

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Colgate Operating, LLC 300 N Marienfeld Street, Suite 1000 Midland, Tx 79701		² OGRID Number 371449	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30 – 015 – 46300	⁵ Pool Name WINCHESTER; BONE SPRING		⁶ Pool Code 65010
⁷ Property Code 326127	⁸ Property Name LADY FRANKLIN 25 STATE		⁹ Well Number 132H

II. ¹⁰ Surface Location

UL or lot no. D	Section 25	Township 19S	Range 28E	Lot Idn	Feet from the 1,135	North/South Line North	Feet from the 265	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. H	Section 25	Township 19S	Range 28E	Lot Idn	Feet from the 2,302	North/South line North	Feet from the 18	East/West line East	County Eddy
¹² Lse Code S	¹³ Producing Method Code P		¹⁴ Gas Connection Date 04/06/2021		¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
329097	LM TOUCHDOWN, LLC	O
329097	LM TOUCHDOWN, LLC	G

IV. Well Completion Data

²¹ Spud Date 02/08/2021	²² Ready Date 04/20/2021	²³ TD 8,811 TVD 13,739 MD	²⁴ PBTD 8,811 TVD 13,635 MD	²⁵ Perforations 8,782 - 8,811 TVD 9,001 - 13,523 MD	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17.5		13.375		341	715
12.25		9.625		3,061	612
8.75		5.5		13,719	1,601

V. Well Test Data

³¹ Date New Oil 04/20/2021	³² Gas Delivery Date 04/20/2021	³³ Test Date 04/23/2021	³⁴ Test Length 24 hours	³⁵ Tbg. Pressure 316	³⁶ Csg. Pressure 1,070
³⁷ Choke Size 88/88	³⁸ Oil 1,294	³⁹ Water 2,459	⁴⁰ Gas 2.413		⁴¹ Test Method P
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: Mikah Thomas			Approved by: PATRICIA MARTINEZ		
Title: Operations Tech			Title: PETROLEUM SPECIALIST		
E-mail Address: mthomas@colgateenergy.com			Approval Date: 12/10/2021		
Date: 11/07/2021		Phone: 432-695-4272			

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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 30-015-46300	2 Pool Code 65010	3 Pool Name WINCHESTER; BONE SPRING
4 Property Code 326127	5 Property Name LADY FRANKLIN 25 STATE	6 Well Number 132H
7 OGRID No. 371449	8 Operator Name COLGATE OPERATING, LLC	9 Elevation 3358.0'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	25	19-S	28-E		1135'	NORTH	265'	WEST	EDDY

¹¹ Bottom 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	25	19-S	28-E		2302'	NORTH	18'	EAST	EDDY

12 Dedicated Acres 160	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.

16 CORNER DATA NEW MEXICO EAST - NAD 83 A - FOUND IRON PIPE W/ BRASS CAP N:596295.73' E:601180.65' B - FOUND IRON PIPE W/ BRASS CAP N:596322.31' E:603791.70' C - FOUND IRON PIPE W/ BRASS CAP N:596349.69' E:606402.97' D - FOUND IRON PIPE W/ BRASS CAP N:593708.88' E:606413.64' E - FOUND IRON PIPE W/ BRASS CAP N:591051.64' E:606427.41' F - FOUND BENT IRON PIPE W/ BRASS CAP N:591033.50' E:603813.10' G - FOUND BENT IRON PIPE W/ NO CAP N:591014.52' E:601198.97' H - FOUND IRON PIPE W/ BRASS CAP N:593655.17' E:601188.55'	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 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 heretofore entered by the division. <i>[Signature]</i> 3/16/2021 Signature Date Mikah Thomas Printed Name mthomas@colgateenergy.com E-mail Address
	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. <i>[Signature]</i> Date of Survey Signature and Seal of Professional Surveyor 3/16/2021 Certificate Number



Colgate Energy

Eddy County, NM (N83-NME)

Lady Franklin 25

Lady Franklin 25 State 132H - Slot LF 132H

30-015-46300

132H

Design: 132H

Standard Survey Report

21 February, 2021



Survey Report

Company:	Colgate Energy	Local Co-ordinate Reference:	Well Lady Franklin 25 State 132H - Slot LF 132H
Project:	Eddy County, NM (N83-NME)	TVD Reference:	3358+30 @ 3388.00usft (HP510)
Site:	Lady Franklin 25	MD Reference:	3358+30 @ 3388.00usft (HP510)
Well:	Lady Franklin 25 State 132H	North Reference:	Grid
Wellbore:	132H	Survey Calculation Method:	Minimum Curvature
Design:	132H	Database:	EDM 5000.14 Single User Db

Project	Eddy County, NM (N83-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		Lady Franklin 25			
Site Position:		Northing:		596,295.72 usft	
From:		Easting:		601,180.81 usft	
Position Uncertainty:		Slot Radius:		Grid Convergence:	
Map		0.00 usft		13-3/16 " 32.63911509 -104.13892250 0.10 °	

Well	Lady Franklin 25 State 132H - Slot LF 132H					
Well Position	+N-S	0.00 usft	Northing:	595,163.65 usft	Latitude:	32.63600201
	+E-W	0.00 usft	Easting:	601,449.14 usft	Longitude:	-104.13805755
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,358.00 usft

Wellbore	132H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	2/7/2021	7.20	60.40	47,830.80000000

Design	132H				
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	89.41	

Survey Program	Date	2/21/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
234.00	13,678.00	Survey #1 - FDIR thru TD (132H)	MWD+IFR1+SAG+FDIR (SQ OWSG MWD + IFR1 + Sag + FDIR Correction		
13,678.00	13,739.00	Survey #2 - PTB (132H)	BLIND	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	
00-LF25-132H- 0XYZ										
234.00	0.69	290.49	233.99	0.49	-1.32	-1.31	0.29	0.29	0.00	
431.00	1.75	235.52	430.95	-0.79	-4.91	-4.92	0.74	0.54	-27.90	
525.00	2.09	232.79	524.90	-2.64	-7.46	-7.49	0.37	0.36	-2.90	
633.00	1.89	226.04	632.83	-5.07	-10.31	-10.36	0.28	-0.19	-6.25	
727.00	2.03	222.67	726.78	-7.37	-12.55	-12.63	0.19	0.15	-3.59	
822.00	3.13	210.82	821.68	-10.84	-15.02	-15.13	1.28	1.16	-12.47	
1,011.00	4.00	203.16	1,010.32	-21.33	-20.26	-20.48	0.52	0.46	-4.05	
1,105.00	3.91	203.69	1,104.09	-27.28	-22.84	-23.12	0.10	-0.10	0.56	



Survey Report

Company:	Colgate Energy	Local Co-ordinate Reference:	Well Lady Franklin 25 State 132H - Slot LF 132H
Project:	Eddy County, NM (N83-NME)	TVD Reference:	3358+30 @ 3388.00usft (HP510)
Site:	Lady Franklin 25	MD Reference:	3358+30 @ 3388.00usft (HP510)
Well:	Lady Franklin 25 State 132H	North Reference:	Grid
Wellbore:	132H	Survey Calculation Method:	Minimum Curvature
Design:	132H	Database:	EDM 5000.14 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)	
1,200.00	4.00	202.95	1,198.87	-33.29	-25.43	-25.77	0.11	0.09	-0.78	
1,294.00	6.47	198.15	1,292.47	-41.35	-28.36	-28.78	2.67	2.63	-5.11	
1,389.00	6.48	197.09	1,386.86	-51.56	-31.60	-32.13	0.13	0.01	-1.12	
1,483.00	7.07	195.15	1,480.20	-62.21	-34.67	-35.31	0.67	0.63	-2.06	
1,578.00	8.58	193.95	1,574.32	-74.73	-37.91	-38.68	1.60	1.59	-1.26	
1,672.00	8.82	194.97	1,667.24	-88.50	-41.46	-42.37	0.30	0.26	1.09	
1,861.00	9.46	194.41	1,853.83	-117.54	-49.07	-50.28	0.34	0.34	-0.30	
1,956.00	9.80	194.43	1,947.50	-132.93	-53.03	-54.39	0.36	0.36	0.02	
2,050.00	10.18	195.06	2,040.07	-148.70	-57.18	-58.71	0.42	0.40	0.67	
2,144.00	10.62	196.19	2,132.53	-165.04	-61.75	-63.45	0.52	0.47	1.20	
2,239.00	11.12	197.45	2,225.82	-182.19	-66.94	-68.81	0.58	0.53	1.33	
2,333.00	10.30	197.07	2,318.18	-198.87	-72.12	-74.17	0.88	-0.87	-0.40	
2,427.00	9.50	193.23	2,410.78	-214.45	-76.37	-78.57	1.10	-0.85	-4.09	
2,522.00	9.65	191.92	2,504.46	-229.88	-79.81	-82.17	0.28	0.16	-1.38	
2,616.00	7.67	183.03	2,597.39	-243.85	-81.77	-84.27	2.54	-2.11	-9.46	
2,711.00	8.09	182.59	2,691.49	-256.86	-82.40	-85.04	0.45	0.44	-0.46	
2,805.00	8.53	182.30	2,784.50	-270.43	-82.98	-85.76	0.47	0.47	-0.31	
2,899.00	9.05	180.73	2,877.40	-284.79	-83.35	-86.28	0.61	0.55	-1.67	
2,987.00	9.52	181.05	2,964.25	-298.99	-83.58	-86.65	0.54	0.53	0.36	
3,158.00	9.84	181.14	3,132.81	-327.74	-84.13	-87.50	0.19	0.19	0.05	
3,252.00	9.88	179.16	3,225.42	-343.83	-84.17	-87.70	0.36	0.04	-2.11	
3,347.00	9.61	176.11	3,319.05	-359.89	-83.51	-87.21	0.61	-0.28	-3.21	
3,441.00	9.00	174.21	3,411.82	-375.03	-82.24	-86.09	0.73	-0.65	-2.02	
3,536.00	8.08	171.40	3,505.76	-389.03	-80.49	-84.49	1.06	-0.97	-2.96	
3,630.00	8.08	166.93	3,598.83	-402.00	-78.01	-82.14	0.67	0.00	-4.76	
3,725.00	10.33	185.11	3,692.62	-416.99	-77.26	-81.54	3.84	2.37	19.14	
3,819.00	9.71	182.95	3,785.19	-433.30	-78.41	-82.87	0.77	-0.66	-2.30	
3,913.00	9.05	181.42	3,877.93	-448.61	-79.00	-83.62	0.75	-0.70	-1.63	
4,008.00	8.50	178.77	3,971.82	-463.10	-79.04	-83.80	0.72	-0.58	-2.79	
4,103.00	8.04	176.83	4,065.83	-476.75	-78.52	-83.43	0.57	-0.48	-2.04	
4,197.00	7.03	171.93	4,159.02	-489.01	-77.35	-82.38	1.27	-1.07	-5.21	
4,292.00	6.25	166.65	4,253.38	-499.80	-75.34	-80.48	1.04	-0.82	-5.56	
4,386.00	9.04	182.07	4,346.54	-512.16	-74.42	-79.69	3.66	2.97	16.40	
4,480.00	8.48	178.19	4,439.45	-526.47	-74.47	-79.89	0.87	-0.60	-4.13	
4,575.00	7.74	174.15	4,533.50	-539.83	-73.60	-79.15	0.98	-0.78	-4.25	
4,669.00	7.28	171.60	4,626.69	-552.02	-72.08	-77.76	0.60	-0.49	-2.71	
4,764.00	9.42	191.42	4,720.70	-565.60	-72.74	-78.56	3.74	2.25	20.86	
4,858.00	8.81	192.67	4,813.51	-580.16	-75.85	-81.82	0.68	-0.65	1.33	
4,953.00	7.94	194.31	4,907.50	-593.62	-79.06	-85.17	0.95	-0.92	1.73	
5,047.00	6.83	193.48	5,000.72	-605.35	-81.97	-88.20	1.19	-1.18	-0.88	
5,141.00	5.78	194.71	5,094.15	-615.36	-84.48	-90.81	1.13	-1.12	1.31	
5,236.00	5.37	194.64	5,188.70	-624.29	-86.82	-93.24	0.43	-0.43	-0.07	
5,330.00	8.33	179.70	5,282.02	-635.36	-87.89	-94.43	3.65	3.15	-15.89	



Survey Report

Company:	Colgate Energy	Local Co-ordinate Reference:	Well Lady Franklin 25 State 132H - Slot LF 132H
Project:	Eddy County, NM (N83-NME)	TVD Reference:	3358+30 @ 3388.00usft (HP510)
Site:	Lady Franklin 25	MD Reference:	3358+30 @ 3388.00usft (HP510)
Well:	Lady Franklin 25 State 132H	North Reference:	Grid
Wellbore:	132H	Survey Calculation Method:	Minimum Curvature
Design:	132H	Database:	EDM 5000.14 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)
5,424.00	7.38	179.84	5,375.14	-648.20	-87.84	-94.51	1.01	-1.01	0.15
5,518.00	7.18	175.37	5,468.38	-660.09	-87.35	-94.14	0.64	-0.21	-4.76
5,613.00	10.03	181.36	5,562.31	-674.29	-87.06	-94.00	3.14	3.00	6.31
5,707.00	9.50	179.18	5,654.94	-690.23	-87.15	-94.25	0.69	-0.56	-2.32
5,802.00	8.84	176.50	5,748.73	-705.35	-86.59	-93.85	0.83	-0.69	-2.82
5,896.00	8.41	204.22	5,841.71	-718.83	-88.97	-96.37	4.40	-0.46	29.49
5,990.00	7.91	205.69	5,934.75	-730.93	-94.59	-102.12	0.58	-0.53	1.56
6,085.00	6.83	206.65	6,028.97	-741.87	-99.96	-107.60	1.14	-1.14	1.01
6,179.00	5.43	203.68	6,122.43	-750.94	-104.26	-111.98	1.53	-1.49	-3.16
6,274.00	4.70	203.63	6,217.06	-758.62	-107.62	-115.43	0.77	-0.77	-0.05
6,368.00	8.29	199.29	6,310.44	-768.55	-111.40	-119.31	3.85	3.82	-4.62
6,463.00	7.31	198.67	6,404.56	-780.74	-115.60	-123.64	1.04	-1.03	-0.65
6,557.00	6.50	196.62	6,497.88	-791.51	-119.04	-127.18	0.90	-0.86	-2.18
6,652.00	8.77	192.55	6,592.03	-803.73	-122.15	-130.42	2.45	2.39	-4.28
6,746.00	7.82	192.08	6,685.04	-816.98	-125.05	-133.45	1.01	-1.01	-0.50
6,841.00	11.28	198.09	6,778.72	-832.13	-129.28	-137.85	3.79	3.64	6.33
6,935.00	11.08	199.00	6,870.93	-849.41	-135.08	-143.82	0.28	-0.21	0.97
7,030.00	9.71	196.87	6,964.37	-865.71	-140.38	-149.28	1.50	-1.44	-2.24
7,124.00	8.80	194.01	7,057.15	-880.27	-144.42	-153.48	1.08	-0.97	-3.04
7,219.00	8.06	186.93	7,151.12	-893.94	-146.98	-156.18	1.34	-0.78	-7.45
7,313.00	10.18	190.94	7,243.93	-908.64	-149.35	-158.70	2.35	2.26	4.27
7,408.00	8.72	181.68	7,337.64	-924.08	-151.16	-160.67	2.21	-1.54	-9.75
7,502.00	7.77	173.78	7,430.67	-937.52	-150.68	-160.32	1.57	-1.01	-8.40
7,596.00	10.60	185.92	7,523.47	-952.44	-150.88	-160.68	3.63	3.01	12.91
7,691.00	9.31	182.67	7,617.04	-968.81	-152.14	-162.11	1.48	-1.36	-3.42
7,785.00	8.81	182.62	7,709.86	-983.59	-152.82	-162.94	0.53	-0.53	-0.05
7,880.00	7.86	183.99	7,803.86	-997.34	-153.61	-163.87	1.02	-1.00	1.44
7,974.00	7.06	180.44	7,897.06	-1,009.53	-154.10	-164.49	0.98	-0.85	-3.78
8,069.00	8.81	176.95	7,991.15	-1,022.63	-153.76	-164.28	1.91	1.84	-3.67
8,187.00	6.69	179.03	8,108.07	-1,038.53	-153.16	-163.85	1.81	-1.80	1.76
8,248.00	7.81	156.89	8,168.59	-1,045.90	-151.47	-162.24	4.89	1.83	-36.29
KOP: 8248.00' MD, -162.24' VS, 8168.59' TVD									
8,281.00	8.78	147.94	8,201.25	-1,050.09	-149.26	-160.06	4.89	2.95	-27.13
8,376.00	17.34	133.98	8,293.72	-1,066.10	-135.19	-146.16	9.54	9.01	-14.69
8,470.00	27.24	131.32	8,380.59	-1,090.09	-108.89	-120.11	10.58	10.53	-2.83
8,565.00	31.22	125.69	8,463.50	-1,118.83	-72.54	-84.06	5.09	4.19	-5.93
8,659.00	36.34	116.37	8,541.65	-1,145.45	-27.74	-39.54	7.74	5.45	-9.91
8,735.01	42.65	114.05	8,600.29	-1,165.97	15.99	3.99	8.52	8.30	-3.05
01-LF25-132H-FTP									
8,754.00	44.23	113.56	8,614.07	-1,171.24	27.94	15.88	8.52	8.33	-2.59
8,785.00	47.79	112.23	8,635.60	-1,179.90	48.48	36.33	11.89	11.48	-4.29
8,848.00	53.21	110.05	8,675.66	-1,197.39	93.82	81.48	9.01	8.60	-3.46
8,943.00	61.40	102.48	8,726.98	-1,219.51	170.48	157.91	10.91	8.62	-7.97
9,037.00	73.14	99.54	8,763.25	-1,235.94	255.44	242.70	12.82	12.49	-3.13



Survey Report

Company:	Colgate Energy	Local Co-ordinate Reference:	Well Lady Franklin 25 State 132H - Slot LF 132H
Project:	Eddy County, NM (N83-NME)	TVD Reference:	3358+30 @ 3388.00usft (HP510)
Site:	Lady Franklin 25	MD Reference:	3358+30 @ 3388.00usft (HP510)
Well:	Lady Franklin 25 State 132H	North Reference:	Grid
Wellbore:	132H	Survey Calculation Method:	Minimum Curvature
Design:	132H	Database:	EDM 5000.14 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)	
9,095.66	79.97	93.71	8,776.89	-1,242.47	312.05	299.24	15.13	11.64	-9.94	
80 deg: 9095.66' MD, 299.24' VS, 8776.89' TVD										
9,132.00	84.25	90.23	8,781.88	-1,243.71	348.01	335.19	15.13	11.79	-9.57	
86.6R: 9132.00' MD, 335.19' VS, 8781.88' TVD										
9,190.00	86.31	85.45	8,786.66	-1,241.52	405.76	392.95	8.95	3.55	-8.25	
EOC: 9190.00' MD, 392.95' VS, 8786.66' TVD										
9,202.23	86.75	84.44	8,787.40	-1,240.45	417.92	405.12	8.95	3.58	-8.22	
02-LF25-132H-LP										
9,226.00	87.60	82.49	8,788.57	-1,237.75	441.50	428.73	8.95	3.59	-8.21	
9,321.00	92.70	81.59	8,788.32	-1,224.59	535.55	522.92	5.45	5.37	-0.95	
9,415.00	94.50	81.61	8,782.42	-1,210.89	628.36	615.86	1.92	1.91	0.02	
9,468.47	93.28	82.12	8,778.79	-1,203.34	681.17	668.74	2.47	-2.27	0.96	
50R: 9468.47' MD, 668.74' VS, 8778.79' TVD										
9,510.00	92.34	82.52	8,776.75	-1,197.80	722.27	709.90	2.47	-2.27	0.96	
9,604.00	91.14	83.03	8,773.90	-1,185.98	815.48	803.23	1.39	-1.28	0.54	
9,693.00	89.94	85.72	8,773.06	-1,177.26	904.04	891.87	3.31	-1.35	3.02	
9,793.00	90.93	85.83	8,772.30	-1,169.90	1,003.77	991.67	1.00	0.99	0.11	
9,887.00	92.04	85.72	8,769.86	-1,162.97	1,097.48	1,085.44	1.19	1.18	-0.12	
9,981.00	91.30	88.06	8,767.12	-1,157.88	1,191.29	1,179.31	2.61	-0.79	2.49	
10,075.00	91.82	88.72	8,764.57	-1,155.24	1,285.22	1,273.25	0.89	0.55	0.70	
10,170.00	92.87	88.77	8,760.68	-1,153.16	1,380.12	1,368.17	1.11	1.11	0.05	
10,265.00	92.64	88.99	8,756.11	-1,151.30	1,474.99	1,463.05	0.33	-0.24	0.23	
10,359.00	92.67	88.64	8,751.76	-1,149.36	1,568.87	1,556.95	0.37	0.03	-0.37	
10,454.00	92.67	89.51	8,747.33	-1,147.83	1,663.75	1,651.84	0.91	0.00	0.92	
10,548.00	89.93	89.62	8,745.20	-1,147.11	1,757.71	1,745.81	2.92	-2.91	0.12	
10,642.00	88.54	88.76	8,746.46	-1,145.79	1,851.69	1,839.80	1.74	-1.48	-0.91	
10,737.00	91.69	88.78	8,746.26	-1,143.75	1,946.66	1,934.78	3.32	3.32	0.02	
10,831.00	92.29	88.48	8,743.00	-1,141.50	2,040.57	2,028.71	0.71	0.64	-0.32	
10,926.00	92.49	87.37	8,739.04	-1,138.06	2,135.43	2,123.60	1.19	0.21	-1.17	
11,020.00	89.54	88.53	8,737.37	-1,134.70	2,229.34	2,217.54	3.37	-3.14	1.23	
11,115.00	87.70	87.66	8,739.66	-1,131.55	2,324.26	2,312.48	2.14	-1.94	-0.92	
11,209.00	88.89	88.04	8,742.46	-1,128.02	2,418.15	2,406.40	1.33	1.27	0.40	
11,302.72	89.55	87.92	8,743.74	-1,124.72	2,511.80	2,500.08	0.71	0.70	-0.13	
03-LF25-132H-2500										
11,303.00	89.55	87.92	8,743.74	-1,124.71	2,512.08	2,500.36	0.71	0.70	-0.13	
11,398.00	89.16	87.12	8,744.81	-1,120.60	2,606.98	2,595.31	0.94	-0.41	-0.84	
11,492.00	89.97	86.86	8,745.52	-1,115.66	2,700.85	2,689.22	0.91	0.86	-0.28	
11,587.00	90.73	86.75	8,744.94	-1,110.37	2,795.70	2,784.12	0.81	0.80	-0.12	
11,681.00	88.16	88.44	8,745.85	-1,106.42	2,889.60	2,878.05	3.27	-2.73	1.80	
11,776.00	88.70	88.49	8,748.45	-1,103.88	2,984.53	2,973.01	0.57	0.57	0.05	
11,870.00	90.35	88.80	8,749.23	-1,101.66	3,078.50	3,066.99	1.79	1.76	0.33	
11,965.00	89.22	89.79	8,749.59	-1,100.49	3,173.49	3,161.99	1.58	-1.19	1.04	
12,059.00	89.01	90.12	8,751.04	-1,100.41	3,267.48	3,255.97	0.42	-0.22	0.35	
12,154.00	90.12	89.94	8,751.76	-1,100.46	3,362.47	3,350.96	1.18	1.17	-0.19	



Survey Report

Company:	Colgate Energy	Local Co-ordinate Reference:	Well Lady Franklin 25 State 132H - Slot LF 132H
Project:	Eddy County, NM (N83-NME)	TVD Reference:	3358+30 @ 3388.00usft (HP510)
Site:	Lady Franklin 25	MD Reference:	3358+30 @ 3388.00usft (HP510)
Well:	Lady Franklin 25 State 132H	North Reference:	Grid
Wellbore:	132H	Survey Calculation Method:	Minimum Curvature
Design:	132H	Database:	EDM 5000.14 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)
12,248.00	88.00	90.21	8,753.31	-1,100.59	3,456.45	3,444.94	2.27	-2.26	0.29
12,343.00	89.00	90.65	8,755.79	-1,101.30	3,551.42	3,539.89	1.15	1.05	0.46
12,438.00	89.37	90.42	8,757.14	-1,102.19	3,646.40	3,634.86	0.46	0.39	-0.24
12,532.00	87.43	89.98	8,759.77	-1,102.51	3,740.36	3,728.81	2.12	-2.06	-0.47
12,626.00	85.43	91.54	8,765.62	-1,103.76	3,834.16	3,822.59	2.70	-2.13	1.66
12,721.00	85.45	91.42	8,773.17	-1,106.20	3,928.83	3,917.23	0.13	0.02	-0.13
12,815.00	85.86	91.18	8,780.30	-1,108.33	4,022.54	4,010.91	0.51	0.44	-0.26
12,910.00	86.36	90.80	8,786.74	-1,109.97	4,117.30	4,105.65	0.66	0.53	-0.40
13,004.00	89.35	91.24	8,790.26	-1,111.64	4,211.21	4,199.54	3.22	3.18	0.47
13,098.00	91.25	90.42	8,789.77	-1,113.00	4,305.19	4,293.51	2.20	2.02	-0.87
13,192.00	90.11	91.29	8,788.65	-1,114.40	4,399.18	4,387.47	1.53	-1.21	0.93
13,287.00	90.75	91.37	8,787.94	-1,116.61	4,494.15	4,482.41	0.68	0.67	0.08
13,381.00	87.56	89.95	8,789.32	-1,117.69	4,588.12	4,576.36	3.71	-3.39	-1.51
13,476.00	87.57	90.03	8,793.36	-1,117.68	4,683.03	4,671.27	0.08	0.01	0.08
13,570.00	85.34	89.77	8,799.17	-1,117.51	4,776.84	4,765.08	2.39	-2.37	-0.28
13,656.00	86.18	89.32	8,805.53	-1,116.83	4,862.60	4,850.85	1.11	0.98	-0.53
LTP: 13656.00' MD, 4850.85' VS, 8805.53' TVD									
13,665.00	86.27	89.27	8,806.12	-1,116.72	4,871.58	4,859.83	1.11	0.98	-0.53
13,678.00	86.41	89.26	8,806.95	-1,116.55	4,884.56	4,872.80	1.08	1.08	-0.08
Final MWD Survey: 13678.00' MD, 86.41°INC, 89.26°AZ									
13,739.00	86.41	89.26	8,810.77	-1,115.77	4,945.43	4,933.68	0.00	0.00	0.00
PTB: 13739.00' MD, 4933.68' VS, 8810.77' TVD - 04-LF25-132H-PBHL									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,248.00	8,168.59	-1,045.90	-151.47	KOP: 8248.00' MD, -162.24' VS, 8168.59' TVD
9,095.66	8,776.89	-1,242.47	312.05	80 deg: 9095.66' MD, 299.24' VS, 8776.89' TVD
9,132.00	8,781.88	-1,243.71	348.01	86.6R: 9132.00' MD, 335.19' VS, 8781.88' TVD
9,190.00	8,786.66	-1,241.52	405.76	EOC: 9190.00' MD, 392.95' VS, 8786.66' TVD
9,468.47	8,778.79	-1,203.34	681.17	50R: 9468.47' MD, 668.74' VS, 8778.79' TVD
13,656.00	8,805.53	-1,116.83	4,862.60	LTP: 13656.00' MD, 4850.85' VS, 8805.53' TVD
13,678.00	8,806.95	-1,116.55	4,884.56	Final MWD Survey: 13678.00' MD, 86.41°INC, 89.26°AZ
13,739.00	8,810.77	-1,115.77	4,945.43	PTB: 13739.00' MD, 4933.68' VS, 8810.77' TVD

Checked By: _____ Approved By: _____ Date: _____

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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

WELL API NO. 30-015-46300
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. E0-5073-0007
7. Lease Name or Unit Agreement Name Lady Franklin 25 State
8. Well Number 132H
9. OGRID Number 371449
10. Pool name or Wildcat Winchester; Bone Spring
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3358 GL

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.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator Colgate Operating, LLC	
3. Address of Operator 300 North Marienfeld, Suite 1,000 – Midland, Tx 79701	
4. Well Location Unit Letter: <u>D</u> <u>1135</u> feet from the <u>North</u> line and <u>265</u> feet from the <u>West</u> line Section: <u>25</u> Township: <u>19S</u> Range: <u>28E</u> NMPM County: <u>Eddy</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3358 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: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: New Well Completion ☒

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.

3/16/2021- Pressured up casing to 7,000 psi with a 30 minute test
3/15/2021- Perf and frac stages 1-26.
Perfs 9,001 - 13,523
Frac with 186,341 bbl liquid and 10,193,810 lbs of proppant
4/04/2021- Drilled out plugs
Turn over to production. Tubing 2.875 @ 8,675
TD 13,739 - PBDT 13,523 13,635

Spud Date: 02/08/2021

Rig Release Date: 02/20/2021

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Mikah Thomas

TITLE: Operations Tech

DATE: 12/06/2021

Type or print name Mikah Thomas

E-mail address: mtthomas@colgateenergy.com

PHONE: 432-695-4272

For State Use Only

APPROVED BY: _____ TITLE: _____ DATE: _____

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised April 3, 2017												
WELL COMPLETION OR RECOMPLETION REPORT AND LOG																		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)						5. Lease Name or Unit Agreement Name Lady Franklin 25 State 6. Well Number: 132H												
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER																		
8. Name of Operator Colgate Operating, LLC						9. OGRID 371449												
10. Address of Operator 300 North Marcienfeld, Suite 1,000 Midland, Texas 79705						11. Pool name or Wildcat Winchester; Bone Spring												
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County								
Surface:	D	25	19S	28E		1,135	North	265	West	Eddy								
BH:	H	25	19S	28E		2,302	North	18	East	Eddy								
13. Date Spudded 02/08/2021	14. Date T.D. Reached 02/18/2021		15. Date Rig Released 02/20/2021		16. Date Completed (Ready to Produce) 04/06/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3,358										
18. Total Measured Depth of Well 13,739			19. Plug Back Measured Depth 13,719 13,635		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run Gamma Ray										
22. Producing Interval(s), of this completion - Top, Bottom, Name 9,001-13,523 Bone Spring																		
23. CASING RECORD (Report all strings set in well)																		
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED								
13.375		54.5		341		17.5		Class C: 402 sx 1.36, 144 sx 1.36, 169 sx 1.36										
9.625		36		3,061		12.25		Class C: 400 sx 2.97, 212 sx 1.33										
5.5		17		12,518 13,719		8.75		Class H: 702 sx 2.71, 899 sx 1.94										
24. LINER RECORD																		
SIZE	TOP	BOTTOM	SACKS CEMENT		SCREEN		25. TUBING RECORD											
							SIZE	DEPTH SET	PACKER SET									
26. Perforation record (interval, size, and number) 9,001-13,523 3.0 858 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>9,001-13,523</td> <td>Total Proppant 10,193,810 – Total Fluid 194,615</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	9,001-13,523	Total Proppant 10,193,810 – Total Fluid 194,615				
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																	
9,001-13,523	Total Proppant 10,193,810 – Total Fluid 194,615																	
28. PRODUCTION																		
Date First Production 04/20/2021		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Gas Lift				Well Status (<i>Prod. or Shut-in</i>) Producing												
Date of Test 04/23/2021	Hours Tested 24	Choke Size 88/88	Prod'n For Test Period	Oil – Bbl 1,294	Gas – MCF 2,413	Water - Bbl. 2,459	Gas - Oil Ratio 1,865											
Flow Tubing Press. 316	Casing Pressure 1,070	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>) 43.3												
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) Sold							30. Test Witnessed By Colgate Operating, LLC											
31. List Attachments C-102, C-103, C-104, Directionnel Survey																		
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:											
34. If an on-site burial was used at the well, report the exact location of the on-site burial:																		
Latitude				Longitude				NAD83										

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Printed

Name: Mikah Thomas

Title: Operations Tech

Date: 11/07/2021

E-mail Address: mthomas@colgateenergy.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Rustler- 122	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt- 377	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt- 688	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates- 1,056	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. DLWR Mnt. Group- 3,128	T. Devonian	T. Cliff House	T. Leadville
T. L Brushy Canyon- 3,465	T. Silurian	T. Menefee	T. Madison
T. BS Lime- 4,108	T. Montoya	T. Point Lookout	T. Elbert
T. 1 st Bone Spring SD- 6,628	T. Simpson	T. Mancos	T. McCracken
T. 2 nd Bone Spring LM- 7,041	T. McKee	T. Gallup	T. Ignacio Otzte
T. 2 nd Bone Spring SD- 7,508	T. Ellenburger	Base Greenhorn	T. Granite
T. 3 rd Bone Spring LM- 7,708	T. Gr. Wash	T. Dakota	
T. 3 rd Bone Spring SD- 8,518	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 3, from.....to.....

No. 2, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
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District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 61275

ACKNOWLEDGMENTS

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 61275
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

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

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 61275

CONDITIONS

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 61275
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	12/10/2021