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State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 43882	² Pool Code 98177	³ Pool Name WC-025 G-09 S223332A; Upper Wolfcamp
⁴ Property Code 718099	⁵ Property Name LEGHORN 33 STATE COM	
⁶ Well Number #202H	⁷ Elevation 3596'	
⁸ GRID No. 7377	⁹ Operator Name EOG RESOURCES, INC.	

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	33	22-S	33-E	-	240'	NORTH	616'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	33	22-S	33-E	-	230'	SOUTH	991'	WEST	LEA

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.

X=772110.52
Y=493878.88

	SURFACE LOCATION NEW MEXICO NAD 1983 X=772729 Y=493643 LAT.: N 32.3548700 LONG.: W 103.5839894	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided 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 heretofore entered by the division. Signature: <u>Stan Wagner</u> Date: <u>6/26/17</u> Printed Name: <u>Stan Wagner</u> E-mail Address: _____	
	UPPER MOST PERF. NEW MEXICO NAD 1983 X=773111 Y=493556 LAT.: N 32.3546226 LONG.: W 103.5827528		18 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. Date of Survey: <u>06/10/2017</u> Signature of Professional Surveyor: <u>[Signature]</u> Certificate Number: <u>18329</u>
	LOWER MOST PERF. NEW MEXICO NAD 1983 X=773155 Y=488939 LAT.: N 32.3419304 LONG.: W 103.5827172		
	BOTTOM HOLE LOCATION NEW MEXICO NAD 1983 X=773156 Y=488839 LAT.: N 32.3416555 LONG.: W 103.5827164		

Permit Information:

Well Name: Leghorn 33 State Com No. 202H

Location:

SL: 240' FNL & 616' FWL, Section 33, T-22-S, R-33-E, Lea Co., N.M.

BHL: 230' FSL & 991' FWL, Section 33, T-22-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 - 1,060'	13.375"	54.5#	J55	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'-4,700'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0' - 14,215'	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
1,060'	525	13.5	1.75	Class C + 2% CaCl ₂ + 4% Gel + 0.25 pps Celloflake
	300	14.8	1.34	Class C + 2% CaCl ₂
4,700'	1300	12.7	1.90	35:65 Poz:Class C + 6% Gel + 3% CaCl ₂ + 0.5% CPT-45 + 0.45% CPT-20
	375	14.8	1.33	Class C + 0.20% CPT-19
14,215'	750	11.0	3.21	50:50 Poz:Class H + 0.4% CPT-503P + 3.0% CPT-45 + 5.0% Gypsum + 5.0% Salt + 0.15% Citric Acid + 0.15% CPT-20A + 1.0% CPT-19
	1400	14.4	1.20	50:50 Poz:Class H + 0.25% CPT-503P + 0.80% CPT-16A + 0.20% CPT-35 + 0.40% CPT-49 + 0.25% CPT-20A

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,060'	Fresh - Gel	8.6-8.8	28-34	N/c
1,060' - 4,700'	Brine	8.8-10.0	28-34	N/c
4,700' - 8,925'	Brine	8.8-10.0	28-34	N/c
8,925' - 14,215' Lateral	Brine	8.8-10.0	28-34	N/c