

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 – 46357	⁵ Pool Name WINCHESTER; BONE SPRING		⁶ Pool Code 65010
⁷ Property Code 326127	⁸ Property Name LADY FRANKLIN 25 STATE		⁹ Well Number 133H

II. ¹⁰ Surface Location

UL or lot no. L	Section 25	Township 19S	Range 28E	Lot Idn	Feet from the 1,336	North/South Line South	Feet from the 265	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. I	Section 25	Township 19S	Range 28E	Lot Idn	Feet from the 1,661	North/South line South	Feet from the 36	East/West line East	County Eddy
¹² Lse Code S	¹³ Producing Method Code P		¹⁴ Gas Connection Date 04/12/2021		¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

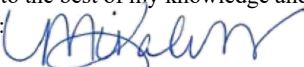
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
329097	LM TOUCHDOWN, LLC	O
329097	LM TOUCHDOWN, LLC	G

IV. Well Completion Data

13591

²¹ Spud Date 01/21/2021	²² Ready Date 04/20/2021	²³ TD 13,607' MD 8832 8,828' TVD	²⁴ PBDT 13,595' MD 8,824' TVD	²⁵ Perforations 9,042' - 13,392' MD 8,769' - 8,832' TVD	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17.5		13.375		337	414
12.25		9.625		3,026	694
8.75		5.5		13,592	1,594
		2.875		8637	

V. Well Test Data

³¹ Date New Oil 04/24/2021	³² Gas Delivery Date 04/24/2021	³³ Test Date 04/25/2021	³⁴ Test Length 24 hours	³⁵ Tbg. Pressure 412	³⁶ Csg. Pressure 1,216
³⁷ Choke Size 88/88	³⁸ Oil 1,351	³⁹ Water 2,596	⁴⁰ Gas 2,462		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: 12/6/2021		
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 30-015-46357	2 Pool Code 65010	3 Pool Name WINCHESTER; BONE SPRING
4 Property Code 326127	5 Property Name LADY FRANKLIN 25 STATE	6 Well Number 133H
7 OGRID No. 371449	8 Operator Name COLGATE OPERATING, LLC	9 Elevation 3335.0'

¹⁰ Surface Location

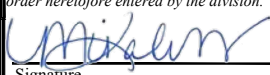
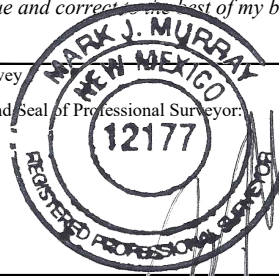
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	25	19-S	28-E		1336'	SOUTH	265'	WEST	EDDY

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
I	25	19-S	28-E		1661'	SOUTH	36'	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' SURFACE HOLE LOCATION (SHL) NEW MEXICO EAST - NAD 83 X=601458.79 LAT.= 32.62827395° N Y=592352.15 LONG.= 104.13804299° W NEW MEXICO EAST - NAD 27 X=560278.84 LAT.= 32.62815654° N Y=592290.25 LONG.= -104.13753574° W 1336' FSL, 265' FWL - SECTION 25 15' FNL, 265' FWL - LEASE LINE FIRST TAKE POINT (FTP) NEW MEXICO EAST - NAD 83 X=601492.64 LAT.= 32.62908213° N Y=592646.23 LONG.= 104.13793128° W NEW MEXICO EAST - NAD 27 X=560312.69 LAT.= 32.62896472° N Y=592584.33 LONG.= -104.13742401° W 1630' FSL, 300' FWL - SECTION 25 309' FSL, 300' FWL - LEASE LINE MD = 8,660.07' LAST TAKE POINT (LTP) NEW MEXICO EAST - NAD 83 X=606318.89 LAT.= 32.62923030° N Y=592709.37 LONG.= 104.12225383° W NEW MEXICO EAST - NAD 27 X=565138.94 LAT.= 32.62911273° N Y=592647.43 LONG.= -104.12174693° W 1658' FSL, 100' FEL - SECTION 25 330' FSL, 100' FEL - LEASE LINE MD = 13,542.85' BOTTOM HOLE LOCATION (BHL) NEW MEXICO EAST - NAD 83 X=606382.87 LAT.= 32.62923784° N Y=592712.24 LONG.= 104.12204600° W NEW MEXICO EAST - NAD 27 X=565202.92 LAT.= 32.62912027° N Y=592650.30 LONG.= -104.12153911° W 1661' FSL, 36' FEL - SECTION 25 332' FSL, 36' FEL - LEASE LINE MD = 13,607.00'	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.  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 and correct to the best of my belief. Date of Survey  Signature and Seal of Professional Surveyor Certificate Number
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Directional Survey Report

Company: **Colgate Operating LLC**
 Well: **Lady Franklin 25 State 133H**
 County: **Eddy**
 State: **NM**
 Field: **Winchester; Bone Spring**
 API: **30-015-46357**
 Rig: **H&P 510**
 Service Co: **Gordon Technologies LLC**
 Job #: **GT2100023**
 Survey Calc: **Minimum Curvature**

Well Surface Location
 Latitude: **32.62827395**
 Longitude: **-104.13804299**
 Reference: **NAD 1983**
 Y (Northing): **592352.15**
 X (Easting): **601458.79**
 Field Engr: **Dean Sanchez**
John Daigle

Report Date: **Feb 06 2021**
 Time: **07:02**
 Mag Reference: **Grid North**
 Mag Correction: **7.08**
 Vert Sect. Azi: **89.595**
 Perm Datum: **Mean Sea Level**
 Depth Ref: **Rotary Table**
 RKB Height: **30**
 GL Elev: **3335**

						Rectangular Offsets		Course		Closure				
Survey	MD	Inc	Azimuth	TVD	VS	NS	EW	Length	DLS	Temp	Distance	Azimuth	Source	
Tie In	0	0	0	0	0	0	0	0	0	0	0	0		
1	195.00	0.47	6.44	195.00	0.10	0.80	0.09	195.00	0.24	59.00	0.81	6.44	MWD Run 1	
2	272.00	1.79	3.36	271.98	0.21	2.32	0.20	77.00	1.71	62.60	2.33	4.85	MWD Run 1	
3	432.00	2.06	338.84	431.89	-0.64	7.50	-0.70	160.00	0.54	64.40	7.53	354.69	MWD Run 2	
4	526.00	2.04	327.83	525.83	-2.12	10.49	-2.20	94.00	0.42	68.00	10.72	348.16	MWD Run 2	
5	621.00	1.86	334.66	620.78	-3.67	13.32	-3.76	95.00	0.31	73.40	13.84	344.23	MWD Run 2	
6	731.00	1.53	350.13	730.73	-4.66	16.38	-4.78	110.00	0.51	86.00	17.06	343.74	MWD Run 2	
7	825.00	1.78	348.54	824.69	-5.15	19.04	-5.28	94.00	0.27	91.40	19.76	344.50	MWD Run 2	
8	920.00	2.04	344.10	919.64	-5.88	22.11	-6.04	95.00	0.32	96.80	22.92	344.73	MWD Run 2	
9	1015.00	2.36	335.64	1014.57	-7.13	25.52	-7.31	95.00	0.48	100.40	26.55	344.02	MWD Run 2	
10	1109.00	2.49	326.95	1108.48	-9.02	29.00	-9.22	94.00	0.42	104.00	30.43	342.36	MWD Run 2	
11	1203.00	2.72	322.78	1202.39	-11.46	32.49	-11.69	94.00	0.31	107.60	34.53	340.22	MWD Run 2	
12	1298.00	2.98	313.04	1297.27	-14.60	35.97	-14.85	95.00	0.58	109.40	38.92	337.56	MWD Run 2	
13	1392.00	3.16	306.16	1391.14	-18.46	39.17	-18.73	94.00	0.44	113.00	43.42	334.44	MWD Run 2	
14	1487.00	3.16	303.84	1485.99	-22.72	42.17	-23.02	95.00	0.13	114.80	48.05	331.37	MWD Run 2	
15	1581.00	3.42	298.70	1579.84	-27.32	44.96	-27.64	94.00	0.42	116.60	52.78	328.42	MWD Run 2	
16	1675.00	3.61	297.76	1673.66	-32.38	47.69	-32.72	94.00	0.21	104.00	57.84	325.55	MWD Run 2	
17	1770.00	3.88	299.98	1768.46	-37.80	50.69	-38.16	95.00	0.32	109.40	63.45	323.03	MWD Run 2	
18	1864.00	4.23	299.44	1862.22	-43.55	53.99	-43.93	94.00	0.37	111.20	69.60	320.86	MWD Run 2	
19	1959.00	4.32	304.56	1956.96	-49.52	57.74	-49.93	95.00	0.41	114.80	76.33	319.15	MWD Run 2	
20	2053.00	4.15	326.06	2050.71	-54.30	62.57	-54.74	94.00	1.69	116.60	83.14	318.82	MWD Run 2	
21	2148.00	4.47	324.55	2145.44	-58.32	68.43	-58.81	95.00	0.36	118.40	90.23	319.33	MWD Run 2	
22	2243.00	4.69	324.10	2240.13	-62.71	74.60	-63.24	95.00	0.23	120.20	97.79	319.71	MWD Run 2	
23	2337.00	5.23	324.57	2333.78	-67.39	81.20	-67.97	94.00	0.57	118.40	105.89	320.07	MWD Run 2	
24	2432.00	4.75	330.16	2428.42	-71.81	88.13	-72.44	95.00	0.72	114.80	114.08	320.58	MWD Run 2	
25	2526.00	4.07	339.39	2522.14	-74.87	94.63	-75.54	94.00	1.04	116.60	121.08	321.40	MWD Run 2	
26	2621.00	4.46	338.04	2616.88	-77.39	101.20	-78.11	95.00	0.43	118.40	127.84	322.34	MWD Run 2	
27	2715.00	3.61	336.78	2710.65	-79.88	107.31	-80.64	94.00	0.91	114.80	134.23	323.08	MWD Run 2	
28	2809.00	2.93	333.30	2804.49	-82.10	112.18	-82.89	94.00	0.75	118.40	139.48	323.54	MWD Run 2	
29	2904.00	3.27	331.42	2899.36	-84.45	116.73	-85.28	95.00	0.37	120.20	144.57	323.85	MWD Run 2	
30	2944.00	3.42	330.52	2939.29	-85.57	118.77	-86.41	40.00	0.38	118.40	146.88	323.96	MWD Run 2	
31	3067.00	3.57	329.36	3062.06	-89.28	125.25	-90.17	123.00	0.14	89.60	154.33	324.25	MWD Run 3	
32	3162.00	3.51	325.57	3156.88	-92.39	130.19	-93.32	95.00	0.25	91.40	160.18	324.37	MWD Run 3	
33	3256.00	3.50	321.72	3250.70	-95.77	134.82	-96.72	94.00	0.25	95.00	165.92	324.34	MWD Run 3	
34	3351.00	3.31	327.32	3345.53	-99.01	139.41	-100.00	95.00	0.40	96.80	171.57	324.35	MWD Run 3	
35	3445.00	3.90	0.48	3439.36	-100.41	144.89	-101.44	94.00	2.27	100.40	176.87	325.00	MWD Run 3	
36	3539.00	3.85	355.54	3533.14	-100.59	151.23	-101.66	94.00	0.36	102.20	182.23	326.09	MWD Run 3	
37	3634.00	3.97	350.82	3627.92	-101.32	157.66	-102.43	95.00	0.36	105.80	188.01	326.99	MWD Run 3	
38	3728.00	4.05	348.95	3721.69	-102.43	164.13	-103.59	94.00	0.17	107.60	194.08	327.74	MWD Run 3	
39	3823.00	4.08	345.77	3816.45	-103.85	170.70	-105.06	95.00	0.24	107.60	200.44	328.39	MWD Run 3	
40	3917.00	4.04	342.20	3910.22	-105.64	177.09	-106.90	94.00	0.27	107.60	206.86	328.88	MWD Run 3	
41	4012.00	4.32	337.15	4004.96	-108.01	183.58	-109.31	95.00	0.49	109.40	213.66	329.23	MWD Run 3	
42	4106.00	4.40	332.89	4098.69	-110.98	190.05	-112.33	94.00	0.35	109.40	220.76	329.42	MWD Run 3	
43	4200.00	4.37	330.98	4192.42	-114.31	196.39	-115.71	94.00	0.16	111.20	227.94	329.49	MWD Run 3	
44	4295.00	4.12	331.16	4287.16	-117.67	202.54	-119.11	95.00	0.26	113.00	234.97	329.54	MWD Run 3	
45	4389.00	4.14	332.18	4380.91	-120.84	208.50	-122.32	94.00	0.08	114.80	241.74	329.60	MWD Run 3	
46	4484.00	4.05	336.01	4475.67	-123.77	214.61	-125.29	95.00	0.30	116.60	248.50	329.72	MWD Run 3	
47	4578.00	3.85	338.50	4569.45	-126.23	220.58	-127.79	94.00	0.28	118.40	254.92	329.91	MWD Run 3	
48	4673.00	3.82	341.72	4664.23	-128.35	226.55	-129.95	95.00	0.23	118.40	261.17	330.16	MWD Run 3	
49	4768.00	3.83	341.23	4759.02	-130.32	232.55	-131.97	95.00	0.04	118.40	267.39	330.43	MWD Run 3	

50	4863.00	3.98	336.23	4853.80	-132.63	238.58	-134.32	95.00	0.39	120.20	273.79	330.62	MWD Run 3
51	4957.00	3.74	334.70	4947.59	-135.21	244.33	-136.94	94.00	0.28	120.20	280.09	330.73	MWD Run 3
52	5052.00	3.04	336.82	5042.42	-137.49	249.45	-139.26	95.00	0.75	123.80	285.68	330.83	MWD Run 3
53	5146.00	3.30	336.42	5136.28	-139.52	254.22	-141.32	94.00	0.28	123.80	290.86	330.93	MWD Run 3
54	5241.00	3.63	339.21	5231.11	-141.64	259.54	-143.48	95.00	0.39	125.60	296.56	331.06	MWD Run 3
55	5335.00	3.06	345.24	5324.94	-143.30	264.75	-145.18	94.00	0.71	125.60	301.95	331.26	MWD Run 3
56	5430.00	2.21	350.75	5419.84	-144.21	269.01	-146.12	95.00	0.94	127.40	306.13	331.49	MWD Run 3
57	5525.00	2.95	346.94	5514.75	-145.03	273.20	-146.97	95.00	0.80	129.20	310.22	331.72	MWD Run 3
58	5619.00	3.48	347.80	5608.60	-146.14	278.34	-148.12	94.00	0.56	129.20	315.30	331.98	MWD Run 3
59	5714.00	2.38	351.94	5703.47	-147.00	283.11	-149.00	95.00	1.17	129.20	319.93	332.24	MWD Run 3
60	5808.00	0.33	47.33	5797.44	-147.05	285.23	-149.07	94.00	2.35	127.40	321.84	332.41	MWD Run 3
61	5903.00	0.38	355.63	5892.44	-146.87	285.73	-148.90	95.00	0.33	129.20	322.20	332.48	MWD Run 3
62	5997.00	0.38	347.74	5986.44	-146.96	286.34	-148.98	94.00	0.05	129.20	322.78	332.51	MWD Run 3
63	6091.00	0.63	333.82	6080.44	-147.24	287.10	-149.28	94.00	0.29	131.00	323.59	332.53	MWD Run 3
64	6186.00	0.79	329.39	6175.43	-147.80	288.12	-149.84	95.00	0.18	129.20	324.76	332.52	MWD Run 3
65	6280.00	0.76	311.71	6269.42	-148.59	289.10	-150.63	94.00	0.26	129.20	325.99	332.48	MWD Run 3
66	6374.00	0.70	331.33	6363.41	-149.32	290.02	-151.38	94.00	0.27	127.40	327.15	332.44	MWD Run 3
67	6468.00	0.48	317.65	6457.41	-149.86	290.81	-151.92	94.00	0.28	114.80	328.10	332.42	MWD Run 4
68	6563.00	0.41	328.12	6552.41	-150.31	291.40	-152.37	95.00	0.11	116.60	328.83	332.40	MWD Run 4
69	6657.00	0.59	328.47	6646.40	-150.73	292.10	-152.80	94.00	0.19	118.40	329.65	332.39	MWD Run 4
70	6752.00	0.42	326.34	6741.40	-151.18	292.81	-153.25	95.00	0.17	120.20	330.49	332.37	MWD Run 4
71	6846.00	0.68	265.91	6835.39	-151.92	293.06	-154.00	94.00	0.64	122.00	331.06	332.28	MWD Run 4
72	6941.00	0.90	217.02	6930.39	-152.94	292.42	-155.01	95.00	0.72	127.40	330.97	332.07	MWD Run 4
73	7035.00	1.22	194.01	7024.37	-153.63	290.87	-155.69	94.00	0.56	129.20	329.91	331.84	MWD Run 4
74	7129.00	1.84	198.22	7118.34	-154.36	288.46	-156.41	94.00	0.67	132.80	328.14	331.53	MWD Run 4
75	7224.00	1.84	192.67	7213.29	-155.19	285.53	-157.22	95.00	0.19	132.80	325.95	331.16	MWD Run 4
76	7318.00	1.33	183.44	7307.25	-155.61	282.97	-157.61	94.00	0.60	136.40	323.91	330.88	MWD Run 4
77	7413.00	0.94	208.32	7402.23	-156.06	281.19	-158.05	95.00	0.65	136.40	322.56	330.66	MWD Run 4
78	7507.00	0.58	5.96	7496.23	-156.37	280.98	-158.36	94.00	1.59	138.20	322.54	330.59	MWD Run 4
79	7602.00	0.85	73.62	7591.22	-155.64	281.66	-157.64	95.00	0.87	140.00	322.77	330.77	MWD Run 4
80	7696.00	1.17	72.46	7685.21	-154.05	282.15	-156.05	94.00	0.34	140.00	322.43	331.05	MWD Run 4
81	7791.00	1.28	64.53	7780.19	-152.16	282.90	-154.17	95.00	0.21	141.80	322.18	331.41	MWD Run 4
82	7886.00	1.41	71.68	7875.16	-150.09	283.72	-152.10	95.00	0.23	141.80	321.92	331.80	MWD Run 4
83	7980.00	1.11	87.25	7969.14	-148.07	284.13	-150.09	94.00	0.48	143.60	321.33	332.16	MWD Run 4
84	8075.00	0.80	121.33	8064.13	-146.59	283.83	-148.60	95.00	0.67	143.60	320.37	332.37	MWD Run 4
85	8193.00	0.17	1.81	8182.12	-145.88	283.57	-147.89	118.00	0.76	125.60	319.82	332.46	MWD Run 5
86	8287.00	9.74	92.22	8275.67	-137.92	283.40	-139.93	94.00	10.36	127.40	316.06	333.72	MWD Run 5
87	8382.00	20.51	91.34	8367.25	-113.19	282.69	-115.19	95.00	11.34	129.20	305.26	337.83	MWD Run 5
88	8476.00	30.91	79.93	8451.88	-72.80	286.54	-74.82	94.00	12.21	132.80	296.15	345.37	MWD Run 5
89	8571.00	36.24	85.76	8531.02	-20.67	292.89	-22.74	95.00	6.55	134.60	293.77	355.56	MWD Run 5
90	8665.00	42.79	91.41	8603.52	39.05	294.16	36.97	94.00	7.94	136.40	296.48	7.16	MWD Run 5
91	8697.00	44.67	90.26	8626.64	61.16	293.85	59.08	32.00	6.37	134.60	299.73	11.37	MWD Run 5
92	8728.00	47.74	89.52	8648.10	83.53	293.89	81.46	31.00	10.04	134.60	304.97	15.49	MWD Run 5
93	8760.00	50.96	88.70	8668.94	107.81	294.28	105.73	32.00	10.27	132.80	312.69	19.76	MWD Run 5
94	8854.00	62.82	88.07	8720.19	186.39	296.52	184.30	94.00	12.63	132.80	349.13	31.86	MWD Run 5
95	8949.00	74.67	88.24	8754.57	274.74	299.36	272.63	95.00	12.47	134.60	404.90	42.32	MWD Run 5
96	9043.00	87.37	88.28	8769.21	367.37	302.17	365.24	94.00	13.52	136.40	474.04	50.40	MWD Run 5
97	9138.00	91.46	87.75	8770.18	462.31	305.46	460.16	95.00	4.34	140.00	552.32	56.42	MWD Run 5
98	9232.00	91.55	87.97	8767.72	556.23	308.97	554.06	94.00	0.25	143.60	634.39	60.85	MWD Run 5
99	9327.00	91.63	88.04	8765.08	651.16	312.28	648.97	95.00	0.11	145.40	720.20	64.30	MWD Run 5
100	9421.00	92.13	88.28	8762.00	745.08	315.30	742.87	94.00	0.59	145.40	807.01	67.00	MWD Run 5
101	9515.00	93.83	87.59	8757.12	838.91	318.68	836.68	94.00	1.96	147.20	895.31	69.15	MWD Run 5
102	9610.00	93.95	87.36	8750.67	933.63	322.84	931.37	95.00	0.27	149.00	985.74	70.88	MWD Run 5
103	9704.00	94.18	87.30	8744.01	1027.32	327.21	1025.03	94.00	0.25	149.00	1075.99	72.30	MWD Run 5
104	9798.00	90.40	88.39	8740.26	1121.18	330.74	1118.87	94.00	4.17	150.80	1166.73	73.53	MWD Run 5
105	9893.00	90.93	88.70	8739.15	1216.16	333.15	1213.83	95.00	0.64	150.80	1258.72	74.65	MWD Run 5
106	9988.00	91.64	90.82	8737.02	1311.13	333.55	1308.80	95.00	2.36	150.80	1350.63	75.70	MWD Run 5
107	10083.00	92.40	90.99	8733.67	1406.04	332.04	1403.73	95.00	0.81	152.60	1442.47	76.69	MWD Run 5
108	10177.00	91.25	90.44	8730.68	1499.97	330.87	1497.67	94.00	1.35	141.80	1533.79	77.54	MWD Run 6
109	10272.00	90.00	89.70	8729.65	1594.96	330.75	1592.67	95.00	1.53	143.60	1626.65	78.27	MWD Run 6
110	10366.00	89.96	89.53	8729.68	1688.96	331.39	1686.66	94.00	0.18	145.40	1718.91	78.88	MWD Run 6
111	10461.00	89.03	88.59	8730.52	1783.95	332.95	1781.64	95.00	1.39	145.40	1812.49	79.41	MWD Run 6
112	10555.00	89.34	88.52	8731.85	1877.93	335.31	1875.60	94.00	0.34	147.20	1905.34	79.86	MWD Run 6
113	10649.00	90.04	87.86	8732.36	1971.90	338.28	1969.56	94.00	1.03	149.00	1998.39	80.25	MWD Run 6
114	10744.00	89.05	86.71	8733.11	2066.81	342.78	2064.44	95.00	1.59	150.80	2092.71	80.57	MWD Run 6
115	10839.00	87.47	87.80	8736.00	2161.69	347.32	2159.29	95.00	2.02	150.80	2187.04	80.86	MWD Run 6
116	10933.00	88.34	88.82	8739.44	2255.60	350.08	2253.18	94.00	1.42	152.60	2280.22	81.17	MWD Run 6
117	11028.00	89.84	89.23	8740.95	2350.58	351.70	2348.15	95.00	1.64	152.60	2374.34	81.48	MWD Run 6

118	11122.00	88.16	90.00	8742.59	2444.56	352.33	2442.13	94.00	1.96	154.40	2467.42	81.79	MWD Run 6
119	11217.00	88.27	89.95	8745.55	2539.51	352.37	2537.09	95.00	0.12	156.20	2561.44	82.09	MWD Run 6
120	11311.00	88.44	88.60	8748.25	2633.47	353.56	2631.04	94.00	1.44	158.00	2654.69	82.35	MWD Run 6
121	11405.00	88.74	90.17	8750.57	2727.44	354.57	2725.00	94.00	1.69	156.20	2747.97	82.59	MWD Run 6
122	11499.00	91.77	91.06	8750.15	2821.41	353.57	2818.98	94.00	3.36	156.20	2841.07	82.85	MWD Run 6
123	11594.00	92.77	91.12	8746.38	2916.30	351.77	2913.89	95.00	1.05	159.80	2935.04	83.12	MWD Run 6
124	11688.00	91.54	90.96	8742.84	3010.20	350.06	3007.80	94.00	1.32	158.00	3028.11	83.36	MWD Run 6
125	11783.00	89.02	90.88	8742.38	3105.17	348.54	3102.78	95.00	2.66	159.80	3122.30	83.59	MWD Run 6
126	11877.00	87.47	90.98	8745.26	3199.10	347.02	3196.72	94.00	1.65	159.80	3215.50	83.80	MWD Run 6
127	11972.00	87.58	90.79	8749.36	3293.98	345.56	3291.62	95.00	0.23	163.40	3309.71	84.01	MWD Run 6
128	12066.00	87.48	90.14	8753.41	3387.89	344.80	3385.53	94.00	0.69	163.40	3403.05	84.18	MWD Run 6
129	12160.00	87.69	89.36	8757.37	3481.80	345.21	3479.45	94.00	0.86	163.40	3496.53	84.33	MWD Run 6
130	12255.00	87.98	88.60	8760.96	3576.73	346.91	3574.36	95.00	0.86	163.40	3591.16	84.46	MWD Run 6
131	12350.00	86.40	89.98	8765.62	3671.61	348.09	3669.24	95.00	2.21	163.40	3685.71	84.58	MWD Run 6
132	12445.00	86.83	89.71	8771.23	3766.44	348.35	3764.07	95.00	0.53	165.20	3780.16	84.71	MWD Run 6
133	12539.00	86.76	89.22	8776.49	3860.29	349.22	3857.92	94.00	0.52	167.00	3873.69	84.83	MWD Run 6
134	12634.00	86.32	90.22	8782.22	3955.12	349.68	3952.74	95.00	1.15	165.20	3968.18	84.94	MWD Run 6
135	12728.00	88.02	91.15	8786.86	4048.98	348.56	4046.62	94.00	2.06	163.40	4061.60	85.08	MWD Run 6
136	12823.00	88.00	90.81	8790.16	4143.90	346.94	4141.55	95.00	0.35	167.00	4156.05	85.21	MWD Run 6
137	12917.00	88.39	90.68	8793.12	4237.83	345.71	4235.49	94.00	0.43	167.00	4249.58	85.33	MWD Run 6
138	13011.00	88.71	90.54	8795.51	4331.78	344.71	4329.46	94.00	0.37	168.80	4343.16	85.45	MWD Run 6
139	13106.00	85.90	89.13	8799.98	4426.67	344.98	4424.34	95.00	3.30	170.60	4437.77	85.54	MWD Run 6
140	13200.00	86.13	88.81	8806.52	4520.43	346.67	4518.10	94.00	0.43	172.40	4531.38	85.61	MWD Run 6
141	13294.00	86.34	88.53	8812.69	4614.22	348.85	4611.87	94.00	0.38	172.40	4625.04	85.67	MWD Run 6
142	13389.00	86.51	88.18	8818.61	4709.01	351.57	4706.64	95.00	0.40	174.20	4719.76	85.73	MWD Run 6
143	13483.00	86.41	87.89	8824.42	4802.80	354.79	4800.41	94.00	0.33	176.00	4813.50	85.77	MWD Run 6
144	13548.00	86.56	87.41	8828.41	4867.64	357.45	4865.23	65.00	0.77	174.20	4878.34	85.80	MWD Run 6
145	13608.00	86.56	87.41	8832.01	4927.48	360.16	4925.06	60.00	0.00	0.00	4938.21	85.82	MWD Run 6

Office
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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

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

Form C-103
Revised July 18, 2013

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.)		WELL API NO. 30-015-46357
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Colgate Operating, LLC		6. State Oil & Gas Lease No. E0-5073-0007
3. Address of Operator 300 North Marienfeld, Suite 1,000 – Midland, Tx 79701		7. Lease Name or Unit Agreement Name Lady Franklin 25 State
4. Well Location Unit Letter: <u>L</u> <u>1336</u> feet from the <u>South</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>		8. Well Number 133H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3335 GL		9. OGRID Number 371449
		10. Pool name or Wildcat Winchester; Bone Spring

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 ☒

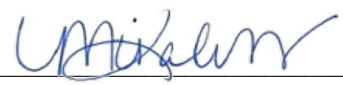
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

3/16/2021- Pressured up casing to 7,025 psi with a 30 minute test
 3/22/2021- Perf and frac stages 1-25.
 Perfs 9,042 - 13,392
 Frac with 176,522 bbl liquid and 9,843,929 lbs of proppant
 4/11/2021- Drilled out plugs
 Turn over to production. Tubing 2.875 @ 8,637
 TD 13,607 - PBTD 13,591

Spud Date: 01/21/2021

Rig Release Date: 01/30/2021

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

SIGNATURE: 

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: 133H				
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:	L	25	19S	28E		1,336	South	265	West	Eddy
BH:	I	25	19S	28E		1,661	South	36	East	Eddy
13. Date Spudded 01/21/2021	14. Date T.D. Reached 01/29/2021	15. Date Rig Released 01/30/2021			16. Date Completed (Ready to Produce) 04/12/2021 4/20/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3,335		
18. Total Measured Depth of Well 13,607			19. Plug Back Measured Depth 13,591			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 9,042-13,392 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		337		17.5		Class C: 414 sx 1.36			
9.625	36		3,026		12.25		Class C: 486 sx 2.97, 208 sx 1.33			
5.5	17		13,592		8.75		Class H: 698 sx 2.71, 896 sx 1.94			
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD				
						SIZE		DEPTH SET		PACKER SET
						2.375"		8637		
26. Perforation record (interval, size, and number) 9,042-13,392 3.0 825 holes										
						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						9,042-13,392		Total Proppant 9,843,929 – Total Fluid 185,090		
28. PRODUCTION										
Date First Production 04/24/2021		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 04/25/2021	Hours Tested 24	Choke Size 88/88	Prod'n For Test Period	Oil – Bbl 1,351	Gas – MCF 2,462	Water - Bbl. 2,596	Gas - Oil Ratio 1,822			
Flow Tubing Press. 412	Casing Pressure 1,216	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- 99	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt- 354	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt- 601	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates- 1,033	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. DLWR Mnt. Group- 3,105	T. Devonian	T. Cliff House	T. Leadville
T. L Brushy Canyon- 3,442	T. Silurian	T. Menefee	T. Madison
T. BS Lime- 4,225	T. Montoya	T. Point Lookout	T. Elbert
T. 1 st Bone Spring SD- 6,665	T. Simpson	T. Mancos	T. McCracken
T. 2 nd Bone Spring LM- 7,018	T. McKee	T. Gallup	T. Ignacio Otzte
T. 2 nd Bone Spring SD- 7,490	T. Ellenburger	Base Greenhorn	T. Granite
T. 3 rd Bone Spring LM- 7,685	T. Gr. Wash	T. Dakota	
T. 3 rd Bone Spring SD- 8,515	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

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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 61276

ACKNOWLEDGMENTS

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 61276
	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.

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

CONDITIONS

Action 61276

CONDITIONS

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 61276
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	12/6/2021