BEFORE THE OIL CONSERVATION DIVISION EXAMINER HEARING NOVEMBER 5, 2021

CASE NOS. 21727-21730

PALMILLO 29-30 STATE COM #271H-274H WELLS PALMILLO 29-30 STATE COM #375H-378H WELLS

EDDY COUNTY, NEW MEXICO



Supplemental Exhibits J through O

Spacing Unit Development Areas- Sections 29-30-19S-28E, Eddy County, NM

N/2N/2 Development Se	ctions 29-30-19	9S-28E
WI Owner	Working Interest	Pooled V JOA
Apache Corporation	0.245833338	Operator
Cimarex Energy Co	0.05625	Pooled
Colgate Production, LLC	0.152516338	Pooled
EOG Resources Inc.	0.0628946	Pooled
Occidental Permian Limited Partnership	0.021588549	Pooled
OXY USA INC	0.019849412	Pooled
OXY USA WTP, LP	0.002688188	Pooled
Sabre Exploration, Inc.	0.022285875	Pooled
SDX Properties, Inc. (Group)	0.046875	JOA/Pooled
XTO Energy Inc.	0.046875	Pooled
ZPZ Delaware I LLC	0.2515764	JOA
Marathon Oil Permian, LLC	0.0613196	Pooled
Northern Oil and Gas, Inc	0.008394915	Pooled
Read and Stevens, Inc	0.001469115	Pooled
SUM	1.00	
* ZPZ Delaware I LLC is a subsidary of Apache Corporation		

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. J
Submitted by: Apache Corporation Hearing
Date: November 05, 2021

Case Nos. 21727-21730

S/2N/2 Development Sections 29-30-19S-28E							
WI Owner	Working Interest	Pooled V JOA					
Apache Corporation	0.245833338	Operator					
Cimarex Energy Co	0.05625	Pooled					
Colgate Production, LLC	0.152516338	Pooled					
EOG Resources Inc.	0.0628946	Pooled					
Occidental Permian Limited Partnership	0.021588549	Pooled					
OXY USA INC	0.019849412	Pooled					
OXY USA WTP, LP	0.002688188	Pooled					
Sabre Exploration, Inc.	0.022285875	Pooled					
SDX Properties, Inc. (Group)	0.046875	JOA/Pooled					
XTO Energy Inc.	0.046875	Pooled					
ZPZ Delaware I LLC	0.2515764	JOA					
Marathon Oil Permian, LLC	0.0613196	Pooled					
Northern Oil and Gas, Inc.	0.008394915	Pooled					
Read & Stevens, Inc.	0.001469115	Pooled					
SUM	1.00						
* ZPZ Delaware I LLC is a subsidary of Apache Corporation							

N/2S/2 Development	Sections 29-30-	19S-28E
WI Owner	Working Interest	Pooled V JOA
Apache Corporation	0.245833338	Operator
Cimarex Energy Co	0.05625	Pooled
Colgate Production, LLC	0.211328	Pooled
EOG Resources Inc.	0.0030926	Pooled
Occidental Permian Limited Partnership	0.021588549	Pooled
OXY USA INC	0.019849412	Pooled
OXY USA WTP, LP	0.002688188	Pooled
Sabre Exploration, Inc.	0.022285875	Pooled
SDX Properties, Inc. (Group)	0.046875	JOA/Pooled
XTO Energy Inc.	0.046875	Pooled
ZPZ Delaware I LLC	0.0158796	JOA
Chevron U.S.A., Inc.	0.18862018	Pooled
Marathon Oil Permian, LLC	0.092069725	Pooled
Jetta Production Company	0.03068991	Pooled
SUM	1.00	
* ZPZ Delaware I LLC is a subsidary of Apache Corporation		

S/2S/2 Develop		
WI Owner	Working Interest	Pooled V JOA
Apache Corporation	0.108333463	Operator
Cimarex Energy Co	0.00625	Pooled
Colgate Production, LLC	0.1685715	Pooled
Dale A. Smith	0.004109688	Pooled
Ellen Smith Bivins	0.004109688	Pooled
EOG Resources Inc.	0.0030926	Pooled
Occidental Permian Limited Partnership	0.021588549	Pooled
ODS-ACS Properties, Ltd.	0.024813125	Pooled
OXY USA INC	0.019849412	Pooled
OXY USA WTP, LP	0.002688188	Pooled
Sabre Exploration, Inc.	0.137285875	Pooled
SDX Properties, Inc. (Group)	0.046875	JOA/Pooled
Texilvania, Ltd.	0.016064063	Pooled
XTO Energy Inc.	0.046875	Pooled
ZPZ Delaware I LLC	0.01563704	JOA
Marathon Oil Permian, LLC	0.23989806	Pooled
Jetta Production Company	0.069731025	Pooled
Chevron U.S.A., Inc.	0.06140997	Pooled
Tug Hill Energy, LLC	0.006140995	Pooled
SUM	1.00	
	1.00	
* ZPZ Delaware I LLC is a subsidary of Apache Corporation		

Quic
Gene
Histor

• Opera Pits Casin Well (• Finan • Comp • Incide Order • Produ Trans Points Asso Well f Well L • Well / New New I New I New (New I • New S • New • New \

SIGN-IN HELP

Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detai

30-015-46298 LADY FRANKLIN 25 STATE #121H [326127]

General Well Information			
Operator:	[371449] COLGATE OPERATING, LLC		
Status:	Active	Direction:	Horizontal
Well Type:	Oil	Multi-Lateral:	No
Work Type:	New	Mineral Owner:	State
		Surface Owner:	
Surface Location:	D-25-19S-28E 1000 FNL 265 FWL		
Lat/Long:	32.63637,-104.13805 NAD83		
GL Elevation:	3358		
KB Elevation:		Sing/Mult Compl:	Single
DF Elevation:		Potash Waiver:	False
Proposed Formation and/or Notes			
BONE SPRING			
Depths			
Proposed:	12486	True Vertical Depth:	7727
Measured Vertical Depth:	12537	Plugback Measured:	0
Formation Tops			
	Formation	Top Producing Met	hod Obtained
Event Dates			
Initial APD Approval:	09/25/2019		
Most Recent APD Approval:	09/26/2019	Current APD Expiration:	09/26/2021
APD Cancellation:			
APD Extension Approval:			
Spud:	03/04/2020	Gas Capture Plan Received:	09/25/2019
Approved Temporary		TA Expiration:	
Abandonment:		• ***	
Shut In:			
Plug and Abandoned Intent		PNR Expiration:	
Received:		Last MIT/BHT:	
Well Plugged:		Euge IIII / EI I I	
Tron : ruggou.			
Site Release:			

History —								
Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
09/26/2019	[326127] LADY FRANKLIN 25 STATE	#121H	[371449] COLGATE OPERATING, LLC	New	Oil	Active		

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. K

Case Nos. 21727-21730

Searches **Operator Data Hearing Fee Application**

Pit On Site: Number 1

Pit Type: Closed Loop Status: Active

Registration Denied: Closure Approved: Closure Denied:

Event Dates

Registered: 09/25/2019 Approved:

09/25/2019 Closed (most recent rig release): Open:

Notes

Detail Date

Casing														
					ings and		cations for			Cemente	ed and	Cement a	ınd Plug D	escription
String/Hole Type	Taper	Date Set	Diameter	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1	03/05/2020	17.500	0	334		0	0.0	0	0			0	No
Surface Casing	1	03/05/2020	13.375	0	334	J-55	334	54.5	334	0	Circ	Class C Cement	910	No
Hole 2	1	03/07/2020	12.250	334	3027		0	0.0	0	0			0	No
Intermediate 1 Casing	1	03/07/2020	9.625	0	3027	J-55	3027	40.0	3027	0	Circ	Class C Cement	3000	No
Hole 3	1	03/14/2020	8.750	3027	12517		0	0.0	0	0			0	No
Production Casing	1	03/14/2020	5.500	0	12517	HCP- 110	12517	20.0	12517	1075	Calc	Class C Cement	1700	No

Well Completions

[65010] WINCHESTER; BONE SPRING

Status: Active Last Produced:

Bottomhole Location: A-25-19S-28E 744 FNL 17 FEL 32.6371906,-104.1220077 NAD83 Lat/Long: 160 25-19S-28E Units: A B C D Acreage:

DHC: Consolidation Code:

Production Method:

Well Test Data

Production Test: Test Length: 0 hours Flowing Tubing Pressure: 0 psi Flowing Casing Pressure: 0 psi

Choke Size: 0.000 inches **Testing Method:**

0.0 bbls Gas Volume: 0.0 MCF Oil Volume: Gas-Oil Ratio: 0.0 Corr. API 0 Kcf / bbl Oil Gravity: Disposition of Gas: 0.0 bbls Water Volume:

First Gas Production:

SIGN-IN HELP

Searches **Operator Data Hearing Fee Application**

Notes

Event Dates

Initial Effective/Approval: 09/26/2019

06/24/2020 Most Recent Approval: TA Expiration: Confidential Requested On: Confidential Until:

06/29/2020 Test Allowable End: 09/24/2020 Test Allowable Approval:

TD Reached: 03/14/2020 DHC:

Rig Released: **Deviation Report Received:** No 03/14/2020 Directional Survey Run: Yes Logs Received: No

Closure Pit Plat Received: **Directional Survey Received:** Yes

First Oil Production: First Injection:

Ready to Produce:

Completion Report Received: C-104 Approval: 06/29/2020 New Well C-104 Approval:

Plug Back:

Authorization Revoked Start: Revoked Until:

Well Completion History

TΑ Effective Well Operator **Completion Status** Expiration Property Date Number Date 06/24/2020 [326127] LADY FRANKLIN 25 STATE #121H [371449] COLGATE OPERATING, LLC Active 09/26/2019 [326127] LADY FRANKLIN 25 STATE #121H [371449] COLGATE OPERATING, LLC New, Not Drilled

Financial Assurance

Balance Issuer Cash/Surety Effective **Bond Type** Base Cancellation Date U.S. SPECIALTY INSURANCE COMPANY 07/25/2016 Blanket 125000 125000 Surety

1/1800 Last Production for this well:

Inactive Additional Bond Due Date:

Bonding Depth: 7727 Required Well Bond Amount: 40454 Well Bond Required Now: No Amount of Well Bond In Place: 0

40454 Note: This well is covered by this operator's Blanket Bond(s). Variance:

In Violation: No

If the depth of the well is Unknown, please contact the appropriate OCD District Office and provide: (1) for a deviated or direction well, the measured depth, or (2) for a non-directional well, the true vertical depth

Requests to release bonds must be submitted in writing. You may send an e-mail to OCDAdminComp@state.nm.us or fax a letter to (505) 476-3462.

Compliance

Note that Financial Assurance and Inactive Well Compliance are documented in separate reports (Inactive Well Report, Financial Assurance Report)

Also note that some compliance issues are addressed at the operator level so not listed under each well.

cGC219137203

Violation Source: Field Inspection 03/30/2021 Date of Violation: Compliance Required: 06/28/2021

Searches **Operator Data Hearing Fee Application** Event Date Туре Category Incidents and Spills No Incidents Found Please note that incidents that impact ground water are recorded along with "facilities" which may not be wells, so although the initial report may be recorded here as a spill, information related to the abatement plans, remediation plans and ground water impact information are not yet part of this application. Orders No Orders Found Production / Injection Show All Production Earliest Production in OCD Records: Last Export to Excel Production Injection Davs Water(BBLS) P/I Time Frame Oil(BBLS) Gas(MCF) Water(BBLS) Co2(MCF) Gas(MCF) Other Pressure 2020 0 0 0 30 0 0 0 0 N/A 2021 0 0 0 0 0 0 0 0 N/A Grand Total: 0 0 30 0 0 0 0 N/A **Transporters** Transporter Product Most Recent for Property **Points of Disposition** ID Туре Description Pool(s) 4036133 Gas LADY FRANKLIN 25 STATE #131H [65010] WINCHESTER; BONE SPRING 4036132 Oil LADY FRANKLIN 25 STATE #131H [65010] WINCHESTER;BONE SPRING

> New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012 1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

> > EMNRD Home OCD Main Page OCD Rules Help

Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detai

30-015-46299 LADY FRANKLIN 25 STATE #131H [326127]

General Well Information				
Operator:	[371449] COLGATE OPERATING, LLC			
Status:	Active		Direction:	Horizontal
Well Type:	Oil		Multi-Lateral:	No
Work Type:	New		Mineral Owner:	State
			Surface Owner:	
Surface Location:	D-25-19S-28E 1045 FNL 265 FWL			
Lat/Long:	32.6362493,-104.1380578 NAD83			
GL Elevation:	3358			
KB Elevation:			Sing/Mult Compl:	Single
DF Elevation:			Potash Waiver:	False
Proposed Formation and/or Notes				
BONE SPRING				
Depths				
Proposed:	13608		True Vertical Depth:	8810
Measured Vertical Depth:	13505		Plugback Measured:	0
Formation Tops				
ı	Formation	Тор	Producing Metho	od Obtained
Event Dates				
Initial APD Approval:	09/25/2019			
Most Recent APD Approval:	09/26/2019		Current APD Expiration:	09/26/2021
APD Cancellation:				
APD Extension Approval:				
Spud:	03/15/2020		Gas Capture Plan Received:	09/25/2019
Approved Temporary			TA Expiration:	
Abandonment:				
Shut In:				
Plug and Abandoned Intent			PNR Expiration:	
Received:			Last MIT/BHT:	
Well Plugged:				
Site Release:				
Last Inspection:	03/30/2021			

History —								
Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
09/26/2019	[326127] LADY FRANKLIN 25 STATE	#131H	[371449] COLGATE OPERATING, LLC	New	Oil	Active		

- Gene
- <u>Histor</u>
- Comi
- Opera
- Pits
- <u>Casin</u>
- Well (
- <u>Finan</u><u>Comr</u>
- Incide
- Order
- Produ
- <u>Trans</u>
- Points

Asso

- Well F
- Well I
- Well /
 New

• New I

- New I
- New (
- New I
- New !
- New
- New \
- New !

Searches **Operator Data Hearing Fee Application**

Pit On Site: Number 1

Pit Type: Closed Loop Status: Active

Registration Denied: Closure Approved: Closure Denied:

Event Dates

Registered: 09/25/2019 Approved:

09/25/2019 Closed (most recent rig release): Open:

Notes

Detail Date

Casing														
					ings and		cations for			Cemente	ed and	Cement a	nd Plug D	escription
String/Hole Type	Taper	Date Set	Diameter	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1	03/16/2020	17.500	0	334		0	0.0	0	0			0	No
Surface Casing	1	03/16/2020	13.375	0	334	J-55	334	54.5	334	30	Circ	Class C Cement	1135	No
Hole 2	1	03/19/2020	12.250	334	3025		0	0.0	0	0			0	No
Intermediate 1 Casing	1	03/19/2020	9.625	0	3025	J-55	3025	40.0	3025	28	Circ	Class C Cement	730	No
Hole 3	1	03/28/2020	8.750	3025	13495		0	0.0	0	0			0	No
Production Casing	1	03/28/2020	5.500	0	13495	HCP- 110	13495	20.0	13495	2050	Circ	Class C Cement	1825	No

Well Completions

[65010] WINCHESTER; BONE SPRING

Status: Active Last Produced:

Bottomhole Location: A-25-19S-28E 956 FNL 24 FEL Lat/Long: 32.6366078,-104.12202277 NAD83 160 25-19S-28E Units: A B C D Acreage:

DHC: Consolidation Code:

Production Method:

Well Test Data

Production Test: Test Length: 0 hours Flowing Tubing Pressure: 0 psi Flowing Casing Pressure: 0 psi

Choke Size: 0.000 inches **Testing Method:**

0.0 bbls Gas Volume: 0.0 MCF Oil Volume: Gas-Oil Ratio: 0 Kcf / bbl 0.0 Corr. API Oil Gravity: Disposition of Gas: 0.0 bbls Water Volume:

Searches **Operator Data Hearing Fee Application**

Notes

Event Dates

Initial Effective/Approval: 09/26/2019 Most Recent Approval: 06/24/2020

Confidential Requested On: Test Allowable Approval:

03/28/2020 TD Reached: Deviation Report Received: No

Directional Survey Run: Yes **Directional Survey Received:** Yes

First Oil Production: First Injection:

Ready to Produce: C-104 Approval: 06/24/2020

Plug Back:

Authorization Revoked Start:

TA Expiration:

Confidential Until:

Test Allowable End: DHC:

Rig Released: 03/31/2020

Logs Received: No Closure Pit Plat Received:

First Gas Production:

Completion Report Received: New Well C-104 Approval:

Revoked Until:

Well Completion History

TΑ Effective Well Operator **Completion Status** Expiration Property Date Number Date 06/24/2020 [326127] LADY FRANKLIN 25 STATE #131H [371449] COLGATE OPERATING, LLC Active 09/26/2019 [326127] LADY FRANKLIN 25 STATE #131H [371449] COLGATE OPERATING, LLC New, Not Drilled

Financial Assurance

Balance Cash/Surety Effective **Bond Type** Base Issuer Cancellation Date U.S. SPECIALTY INSURANCE COMPANY 07/25/2016 Blanket 125000 125000 Surety

Last Production for this well:

Inactive Additional Bond Due Date:

Bonding Depth: 8810 Required Well Bond Amount: 42620 No Well Bond Required Now: 0

Amount of Well Bond In Place:

42620 Note: This well is covered by this operator's Blanket Bond(s). Variance:

1/1800

In Violation: No

If the depth of the well is Unknown, please contact the appropriate OCD District Office and provide: (1) for a deviated or direction well, the measured depth, or (2) for a non-directional well, the true vertical depth

Requests to release bonds must be submitted in writing. You may send an e-mail to OCDAdminComp@state.nm.us or fax a letter to (505) 476-3462.

Compliance

Note that Financial Assurance and Inactive Well Compliance are documented in separate reports (Inactive Well Report, Financial Assurance Report)

Also note that some compliance issues are addressed at the operator level so not listed under each well.

Incidents and Spills

No Incidents Found

Searches **Operator Data Hearing Fee Application** No Orders Found Production / Injection Earliest Production in OCD Records: Last Show All Production Export to Excel Production Injection Days Oil(BBLS) P/I Water(BBLS) Co2(MCF) Gas(MCF) Other Gas(MCF) Water(BBLS) Pressure Time Frame 2020 0 0 30 0 N/A 2021 0 0 0 0 0 0 0 0 N/A Grand Total: 0 0 30 0 0 0 N/A

Transporters			
	Transporter	Product	Most Recent for Property

Points of Disposition			
ID	Туре	Description	Pool(s)
4036133	Gas	LADY FRANKLIN 25 STATE #131H	[65010] WINCHESTER;BONE SPRING
4036132	Oil	LADY FRANKLIN 25 STATE #131H	[65010] WINCHESTER;BONE SPRING

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012 1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

EMNRD Home OCD Main Page OCD Rules Help

Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detail

30-015-47604 DAWSON 34 FEDERAL COM #134H [329759]

General Well Information				
Operator:	[371449] COLGATE OPERATING, LLC			
Status:	New		Direction:	Horizontal
Well Type:	Oil		Multi-Lateral:	No
Work Type:	New		Mineral Owner:	Federal
			Surface Owner:	Private
Surface Location:	P-34-19S-28E 340 FSL 560 FEL			
Lat/Long:	32.6109475,-104.1581513 NAD83			
GL Elevation:	3299			
KB Elevation:			Sing/Mult Compl:	Single
DF Elevation:			Potash Waiver:	False
Proposed Formation and/or Notes				
Depths				
Proposed:	8520		True Vertical Depth:	8455
Measured Vertical Depth:	18890		Plugback Measured:	18785
Formation Tops				
F	Formation	Тор	Producing Method	Obtained
Event Dates				
Initial APD Approval:	10/21/2020			
Most Recent APD Approval:	10/23/2020		Current APD Expiration:	10/21/2022
APD Cancellation:				
APD Extension Approval:				
Spud:	11/19/2020		Gas Capture Plan Received:	10/23/2020
Approved Temporary			TA Expiration:	
Abandonment:				
Shut In:				
Plug and Abandoned Intent			PNR Expiration:	
Received:			Last MIT/BHT:	
Well Plugged:				
Site Release:				
Last Inspection:	04/08/2021			

History								
Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
10/23/2020	[329759] DAWSON 34 FEDERAL COM	#134H	[371449] COLGATE OPERATING, LLC	New	Oil	New		

Quic

• Gene

• <u>Histor</u>

• Comr

• Opera

• Pits

<u>Casin</u><u>Well (</u>

• <u>Finan</u>

• Comp

• Incide

OrderProdu

• <u>Trans</u>

Points

Asso

Well I

....

Well /

New New I

• New I

• New (

New I

• New !

New

• New

• New \

Searches Operator Data Hearing Fee Application

No Pits Found

Casing														
				Boreholes, Strings and Equipment Specifications			cations for			Cemente Intervals	ed and	Cement and Plug Description		
String/Hole Type	Taper	Date Set	Diameter	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1	11/19/2020	17.500	0	344		0	0.0	0	0			0	No
Surface Casing	1		13.325	0	344	J-55	344	54.5	344	0	Circ	Class C Cement	390	Yes
Hole 2	1	11/22/2020	12.250	344	2918		0	0.0	0	0			0	No
Intermediate 1 Casing	1		9.625	0	2908	J-55	2908	40.0	2908	0	Circ	Class C Cement	530	Yes
Hole 3	1	12/11/2020	8.750	2908	18890		0	0.0	0	0			0	No
Production Casing	1		5.500	0	18882	HCP- 110	18882	20.0	18882	0	Circ	Unknown	2940	Yes

Well Completions

[48035] OLD MILLMAN RANCH; BS (ASSOC)

 Status:
 New, Not Drilled
 Last Produced:

 Bottomhole Location:
 M-33-19S-28E
 430 FSL
 10 FWL

Bottomhole Location: Lat/Long:

320 33-19S-28E Units: M N O P

34-19S-28E Units: M N O P

DHC: No

Consolidation Code: Communitization

Production Method: Flowing

Well Test Data

Acreage:

 Production Test:
 Test Length:
 0 hours

 Flowing Tubing Pressure:
 0 psi
 Flowing Casing Pressure:
 0 psi

Choke Size: 0.000 inches

 Gas Volume:
 0.0 MCF
 Oil Volume:
 0.0 bbls

 Gas-Oil Ratio:
 0 Kcf / bbl
 Oil Gravity:
 0.0 Corr. API

 Disposition of Gas:
 Water Volume:
 0.0 bbls

Perforations

Bottom Measured Depth

Date (Where Completion Enters Top Vertical Depth Bottom Vertical Depth

Testing Method:

Formation)

Top Measured Depth

mation) (End of Lateral)

Notes

Event Dates

Searches **Operator Data Hearing Fee Application** Directional Survey Run: Yes Logs Received: Nο **Directional Survey Received:** Yes Closure Pit Plat Received: First Oil Production: First Gas Production: First Injection: Completion Report Received: Ready to Produce: New Well C-104 Approval: C-104 Approval: Plug Back: Authorization Revoked Start: Revoked Until: **Well Completion History** TA Effective Well Property Operator **Completion Status** Expiration Date Number Date [329759] DAWSON 34 FEDERAL COM #134H [371449] COLGATE OPERATING, LLC New, Not Drilled 10/23/2020

Financial Assurance

Effective	Bond Type	Base	Balance	Issuer	Cash/Surety	Cancellation Date
07/25/2016	Blanket	125000	125000	U.S. SPECIALTY INSURANCE COMPANY	Surety	
Requests to rel	ease bonds mus	st be submit	ted in writing	. You may send an e-mail to OCDAdminComp@	<u>state.nm.us</u> or fa	ax a letter to (505) 476-

Compliance

Note that Financial Assurance and Inactive Well Compliance are documented in separate reports (<u>Inactive Well Report</u>, <u>Financial Assurance Report</u>).

Also note that some compliance issues are addressed at the operator level so not listed under each well.

Incidents and Spills

No Incidents Found

Please note that incidents that impact ground water are recorded along with "facilities" which may not be wells, so although the initial report may be recorded here as a spill, information related to the abatement plans, remediation plans and ground water impact information are not yet part of this application.

Orders

No Orders Found

Production / Injection Earliest Production in OCD Records: Show All Production Export to Excel Last Production Injection Davs Oil(BBLS) Water(BBLS) Water(BBLS) Time Frame Gas(MCF) P/I Co2(MCF) Gas(MCF) Other Pressure 0 0 0 2021 0 0 0 0 0 N/A Grand Total: 0 0 0 0 0 0 0 0 N/A

Transporters

				Searches	Operator Data	Hearing Fee A	pplication
	ID	Туре	Description		Pool(s)		

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012 1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

EMNRD Home OCD Main Page OCD Rules Help

Searches Operator Data **Hearing Fee Application**

OCD Permitting

30-015-47603 DAWSON 34 FEDERAL COM #124H [329759]

General Well Information				
Operator:	[371449] COLGATE OPERATING, LLC			
Status:	Active		Direction:	Horizontal
Well Type:	Oil		Multi-Lateral:	No
Work Type:	New		Mineral Owner:	Federal
			Surface Owner:	Private
Surface Location:	P-34-19S-28E 295 FSL 560 FEL			
Lat/Long:	32.6108239,-104.158156 NAD83			
GL Elevation:	3297			
KB Elevation:			Sing/Mult Compl:	Single
DF Elevation:			Potash Waiver:	False
Proposed Formation and/or Notes				
Depths				
Proposed:	7232		True Vertical Depth:	7204
Measured Vertical Depth:	0		Plugback Measured:	17618
Formation Tops				
	Formation	Тор	Producing Method	Obtained
Event Dates				
Initial APD Approval:	10/21/2020			
Most Recent APD Approval:	10/23/2020		Current APD Expiration:	10/21/2022
APD Cancellation:				
APD Extension Approval:				
Spud:	12/14/2020		Gas Capture Plan Received:	10/23/2020
Approved Temporary			TA Expiration:	
Abandonment:				
Shut In:				
Plug and Abandoned Intent			PNR Expiration:	
Received:			Last MIT/BHT:	
Well Plugged:				
Site Release:				
Last Inspection:	04/08/2021			

History —								
Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
10/23/2020	3/2020 [329759] DAWSON 34 FEDERAL #124H COM		[371449] COLGATE OPERATING, LLC	New	Oil	Active		

Quic

• Gene

• Histor

Opera

• Pits

Casin

• <u>Well (</u>

• <u>Finan</u> • Comp

Incidε

Order

• Produ • Trans

Points

Well I

Well I

• Well A

New

New I

New I

• New (

New I

• New S

• New

• New \

Searches **Operator Data Hearing Fee Application**

No Pits Found

Casing —														
					ings and		cations for	_	_	cemente	ed and	Cement and Plug Description		
String/Hole Type	Taper	Date Set	Diameter	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1	12/14/2020	17.500	0	350		0	0.0	0	0			0	No
Surface Casing	1		13.325	0	350	J-55	350	54.5	350	0	Circ	Class C Cement	390	Yes
Hole 2	1	12/15/2020	12.250	350	2931		0	0.0	0	0			0	No
Intermediate 1 Casing	1		9.625	0	2931	J-55	2931	40.0	2931	0	Circ	Class C Cement	535	Yes
Hole 3	1	12/24/2020	8.750	2931	17727		0	0.0	0	0			0	No
Production Casing	1		5.500	0	17707	HCP- 110	17707	20.0	17707	0	Circ	Type H Cement	3370	Yes

Well Completions

[48035] OLD MILLMAN RANCH; BS (ASSOC)

Active Last Produced: Status:

Bottomhole Location: M-33-19S-28E 330 FSL 10 FWL Lat/Long:

Acreage:

320 33-19S-28E Units: M N O P

34-19S-28E Units: M N O P

DHC: Consolidation Code:

Production Method:

Well Test Data

Test Length: **Production Test:** 0 hours Flowing Tubing Pressure: 0 psi Flowing Casing Pressure: 0 psi

Choke Size: 0.000 inches **Testing Method:**

0.0 MCF Oil Volume: 0.0 bbls Gas Volume: Gas-Oil Ratio: 0 Kcf / bbl Oil Gravity: 0.0 Corr. API Disposition of Gas: Water Volume: 0.0 bbls

Perforations

Bottom Measured Depth Date (Where Completion Enters Top Vertical Depth **Bottom Vertical Depth**

Formation)

Top Measured Depth

(End of Lateral)

Notes

Event Dates

Searches

Operator Data

Active

New, Not Drilled

SIGN-IN HELP

Hearing Fee Application

Directional Survey Run: Nο Logs Received: No **Directional Survey Received:** No Closure Pit Plat Received: First Oil Production: First Gas Production: First Injection: Ready to Produce: Completion Report Received: C-104 Approval: 02/15/2021 New Well C-104 Approval: 12/27/2020 Plug Back: Authorization Revoked Start: Revoked Until: **Well Completion History** TΑ Effective Well Property Operator **Completion Status** Expiration Date Number Date

[371449] COLGATE OPERATING, LLC

[371449] COLGATE OPERATING, LLC

Financial A	ssurance						
Effective	Bond Type	Base	Balance	Issuer	Cash/Surety	Cancellation Date	
07/25/2016	Blanket	125000	125000	U.S. SPECIALTY INSURANCE COMPANY	Surety		

Compliance

02/15/2021

10/23/2020

Note that Financial Assurance and Inactive Well Compliance are documented in separate reports (Inactive Well Report, Financial Assurance Report).

Requests to release bonds must be submitted in writing. You may send an e-mail to <a href="https://occupamel/occupam

#124H

#124H

Also note that some compliance issues are addressed at the operator level so not listed under each well.

[329759] DAWSON 34 FEDERAL COM

[329759] DAWSON 34 FEDERAL COM

Incidents and Spills

No Incidents Found

Please note that incidents that impact ground water are recorded along with "facilities" which may not be wells, so although the initial report may be recorded here as a spill, information related to the abatement plans, remediation plans and ground water impact information are not yet part of this application.

No Orders Found

Production /	Injection –										
Earliest Produc	ction in OCD	Records:	Last							Show All Production	Export to Excel
		Produ	ction			Ir	njection				
Time Frame	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure		
2021	0	0	0	0	0	0	0	0	N/A		
Grand Total:	0	0	0	0	0	0	0	0	N/A		

Searches	Operator Data	Hearing Fee Application
----------	---------------	-------------------------

Points of Disposition			
ID	Туре	Description	Pool(s)
4036635	Gas	DAWSON 34 FEDERAL COM #124H	[48035] OLD MILLMAN RANCH;BS (ASSOC)
4036634	Oil	DAWSON 34 FEDERAL COM #124H	[48035] OLD MILLMAN RANCH;BS (ASSOC)

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012 1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

EMNRD Home OCD Main Page OCD Rules Help

Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detail

30-015-46356 LADY FRANKLIN 25 STATE #134H [326127]

General Well Information				
Operator:	[371449] COLGATE OPERATING, LLC			
Status:	New		Direction:	Horizontal
Well Type:	Oil		Multi-Lateral:	No
Work Type:	New		Mineral Owner:	State
,,,			Surface Owner:	
Surface Location:	M-25-19S-28E 1246 FSL 265 FWL			
Lat/Long:	32.6280267,-104.1380424 NAD83			
GL Elevation:	3332			
KB Elevation:			Sing/Mult Compl:	Single
DF Elevation:			Potash Waiver:	False
roposed Formation and/or Notes				
SONE SPRING				
Pepths				
Proposed:	13698		True Vertical Depth:	8778
Measured Vertical Depth:	13629		Plugback Measured:	13518
formation Tops	Formation	Тор	Producing Met	hod Obtained
Survey Budge				
Event Dates				
Initial APD Approval:	10/02/2019			
Most Recent APD Approval:	10/08/2019		Current APD Expiration:	10/08/2021
APD Cancellation:				
APD Extension Approval:				
Spud:	12/31/2020		Gas Capture Plan Received:	10/02/2019
Approved Temporary			TA Expiration:	
Abandonment:				
Shut In:			DND Everination:	
Plug and Abandoned Intent			PNR Expiration:	04/40/2024
Received:			Last MIT/BHT:	01/10/2021
Well Plugged:				
Site Release:	04/40/0004			
Last Inspection:	01/10/2021			

History —								
Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
10/08/2019	[326127] LADY FRANKLIN 25 STATE	#134H	[371449] COLGATE OPERATING, LLC	New	Oil	New		

- Gene
- <u>Histor</u>
- Comi
- Opera
- Pits
- Casin
- Well (Finan
- Comp
- Incide
- Order
- <u>Produ</u>
- <u>Trans</u>
 <u>Points</u>

• Well F

- Well I
- Well /
- New

New I

- New I
- <u>New (</u>
- New !New !
- . Now
- New
- New \

Searches **Operator Data Hearing Fee Application**

Pit On Site: Number 1

Pit Type: Closed Loop Status: Active

Registration Denied: Closure Approved: Closure Denied:

Event Dates

Registered: 10/02/2019 Approved:

10/02/2019 Closed (most recent rig release): Open:

Notes

Detail Date

Casing														
					ings and		cations for	_	_	Cemente	ed and	Cement a	and Plug D	escription
String/Hole Type	Taper	Date Set	Diameter	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1	12/31/2020	17.500	0	333		0	0.0	0	0			0	No
Surface Casing	1		13.375	0	333	J-55	333	54.5	333	0	Circ	Class C Cement	410	Yes
Hole 2	1	01/03/2021	12.250	333	3064		0	0.0	0	0			0	No
Intermediate 1 Casing	1		9.625	0	3064	J-55	0	36.0	3064	0	Circ	Class C Cement	745	Yes
Hole 3	1	01/11/2021	8.750	3064	13619		0	0.0	0	0			0	No
Production Casing	1		5.500	0	13619	HCP- 110	13619	20.0	13619	0	Circ	Type H Cement	1880	No

Well Completions

[65010] WINCHESTER; BONE SPRING

Status: New, Not Drilled Last Produced:

Bottomhole Location: P-25-19S-28E 330 FSL 10 FEL 32.6255795,-104.1219474 NAD83 Lat/Long: 160 25-19S-28E Units: M N O P Acreage:

DHC: Consolidation Code:

Production Method:

Well Test Data

Production Test: Test Length: 0 hours Flowing Tubing Pressure: 0 psi Flowing Casing Pressure: 0 psi

Choke Size: 0.000 inches **Testing Method:**

0.0 bbls Gas Volume: 0.0 MCF Oil Volume: Gas-Oil Ratio: 0 Kcf / bbl 0.0 Corr. API Oil Gravity: Disposition of Gas: 0.0 bbls Water Volume:

Searches **Operator Data Hearing Fee Application**

Notes

Event Dates

Initial Effective/Approval: 10/08/2019 10/08/2019 Most Recent Approval:

Confidential Requested On: Test Allowable Approval:

TD Reached:

Deviation Report Received: No Directional Survey Run: No

First Oil Production: First Injection:

Directional Survey Received:

Ready to Produce: C-104 Approval:

Plug Back:

Authorization Revoked Start:

TA Expiration:

Confidential Until: Test Allowable End:

DHC: Rig Released:

Logs Received:

Closure Pit Plat Received: First Gas Production:

Completion Report Received:

New Well C-104 Approval:

Revoked Until:

Well Completion History

Effective Date

Property

No

Well Number

Operator

Completion Status

Expiration

Date

TΑ

10/08/2019

Effective

[326127] LADY FRANKLIN 25 STATE

#134H

[371449] COLGATE OPERATING, LLC

New, Not Drilled

No

Financial Assurance

Balance Base

Issuer

Cash/Surety

Cancellation Date

07/25/2016 Blanket

125000 125000

U.S. SPECIALTY INSURANCE COMPANY

Suretv

Last Production for this well: Inactive Additional Bond Due Date:

Bonding Depth: Required Well Bond Amount: Well Bond Required Now:

Bond Type

Amount of Well Bond In Place:

42556 No

8778

1/1800

0

Variance: 42556 Note: This well is covered by this operator's Blanket Bond(s). In Violation: No

If the depth of the well is Unknown, please contact the appropriate OCD District Office and provide: (1) for a deviated or direction well, the measured depth, or (2) for a non-directional well, the true vertical depth

Requests to release bonds must be submitted in writing. You may send an e-mail to <a href="https://occupamel/occupam

Compliance

Note that Financial Assurance and Inactive Well Compliance are documented in separate reports (Inactive Well Report, Financial Assurance Report)

Also note that some compliance issues are addressed at the operator level so not listed under each well.

Incidents and Spills

No Incidents Found

Please note that incidents that impact ground water are recorded along with "facilities" which may not be wells, so although the initial report may be recorded here as a spill, information related to the abatement plans, remediation plans and ground water impact information are not yet part of this application.

Searches Operator Data Hearing Fee Application

	Production /	Injection -										
١.	Earliest Produ	ction in OCD	Records:	Last							Show All Production	Export to Excel
			Produ	ction			Ir	njection				
Ì					Days							
	Time Frame	Oil(BBLS)	Gas(MCF)	Water(BBLS)	P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure		
	Grand Total:	0	0	0	0	0	0	0	0	N/A		

Transporters			
	Transporter	Product	Most Recent for Property

Points of Disposition			
ID	Туре	Description	Pool(s)

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012 1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

EMNRD Home OCD Main Page OCD Rules Help

Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detai

30-015-46355 LADY FRANKLIN 25 STATE #124H [326127]

Operator:	[371449] COLGATE OPERATING, LLC			
Status:	Active		Direction:	Horizontal
Well Type:	Oil		Multi-Lateral:	No
Work Type:	New		Mineral Owner:	State
			Surface Owner:	
Surface Location:	M-25-19S-28E 1291 FSL 265 FWL			
Lat/Long:	32.6281503,-104.1380427 NAD83			
GL Elevation:	3333			
KB Elevation:			Sing/Mult Compl:	Single
DF Elevation:			Potash Waiver:	False
Proposed Formation and/or Notes				
BONE SPRING				
Depths				
Proposed:	12519		True Vertical Depth:	7764
Measured Vertical Depth:	0		Plugback Measured:	13388
Formation Tops				
	Formation	Тор	Producing Metho	d Obtained
Event Dates				
Initial APD Approval:	10/02/2019			
Most Recent APD Approval:	10/08/2019		Current APD Expiration:	10/08/2021
APD Cancellation:				
APD Extension Approval:				
Spud:	01/12/2021		Gas Capture Plan Received:	10/02/2019
Approved Temporary			TA Expiration:	
Abandonment:				
Shut In:				
Plug and Abandoned Intent			PNR Expiration:	
Received:			Last MIT/BHT:	
Well Plugged:				
Site Release:				
Last Inspection:				

History								
Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
10/08/2019	[326127] LADY FRANKLIN 25 STATE	#124H	[371449] COLGATE OPERATING, LLC	New	Oil	Active		

- Gene
- <u>Histor</u>
- Comi
- Opera
- Pits
- <u>Casin</u>
- Well (Finan
- Comp
- Incide
- OrderProdu
- <u>Trans</u>
- Points
- A ---

• Well F

- Well I
- Well /
- New

New I

- New I
- New !
- New :
- New
- New \
- New !

Searches Operator Data Hearing Fee Application

Pit On Site: Number 1

Pit Type: Closed Loop Status: Active

Registration Denied: Closure Approved: Closure Denied:

Event Dates

Registered: Approved: 10/02/2019

Open: 10/02/2019 Closed (most recent rig release):

Notes

Date Detail

Casing														
				oles, Stri ent Spec	ngs and ifications		cations for	_	String	s Cement Intervals		Cement a	and Plug D	escription
String/Hole Type	Taper	Date Set	Diameter	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1	01/13/2021	17.500	0	334		0	0.0	0	0			0	No
Surface Casing	1		13.375	0	334	J-55	334	54.5	334	0	Circ		410	Yes
Hole 2	1	01/14/2021	12.250	334	3026		0	0.0	0	0			0	No
Intermediate 1 Casing	1		9.625	0	3026	J-55	3026	40.0	3026	0	Circ		735	Yes
Hole 3	1	01/20/2021	8.750	3026	12507		0	0.0	0	0			0	No
Production Casing	1		5.500	0	12487	HCP- 110	12487	20.0	12487	208	Theory	Type H Cement	1755	Yes

Well Completions

[65010] WINCHESTER; BONE SPRING

Status: Active Last Produced:

 Bottomhole Location:
 P-25-19S-28E
 969 FSL
 39 FEL

 Lat/Long:
 32.6270085,-104.1219529 NAD83

 Acreage:
 160
 25-19S-28E Units: M N O P

DHC: Consolidation Code:

Production Method:

Well Test Data

 Production Test:
 Test Length:
 0 hours

 Flowing Tubing Pressure:
 0 psi
 Flowing Casing Pressure:
 0 psi

Choke Size: 0.000 inches Testing Method:

 Gas Volume:
 0.0 MCF
 Oil Volume:
 0.0 bbls

 Gas-Oil Ratio:
 0 Kcf / bbl
 Oil Gravity:
 0.0 Corr. API

 Disposition of Gas:
 Water Volume:
 0.0 bbls

			Searches (Operator Data	Hearing Fee Application
	I				
	7942	12262	0	0	

TA Expiration:

Confidential Until:

Notes

Event Dates

Initial Effective/Approval: 10/08/2019 Most Recent Approval: 04/20/2021

Confidential Requested On:

Test Allowable Approval: 07/15/2021 Test Allowable End: 10/15/2021

01/20/2021 DHC: TD Reached:

Deviation Report Received: No Rig Released: 01/21/2021 Directional Survey Run: Logs Received: Yes No

Directional Survey Received: Yes Closure Pit Plat Received: First Oil Production: First Gas Production:

First Injection:

04/20/2021 Ready to Produce: Completion Report Received: 07/15/2021 New Well C-104 Approval: C-104 Approval:

Plug Back:

Authorization Revoked Start: Revoked Until:

Well Completion History

Effective Date	Property	Well Number	Operator	Completion Status	TA Expiration Date
04/20/2021	[326127] LADY FRANKLIN 25 STATE	#124H	[371449] COLGATE OPERATING, LLC	Active	
10/08/2019	[326127] LADY FRANKLIN 25 STATE	#124H	[371449] COLGATE OPERATING, LLC	New, Not Drilled	

Financial Assurance

Effective	Bond Type	Base	Balance	Issuer	Cash/Surety	Cancellation Date
07/25/2016	Blanket	125000	125000	U.S. SPECIALTY INSURANCE COMPANY	Surety	

Last Production for this well: 1/1800

Inactive Additional Bond Due Date:

7764 **Bonding Depth:** Required Well Bond Amount: 40528 Well Bond Required Now: No Amount of Well Bond In Place: 0

Variance: 40528 Note: This well is covered by this operator's Blanket Bond(s).

In Violation: No

If the depth of the well is Unknown, please contact the appropriate OCD District Office and provide: (1) for a deviated or direction well, the measured depth, or (2) for a non-directional well, the true vertical depth.

Requests to release bonds must be submitted in writing. You may send an e-mail to OCDAdminComp@state.nm.us or fax a letter to (505) 476-3462.

Compliance

Note that Financial Assurance and Inactive Well Compliance are documented in separate reports (Inactive Well Report, Financial Assurance Report)

Also note that some compliance issues are addressed at the operator level so not listed under each well.

Searches **Operator Data Hearing Fee Application Orders** No Orders Found Production / Injection Earliest Production in OCD Records: Show All Production Export to Excel Production Injection Days P/I Water(BBLS) Co2(MCF) 0 0 0 0 Grand Total: 0 0 0 N/A **Transporters** Product Most Recent for Property Transporter **Points of Disposition** ID Туре Description Pool(s) Gas LADY FRANKLIN 25 STATE #131H [65010] WINCHESTER;BONE SPRING 4036133 [65010] WINCHESTER;BONE SPRING 4036132 Oil LADY FRANKLIN 25 STATE #131H

> New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012 1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

> > EMNRD Home OCD Main Page OCD Rules Help

Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detail

30-015-46357 LADY FRANKLIN 25 STATE #133H [326127]

General Well Information				
Operator:	[371449] COLGATE OPERATING, LLC			
Status:	Active		Direction:	Horizontal
Well Type:	Oil		Multi-Lateral:	No
Work Type:	New		Mineral Owner:	State
			Surface Owner:	
Surface Location:	L-25-19S-28E 1336 FSL 265 FWL			
Lat/Long:	32.628274,-104.138043 NAD83			
GL Elevation:	3335			
KB Elevation:			Sing/Mult Compl:	Single
DF Elevation:			Potash Waiver:	False
Proposed Formation and/or Notes				
BONE SPRING				
BONE OF MINO				
Depths				
Proposed:	13643		True Vertical Depth:	8828
Measured Vertical Depth:	0		Plugback Measured:	13505
Formation Tops				
	Formation	Тор	Producing Method	Obtained
Event Dates				
Initial APD Approval:	10/02/2019			
Most Recent APD Approval:	10/08/2019		Current APD Expiration:	10/08/2021
APD Cancellation:				
APD Extension Approval:				
Spud:	01/21/2021		Gas Capture Plan Received:	10/02/2019
Approved Temporary			TA Expiration:	
Abandonment:				
Shut In:				
Plug and Abandoned Intent			PNR Expiration:	
Received:			Last MIT/BHT:	
Well Plugged:				
Site Release:				
Last Inspection:	01/23/2021			

History								
Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
10/08/2019	[326127] LADY FRANKLIN 25 STATE	#133H	[371449] COLGATE OPERATING, LLC	New	Oil	Active		

- Gene
- <u>Histor</u>
- Comi
- Opera
- Pits
- Casin
- Well (Finan
- Comp
- Incide
- Order
- <u>Produ</u>
- <u>Trans</u>
 <u>Points</u>

• Well I

- Well I
- Well /

New

- New INew I
- New (
- New I
- New !
- New
- New \

Searches Operator Data Hearing Fee Application

Pit On Site: Number 1

Pit Type: Closed Loop Status: Active

Registration Denied: Closure Approved: Closure Denied:

Event Dates

Registered: Approved: 10/02/2019

Open: 10/02/2019 Closed (most recent rig release):

Notes

Date Detail

Ca	sing														
				Boreho Equipme	les, Strir ent Speci	_		cations for	_	_	Cement	ed and	Cement and	l Plug Des	cription
	ring/Hole Type	Taper	Date Set	Diameter	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hol	le 1	1	01/21/2021	17.500	0	347		0	0.0	0	0			0	No
	rface sing	1		13.375	0	337	J-55	337	54.5	337	0	Circ	Halliburton Premium Cement, Type Unknown	414	Yes
Hol	le 2	1	01/23/2021	12.250	337	3026		0	0.0	0	0			0	No
	ermediate Casing	1		9.625	0	3026	J-55	3026	36.0	3026	0	Circ	Halliburton Premium Cement, Type Unknown	694	Yes
Hol	le 3	1	01/29/2021	8.750	3026	13607		0	0.0	0	0			0	No
	oduction	1		5.500	0	13592	HCP- 110	13592	20.0	13592	0		Halliburton Premium Cement, Type Unknown	1594	No

Well Completions

[65010] WINCHESTER; BONE SPRING

Status: Active Last Produced:

 Bottomhole Location:
 I-25-19S-28E
 1661 FSL
 36 FEL

 Lat/Long:
 32.628274,-104.1219613 NAD83

 Acreage:
 160
 25-19S-28E Units: I J K L

DHC: Consolidation Code:
Production Method:

Well Test Data

Searches **Operator Data Hearing Fee Application**

Perforations

Top Measured Depth Date

9042

(Where Completion Enters

Bottom Measured Depth (End of Lateral)

Top Vertical Depth

Bottom Vertical Depth

Formation)

13392

Notes

Event Dates

Initial Effective/Approval:

10/08/2019

Most Recent Approval:

04/20/2021

TA Expiration:

0

Confidential Requested On:

07/15/2021

Confidential Until: Test Allowable End:

Test Allowable Approval: TD Reached:

01/29/2021

Deviation Report Received: No Rig Released:

01/30/2021

0

Directional Survey Run:

Logs Received:

No

Directional Survey Received:

Yes

Closure Pit Plat Received:

First Oil Production:

Yes

First Gas Production:

First Injection: Ready to Produce:

C-104 Approval:

04/12/2021

Completion Report Received:

04/20/2021

New Well C-104 Approval:

Authorization Revoked Start:

Revoked Until:

Well Completion History

Effective Date	Property	Well Number	Operator	Completion Status	TA Expiration Date
04/20/2021	[326127] LADY FRANKLIN 25 STATE	#133H	[371449] COLGATE OPERATING, LLC	Active	
04/16/2021	[326127] LADY FRANKLIN 25 STATE	#133H	[371449] COLGATE OPERATING, LLC	Active	
10/08/2019	[326127] LADY FRANKLIN 25 STATE	#133H	[371449] COLGATE OPERATING, LLC	New, Not Drilled	

Financial Assurance

Effective	Bond Type	Base	Balance	Issuer	Cash/Surety	Cancellation Date
07/25/2016	Blanket	125000	125000	U.S. SPECIALTY INSURANCE COMPANY	Surety	

Last Production for this well:

Inactive Additional Bond Due Date:

Bonding Depth:

1/1800

8828

Required Well Bond Amount: Amount of Well Bond In Place:

42656 Well Bond Required Now: No

Variance: 42656 Note: This well is covered by this operator's Blanket Bond(s).

In Violation:

If the depth of the well is Unknown, please contact the appropriate OCD District Office and provide: (1) for a deviated or direction well, the measured depth, or (2) for a non-directional

Requests to release bonds must be submitted in writing. You may send an e-mail to OCDAdminComp@state.nm.us or fax a letter to (505) 476-3462.

Compliance

Searches **Operator Data Hearing Fee Application** No Incidents Found Please note that incidents that impact ground water are recorded along with "facilities" which may not be wells, so although the initial report may be recorded here as a spill, information related to the abatement plans, remediation plans and ground water impact information are not yet part of this application. **Orders** No Orders Found Production / Injection Show All Production Earliest Production in OCD Records: Export to Excel Last Production Injection Davs Water(BBLS) P/I Water(BBLS) Time Frame Oil(BBLS) Gas(MCF) Co2(MCF) Gas(MCF) Other Pressure 0 0 0 2021 0 0 0 0 0 N/A 0 0 0 0 0 0 0 0 Grand Total: N/A **Transporters** Transporter Product Most Recent for Property Points of Disposition Туре Description Pool(s) 4036133 LADY FRANKLIN 25 STATE #131H [65010] WINCHESTER; BONE SPRING 4036132 Oil LADY FRANKLIN 25 STATE #131H [65010] WINCHESTER;BONE SPRING New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012 1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

EMNRD Home

OCD Main Page

OCD Rules

Searches Operator Data **Hearing Fee Application**

OCD Permitting

30-015-46354 LADY FRANKLIN 25 STATE #123H [326127]

General Well Information				
Operator:	[371449] COLGATE OPERATING, LLC			
Status:	Active		Direction:	Horizontal
Well Type:	Oil		Multi-Lateral:	No
Work Type:	New		Mineral Owner:	State
			Surface Owner:	
Surface Location:	L-25-19S-28E 1381 FSL 265 FWL			
Lat/Long:	32.62839,-104.13804 NAD83			
GL Elevation:	3335			
KB Elevation:			Sing/Mult Compl:	Single
DF Elevation:			Potash Waiver:	False
Proposed Formation and/or Notes				
BONE SPRING				
BOINE SPRING				
Depths				
Proposed:	12550		True Vertical Depth:	0
Measured Vertical Depth:	0		Plugback Measured:	0
Formation Tops				
	Formation	Тор	Producing Method	Obtained
Event Dates				
Initial APD Approval:	10/02/2019			
Most Recent APD Approval:	10/08/2019		Current APD Expiration:	10/08/2021
APD Cancellation:				
APD Extension Approval:				
Spud:	01/31/2021		Gas Capture Plan Received:	10/02/2019
Approved Temporary			TA Expiration:	
Abandonment:				
Shut In:				
Plug and Abandoned Intent			PNR Expiration:	
Received:			Last MIT/BHT:	
Well Plugged:				
Site Release:				
Last Inspection:	02/07/2021			

History —								
Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
10/08/2019	[326127] LADY FRANKLIN 25 STATE	#123H	[371449] COLGATE OPERATING, LLC	New	Oil	Active		

Quic

• Gene

• Histor

Opera

Pits

• <u>Casin</u>

• <u>Well (</u> • <u>Finan</u>

• Comp

• Incide

Order

• Produ • Trans

Points

Well I

Well I

• Well A New

New I

New I

• New (

New I

• New S

• New

Searches Operator Data Hearing Fee Application

Pit On Site: Number 1

Pit Type: Closed Loop Status: Active

Registration Denied: Closure Approved: Closure Denied:

Event Dates

Registered: Approved: 10/02/2019

Open: 10/02/2019 Closed (most recent rig release):

Notes

Date Detail

Casing														
			Boreho Equipme	les, Strir ent Speci	_		ications for	_	_	Cement	ed and	Cement and	l Plug Des	scription
String/Hole Type	Taper	Date Set	Diameter	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1	01/31/2021	17.500	0	345		0	0.0	0	0			0	No
Surface Casing	1		13.375	0	336	J-55	336	54.5	336	0	Circ	Halliburton Premium Cement, Type Unknown	414	Yes
Hole 2	1	02/01/2021	12.250	336	3032		0	0.0	0	0			0	No
Intermediate 1 Casing	1		9.625	0	3022	J-55	3022	36.0	3022	0	Circ	Halliburton Premium Cement, Type Unknown	701	Yes
Hole 3	1	02/05/2021	8.750	3022	12533		0	0.0	0	0			0	No
Production Casing	1		5.500	0	12518	P-110	12518	17.0	12518	0		Halliburton Premium Cement, Type Unknown	1475	No

Well Completions

[65010] WINCHESTER; BONE SPRING

Status: Active Last Produced:

 Bottomhole Location:
 I-25-19S-28E
 2301 FSL
 33 FEL

 Lat/Long:
 32.63036,-104.12196 NAD83

 Acreage:
 160
 25-19S-28E Units: I J K L

DHC: Consolidation Code:
Production Method:

Well Test Data

Searches **Operator Data Hearing Fee Application**

0

02/07/2021

No

Perforations

Top Measured Depth Date

(Where Completion Enters

Bottom Measured Depth (End of Lateral)

Top Vertical Depth

Bottom Vertical Depth

Formation)

8150

12325

Notes

Event Dates

TD Reached:

Initial Effective/Approval:

10/08/2019

Most Recent Approval: Confidential Requested On: Test Allowable Approval:

Deviation Report Received:

Directional Survey Received:

Authorization Revoked Start:

Directional Survey Run:

First Oil Production: First Injection: Ready to Produce:

04/13/2021

04/16/2021

02/05/2021

Yes

Yes

No

06/24/2020

C-104 Approval:

04/16/2021

Plug Back:

Confidential Until: Test Allowable End:

TA Expiration:

0

Rig Released:

Logs Received:

Closure Pit Plat Received:

First Gas Production:

Completion Report Received:

New Well C-104 Approval:

Revoked Until:

Well Completion History

TΑ Effective Well **Completion Status** Property Operator Expiration Date Number [326127] LADY FRANKLIN 25 STATE [371449] COLGATE OPERATING, LLC 04/13/2021 #123H Active 10/08/2019 [326127] LADY FRANKLIN 25 STATE #123H [371449] COLGATE OPERATING, LLC New. Not Drilled

Financial Assurance

Bond Type Balance Effective Base Issuer Cash/Surety Cancellation Date

07/25/2016 125000 125000 U.S. SPECIALTY INSURANCE COMPANY Blanket Surety

Last Production for this well:

1/1800

Inactive Additional Bond Due Date: **Bonding Depth:**

0 (Proposed:12550)

Required Well Bond Amount: 50100 Well Bond Required Now: No Amount of Well Bond In Place: 0

Variance: 50100 Note: This well is covered by this operator's Blanket Bond(s).

In Violation:

If the depth of the well is Unknown, please contact the appropriate OCD District Office and provide: (1) for a deviated or direction well, the measured depth, or (2) for a non-directional

Requests to release bonds must be submitted in writing. You may send an e-mail to OCDAdminComp@state.nm.us or fax a letter to (505) 476-3462.

Compliance

Note that Financial Assurance and Inactive Well Compliance are documented in separate reports (Inactive Well Report, Financial Assurance Report)

Searches Operator Data Hearing Fee Application

Please note that incidents that impact ground water are recorded along with "facilities" which may not be wells, so although the initial report may be recorded here as a spill, information related to the abatement plans, remediation plans and ground water impact information are not yet part of this application.

Orders	
No Orders Found	

Production /	Injection –										
Earliest Produc	ction in OCD	Records:	Last							Show All Production	Export to Excel
		Produ	ction			Ir	njection				
Time Frame	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure		
2021	0	0	0	0	0	0	0	0	N/A		
Grand Total:	0	0	0	0	0	0	0	0	N/A		

Transporters			
	Transporter	Product	Most Recent for Property

Points of Disposition			
ID	Туре	Description	Pool(s)
4036133	Gas	LADY FRANKLIN 25 STATE #131H	[65010] WINCHESTER;BONE SPRING
4036132	Oil	LADY FRANKLIN 25 STATE #131H	[65010] WINCHESTER;BONE SPRING

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012 1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

EMNRD Home OCD Main Page OCD Rules Hel

Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detail

30-015-46300 LADY FRANKLIN 25 STATE #132H [326127]

General Well Information				
Operator:	[371449] COLGATE OPERATING, LLC			
Status:	Active		Direction:	Horizontal
Well Type:	Oil		Multi-Lateral:	No
Work Type:	New		Mineral Owner:	State
			Surface Owner:	
Surface Location:	D-25-19S-28E 1135 FNL 265 FWL			
Lat/Long:	32.636002,-104.13805 NAD83			
GL Elevation:	3358			
KB Elevation:			Sing/Mult Compl:	Single
DF Elevation:			Potash Waiver:	False
roposed Formation and/or Notes				
ONE SPRING				
epths				
Proposed:	13734		True Vertical Depth:	8805
Measured Vertical Depth:	13739		Plugback Measured:	0
ormation Tops				
ı	Formation	Тор	Producing Method	d Obtained
Event Dates				
Initial APD Approval:	09/25/2019			
Most Recent APD Approval:	09/26/2019		Current APD Expiration:	09/26/2021
APD Cancellation:			P	•
APD Extension Approval:				
Spud:	02/08/2021		Gas Capture Plan Received:	09/25/2019
Approved Temporary	- · · · · · · · · · · · · · · · · · · ·		TA Expiration:	
Abandonment:				
Shut In:				
Plug and Abandoned Intent			PNR Expiration:	
Received:			Last MIT/BHT:	03/30/2021
Well Plugged:				
Site Release:				

History —								
Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
09/26/2019	[326127] LADY FRANKLIN 25 STATE	#132H	[371449] COLGATE OPERATING, LLC	New	Oil	Active		

- Gene
- <u>Histor</u>
- Comi
- Opera
- Pits
- Casin
- Well (Finan
- Comp
- Incide
- Order
- <u>Produ</u><u>Trans</u>
- Points

• Well F

- Well I
- <u>Well /</u>
- New

New I

- New I
- New (
- New I
- New !
- New
- <u>New \</u>

Searches **Operator Data Hearing Fee Application**

Pit On Site: Number 1

Pit Type: Closed Loop Status: Active

Registration Denied: Closure Approved: Closure Denied:

Event Dates

Registered: 09/25/2019 Approved:

09/25/2019 Closed (most recent rig release): Open:

Notes

Detail Date

Casing														
					ings and		cations for	0		cemente	ed and	Cement a	nd Plug D	escription
String/Hole Type	Taper	Date Set	Diameter	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1	02/08/2021	17.500	0	341		0	0.0	0	0			0	No
Surface Casing	1	02/08/2021	13.375	0	341	J-55	341	54.5	341	0	Circ	Class C Cement	715	Yes
Hole 2	1	02/10/2021	12.250	341	3061		0	0.0	0	0			0	No
Intermediate 1 Casing	1	02/10/2021	9.625	0	3061	J-55	3061	36.0	3061	0	Circ	Class C Cement	612	Yes
Hole 3	1	02/19/2021	8.750	3061	13719		0	0.0	0	0			0	No
Production Casing	1	02/19/2021	5.500	0	13719	HCP- 110	13719	20.0	13719	7997	Circ	Type H Cement	1601	No

Well Completions

[65010] WINCHESTER; BONE SPRING

Status: Active Last Produced:

Bottomhole Location: H-25-19S-28E 2302 FNL 18 FEL 32.63292,-104.12197 NAD83 Lat/Long: 160 25-19S-28E Units: E F G H Acreage:

DHC: Consolidation Code:

Production Method:

Well Test Data

Production Test: Test Length: 0 hours Flowing Tubing Pressure: 0 psi Flowing Casing Pressure: 0 psi

Choke Size: 0.000 inches Testing Method:

0.0 bbls Gas Volume: 0.0 MCF Oil Volume: 0.0 Corr. API Gas-Oil Ratio: 0 Kcf / bbl Oil Gravity: Disposition of Gas: 0.0 bbls Water Volume:

			Searches	Operator Data	Hearing Fee Application
	0004	40.000	^		

Notes

Event Dates

Initial Effective/Approval: 09/26/2019
Most Recent Approval: 07/08/2021

07/08/2021

02/18/2020

07/08/2021

No

Confidential Requested On:

Test Allowable Approval:

TD Reached:

Deviation Report Received:

Directional Survey Run: Yes
Directional Survey Received: Yes

First Oil Production: First Injection:

Ready to Produce: C-104 Approval:

Plug Back:

Authorization Revoked Start:

TA Expiration:
Confidential Until:

Test Allowable End:

DHC:

Rig Released:

OCD Permitting - Well Details

Logs Received: No Closure Pit Plat Received:

02/20/2021

First Gas Production:

Completion Report Received:

New Well C-104 Approval:

Revoked Until:

Well Completion History

Effective Date	Property	Well Number	Operator	Completion Status	TA Expiration Date
07/08/2021	[326127] LADY FRANKLIN 25 STATE	#132H	[371449] COLGATE OPERATING, LLC	Active	
09/26/2019	[326127] LADY FRANKLIN 25 STATE	#132H	[371449] COLGATE OPERATING, LLC	New, Not Drilled	

Financial Assurance

Effective Bond Type Base Balance Issuer Cash/Surety Cancellation Date

07/25/2016 Blanket 125000 125000 U.S. SPECIALTY INSURANCE COMPANY Surety

Last Production for this well:

1/1800

Inactive Additional Bond Due Date:

Bonding Depth: 8805
Required Well Bond Amount: 42610
Well Bond Required Now: No
Amount of Well Bond In Place: 0

Variance: 42610 Note: This well is covered by this operator's Blanket Bond(s).

In Violation: No

If the depth of the well is Unknown, please contact the appropriate OCD District Office and provide: (1) for a deviated or direction well, the measured depth, or (2) for a non-directional well, the true vertical depth.

Requests to release bonds must be submitted in writing. You may send an e-mail to <u>OCDAdminComp@state.nm.us</u> or fax a letter to (505) 476-3462.

Compliance

Note that Financial Assurance and Inactive Well Compliance are documented in separate reports (Inactive Well Report, Financial Assurance Report).

Also note that some compliance issues are addressed at the operator level so not listed under each well.

cGC219137443

Searches **Operator Data Hearing Fee Application** Actions/Events **Event Date** Category Туре Incidents and Spills No Incidents Found Please note that incidents that impact ground water are recorded along with "facilities" which may not be wells, so although the initial report may be recorded here as a spill, information related to the abatement plans, remediation plans and ground water impact information are not yet part of this application. Orders ō. NSL-8161-0 Applicant: [371449] COLGATE OPERATING, LLC Contact: Brian Wood Approved By: Reviewer: Leonard Lowe Issuing Office: Santa Fe **Processing Dates** 03/17/2021 Ordered: 04/26/2021 Received: 04/26/2021 Denied: Approved: Expiration: Cancelled: **Order Pools** Pool Gas Percent Oil Percent [65010] WINCHESTER; BONE SPRING 0 0 Production / Injection Earliest Production in OCD Records: Show All Production Last Export to Excel Production Injection Time Frame Oil(BBLS) Gas(MCF) Water(BBLS) P/I Water(BBLS) Co2(MCF) Other Grand Total: 0 0 0 0 0 0 0 0 N/A **Transporters** Transporter Product Most Recent for Property

Points of Disposition			
ID	Туре	Description	Pool(s)
4036133	Gas	LADY FRANKLIN 25 STATE #131H	[65010] WINCHESTER;BONE SPRING
4036132	Oil	LADY FRANKLIN 25 STATE #131H	[65010] WINCHESTER;BONE SPRING

Searches Operator Data Hearing Fee Application

EMNRD Home OCD Main Page OCD Rules Help

Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detai

30-015-47744 DAKOTA 32 STATE FEDERAL COM #134H [329864]

General Well Information				
Operator:	[371449] COLGATE OPERATING, LLC			
Status:	Active		Direction:	Horizontal
Well Type:	Oil		Multi-Lateral:	No
Work Type:	New		Mineral Owner:	Federal
			Surface Owner:	State
Surface Location:	P-32-19S-28E 1298 FSL 300 FEL			
Lat/Long:	32.6134644,-104.1915778 NAD83			
GL Elevation:	3341			
KB Elevation:			Sing/Mult Compl:	Single
DF Elevation:			Potash Waiver:	False
Proposed Formation and/or Notes				
Depths				
Proposed:	8177		True Vertical Depth:	0
Measured Vertical Depth:	0		Plugback Measured:	0
Formation Tops				
	Formation	Тор	Producing Metho	d Obtained
Event Dates				
Initial APD Approval:	11/23/2020			
Most Recent APD Approval:	12/01/2020		Current APD Expiration:	11/23/2022
APD Cancellation:				
APD Extension Approval:				
Spud:	04/30/2021		Gas Capture Plan Received:	11/25/2020
Approved Temporary			TA Expiration:	
Abandonment:				
Shut In:				
Plug and Abandoned Intent			PNR Expiration:	
Received:			Last MIT/BHT:	
Well Plugged:				
Site Release:				
Last Inspection:				

History								
Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
12/01/2020	[329864] DAKOTA 32 STATE FEDERAL COM	#134H	[371449] COLGATE OPERATING, LLC	New	Oil	Active		

- Gene
- <u>Histor</u>
- Comi
- Opera
- Pits
- Casin
- Well (Finan
- Comp
- Incide
- OrderProdu
- Trans
- Points
- Asso

• Well F

- Well I
- Well /
- New

New I

- New I
- <u>New (</u>
- New I
- New S
- New
- New \

Searches Operator Data Hearing Fee Application

No Pits Found

			Davahalaa	Cáulmana	and Faulament	Connelli	laatiawa fa	Cáulmana	Cáninas	Comonto	d a m al			
				Specifica	and Equipment itions		ications for and Tubin	_	_	Cemente Intervals	a and	Cement a	nd Plug D	escription
String/Hole Type	Taper	Date Set	Diameter	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1		17.500	0	295		0	0.0	0	0			0	No
Surface Casing	1		13.375	0	295	J-55	295	54.5	295	0	Circ	Class C Cement	300	Yes
Hole 2	1		12.250	295	2914		0	0.0	0	0			0	No
Intermediate 1 Casing	1		9.625	0	2914		2914	40.0	2914	0	Circ	Class C Cement	972	Yes
Hole 3	1		8.750	2914	18880		0	0.0	0	0			0	No
Production Casing	1		5.500	0	18880		18880	20.0	18880	0	Circ		2477	Yes

Well Completions	
------------------	--

[97569] WINCHESTER; BONE SPRING, WEST

Status: Active Last Produced:

Bottomhole Location: M-31-19S-28E Lot: 4 356 FSL 10 FWL

 Lat/Long:
 32.6107466,-104.2254439 NAD83

 Acreage:
 320
 31-19S-28E Units: M(4) N O P

 32-19S-28E Units: M N O P

DHC: Consolidation Code:

Production Method:

Well Test Data

 Production Test:
 Test Length:
 0 hours

 Flowing Tubing Pressure:
 0 psi
 Flowing Casing Pressure:
 0 psi

Choke Size: 0.000 inches Testing Method:

 Gas Volume:
 0.0 MCF
 Oil Volume:
 0.0 bbls

 Gas-Oil Ratio:
 0 Kcf / bbl
 Oil Gravity:
 0.0 Corr. API

 Disposition of Gas:
 Water Volume:
 0.0 bbls

Perforations

Date (Where Completion Enters Bottom Measured Depth Bottom Vertical Depth Bottom Vertical Depth

Formation) (End of Lateral)

9038 18668 0

Notes

Top Measured Depth

Searches Operator Data Hearing Fee Application

Deviation Report Received: No Rig Released:

Directional Survey Run: No Logs Received: No

 Directional Survey Received:
 No
 Closure Pit Plat Received:

 First Oil Production:
 First Gas Production:

First Injection:

 Ready to Produce:
 09/13/2021
 Completion Report Received:

 C-104 Approval:
 09/15/2021
 New Well C-104 Approval:

Plug Back:

Authorization Revoked Start: Revoked Until:

Well Completion History

Effective Date	Property	Well Number	Operator	Completion Status	TA Expiration Date
09/13/2021	[329864] DAKOTA 32 STATE FEDERAL COM	#134H	[371449] COLGATE OPERATING, LLC	Active	
12/01/2020	[329864] DAKOTA 32 STATE FEDERAL COM	#134H	[371449] COLGATE OPERATING, LLC	New, Not Drilled	

Financial Assurance

Eff	ective	Bond Type	Base	Balance	Issuer	Cash/Surety	Cancellation Date				
07/2	25/2016	Blanket	125000	125000	U.S. SPECIALTY INSURANCE COMPANY	Surety					
Reque	Requests to release bonds must be submitted in writing. You may send an e-mail to OCDAdminComp@state.nm.us or fax a letter to (505) 476-3462.										

Compliance

Note that Financial Assurance and Inactive Well Compliance are documented in separate reports (Inactive Well Report, Financial Assurance Report).

Also note that some compliance issues are addressed at the operator level so not listed under each well.

Incidents and Spills

No Incidents Found

Please note that incidents that impact ground water are recorded along with "facilities" which may not be wells, so although the initial report may be recorded here as a spill, information related to the abatement plans, remediation plans and ground water impact information are not yet part of this application.

Orders

No Orders Found

Production / Injection

Earliest Produ	ction in OCD I	Records:	Last							Show All Production	Export to Excel
		Produ	ction			Ir	njection				
Time Frame	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure		
Grand Total:	0	0	0	0	0	0	0	0	N/A		

			Searches	Operator Data	Hearing Fee A	Application
TOTAL OF PROPOSICION						
ID	Туре	Description		Pool(s)		
4037610	Gas	DAKOTA 32 STATE FEDERAL COM #134H	[97569] WINCHES	STER; BONE SPRING, WE	ST	
4037609	Oil	DAKOTA 32 STATE FEDERAL COM #134H	[97569] WINCHES	STER; BONE SPRING, WE	ST	

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012 1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

EMNRD Home OCD Main Page OCD Rules Help

Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detail

30-015-47740 DAKOTA 32 STATE FEDERAL COM #124H [329864]

General Well Information				
Operator:	[371449] COLGATE OPERATING, LLC			
Status:	Active		Direction:	Horizontal
Well Type:	Oil		Multi-Lateral:	No
Work Type:	New		Mineral Owner:	Federal
			Surface Owner:	State
Surface Location:	P-32-19S-28E 1253 FSL 300 FEL			
Lat/Long:	32.6133411,-104.1915873 NAD83			
GL Elevation:	3341			
KB Elevation:			Sing/Mult Compl:	Single
DF Elevation:			Potash Waiver:	False
Proposed Formation and/or Notes				
Depths				
Proposed:	6957		True Vertical Depth:	0
Measured Vertical Depth:	0		Plugback Measured:	0
Formation Tops				
	Formation	Тор	Producing Method	d Obtained
Event Dates				
Initial APD Approval:	11/23/2020			
Most Recent APD Approval:	12/01/2020		Current APD Expiration:	11/23/2022
APD Cancellation:				
APD Extension Approval:				
Spud:	05/22/2021		Gas Capture Plan Received:	11/25/2020
Approved Temporary			TA Expiration:	
Abandonment:				
Shut In:				
Plug and Abandoned Intent			PNR Expiration:	
Received:			Last MIT/BHT:	
Well Plugged:				
Site Release:				
Last Inspection:				

History								
Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
12/01/2020	[329864] DAKOTA 32 STATE FEDERAL COM	#124H	[371449] COLGATE OPERATING, LLC	New	Oil	Active		

- Gene
- <u>Histor</u>
- Comi
- Opera
- Pits
- <u>Casin</u>
- Well (Finan
- Comp
- Incide
- OrderProdu
- <u>Trans</u>
- Points
- Asso

• Well F

- Well I
- Well /
- New

New I

- New I
- <u>New (</u>
- New I
- New :
 New :
- <u>INEW</u>
- New \

Searches **Operator Data Hearing Fee Application**

No Pits Found

Casing														
					ings and	Specifi	cations for	_	_	s Cemente Intervals	ed and	Cement a	ınd Plug D	escription
String/Hole Type	Taper	Date Set	Diameter	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1	05/22/2021	17.500	0	300		0	0.0	0	0			0	No
Surface Casing	1		13.375	0	300	J-55	300	54.5	300	0	Circ	Class C Cement	0	Yes
Hole 2	1	05/24/2021	12.250	300	2908		0	0.0	0	0			0	No
Intermediate 1 Casing	1		9.625	0	2893	J-55	2893	36.0	2893	0	Circ	Class C Cement	785	Yes
Hole 3	1	06/01/2021	8.750	2893	17602		0	0.0	0	0			0	No
Production Casing	1		5.500	0	17588	P-110	17588	17.0	17588	0	Circ	Class C Cement	2075	Yes

Well Completions

[97569] WINCHESTER; BONE SPRING, WEST

Last Produced: Status:

Bottomhole Location: M-31-19S-28E Lot: 4 355 FSL 10 FWL

Lat/Long: 32.6107465,-104.2254439 NAD83 Acreage: 320 31-19S-28E Units: M(4) N O P 32-19S-28E Units: M N O P

DHC: Consolidation Code:

Production Method:

Well Test Data

Test Length: **Production Test:** 0 hours Flowing Tubing Pressure: 0 psi Flowing Casing Pressure: 0 psi

Choke Size: 0.000 inches **Testing Method:**

0.0 MCF Oil Volume: 0.0 bbls Gas Volume: Gas-Oil Ratio: 0 Kcf / bbl Oil Gravity: 0.0 Corr. API Disposition of Gas: Water Volume: 0.0 bbls

Perforations

Bottom Measured Depth Date (Where Completion Enters Top Vertical Depth **Bottom Vertical Depth** (End of Lateral)

Formation)

Top Measured Depth

Notes

Event Dates

Searches **Operator Data Hearing Fee Application** Directional Survey Run: Nο Logs Received: Nο **Directional Survey Received:** Nο Closure Pit Plat Received: First Oil Production: First Gas Production: First Injection: Ready to Produce: 09/13/2021 Completion Report Received: C-104 Approval: 09/15/2021 New Well C-104 Approval: Plug Back: Authorization Revoked Start: Revoked Until: **Well Completion History** TA Effective Well Property Operator **Completion Status** Expiration Date Number Date [371449] COLGATE OPERATING, LLC 09/13/2021 [329864] DAKOTA 32 STATE FEDERAL COM #124H Active 12/01/2020 [329864] DAKOTA 32 STATE FEDERAL COM #124H [371449] COLGATE OPERATING, LLC New, Not Drilled

Effective Bond Type Base Balance Issuer Cash/Surety Cancellation Date

 07/25/2016
 Blanket
 125000
 125000
 U.S. SPECIALTY INSURANCE COMPANY
 Surety

Compliance

Note that Financial Assurance and Inactive Well Compliance are documented in separate reports (Inactive Well Report, Financial Assurance Report)

Requests to release bonds must be submitted in writing. You may send an e-mail to <a href="https://occupamel/occupam

Also note that some compliance issues are addressed at the operator level so not listed under each well.

Incidents and Spills

No Incidents Found

Please note that incidents that impact ground water are recorded along with "facilities" which may not be wells, so although the initial report may be recorded here as a spill, information related to the abatement plans, remediation plans and ground water impact information are not yet part of this application.

Orders

No Orders Found

Production / Injection **Earliest Production in OCD Records:** Show All Production Last Export to Excel Production Injection Davs Oil(BBLS) Gas(MCF) Water(BBLS) P/I Water(BBLS) Co2(MCF) Gas(MCF) Other Time Frame Pressure Grand Total: 0 0 0 0 0 0 0 N/A

Transporters

Searches	Operator Data	Hearing Fee Application
----------	---------------	--------------------------------

ID	Туре	Description	Pool(s)
4037610	Gas	DAKOTA 32 STATE FEDERAL COM #134H	[97569] WINCHESTER; BONE SPRING, WEST
4037609	Oil	DAKOTA 32 STATE FEDERAL COM #134H	[97569] WINCHESTER; BONE SPRING, WEST

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012 1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

EMNRD Home OCD Main Page OCD Rules Help

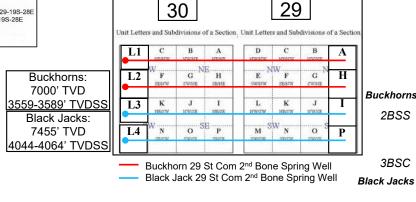
PROPOSED COLGATE BLACK JACK AND BUCKHORN TARGETING

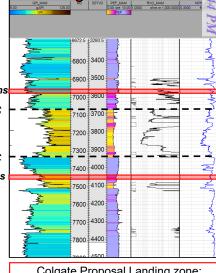
BONE SPRING SAND WELLS

khorn 29 State Com 121H Black Jack 29 State Com 123H To be located at a legal location in Units A/H of Section 29-19S-28E SHL: To be located at a legal location in Units I/P of Section 29-19S-28E BHL: To be located at a legal location in Unit L3 Section 30-19S-28E To be located at a legal location in Unit L1 Section 30-19S-28E 7,000' TVD: 7,455' TMD: Approximately 17,655' Approximately 17,360 Targeted Interval: 2nd Bone Spring ted Interval: 2nd Bone Spring

Springfield 29 State Com 1 used as type well and is located 638' FEL of section 29

- Buckhorns SHLs in Unit A/H of Sec 29. Landing TVD is proposed as 7000' TVD
- Black Jack SHLs in Unit I/P of Sec 29. Landing TVD is proposed as 7,455' TVD
- According to latest DEM maps and assuming a hypothetical 26' rig KB, $\,$ 7000' TVD is equal to a range of 3559' to 3589' TVDSS over sections A/H
- According to latest DEM maps and assuming a hypothetical 26' rig KB, $\,$ 7,455' TVD is equal to a range of 4044' to 4064' TVDSS over sections I/P
- Black Jack 2^{nd} Bone Spring wells placed below the base of 2^{nd} Bone Spring Sandstone in the 3^{rd} Bone Spring Carbonate Section.
- No Apache operated wells have targeted this 3^{rd} Bone Spring Carbonate sand stringer. This sand stringer is thinner and has worse reservoir quality than the 2^{nd} Bone Spring Sandstone. The carbonate zones bounding the stringer cannot be fracced.



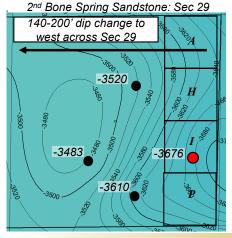


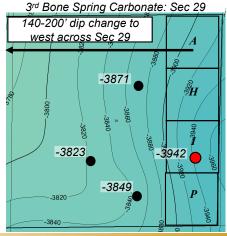
Type Well for Targeting: Sec 29

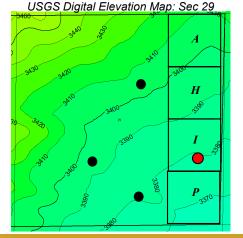
Colgate Proposal Landing zone: Buckhorns target shallower than 2nd Bone Spring Sandstone; Black Jacks target in thin sand stringer in

3rd Bone Spring Carbonate, Sand stringer is highly variable across sections

No production history, bounding 3rd Bone Spring Carbonate is difficult/ impossible to frac if penetrated with wellbore







BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. L

Submitted by: Apache Corporation Hearing

Date: November 05, 2021 Case Nos. 21727-21730

PROPOSED COLGATE BLACK JACK AND BUCKHORN TARGETING

Buckhorn 131H:

8200' TVD

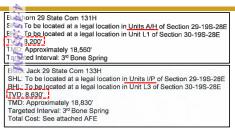
4759-4789' TVDSS

Black Jacks:

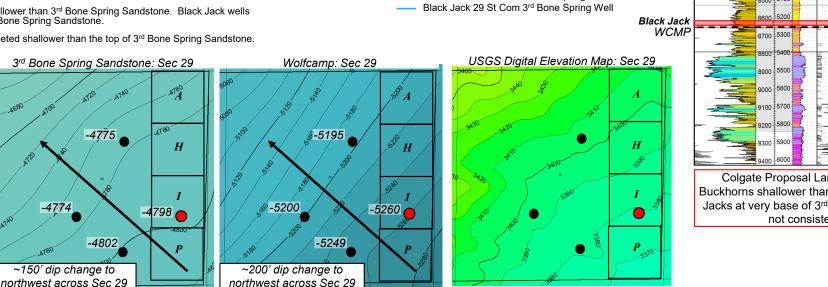
8630' TVD

5219-5239' TVDss

BONE SPRING SAND WELLS



- Buckhorn $3^{\rm rd}$ BSS wells proposed at 8200' TVD (4759-4789 TVDSS) and 8000' TVD (Typo in proposal). SHLs in Units A/H of Section 29.
- Black Jack wells proposed at 8630' TVD (5219-5239' TVDSS). SHLs located in Units I/P of section 29.
- Buckhorn wells placed shallower than $3^{\rm rd}$ Bone Spring Sandstone. Black Jack wells placed at very base of $3^{\rm rd}$ Bone Spring Sandstone.
- No Apache wells have targeted shallower than the top of 3rd Bone Spring Sandstone.



30

NE

G

29

Н

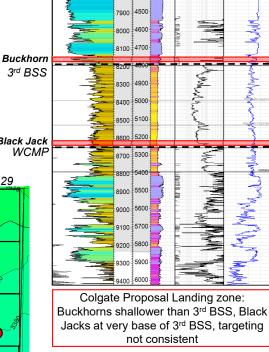
G

0

Unit Letters and Subdivisions of a Section, Unit Letters and Subdivisions of a Section

Buckhorn 29 St Com 3rd Bone Spring Well

M

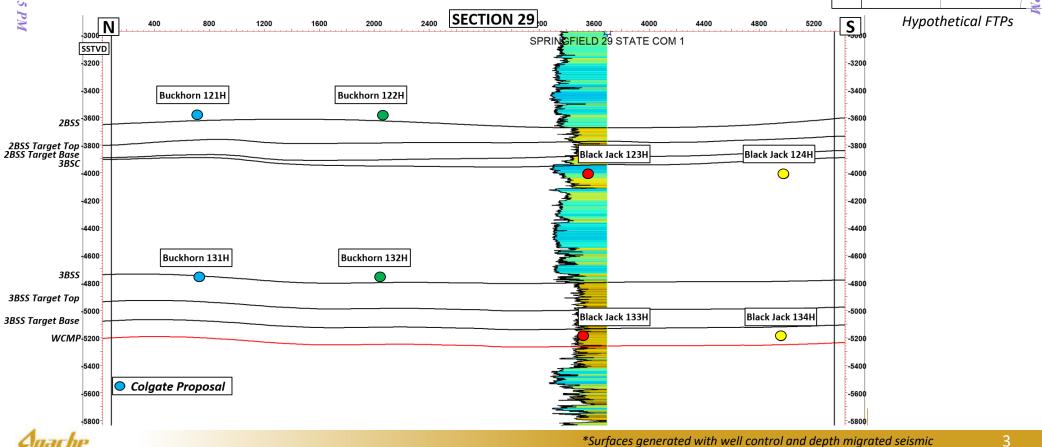




ARBITRARY LINE

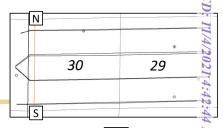
COLGATE WELL PROPOSAL LANDING TVDS

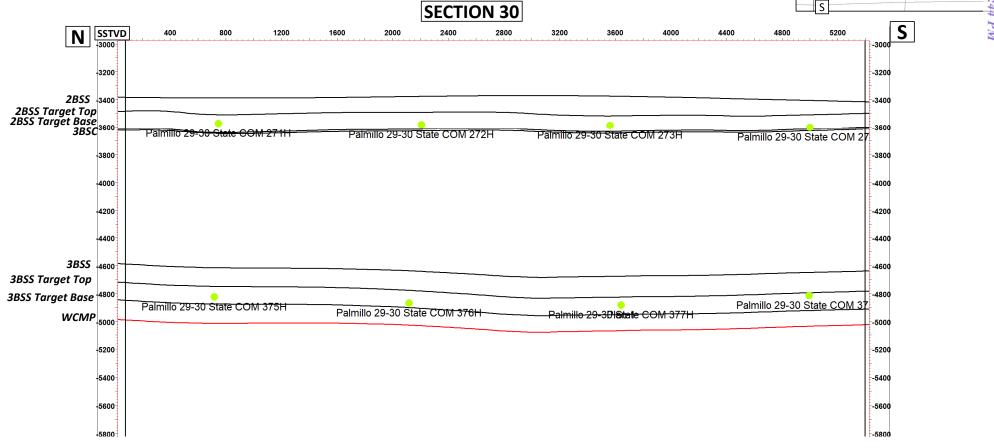




ARBITRARY LINE

APACHE WELL PROPOSAL LANDING TVDS









October 21, 2021

Apache Corporation 2000 Post Oak Blvd, Suite 100 Houston, TX 77056

RE:

Proposal to Drill – Bowie 30 State Com 121H, 131H, 122H, and 132H (the "Well(s)")

N/2 of Section 30, T19S-R28E Eddy County, New Mexico

Dear Owner:

Colgate Operating, LLC, ("Colgate") as Operator, hereby proposes to drill and complete the four Wells referenced above to test the Second and Third Bone Spring formation, to approximate measured depths specified on the Authorities for Expenditure ("AFE(s)") enclosed along with this letter.

Pursuant to the terms of that certain Operating Agreement, dated September 26, 1980, by and between Colgate Operating, LLC, (successor Operator to Southland Royalty Company), as Operator, and Colgate Production, LLC, et al, as Non-Operators (successor non-operators) covering the N/2 of Section 30, 19S-28E, you have thirty (30) days from receipt of this notice to indicate your election to participate.

Please indicate your election by signing and returning one copy of the enclosed ballot, AFEs and insurance declaration to the undersigned within thirty (30) days of receipt.

If you should have any questions concerning this proposal, please contact Mark Hajdik either via telephone at (432) 257-3886 or via email at mhajdik@colgateenergy.com.

Sincerely,

COLGATE OPERATING, LLC

Mark Hajdik

Senior Staff Landman

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. M

Submitted by: Apache Corporation Hearing
Date: November 05, 2021

Case Nos. 21727-21730

300 N. Marienfeld Street, Suite 1000, Midland, Texas 79701 P: (432) 695-4222 | F: (432) 695-4063 www.ColgateEnergy.com

Page 2 of 3

Non-Operator hereby elects to:
participate in the drilling and completion of the Bowie 30 State Com 121H
non-consent the drilling and completion of the Bowie 30 State Com 121H
participate in the drilling and completion of the Bowie 30 State Com 122H
non-consent the drilling and completion of the Bowie 30 State Com 122H
participate in the drilling and completion of the Bowie 30 State Com 131H
non-consent the drilling and completion of the Bowie 30 State Com 131H
participate in the drilling and completion of the Bowie 30 State Com 132H non-consent the drilling and completion of the Bowie 30 State Com 132H
Agreed this day of, 2021 by:
BY:
Signature
Printed Name
Title

Page 3 of 3

Participate / Rejection Declaration

Please return this page to Colgate by the date specified in the letter, signed indicating your election to either participate in or reject this insurance program. If you reject the insurance coverage arranged by Colgate, then, to the extent that Colgate has an obligation to secure any such insurance on your behalf under any applicable agreements or otherwise, Colgate will be relieved of such obligation, and Colgate will assume that you maintain appropriate levels of insurance and will provide a current Certificate of Insurance upon request. If you fail to make an election within 30 days from receipt of this notice, you will be deemed a participant in the program as detailed on the attached and billed for your percentage participation as such.

	I hereby elect to participate in the insurance coverage arranged by Colgate Operating, LLC, and understand that I will be charged for such participation.
	I hereby elect to reject the insurance coverage arranged by Colgate Operating, LLC.
	Agreed this day of, 2021 by:
Ву:	
Signat	ure
Printed	l Name
Title	

Colgate Energy 303 W. Wall St., Midland TX 79701

	ESTIMATE O	Phone (432) 695-4257 • 1 F COSTS AND AUTHOI	RIZATION FOR EXPENDI	TURE	
DATE:	10/22/2021			AFE NO.:	0
WELL NAME:	Bowie 30 State COM 121F	I		FIELD: est W	inchester; Bone Spri
LOCATION:	Parkway			MD/TVD:	12507 / 7100
COUNTY/STATE:	Eddy			LATERAL LENGTH:	5,080
Colgate WI:	0.00%			DRILLING DAYS:	17.07
GEOLOGIC TARGET:	2nd Bone Spring		(COMPLETION DAYS:	11
REMARKS:	Drill and Complete 30 sta	ges in the 2nd Bone Sp	ring formation. AFE incl	udes D&C, flowback & in	itial ESP install.
INTANGIBLE	COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land / Legal / Regulatory	\$	35,000	\$	\$	\$ 35,000
2 Location, Surveys & Dama	ges	150,000	13,000	10,000	173,000
4 Freight / Transportation 5 Rental - Surface Equipmer		55,500 47,069	33,250 111,100	4,640	88,750 162,809
6 Rental - Downhole Equipmen	_	68,499	40,000	1,010	108,499
7 Rental - Living Quarters	=	31,500	40,100	5,200	76,800
10 Directional Drilling, Surv	reys	163,640			163,640
11 Drilling 12 Drill Bits	-	414,850 81,000			414,850 81,000
13 Fuel & Power	=	55,563	105,000		160,563
14 Cementing & Float Equip		155,000			155,000
16 Perforating, Wireline, Slic	_	-	133,250	8,000	141,250
17 High Pressure Pump True 18 Completion Unit, Swab, (<u>-</u>	10,000	12,040	10,000 72,040
20 Mud Circulation System		71,707	00,000	14,010	71,707
21 Mud Logging	-	16,534			16,534
22 Logging / Formation Eval	uation	4,094	8,000		12,094
23 Mud & Chemicals 24 Water	-	73,028 27,882	152,000 261,596		225,028 289,478
25 Stimulation	-	-	360,000		360,000
26 Stimulation Flowback &		-	84,000		84,000
28 Mud/Wastewater Dispos		96,938	68,000	0.000	164,938
30 Rig Supervision / Engine 32 Drlg & Completion Overl		79,529 6,401	57,200	9,800	146,529 6,401
35 Labor	_	108,500	23,000	10,000	141,500
54 Proppant	- -		213,868		213,868
95 Insurance	-	22,513	04.040	F 0/0	22,513
97 Contingency 99 Plugging & Abandonmer	- -	88,237	84,018	5,968	178,223
>> 1 14661116 to 110 411401111101	TOTAL INTANGIBLES >	1,852,983	1,857,382	65,648	3,776,013
TANCIDIE		DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
TANGIBLE C 60 Surface Casing	\$	9,590	\$	\$	\$ 9,590
61 Intermediate Casing	· -	69,726	·	·	69,726
62 Drilling Liner	- -	-			-
63 Production Casing	_	164,467			164,467
64 Production Liner 65 Tubing	-	 _		29,372	29,372
66 Wellhead	-	64,000		48,900	112,900
67 Packers, Liner Hangers	- -	22,000	-	3,500	25,500
68 Tanks	_	<u>-</u>			
69 Production Vessels 70 Flow Lines	-	 _		-	
71 Rod string	-	-		-	-
72 Artificial Lift Equipment		-		80,000	80,000
73 Compressor 74 Installation Costs	_	<u>-</u>		35,000	35,000
75 Surface Pumps	_	 _		5,000	5,000
76 Downhole Pumps	-	-		4,950	4,950
77 Measurement & Meter In	_	-		-	-
78 Gas Conditioning / Dehy					
79 Interconnecting Facility P 80 Gathering / Bulk Lines	iping				-
81 Valves, Dumps, Controlle	ers			-	-
82 Tank / Facility Containme	ent				-
83 Flare Stack	_			60,000	60,000
84 Electrical / Grounding 85 Communications / SCAD	A -			- 60,000	- 60,000
86 Instrumentation / Safety	-			-	
	TOTAL TANGIBLES >	329,782	0	266,722	596,504
	TOTAL COSTS >	2,182,766	1,857,382	332,370	4,372,517
EPARED BY Colgate Ener	gy:				
Drilling Enginee	r: Steven Segrest				
Completions Enginee			CRM		
Production Enginee					
gate Energy APPROVAL	:				
Co-CE		Co-CE	0	VP - Operatio	ns
	WH		JW	*	CRM
VP - Land & Lega		VP - Geoscience			
	BG		SO		
N OPERATING PARTNI	ER APPROVAL:				
Company Name			Working Interest (%):	Tax I	D:
Company Ivamo	e:		orking micresi (/0):	1 dX 1	
Signed by	y:		Date:		
Title	e:		Approval· 🗆	Yes	No (mark one)

Colgate Energy 303 W. Wall St. , Midland TX 79701 Phone (432) 695-4257 • Fax (432) 695-4063

DATE:	40 /00 /0001				C
	10/22/2021	<u> </u>		AFE NO.:	0
WELL NAME:	Bowie 30 State COM 122F	1			inchester; Bone Spri
LOCATION:	Parkway Eddy			MD/TVD:	12507 / 7100 5,080
COUNTY/STATE: Colgate WI:	0.00%			DRILLING DAYS:	17.07
GEOLOGIC TARGET:	2nd Bone Spring	_	C	COMPLETION DAYS:	11
REMARKS:	Drill and Complete 30 sta			udes D&C, flowback & init	
INTANGIBLE O	COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
Land/Legal/Regulatory	\$ <u> </u>	35,000	\$ 12,000		\$ 35,000
Location, Surveys & Damag Freight / Transportation	es -	150,000 55,500	13,000 33,250	10,000	173,000 88,750
Rental - Surface Equipment		47,069	111,100	4,640	162,809
Rental - Downhole Equipm	ent	68,499	40,000	5.000	108,499
Rental - Living Quarters Directional Drilling, Surve	evs -	31,500 163,640	40,100	5,200	76,800 163,640
Drilling	-	414,850			414,850
Drill Bits	-	81,000	105.000		81,000
Fuel & Power Cementing & Float Equip	-	55,563 155,000	105,000		160,563 155,000
Perforating, Wireline, Slick	cline -	-	133,250	8,000	141,250
High Pressure Pump Truck		-	10,000		10,000
Completion Unit, Swab, C Mud Circulation System	-	71,707	60,000	12,040	72,040 71,707
Mud Logging	-	16,534			16,534
Logging/Formation Evalu	ation -	4,094	8,000		12,094
Mud & Chemicals	-	73,028	152,000		225,028
Water Stimulation	-	27,882	261,596 360,000		289,478 360,000
Stimulation Flowback & D	risp	-	84,000		84,000
Mud/Wastewater Disposa		96,938	68,000		164,938
Rig Supervision / Engineer	_	79,529 6,401	57,200	9,800	146,529 6,401
2 Drlg & Completion Overh 5 Labor	-	108,500	23,000	10,000	141,500
Proppant	-		213,868	,	213,868
Insurance	-	22,513	****	= 0.75	22,513
' Contingency Plugging & Abandonment	_	88,237	84,018	5,968	178,223
Trugging & rivandonment	TOTAL INTANGIBLES >	1,852,983	1,857,382	65,648	3,776,013
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO		COSTS	COSTS	COSTS	COSTS
Surface Casing Intermediate Casing	\$	9,590 69,726	\$	\$	\$ 9,590 69,726
Drilling Liner	-	-			-
Production Casing	-	164,467			164,467
Production Liner	-	-		20.052	-
Tubing Wellhead	-	64,000		29,372 48,900	29,372 112,900
Packers, Liner Hangers	-	22,000		3,500	25,500
Tanks	-	-		-	
Production Vessels	_	-		-	
) Flow Lines I Rod string	-				
Artificial Lift Equipment	-	-		80,000	80,000
Compressor	-	-		-	-
Installation Costs Surface Pumps	-	-		35,000 5,000	35,000 5,000
Downhole Pumps	-			4,950	4,950
Measurement & Meter Ins	_	-		-	
Gas Conditioning / Dehyd	_			-	
Interconnecting Facility Pi Gathering / Bulk Lines	hmg -			-	
Valves, Dumps, Controller	s				
Tank / Facility Containmen	nt			-	
3 Flare Stack 4 Electrical / Grounding	-			60,000	60,000
Licencal/ Glounding	<u>-</u>			-	-
Communications / SCADA					
	-				
	TOTAL TANGIBLES > TOTAL COSTS >	329,782 2,182,766	0 1,857,382	266,722 332,370	596,504 4,372,517
Instrumentation/Safety	TOTAL TANGIBLES > TOTAL COSTS >			,	
Instrumentation/Safety ARED BY Colgate Energ	TOTAL TANGIBLES > TOTAL COSTS >			,	
ARED BY Colgate Energy Drilling Engineer:	TOTAL TANGIBLES > TOTAL COSTS > TY: Steven Segrest		1,857,382	,	
ARED BY Colgate Energy Drilling Engineer: Completions Engineer:	TOTAL TANGIBLES > TOTAL COSTS > Steven Segrest Brady Adams			,	
Instrumentation / Safety ARED BY Colgate Energy Drilling Engineer:	TOTAL TANGIBLES > TOTAL COSTS > Steven Segrest Brady Adams		1,857,382	,	
ARED BY Colgate Energy Drilling Engineer: Completions Engineer: Production Engineer:	TOTAL TANGIBLES > TOTAL COSTS > Steven Segrest Brady Adams		1,857,382	,	
ARED BY Colgate Energy Drilling Engineer: Completions Engineer: Production Engineer:	TOTAL TANGIBLES > TOTAL COSTS > Steven Segrest Brady Adams Levi Harris	2,182,766	1,857,382	332,370	4,372,517
ARED BY Colgate Energy Drilling Engineer: Completions Engineer: Production Engineer:	TOTAL TANGIBLES > TOTAL COSTS > Steven Segrest Brady Adams Levi Harris		1,857,382	,	4,372,517
ARED BY Colgate Energy Drilling Engineer: Completions Engineer: Production Engineer: te Energy APPROVAL: Co-CEO	TOTAL TANGIBLES > TOTAL COSTS > Steven Segrest Brady Adams Levi Harris WH	2,182,766 Co-Ci	1,857,382 CRM GO	332,370	4,372,517
Completions Engineer: Production Engineer: ate Energy APPROVAL:	TOTAL TANGIBLES > TOTAL COSTS > Steven Segrest Brady Adams Levi Harris WH	2,182,766	1,857,382 CRM GO	332,370	4,372,517
ARED BY Colgate Energy Drilling Engineer: Completions Engineer: Production Engineer: te Energy APPROVAL: Co-CEO	TOTAL TANGIBLES > TOTAL COSTS > Steven Segrest Brady Adams Levi Harris WH	2,182,766 Co-Ci	1,857,382 CRM GO	332,370	4,372,517
ARED BY Colgate Energy Drilling Engineer: Completions Engineer: Production Engineer: te Energy APPROVAL: Co-CEO VP - Land & Legal	TOTAL TANGIBLES > TOTAL COSTS > Sy: Steven Segrest Brady Adams Levi Harris WH BG	2,182,766 Co-Ci	1,857,382 CRM GO	332,370	4,372,517
ARED BY Colgate Energy Drilling Engineer: Completions Engineer: Production Engineer: te Energy APPROVAL: Co-CEO VP - Land & Legal	TOTAL TANGIBLES > TOTAL COSTS > Steven Segrest Brady Adams Levi Harris WH BG R APPROVAL:	2,182,766 Co-Ci VP - Geoscience	1,857,382 CRM GO	332,370 VP - Operation	4,372,517
Drilling Engineer: Completions Engineer: Production Engineer: The Energy APPROVAL: Co-CEO VP - Land & Legal OPERATING PARTNE Company Name:	TOTAL TANGIBLES > TOTAL COSTS > Steven Segrest Brady Adams Levi Harris WH BG R APPROVAL:	2,182,766 Co-Ci VP - Geoscience	CRM CRM GO	332,370 VP - Operation	4,372,517
ARED BY Colgate Energy Drilling Engineer: Completions Engineer: Production Engineer: te Energy APPROVAL: Co-CEO VP - Land & Legal	TOTAL TANGIBLES > TOTAL COSTS > Steven Segrest Brady Adams Levi Harris WH BG R APPROVAL:	2,182,766 Co-Ci VP - Geoscience	1,857,382 CRM GO	332,370 VP - Operation	4,372,517

Colgate Energy 303 W. Wall St., Midland TX 79701

DATE:	10/22/2021		RIZATION FOR EXPENDI	AFE NO.:	0
ATE: /ELL NAME:	Bowie 30 State Com 131H				inchester; Bone Spri
OCATION:	Parkway	·		MD/TVD:	13557 / 8150
OUNTY/STATE:	Eddy			LATERAL LENGTH:	5,080
olgate WI:	0.00%			DRILLING DAYS:	18.83
EOLOGIC TARGET:	3rd Bone Spring		(COMPLETION DAYS:	11
		: d 0 1B C			: 1 FCD : 4 11
EMARKS:	Drill and Complete 30 sta			ıdes D&C, flowback & init	
INTANGIBLE		DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
Land / Legal / Regulatory Location, Surveys & Dam	3.00s	35,000 150,000	13,000	10,000	\$ 35,000 173,000
Freight / Transportation	<u>-</u>	55,500	33,250	10,000	88,750
Rental - Surface Equipme	nt -	51,422	111,100	4,640	167,162
Rental - Downhole Equip	ment	68,799	40,000		108,799
Rental - Living Quarters) Directional Drilling, Sur	TIONS -	33,517 186,060	40,100	5,200	78,817 186,060
Drilling		445,251			445,251
2 Drill Bits	-	91,500			91,500
3 Fuel & Power	- -	61,292	105,000		166,292
Cementing & Float Equi		155,000	122.050	0.000	155,000
6 Perforating, Wireline, Sl 7 High Pressure Pump Tru		<u>-</u>	133,250	8,000	141,250 10,000
Completion Unit, Swab,			60,000	12,040	72,040
Mud Circulation System		77,409		· · · · · · · · · · · · · · · · · · ·	77,409
Mud Logging	- -	18,012			18,012
Logging / Formation Eva	luation	5,290 78,228	8,000 152,000		13,290 230,228
3 Mud & Chemicals 1 Water	_	78,228 28,037	279,884		307,921
5 Stimulation	=	-	360,000		360,000
6 Stimulation Flowback &		-	84,000		84,000
Mud/Wastewater Dispo		96,938	68,000		164,938
Rig Supervision / Engine		87,729	57,200	9,800	154,729
2 Drlg & Completion Over 5 Labor	rnead -	7,061 108,500	23,000	10,000	7,061 141,500
Proppant	=	100,000	240,602	10,000	240,602
5 Insurance	=	24,403			24,403
7 Contingency	_	93,247	86,269	5,968	185,485
9 Plugging & Abandonme	TOTAL INTANGIBLES >	1,958,195	1,904,655	65,648	3,928,498
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE Of Surface Casing	COSTS \$	9,590	COSTS \$	COSTS \$	COSTS 9,590
1 Intermediate Casing	Ψ_	69,726	Ψ	<u> </u>	69,726
2 Drilling Liner	<u>-</u>	-			-
3 Production Casing	_	178,275			178,275
4 Production Liner 5 Tubing	_			34,097	34,097
6 Wellhead	-	64,000		48,900	112,900
7 Packers, Liner Hangers	-	22,000	-	3,500	25,500
3 Tanks	<u>-</u>	-		-	-
9 Production Vessels	_	-		-	-
0 Flow Lines 1 Rod string	-				
2 Artificial Lift Equipment	-			80,000	80,000
3 Compressor	=	-			
4 Installation Costs		-		35,000	35,000
5 Surface Pumps	=	<u> </u>		5,000	5,000
6 Downhole Pumps 7 Measurement & Meter I1	nstallation _	-		4,950	4,950
8 Gas Conditioning/Dehy					
9 Interconnecting Facility	Piping			-	-
0 Gathering / Bulk Lines				-	-
1 Valves, Dumps, Controll 2 Tank / Facility Containm	_			-	-
2 Tank/Facility Containm 3 Flare Stack	-			-	
4 Electrical / Grounding	-	_		60,000	60,000
5 Communications / SCAL	_			-	-
6 Instrumentation / Safety				-	-
	TOTAL TANGIBLES >	343,590	0	271,447	615,036
	TOTAL COSTS >	2,301,785	1,904,655	337,095	4,543,534
'ARED BY Colgate Ene	rgv:				
Drilling Enginee			cm:		
Completions Enginee			CRM		
Production Enginee	er: Levi Harris				
ite Energy APPROVAI					
Co-CF		Co-CE	0	VP - Operation	ns
Co-Cr	WH	Co-CE	JW	vi - Operation	CRM
VP - Land & Leg	gal	VP - Geoscienc	*		
6	BG		SO		
OPERATING PARTN	ER APPROVAL:				
Company Nam	ne:		Working Interest (%):	Tax II	D:
Signed b	py:		Date:		
	•				_
Tit	la.		A manuarya la	Yes	No (mark one)

Colgate Energy 303 W. Wall St. , Midland TX 79701 Phone (432) 695-4257 • Fax (432) 695-4063

DATE: WELL NAME: LOCATION: COUNTY/STATE:	10/22/2021				
LOCATION:				AFE NO.:	0
	Bowie 30 State Com 132F	<u>I</u>			Vinchester; Bone Spri
OUNTY/STATE:	Parkway			MD/TVD:	13557 / 8150
	Eddy			LATERAL LENGTH:	5,080
Colgate WI:	0.00%			DRILLING DAYS:	18.83
GEOLOGIC TARGET:	3rd Bone Spring		1	COMPLETION DAYS:	11
REMARKS:	Drill and Complete 30 sta	ages in the 3rd Bone Sp	oring formation. AFE incl	ludes D&C, flowback & in	itial ESP install.
INTANGIBLE	COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
Land/Legal/Regulatory	\$	35,000	\$	\$	\$ 35,000
Location, Surveys & Damas	ges	150,000	13,000	10,000	173,000
Freight / Transportation		55,500	33,250	4 (40	88,750
Rental - Surface Equipmen Rental - Downhole Equipm		51,422 68,799	111,100 40,000	4,640	167,162 108,799
Rental - Living Quarters	•	33,517	40,100	5,200	78,817
Directional Drilling, Surv	eys	186,060			186,060
1 Drilling 2 Drill Bits		445,251 91,500			445,251 91,500
3 Fuel & Power	•	61,292	105,000		166,292
Cementing & Float Equip	•	155,000			155,000
6 Perforating, Wireline, Slic	_	-	133,250	8,000	141,250
7 High Pressure Pump Truc 3 Completion Unit, Swab, C		<u>-</u>	10,000 60,000	12,040	10,000 72,040
Mud Circulation System	.10	77,409	00,000	12,040	77,409
Mud Logging	•	18,012			18,012
2 Logging/Formation Evalu	ıation	5,290	8,000		13,290
3 Mud & Chemicals	•	78,228	152,000		230,228
4 Water 5 Stimulation	·	28,037	279,884 360,000		307,921 360,000
6 Stimulation Flowback & I	Disp	-	84,000		84,000
8 Mud/Wastewater Dispos		96,938	68,000		164,938
0 Rig Supervision / Enginee		87,729	57,200	9,800	154,729
2 Drlg & Completion Overh 5 Labor	eau	7,061 108,500	23,000	10,000	7,061 141,500
4 Proppant	•	200,000	240,602	10,000	240,602
5 Insurance	•	24,403			24,403
7 Contingency		93,247	86,269	5,968	185,485
9 Plugging & Abandonmen		-		45.440	-
	TOTAL INTANGIBLES >	1,958,195	1,904,655	65,648	3,928,498
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE C D Surface Casing		COSTS	COSTS	COSTS	COSTS
1 Intermediate Casing	\$ ₋	9,590 69,726	\$	\$	\$ 9,590 69,726
2 Drilling Liner	•	-			-
3 Production Casing	•	178,275			178,275
4 Production Liner	,	-		24.007	-
5 Tubing 6 Wellhead		64,000		34,097 48,900	34,097 112,900
7 Packers, Liner Hangers	•	22,000		3,500	25,500
8 Tanks	•	-		-	
9 Production Vessels	- -	-			-
0 Flow Lines 1 Rod string					
2 Artificial Lift Equipment	•			80,000	80,000
3 Compressor	•			-	
4 Installation Costs	- -	-		35,000	35,000
5 Surface Pumps 6 Downhole Pumps				5,000 4,950	5,000 4,950
7 Measurement & Meter Ins	stallation			-	-
Gas Conditioning/Dehyo				-	-
9 Interconnecting Facility P	iping			-	-
0 Gathering / Bulk Lines					
1 Valves, Dumps, Controlle 2 Tank / Facility Containme	_				
3 Flare Stack					
4 Electrical / Grounding	•			60,000	60,000
Communications / SCAD	A ,			-	-
6 Instrumentation / Safety	TOTAL TANGIBLES >	343,590	0	271,447	615,036
	TOTAL COSTS >	2,301,785	1,904,655	337,095	4,543,534
				201,000	7,5 20,60 2
PARED BY Colgate Energ					
Drilling Engineer			- CDD /		
Completions Engineer			CRM		
Production Engineer	: Levi Harris				
te Energy APPROVAL:					
)	Co-CI	EO	VP - Operation	
tte Energy APPROVAL:	TATE T	WD C	JW		CRM
Co-CEC	WH				
ate Energy APPROVAL: Co-CEC VP - Land & Lega		VP - Geoscieno	SO		
Co-CEC	1	vr - Geoscieni	SO		
Co-CEC VP - Land & Lega	BG	vr - Geoscieni	SO		
Co-CEC VP - Land & Lega	BG ER APPROVAL:			Tax l	ID:
Co-CEC VP - Land & Lega OPERATING PARTNE Company Name	BG ER APPROVAL:		Working Interest (%):	_ Tax l	D:
Co-CEC VP - Land & Lega OPERATING PARTNE	BG ER APPROVAL:			Tax l	D:

RECEIVED Apache Corp

DEC 07 2020

Via Certified Mail

December 4, 2020



Permian-Midland Land T. I.

Apache Corp. 303 Veterans Airpark Lane, Suite 1000 Midland, Texas 79705

E-MAILED DEC 0 7 2020

RE:

Black Jack 29 State Com Well Proposals

S/2 of Sec. 29 & S/2 Sec. 30, T19S-28E, Bone Spring Formation

Eddy County, New Mexico

To whom it may concern:

Colgate Production, LLC ("Colgate"), hereby proposes the drilling of four (4) wells, the Black Jack 29 State Com 123H, 124H, 133H, and 134H at the following approximate locations:

Black Jack 29 State Com 123H

SHL: To be located at a legal location in Units I/P of Section 29-19S-28E BHL: To be located at a legal location in Unit L3 Section 30-19S-28E

TVD: 7,455'

TMD: Approximately 17,655'
Targeted Interval: 2nd Bone Spring
Total Cost: See attached AFE

Black Jack 29 State Com 124H

SHL: To be located at a legal location in Units I/P of Section 29-19S-28E BHL: To be located at a legal location in Unit L4 of Section 30-19S-28E

TVD: 7.455'

TMD: Approximately 17,655'
Targeted Interval: 2nd Bone Spring
Total Cost: See attached AFE

Black Jack 29 State Com 133H

SHL: To be located at a legal location in Units I/P of Section 29-19S-28E BHL: To be located at a legal location in Unit L3 of Section 30-19S-28E

TVD: 8,630'

TMD: Approximately 18,830' Targeted Interval: 3rd Bone Spring Total Cost: See attached AFE

Black Jack 29 State Com 134H

SHL: To be located at a legal location in Units I/P of Section 29-19S-28E BHL: To be located at a legal location in Unit L4 of Section 30-19S-28E

TVD: 8,630'

TMD: Approximately 18,830'
Targeted Interval: 3rd Bone Spring
Total Cost: See attached AFE

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. N

Submitted by: Apache Corporation Hearing
Date: November 05, 2021

Case Nos. 21727-21730

The locations, TVD's, and targets are approximate and subject to change depending on surface or subsurface issues encountered. Colgate is proposing to drill these wells under the modified terms of the 1989 AAPL Operating Agreement and a form of said Operating Agreement will be forwarded to you following your receipt of your election to participate. The Operating Agreement will have the following general provisions:

- -100%/200%/200% non-consent provisions
- \$8,000/\$800 drilling and producing rates
- Colgate Operating, LLC named as Operator

Please indicate your election to participate in the drilling and completion of the proposed wells in the space provided below. Please sign and return one copy of this letter, a signed copy of the previously proposed AFE, and your geologic well requirements.

Colgate will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well, should we not reach an agreement within 30 days of the date of this letter. If you do not wish to participate Colgate would be interested in acquiring your interest in the subject lands.

If you have any questions regarding this matter, please give me a call at 432-257-3886 or via email at mhajdik@colgateenergy.com.

Sincerely,

Mark Hajdik

Mulfley.lik

Senior Landman

Colgate Energy 300 N. Marienfeld St. Suite 1000 Midland, TX 79701

Enclosures

Well Elections
_I/We hereby elect to participate in the Black Jack 29 State Com 123HI/We hereby elect NOT to participate in the Black Jack 29 State Com 123H.
_l/We hereby elect to participate in the Black Jack 29 State Com 124H. _l/We hereby elect NOT to participate in the Black Jack 29 State Com 124H.
_l/We hereby elect to participate in the Black Jack 29 State Com 133H. _l/We hereby elect NOT to participate in the Black Jack 29 State Com 133H.
_I/We hereby elect to participate in the Black Jack 29 State Com 134H. _I/We hereby elect NOT to participate in the Black Jack 29 State Com 134H.
Working Interest Owner:
Printed Name:
Date:

Colgate Energy 303 W. Wall St., Midland TX 79701 Phone (432) 695-4257 • Fax (432) 695-4063

71 Rod string 72 Artificial Lift Equipment				80,000	80,000
70 Flow Lines		- 1		•	-
69 Production Vessels				H = 5 H - 1	-
68 Tanks		-		-	-
67 Packers, Liner Hangers		22,000		3,500	25,500
65 Tubing 66 Wellhead	-	64,000		30,911 48,900	112,900
64 Production Liner		-		20.011	30,911
63 Production Casing		238,396			238,396
62 Drilling Liner					•
60 Surface Casing 61 Intermediate Casing	3_	9,590 69,726	5		69,726
TANGIBLE C	OSTS	COSTS	COSTS	COSTS	COSTS \$ 9,590
		DRILLING	COMPLETION	PRODUCTION	TOTAL
30 0	TOTAL INTANGIBLES >	2,042,761	3,332,080	65,648	5,440,48
99 Plugging & Abandonmen	t -		101/11	2,700	
95 Insurance 97 Contingency	-	97,274	154,242	5,968	257,484
54 Proppant		32,632	436,156		436,156 32,632
35 Labor		108,500	30,500	10,000	149,000
32 Drlg & Completion Overl		7,725			7,725
30 Rig Supervision / Enginee		95,975	79,600	9,800	185,375
28 Mud/Wastewater Dispos	-	96,938	63,000		159,938
25 Stimulation 26 Stimulation Flowback & I	Disp		94,000		94,000
24 Water		28,193	505,932 720,000		534,125 720,000
23 Mud & Chemicals		98,516	308,000		406,516
22 Logging / Formation Evalu	ation	6,494	8,000		14,494
21 Mud Logging	-	19,499			19,499
18 Completion Unit, Swab, C 20 Mud Circulation System	.10	83,144	150,000	12,040	83,144
17 High Pressure Pump Truc		-	10,000	12,040	10,000 162,040
16 Perforating, Wireline, Slic			260,750	8,000	268,750
14 Cementing & Float Equip		155,000			155,000
12 Drill Bits 13 Fuel & Power		67,053	210,000		277,053
11 Drilling 12 Drill Bits	_	475,824 81,000			475,824 81,000
10 Directional Drilling, Surv	eys	188,350			188,350
7 Rental - Living Quarters		35,546	45,700	5,200	86,446
6 Rental - Downhole Equipm		68,799	56,000		124,799
5 Rental - Surface Equipmen	<u> </u>	55,800	150,450	4,640	210,890
2 Location, Surveys & Dama 4 Freight / Transportation	ges	150,000 55,500	13,000 36,750	10,000	173,000 92,250
Land/Legal/Regulatory	\$	35,000	5	\$ 10,000	\$ 35,000
INTANGIBLE	COSTS	COSTS	COSTS	COSTS	COSTS
	stag	DRILLING	COMPLETION	PRODUCTION	TOTAL
REMARKS:	Drill and Complete 60 stag	es in the 2nd Bone St	oring formation. AFE incl	udes D&C, flowback &	initial ESP install
GEOLOGIC TARGET:	2nd Bone Spring		(COMPLETION DAYS:	16
Colgate WI:	0.00%			DRILLING DAYS:	20,6
COUNTY/STATE:	Eddy			LATERAL LENGTH:	10,360
LOCATION:	Parkway			MD/TVD:	18129 / 7442
	Black Jack 29 State Com 12	3H			nchester; Bone Sprir
VELL NAME:	12/3/2020			AFE NO.:	0

PREPARED BY Colgate Energy:

Drilling Engineer: Steven Segrest
Completions Engineer: Brudy Adams
Released to Imaging Advised 2021 4:45:35 PM

Colgate Energy 303 W. Wall St., Midland TX 79701 Phone (432) 695-4257 • Fax (432) 695-4063

DATE:	12/3/2020			AFE NO.:	0
	Black Jack 29 State Com 12	MI-I			inchester; Bone Sprin
	Parkway			MD/TVD:	18129 / 7442
	Eddy			the second secon	· ·
	0.00%			LATERAL LENGTH:	10,360
				DRILLING DAYS:	20,6
GEOLOGIC TARGET:	2nd Bone Spring			COMPLETION DAYS:	16
REMARKS:	Drill and Complete 60 stag	ges in the 2nd Bone Sp	oring formation. AFE inc	ludes D&C, flowback &	initial ESP install.
INTANGIBLE CO	nete	DRILLING COSTS	COMPLETION	PRODUCTION COSTS	TOTAL
1 Land/Legal/Regulatory	\$	35,000	\$	\$	\$ 35,000
2 Location, Surveys & Damage		150,000	13,000	10,000	173,000
4 Freight/Transportation	1	55,500	36,750		92,250
5 Rental - Surface Equipment	Constitution	55,800	150,450	4,640	210,890
6 Rental - Downhole Equipme	nt	68,799	56,000		124,799
7 Rental - Living Quarters		35,546	45,700	5,200	86,446
10 Directional Drilling, Survey	75	188,350			188,350
11 Drilling		475,824			475,824
12 Drill Bits 13 Fuel & Power	_	81,000	210,000		81,000
13 Fuel & Power 14 Cementing & Float Equip	_	67,053 155,000	210,000		277,053 155,000
16 Perforating, Wireline, Slick	line	155,000	260,750	8,000	268,750
17 High Pressure Pump Truck	-	-	10,000		10,000
18 Completion Unit, Swab, CT	υ –	3.0	150,000	12,040	162,040
20 Mud Circulation System		83,144			83,144
21 Mud Logging		19,499			19,499
22 Logging/Formation Evalua	tion	6,494	8,000	MILL AND MAKE	14,494
23 Mud & Chemicals		98,516	308,000		406,516
24 Water		28,193	505,932		534,125
25 Stimulation	_	•	720,000		720,000
26 Stimulation Flowback & Di		00.028	94,000		94,000
28 Mud/Wastewater Disposal		96,938 95,975	63,000 79,600	9,800	159,938 185,375
30 Rig Supervision / Engineeri 32 Drlg & Completion Overhe		7,725	79,000	7,000	7,725
35 Labor	_	108,500	30,500	10,000	149,000
54 Proppant		100,000	436,156	10,000	436,156
95 Insurance		32,632			32,632
97 Contingency	T	97,274	154,242	5,968	257,484
99 Plugging & Abandonment	and the Table 1	A RU			
	TOTAL INTANGIBLES >	2,042,761	3,332,080	65,648	5,440,489
TANGIBLE CO	STS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	S	9,590	S	S	\$ 9,590
61 Intermediate Casing	,	69,726			69,726
62 Drilling Liner	<u>-</u>	11-			-
63 Production Casing	, <u>.</u>	238,396			238,396
64 Production Liner		-		30.911	20.011
65 Tubing 66 Wellhead	_	64,000		48,900	30,911 112,900
67 Packers, Liner Hangers	_	22,000		3,500	25,500
68 Tanks		-			- 25,500
69 Production Vessels		-		-	-
70 Flow Lines		-		1 1 2 2 -	
71 Rod string	_				-
72 Artificial Lift Equipment		•		80,000	80,000
73 Compressor					
74 Installation Costs				35,000	35,000
75 Surface Pumps	·			5,000	5,000
76 Downhole Pumps	- United	-		4,950	4,950
77 Measurement & Meter Insta		or real to			
78 Gas Conditioning / Dehydr. 79 Interconnecting Facility Pip	_				
80 Gathering / Bulk Lines					-
81 Valves, Dumps, Controllers	- III - III - III -				•
82 Tank / Facility Containmen	_		-	•	-
83 Flare Stack				-	
84 Electrical / Grounding		200		60,000	60,000
85 Communications / SCADA			45-5		
86 Instrumentation / Safety					F=1
	TOTAL TANGIBLES >	403,712	0	268,261	671,97

PREPARED BY Colgate Energy:

Drilling Engineer: Steven Segrest Completions Engineer: Brady Adams
Released to Imaging: 11/4/2021 444535 PM

Colgate Energy 303 W. Wall St. , Midland TX 79701 Phone (432) 695-4257 • Fax (432) 695-4063

DATE;	12/3/2020		PRIZATION FOR EXPEND	AFE NO.:	0
	Black Jack 29 State Com 13	1211			inchester; Bone Spring
-		5517			
_	Parkway			MD/TVD:	19339 / 8652
-	Eddy			LATERAL LENGTH:	10,360
-	0.00%			DRILLING DAYS:	23,25
GEOLOGIC TARGET:	3rd Bone Spring			COMPLETION DAYS:	16
REMARKS:	Drill and Complete 60 stag	ges in the 3rd Bone Sp	oring formation. AFE inc	ludes D&C, flowback & i	initial ESP install.
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE CO		COSTS	COSTS	COSTS	COSTS
1 Land/Legal/Regulatory	\$	35,000	\$	5	\$ 35,000
2 Location, Surveys & Damage 4 Freight / Transportation	_	150,000 55,500	13,000 36,750	10,000	173,000 92,250
5 Rental - Surface Equipment		62,354	150,450	4,640	217,444
6 Rental - Downhole Equipmen	nt –	68,799	56,000	1,010	124,799
7 Rental - Living Quarters	-	38,583	45,700	5,200	89,483
10 Directional Drilling, Survey	5	237,200			237,200
11 Drilling		521,597			521,597
12 Drill Bits		112,500			112,500
13 Fuel & Power		75,679	210,000		285,679
14 Cementing & Float Equip	<u>-</u>	155,000			155,000
16 Perforating, Wireline, Slickl	ine	ti ti	260,750	8,000	268,750
17 High Pressure Pump Truck	_		10,000	48.610	10,000
18 Completion Unit, Swab, CT 20 Mud Circulation System	_	91,730	150,000	12,040	162,040
21 Mud Logging	-	21,725			91,730 21,725
22 Logging / Formation Evaluation	tion _	8,296	8,000		16,296
23 Mud & Chemicals	-	106,356	308,000		414,356
24 Water	-	28,426	543,228		571,654
25 Stimulation	_	-	720,000		720,000
26 Stimulation Flowback & Dis	ip —	-	94,000		94,000
28 Mud/Wastewater Disposal		96,938	73,000		169,938
30 Rig Supervision / Engineering		108,322	79,600	9,800	197,722
32 Drig & Completion Overhea	ıd	8,719			8,719
35 Labor	_	108,500	30,500	10,000	149,000
54 Proppant 95 Insurance	_	34,810	490,676		490,676 34,810
97 Contingency		106,302	159,333	5,968	271,602
99 Plugging & Abandonment		100,502	137,333	3,700	
	TOTAL INTANGIBLES >	2,232,334	3,438,986	65,648	5,736,968
TANGIBLE CO	STS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	\$	9,590	\$	5	\$ 9,590
61 Intermediate Casing		69,726			69,726
62 Drilling Liner	_	-			
63 Production Casing	_	254,308			254,308
64 Production Liner 65 Tubing	_	<u> </u>		27.257	36,356
66 Wellhead	-	64,000		36,356 48,900	112,900
67 Packers, Liner Hangers	-	22,000		3,500	25,500
68 Tanks	-	-		-	-
69 Production Vessels	_	-		-	
70 Flow Lines		-			-
71 Rod string				-	-
72 Artificial Lift Equipment		-		80,000	80,000
73 Compressor		•			11 at - 1
74 Installation Costs		-	<u> </u>	35,000	35,000
75 Surface Pumps		-		5,000	5,000
76 Downhole Pumps	Net	•		4,950	4,950
77 Measurement & Meter Insta		-		-	
78 Gas Conditioning / Dehydra 79 Interconnecting Facility Pini	_			-	-
79 Interconnecting Facility Pip 80 Gathering / Bulk Lines				-	
81 Valves, Dumps, Controllers	-			-	
82 Tank / Facility Containment				- 2	-
83 Flare Stack	-				1041
84 Electrical / Grounding				60,000	60,000
85 Communications / SCADA					17.2
86 Instrumentation / Safety					
	TOTAL TANCIBLES	410.000	0	273,706	693,329
	TOTAL TANGIBLES >	419,623	U	213,100	0,5,52,5

PREPARED BY Colgate Energy:

Drilling Engineer: Steven Segrest Completions Engineer: Brady Adams
Released to Imaging: 11/4/2021 445:35 PM

Colgate Energy 303 W. Wall St. , Midland TX 79701 Phone (432) 695-4257 • Fax (432) 695-4063

DATE: 1	2/3/2020	ADITATION ADITAC	DRIZATION FOR EXPEND	AFE NO.:	0
	lack Jack 29 State Com 13	AH			
		711			nchester; Bone Spring
_	arkway			MD/TVD:	19339 / 8652
COUNTY/STATE:				LATERAL LENGTH:	10,360
Colgate WI:	10 0			DRILLING DAYS:	23,25
GEOLOGIC TARGET: 3:	rd Bone Spring			COMPLETION DAYS:	16
REMARKS: D	rill and Complete 60 stag	ges in the 3rd Bone Sp	oring formation. AFE incl	udes D&C, flowback & i	nitial ESP install.
INTERNICIPATE CO.	o.T.o	DRILLING COSTS	COMPLETION	PRODUCTION COSTS	TOTAL
INTANGIBLE CO. 1 Land/Legal/Regulatory	\$15	35,000	COSTS	\$	COSTS \$ 35.000
2 Location, Surveys & Damages	3 _	150,000	13,000	10,000	\$ 35,000 173,000
4 Freight / Transportation	-	55,500	36,750	10,000	92,250
5 Rental - Surface Equipment	****	62,354	150,450	4,640	217,444
6 Rental - Downhole Equipment	_	68,799	56,000		124,799
7 Rental - Living Quarters		38,583	45,700	5,200	89,483
10 Directional Drilling, Surveys		237,200			237,200
11 Drilling		521,597			521,597
12 Drill Bits		112,500			112,500
13 Fuel & Power		75,679	210,000		285,679
14 Cementing & Float Equip	_	155,000	240 860	0.000	155,000
16 Perforating, Wireline, Slickli 17 High Pressure Pump Truck		-	260,750	8,000	268,750
18 Completion Unit, Swab, CTU	_	-	10,000 150,000	12,040	10,000 162,040
20 Mud Circulation System	-	91,730	130,000	12,040	91,730
21 Mud Logging		21,725			21,725
22 Logging / Formation Evaluati	on	8,296	8,000		16,296
23 Mud & Chemicals		106,356	308,000		414,356
24 Water		28,426	543,228		571,654
25 Stimulation		-	720,000		720,000
26 Stimulation Flowback & Disp			94,000		94,000
28 Mud/Wastewater Disposal		96,938	73,000		169,938
30 Rig Supervision / Engineerin		108,322	79,600	9,800	197,722
32 Drlg & Completion Overhead 35 Labor		8,719	20 500	10.000	8,719
54 Proppant	_	108,500	30,500	10,000	149,000
95 Insurance	_	34,810	490,676		490,676 34,810
97 Contingency	_	106,302	159,333	5,968	271,602
99 Plugging & Abandonment		-	107,000	3,700	-
1	OTAL INTANGIBLES >	2,232,334	3,438,986	65,648	5,736,968
TANGIBLE COS	rs	DRILLING COSTS	COMPLETION	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	S	9,590	\$	S	\$ 9,590
61 Intermediate Casing		69,726			69,726
62 Drilling Liner	_				*
63 Production Casing	_	254,308			254,308
64 Production Liner 65 Tubing	_			36,356	36,356
66 Wellhead	_	64,000		48,900	112,900
67 Packers, Liner Hangers	_	22,000		3,500	25,500
68 Tanks	—	-			
69 Production Vessels	_	-		-	-
70 Flow Lines	_	-		-	-
71 Rod string		-			
72 Artificial Lift Equipment				80,000	80,000
73 Compressor					-
74 Installation Costs	_			35,000	35,000
75 Surface Pumps		•		5,000	5,000
76 Downhole Pumps		•		4,950	4,950
77 Measurement & Meter Install		-		-	-
78 Gas Conditioning / Dehydrat 79 Interconnecting Facility Pipin	_				-
80 Gathering / Bulk Lines	_				
81 Valves, Dumps, Controllers					-
B2 Tank / Facility Containment	_			•	-
83 Flare Stack	_				
84 Electrical / Grounding	_			60,000	60,000
85 Communications / SCADA					
86 Instrumentation / Safety				3	2
				272 707	COR 200
	TOTAL TANGIBLES >	419,623	0	273,706	693,329

PREPARED BY Colgate Energy:

Drilling Engineer: Steven Segrest Completions Engineer: Brody Adams
Released to Imagings 14/442021.4:45:35 PM





Permian-Midland Land T. I.

Via Certified Mail

March 5, 2021



Apache Corp.

303 Veterans Airpark Lane, Suite 1000 Midland, Texas 79705

RE: Buckhorn 29 State Com Well Proposals

N/2 of Sec. 29 & N/2 Sec. 30, T19S-28E, Bone Spring Formation

Eddy County, New Mexico

To whom it may concern:

Colgate Production, LLC ("Colgate"), hereby proposes the drilling of four (4) wells, the Buckhorn 29 State Com 121H, 122H, 131H, and 132H at the following approximate locations:

Buckhorn 29 State Com 121H

SHL: To be located at a legal location in Units A/H of Section 29-19S-28E BHL: To be located at a legal location in Unit L1 Section 30-19S-28E

TVD: 7,000'

TMD: Approximately 17,360'
Targeted Interval: 2nd Bone Spring
Total Cost: See attached AFE

Buckhorn 29 State Com 122H

SHL: To be located at a legal location in Units A/H of Section 29-19S-28E BHL: To be located at a legal location in Unit L2 of Section 30-19S-28E

TVD: 7,000°

TMD: Approximately 17,360'
Targeted Interval: 2nd Bone Spring
Total Cost: See attached AFE

Buckhorn 29 State Com 131H

SHL: To be located at a legal location in Units A/H of Section 29-19S-28E BHL: To be located at a legal location in Unit L1 of Section 30-19S-28E

TVD: 8,200'

TMD: Approximately 18,560'
Targeted Interval: 3rd Bone Spring
Total Cost: See attached AFE

Buckhorn 29 State Com 132H

SHL: To be located at a legal location in Units A/H of Section 29-19S-28E BHL: To be located at a legal location in Unit L2 of Section 30-19S-28E

TVD: 8,000'

TMD: Approximately 18,560'
Targeted Interval: 3rd Bone Spring
Total Cost: See attached AFE

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. O
Submitted by: Apache Corporation Hearing
Date: November 05, 2021
Case Nos. 21727-21730

The locations, TVD's, and targets are approximate and subject to change depending on surface or subsurface issues encountered. Colgate is proposing to drill these wells under the modified terms of the 1989 AAPL Operating Agreement and a form of said Operating Agreement will be forwarded to you following your receipt of your election to participate. The Operating Agreement will have the following general provisions:

- -100%/200%/200% non-consent provisions
- \$8,000/\$800 drilling and producing rates
- Colgate Operating, LLC named as Operator

Please indicate your election to participate in the drilling and completion of the proposed wells in the space provided below. Please sign and return one copy of this letter, a signed copy of the previously proposed AFE, and your geologic well requirements.

Colgate will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well, should we not reach an agreement within 30 days of the date of this letter. If you do not wish to participate Colgate would be interested in acquiring your interest in the subject lands.

If you have any questions regarding this matter, please give me a call at 432-257-3886 or via email at mhajdik@colgateenergy.com.

Sincerely,

Mustly Lin

Mark Hajdik Senior Landman

Colgate Energy 300 N. Marienfeld St. Suite 1000 Midland, TX 79701

Enclosures

Well Elections
I/We hereby elect to participate in the Buckhorn 29 State Com 121HI/We hereby elect NOT to participate in the Buckhorn 29 State Com 121H.
I/We hereby elect to participate in the Buckhorn 29 State Com 122HI/We hereby elect NOT to participate in the Buckhorn 29 State Com 122H.
I/We hereby elect to participate in the Buckhorn 29 State Com 131HI/We hereby elect NOT to participate in the Buckhorn 29 State Com 131H.
I/We hereby elect to participate in the Buckhorn 29 State Com 132HI/We hereby elect NOT to participate in the Buckhorn 29 State Com 132H.
Working Interest Owner:

Printed Name: _____

Date:

Colgate Energy
303 W. Wall St., Midland TX 79701
Phone (432) 695-4257 • Fax (432) 695-4063
OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	3/1/2021			AFE NO.:	0
WELL NAME:	Buckhorn 29 State Com	121H			chester; Bone Spring
LOCATION:	Parkway			MD/TVD:	17,360/7,000
COUNTY/STATE:	Eddy			LATERAL LENGTH:	10,360
Colgate WI:	0.00%			DRILLING DAYS:	20.6
GEOLOGIC TARGET:	2nd Bone Spring			COMPLETION DAYS:	16
REMARKS:	Drill and Complete 60 -	lages in the 2nd Rona	Spring formation AFF in	ludes D&C, flowback & init	ial ESP install
nemnaka:	Drin arki Compiete 60 st				
INTANGIBLE	costs	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land/Legal/Regulatory		35,900	\$	5	35,000
2 Location, Surveys & Dama	ges	150,000	13,000	10,000	173,000
4 Freight/Transportation	Ť.	55,500	36,750		92,250
5 Rental - Surface Equipmer	t	55,800	150,450	4,640	210,890
6 Rental - Downhole Equips		68,799	56,000		124,799
7 Rental - Living Quarters		35,546	45,700	5,200	86,446
10 Directional Drilling, Surv	eys	188,350			188,350
11 Drilling		475,824			475,824
12 Drill Bits		81,000			81,000
13 Fuel & Power		67,053	210,000		277,053
14 Cementing & Float Equip		155,000			155,000
16 Perforating, Wireline, Slice	kline		260,750	8,000	268,750
17 High Pressure Pump True		•	10,000		10,000
18 Completion Unit, Swab, (.TU		150,000	12,040	162,040
20 Mud Circulation System		83,144			83,144
21 Mud Logging		19,499			19,499
22 Logging / Formation Eval	aation	6,494	8,000		14,494
23 Mud & Chemicals		98,516	308,000		406,516
24 Water		28,193	505,932		534,125
25 Stimulation	D.		720,000		720,000
26 Stimulation Flowback &		0/ 034	94,000		94,000
28 Mud/Wastewater Dispos		96,938	63,000	A MAN	159,938
30 Rig Supervision / Engine		95,975	79,600	9,800	185,375
32 Drig & Completion Over	lead	7,725	*	49.500	7,725
35 Labor		108,500	30,500	18,000	149,000
54 Proppant		32,632	436,156		436,156 32,632
95 Insurance 97 Contingency		97,274	154,242	5,968	257,484
99 Plugging & Abandonmer	ıt	- 77,274	137,414	J,700	237,404
** * ** ** PP P ar versamment			2.555.000		
	TOTAL INTANGIBLES >	2,042,761	3,332,080	65,648	5,440,489
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE O	osts	COSTS	COSTS	COSTS	COSTS
60 Surface Casing		9,590	\$	5	9,590
61 Intermediate Casing	•	69,726			69,726
62 Drilling Liner					-
63 Production Casing		238,396			238,396
64 Production Liner					¥()
65 Tubing				30,911	30,911
66 Wellhead		64,000		48,900	112,900
67 Packers, Liner Hangers		22,000	-	3,500	25,500
68 Tanks				*0.	54
69 Production Vessels					*
70 Flow Lines				B	6 31
71 Rod string					A
72 Artificial Lift Equipment				80,000	80,000
73 Compressor		-		25,000	25 000
74 Installation Costs		•		35,000	35,000
75 Surface Pumps				5,000	5,000
76 Downhole Pumps	etallation	-		4,950	4,950
77 Measurement & Meter In				-	
78 Gas Conditioning / Dehy					77
79 Interconnecting Facility F	hmg				
80 Gathering / Bulk Lines 81 Valves Dumps Controlle	rtrs.				
81 Valves, Dumps, Controlle 82 Tank / Facility Containme				-	
83 Flare Stack	210				
84 Electrical / Grounding				60,000	60,000
85 Communications/SCAD	A			00,000	
86 Instrumentation / Safety				6,3	*:
	TOTAL TANGIBLES >	403,712		268,261	671,972
	TOTAL COSTS >		3,332,060	333,909	6,112,461
	101UF C0312 x	4,770,273	3,334,000	333,707	9,114,103
EPARED BY Colgate Ener	ev:		`		
Drilling Enginee	n Steven Segrest				
Completions Enginee			CRM		
Production Enginee	•		**		
8,111					
leste Energy Approvat					
lgate Energy APPROVAL					
Co-CE)	Ca	CEO	VP - Operation	•
Co-CB	WH	£0-	——————————————————————————————————————	41 - Operation	CRM
		im o	• • •		CKM
Ub linder		VP - Geoscie			
VP - Land & Leg	BG		50		
VP - Land & Leg.					
VP - Land & Leg.					
VP - Land & Leg.					
	en annocetat.				
ON OPERATING PARTN					
			Working Interest (%):	Tax FD	1:
ON OPERATING PARTNI Company Name	n		-	Tax ID):
ON OPERATING PARTN	n		Working Interest (%):	Tax ED):
ON OPERATING PARTNI Company Name	n		-	Tax ED): No (mark one)

Colgate Energy

	ESTIMATE	Phone (432) 695-4257 OF COSTS AND AUTH	• Fax (432) 695-4063 IORIZATION FOR EXPEND	OITURE	
DATE:	3/1/2021			AFE NO.:	0
WELL NAME:	Buckhorn 29 State Com	122H		FIELD: W	inchester; Bone Spring
LOCATION:	Parkway		7.	MD/TVD:	17,360 / 7000
COUNTY/STATE:	Eddy			LATERAL LENGTH:	10,360
Colgate WI:	0.00%			DRILLING DAYS:	20.6
GEOLOGIC TARGET:	2nd Bone Spring			COMPLETION DAYS:	16
temarks:	Drill and Complete 60 st	tages in the 2nd Bone:	Spring formation. AFE in	cludes D&C, flowback & i	initial ESP install.
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE CO	osts	COSTS	costs	COSTS	COSTS
Land/Legal/Regulatory	3		5	- · §	\$ 35,000
Location, Surveys & Damage.	3	150,000	13,000 36,750	10,000	173,000 92,250
Freight / Transportation Rental - Surface Equipment		55,500 55,800	150,450	4,640	210,890
Rental - Downhole Equipmen	πt	68,799	56,000	4,010	124,799
Rental - Living Quarters		35,546	45,700	5,200	86,446
O Directional Drilling, Survey	5	188,350			188,350
1 Drilling 2 Drill Bits		475,824 81,000			475,824 81,900
2 Drill Bits 3 Fuel & Power		67,053	210,000		277,053
4 Cementing & Float Equip		155,000	210,000		155,000
6 Perforating, Wireline, Slickl	ine		260,750	8,000	268,750
7 High Pressure Pump Truck		253	10,000		10,000
B Completion Unit, Swab, CT	บ	0.40	150,000	12,040	162,040
Mud Circulation System Mud Locaina		83,144 19,499			83,144 19,499
1 Mud Logging 2 Logging/Formation Evalua	noid	6,494	8,000		14,494
3 Mud & Chemicals		98,516	308,000		406,516
4 Water		28,193	505,932		534,125
5 Stimulation		(8)	720,000		720,000
6 Stimulation Flowback & Di	sp	*	94,000		94,000
8 Mud/Wastewater Disposal 0 Rig Supervision/Engineeri		96,938 95,975	63,000 79,600	9,800	159,938 185,375
2 Drig & Completion Overhea		7,725	72,000	7,000	7,725
5 Labor		108,500	30,500	10,600	149,000
4 Proppant			436,156		436,156
5 Insurance		32,632			32,632
7 Contingency		97,274	154,242	5,968	257,484
9 Plugging & Abandonment	TOTAL INTANGIBLES	2,012,761	3,332,080	65,648	5,440,489
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE CO	STS	COSTS	COSTS	COSTS	COSTS
0 Surface Casing		9,590	5	5	S 9,590
1 Intermediate Casing		69,726			69,726
2 Drilling Liner 3 Production Casing		238,396			238,3%
4 Production Liner		- 20,370			-
i5 Tubing		-		30,911	30,911
i6 Wellhead		64,000		48,900	112,900
7 Packers, Liner Hangers		22,000	•	3,500	25,500
8 Tanks 9 Production Vessels					
7) Flow Lines					-
1 Rod string					-
2 Artificial Lift Equipment				80,000	80,000
3 Compressor		-			-
4 Installation Costs				35,000 5,000	35,000 5,000
'5 Surface Pumps '6 Downhole Pumps				4,950	4,950
7 Measurement & Meter Insta	illation				
8 Gas Conditioning / Dehydr				-	.70
9 Interconnecting Facility Pip	ing			*	(A)
O Gathering / Bulk Lines				-	-
1 Vaives, Dumps, Controllers 2 Tank / Facility Containment					
3 Flare Stack	•			-	-
4 Electrical/Grounding				60,000	60,000
5 Communications / SCADA				20	-
6 Instrumentation/Safety	THE PART OF THE PA			248.243	673.073
	TOTAL TANGIBLES:		3,332,080	268,261 333,909	671,972 6,112,461
	TOTAL COSTS	2,710,113	3,334,000	3,33,707	0,114,101
PARED BY Colgate Energy	y:		<u></u>		
Drilling Engineer:	Steven Segrest				
Completions Engineer:	Brady Adams		CRM		
Production Engineer:	Levi Harris				
ate Energy APPROVAL:			 		
Co-CEO		Co-	CEO	VP - Operat	
•	WH		rw		CRM
VP - Land & Legal		VP - Geoscie			
	BG		\$O		
OPERATING PARTNER	APPROVAL:				7.00
Company Name:			Working Interest (%):	Ta:	k ID:
Signed by:					_
Title:			Annenval: [T) Yes [□ No (mark one)

Testioning, legal, tractions, regulators; it is already and multi-cub under the trace and general habitity increases unless participant growth Cyroster or residency and solution properties for the cyroster of residency and solution

Colgate Energy 303 W. Wall St., Midland TX 79701 Phone (432) 695-4257 • Fax (432) 695-4063

MATE Marchan		ESTIMATE (OF COSTS AND AUTHO	RIZATION FOR EXPEN	DITURE	
MELLA MARSE Parkaway Faring Fa	DATE:	3/1/2021			AFE NO.:	0
CONDITION Entry			131H		FIELD: W	inchester; Bone Spring
Confection Co	LOCATION: 1	Parkway			MD/TVD:	18,560 / 8,200
Congrist Open	COUNTY/STATE: 1	Eddy			LATERAL LENGTH:	10,360
RICHARDES Della and Complete 60 stages in the 3rd Rore Spring formation. AEE seclated DuC. (Browlook & transit SEP treating SEP tre	_				DRILLING DAYS:	23.25
Definition De	_	3rd Bone Spring			COMPLETION DAYS:	16
MYLANGIBLE COSTS	-					
BITANCIBLE COSTS	REMARKS:	Drill and Complete 60 st	ages in the 3rd Bone Sp	oring formation. AFE ir	scludes D&C, flowback & i	nitial ESP install.
1 1 1 1 1 1 1 1 1 1	INTANGIBLE CO	osts				COSTS
A trighty / Transportation \$5,500 \$5,500 \$2,500 \$2,500 \$1,500		Ś			*	
Serend - Service Sequences \$2.551 \$5.055 \$4.66 \$17.741 \$7.741 \$7.641 \$7.741 \$7.641 \$7.741 \$7.641		5			10,000	
Serontal - Domebular Equipment 30,797 50,000 132,797 172,100 17					4,640	
10 Directional Diffulling, Surveys		nt				
13 Delilligh				45,700	5,200	
12 Drill Bis		5				
13 Fart A Pemer						
14. Crementing & Float Equip Ferfevoring, Willers, Sickline		7		216.000		
18 Perforation Witchen, Silefaline				210,000		
17 Ligh Pressur Pump Track		ine		260,750	8,000	
20 Med Legaling 91,736 91,736 12,735 12,125 1			1100	10,000		
22 Mod Loggling		บ		150,000	12,040	
22 Logging / Formation Perhastron 5.5% 5.500 16.396 16.395 34 Water 78.405 78.205 34 Water 78.405 78.205 34 Water 78.405 78.205 35 Water 78.205 78.20						
23 Must at Chemicals 160,355 350,600 414,155 150,151 1		tion		μ 000		
24 Water						
25 Shinukalation Howbark & Diop						
23 Maid / Masterviter Disposal 59,938 73,000 109,732	25 Stimulation			720,000		720,000
30 Nig Seperation Engineering 193,322 73,600 39,00 197,722 15 Labor 100,000 145,000 1						
13.Didg & Campletion Overhead 679 18350 33,500 18,000 149,000					0.000	
\$15 Labor					9,800	
Montpopular		IU.			10.000	
			100,000			
Playing			34,810			34,810
TOTALINTANGIBLES	97 Contingency		106,302	159,333	5,968	271,602
TANGIBLE COSTS	99 Plugging & Abandonment					
TANGBLECOTIS COSTS COSTS COSTS COSTS		TOTAL INTANGIBLES>				
Signate Casing S 3590 S S 3,590	TANGIBLECO	STS		-		
25 Drilling Liner					\$	\$ 9,590
251,308 251,	61 Intermediate Casing		69,726			69,726
56 Production Liner	**		<u> </u>			-
S. Tabling	2.0					254,308
56 Wellhead					36 356	36 356
			64.000			
88 Tanks						
79 Flow Lines					(8)	(A)
7.1 Rod string						
72 Artificial Life Equipment			•		26	
73 Compressor					90,000	90 000
74 Installation Costs						
76 Downhole Pumps	100 ·		-		35,000	35,000
77 Measurement & Meter Installation	75 Surface Pumps		•			
78 Cas Conditioning/Dehydatation 79 Interconnecting Facility Piping 80 Gethering/ Bulk Lines 81 Valves, Dumps, Controllers 81 Valves, Dumps, Controllers 81 Fars Stack 84 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safety TOTAL TANGIBLES > 419,623 0 273,706 693,329 TOTAL COSTS > 2,651,957 3,438,966 339,354 6,430,297 EPARED BY Colgate Energy: Drilling Engineer: Completions Engineer: Brady Adams CRM VP - Curl Harris Co-CEO VP - Operations BG VP - Geosciences BG VP - Geosciences DN OPERATING PARTNER APPROVAL: Company Name: Working Interest (%): Tax ID: Signed by: Date: Title: Approval: Yes \ No (mark one)						
79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 80 Gathering / Bulk Lines 81 Vaive, Dumps, Controllers 82 Tank/ Facility Containment 83 Tank/ Facility Containment 84 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safety TOTAL TANGIBLES > 419,623 0 273,706 693,329 TOTAL COSTS > 2,651,957 3,438,986 339,354 6,430,297 EPARED BY Colgate Energy: Drilling Engineer: Scown Segrest Completions Engineer: Parky Adams CRM Production Engineer: Levi Harin Co-CEO COCCO VP - Operations WH VP - Geosciences BG SO ON OPERATING PARTNER APPROVAL: Company Name: Working Interest (%): Tax ID: Signed by: Date: Title: Approval: Yes No (mark one)					-	
### Secretary Scale ### Secretary ### Secr						
81 Valves, Dumps, Controllers 82 Tank / Facility Containment 83 Flare Stark 84 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safety TOTAL TANGIBLES > 419,623		0				
## Approval:						14.
## Electrical / Grounding ## 60,000					*	
85 Communications / SCADA 86 Instrumentation / Safety TOTAL TANGIBLES > 419,623					*	7+1
See					60,000	60,000
TOTAL TANGIBLES 419,623	· ·					
TOTAL COSTS	or independent out of the	TOTAL TANGIBLES >	419,623	0		693,329
Drilling Engineer: Steven Segrest Brady Adams CRM Production Engineer: Levi Harris Production Engineer: Production Engineer: Production Engineer: Production Engineer: Levi Harris Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Producti				3,438,986		6,430,297
Drilling Engineer: Steven Segrest Brady Adams CRM Production Engineer: Levi Harris Production Engineer: Production Engineer: Production Engineer: Production Engineer: Levi Harris Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Production Engineer: Producti					-	
Completions Engineer: Froduction Engineer: Levi Harris Co-CEO	EPARED BY Colgate Energy	y:				
Completions Engineer: Froduction Engineer: Levi Harris Co-CEO	Drilling Engineer:	Sleven Segrest				
Production Engineer Levi Harris Levi H				CRM		
Co-CEO	Production Engineer:	Levi Harris				
Co-CEO	leste Engan, Approxist			-		
WH VP - Land & Legal WH VP - Geosciences SO SO	Igate Energy APPROVAL			<u> </u>		
VP - Land & Legal VP - Geosciences BG SO ON OPERATING PARTNER APPROVAL: Company Name: Working Interest (%): Tax ID:	Co-CEO		Ço-Ç		VP - Opera	
DON OPERATING PARTNER APPROVAL: Company Name: Working Interest (*): Tax ID:		WH		***		CRM
DN OPERATING PARTNER APPROVAL: Company Name: Working Interest (%): Tax ID:	VP - Land & Legal	20	VP - Geoscien			
Company Name: Working Interest (%): Tax ID: Signed by: Date:		in.		3.0		
Company Name: Working Interest (%): Tax ID: Signed by: Date:						
Company Name: Working Interest (%): Tax ID: Signed by: Date:	ON OPERATING PARTNER	APPROVAL:				
Signed by: Date: Title: Approval: Yes No (mark one)				Working Internet (%)	т.	x ID:
Title: Approval: Yes No (mark one)	Company Name:			Armenik miesest (w);		
Title: Approval: Yes No (mark one)	Signed by:			Date:		
				-		The Man describers of
nto any then ATE are replanted many and many man the constraint an contage and many procede man or the contact cost of the propert. Taking installations approved under the ATE may be delayed up to a year after the world has been completed. In our cample and the contenting this ATE, the Posterspent approved to the properties of the properties of the content of the	-					

Colgate Energy
303 W. Wall St., Midland TX 79701
Phone (432) 695-4257 • Fax (432) 695-4063
F COSTS AND AUTHORIZATION FOR E

	ESTIMATE	OF COSIS AND AUTIC	MIZATION FOR EXPENI		
DATE:	3/1/2021			AFE NO.:	0
WELL NAME:	Buckhorn 29 State Com	132H		FIELD:	Winchester; Bone Spring
LOCATION:	Parkway			MD/FVD:	18,560 / 8,200
COUNTY/STATE:				LATERAL LENGTH:	10,360
Colgate WI:				DRILLING DAYS:	23.25
•	2nd Pana Carring				16
GEOLOGIC TARGET:	3rd Bone Spring		112	COMPLETION DAYS:	10
REMARKS:	Drill and Complete 60 st	ages in the 3rd Bone Sp	oring formation. AFE in	cludes D&C, flowback	& initial ESP install.
		<u> </u>			
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE	COSTS	COSTS	COSTS	COSTS	COSTS
1 Land/Legal/Regulatory		35,000	5	5	\$ 35,000
2 Location, Surveys & Damag	es	150,000	13,000	10,000	173,000
4 Freight / Transportation	,	55,500	36,750		92,250
5 Rental - Surface Equipmen	1	62,354	150,450	4,640	217,444
6 Rental - Downhole Equipm		68,799	56,000		124,799
7 Rental - Living Quarters		38,583	45,700	5,200	89,483
10 Directional Drilling, Survey	rys	237,200			237,200
11 Drilling	•	521,597			521,597
12 Drill Bits		112,500			112,500
13 Fuel & Power		75,679	210,000		285,679
14 Cementing & Float Equip		155,000			155,000
16 Perforating, Wireline, Slic	kline		260,750	8,000	268,750
17 High Pressure Pump Truc	k	1000	10,000		10,000
18 Completion Unit, Swab, C	TU	1+0	150,000	12,048	162,040
20 Mud Circulation System		91,730			91,730
21 Mud Logging		21,725			21,725
22 Logging / Formation Evalu	ration	8,296	8,000		16,296
23 Mud & Chemicals		106,356	308,000		414,356
24 Water		28,426	543,228		571,654
25 Stimulation		(12)	720,000		720,000
26 Stimulation Flowback & I			94,000		94,000
28 Mud/Wastewater Dispos		96,938	73,000		169,938
30 Rig Supervision / Enginee		108,322	79,600	9,800	197,722
32 Drig & Completion Overh	ead	8,719	•		8,719
35 Labor		108,500	30,500	10,000	149,000
54 Proppant			490,676		490,676
95 Insurance		34,810			34,810
97 Contingency		106,302	159,333	5,968	271,602
99 Plugging & Abandonmen	t	-			-
	TOTAL INTANGIBLES >	2,232,334	3,438,986	65,648	5,736,968
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE C	OSTS	COSTS	COSTS	COSTS	COSTS
60 Surface Casing	9	9,590	\$	- <u>ş</u>	\$ 9,590
61 Intermediate Casing		69,726			69,726
62 Drilling Liner		-			•
63 Production Casing		254,308			254,308
64 Production Liner		8.7			-
65 Tubing		50		36,356	36,356
66 Wellhead		64,000		48,900	112,900
67 Packers, Liner Hangers		22,000		3,500	25,500
68 Tanks		F3		•	
69 Production Vessels			·-	-	-
70 Flow Lines				-	-
71 Rod string					
72 Artificial Lift Equipment				80,000	80,000
73 Compressor					
74 Installation Costs		***		35,000	35,000
75 Surface Pumps				5,000	5,000
76 Downhole Pumps				4,950	4,950
77 Measurement & Meter Ins	stallation			*	
78 Gas Conditioning / Dehyo				(7)	A.
79 Interconnecting Facility P				- 12	(4)
80 Gathering / Bulk Lines				-	
81 Valves, Dumps, Controlle	ts .			*	
82 Tank / Facility Containme				-	-
83 Flare Stack				-	
84 Electrical / Grounding				60,000	60,000
85 Communications / SCAD	4				-
86 Instrumentation / Safety				11.9	
,,	TOTAL TANGIBLES >	419,623	0	273,706	693,329
	TOTAL COSTS >		3,438,966	339,354	6,430,297
			-,,/	Serve appropriate	-,,
EDADED BY C-1 "					
EPARED BY Colgate Ener	ву:				 .
Drilling Engineer	: Steven Segnest				
Completions Engineer			CRM		
Production Engineer	<u>-</u>		CIGH		
1 todacoon Engineer	Levi Hanis				
Justa Engress A DDD (NV 4 I -					
lgate Energy APPROVAL:					
Co-CEC)	Co-C	EO	VP - Op	erations
	WH		JW		CRM
VP - Land & Lega	****	VP - Geoscien	•••		
vi - cano e cega	BG	A 1 - Ochwich	50		
			-		
ON OPERATING PARTNE	R APPROVAT-				
Granding indire			73		
			Working Interest (%):		Tax ID;
Company Name					
areas.					
Company Name Signed by			Dale:		
Signed by	·			7 Yes	No (mark one)
Signed by	T		Approval: _		No (mark one)