.95	12,634.4	7,284.6	146.9	2.19	-1.02	-1.94	-21.9	0,8
19,946	6.0 89	.87 0.98	12,634.3	7,379.5	149.3	1.09	-0.37	-1.02	-22.6	-2.2
20,041	.0 90	.66 2.48	12,633.9	7,474.5	152.2	1.78	0.83	1.58	-23.7	-5.7
Last MWI	2 Survey (MD=2004	1.0')	باید می می می در این مرد میشی مرد میشون	الاستراجمية (موجد م) - الاستراجمية المرجم من	، م. م. م. آذ مد ایکترون	· · · · · · · · · · · · · · · · · · ·	رامید داد. با ایک مراد ان دا آیک بریکید امید امه	دید رامد امام ادم. مراجع رامیدم مر	سید د د د برشان د د	unegen g
20,107	.0 90	.66 2.48	12,633.1	7,540.4	155.0	0.00	0.00	0.00	-24.9	-9.0
Projectio	n to Bit (MD=20107	0') - PBHL(GD 21 FC #727	H)	nee a saan Baart birr Saab	• • • • • •	na na la la la la	a arean para ana a Arana 1990 - Arana Ara	y waxi iaia Areader a y		
Design Annotati	Measured Ve Depth D (usft) (u 12,040.0 1	rtical Loc: epth +N/-S isft) (usft) 2,021.1 -263.3 2,264.9 -170.0		Comment KOP, MD:12040.0', FTP Crossing, MD:				35	2	
	20,041.0 1	2,633.9 7,474. 2,633.1 7,540.4	5 .152.2	Last MWD Survey (	MD=20041.0')					
Checked By:				Approved By:				Date:		

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I certify this survey to be true and correct to the best of my belief and knowledge.

Maddox 11/13/2020 Date

Signed

