

**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 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 and Stevens, Inc	0.001469115	Pooled
SUM	1.00	
* ZPZ Delaware I LLC is a subsidiary 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 subsidiary 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 subsidiary of Apache Corporation			

S/2S/2 Development Sections 29-30-19S-28E		
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	
* ZPZ Delaware I LLC is a subsidiary of Apache Corporation		

OCD Permitting

Home    Searches    Wells    Well Details

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

General Well Information

Operator:	[371449] COLGATE OPERATING, LLC			Direction:	Horizontal
Status:	Active			Multi-Lateral:	No
Well Type:	Oil			Mineral Owner:	State
Work Type:	New			Surface Owner:	
Surface Location:	D-25-19S-28E	1000 FNL	265 FWL		
Lat/Long:	32.63637,-104.13805 NAD83				
GL Elevation:	3358			Sing/Mult Compl:	Single
KB Elevation:				Potash Waiver:	False
DF Elevation:					

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	Method Obtained
-----------	-----	-----------	-----------------

Event Dates

Initial APD Approval:	09/25/2019	Current APD Expiration:	09/26/2021
Most Recent APD Approval:	09/26/2019		
APD Cancellation:			
APD Extension Approval:			
Spud:	03/04/2020	Gas Capture Plan Received:	09/25/2019
Approved Temporary Abandonment:		TA Expiration:	
Shut In:		PNR Expiration:	
Plug and Abandoned Intent 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	#121H	[371449] COLGATE OPERATING, LLC	New	Oil	Active		

Quic

- [Gene](#)
- [Histo](#)
- [Comr](#)
- [Oper](#)
- [Pits](#)
- [Casin](#)
- [Well \(](#)
- [Finan](#)
- [Comr](#)
- [Incide](#)
- [Order](#)
- [Prody](#)
- [Trans](#)
- [Point](#)

Assc

- [Well f](#)
- [Well l](#)
- [Well /](#)

New

- [New I](#)
- [New I](#)
- [New \(](#)
- [New I](#)
- [New :](#)
- [New "](#)
- [New \)](#)

BEFORE THE OIL CONSERVATION DIVISION  
Santa Fe, New Mexico  
Exhibit No. K  
Submitted by: Apache Corporation Hearing  
Date: November 05, 2021 1/4  
Case Nos. 21727-21730

Pit On Site: [Number 1](#)

Pit Type: Closed Loop      Status: Active

Registration Denied:

Closure Approved:

Closure Denied:

Event Dates

Registered:      Approved: 09/25/2019

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

Notes

Date	Detail
------	--------

Casing

Boreholes, Strings and Equipment Specifications						Specifications for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description		
String/Hole Type	Taper	Date Set	Diameter	Top	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

Lat/Long: 32.6371906,-104.1220077 NAD83

Acreage: 160    25-19S-28E Units: A B C D

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

## Notes

## Event Dates

Initial Effective/Approval:	09/26/2019	TA Expiration:	
Most Recent Approval:	06/24/2020	Confidential Until:	
Confidential Requested On:		Test Allowable End:	09/24/2020
Test Allowable Approval:	06/29/2020	DHC:	
TD Reached:	03/14/2020	Rig Released:	03/14/2020
Deviation Report Received:	No	Logs Received:	No
Directional Survey Run:	Yes	Closure Pit Plat Received:	
Directional Survey Received:	Yes	First Gas Production:	
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

Effective Date	Property	Well Number	Operator	Completion Status	TA Expiration 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

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: 7727  
 Required Well Bond Amount: 40454  
 Well Bond Required Now: No  
 Amount of Well Bond In Place: 0  
 Variance: 40454 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](mailto: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  
 Date of Violation: 03/30/2021  
 Compliance Required: 06/28/2021

Searches    Operator Data    Hearing Fee Application

Event Date	Category	Type
------------	----------	------

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:      Last      [Show All Production](#)    [Export to Excel](#)

Time Frame	Production				Injection				
	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
				P/I					
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	0	30	0	0	0	0	N/A

Transporters

Transporter	Product	Most Recent for Property
-------------	---------	--------------------------

Points of Disposition

ID	Type	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



OCD Permitting

Home    Searches    Wells    Well Details

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

Formation	Top	Producing	Method 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 Abandonment:		TA Expiration:	
Shut In:			
Plug and Abandoned Intent Received:		PNR Expiration:	
Well Plugged:		Last MIT/BHT:	
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		

Quic

- [Gene](#)
- [Histo](#)
- [Comr](#)
- [Oper](#)
- [Pits](#)
- [Casin](#)
- [Well \(](#)
- [Finan](#)
- [Comr](#)
- [Incid](#)
- [Order](#)
- [Prody](#)
- [Trans](#)
- [Point](#)

Assoc

- [Well f](#)
- [Well l](#)
- [Well /](#)

New

- [New /](#)
- [New /](#)
- [New \(](#)
- [New /](#)
- [New /](#)
- [New /](#)
- [New /](#)

Pit On Site: [Number 1](#)

Pit Type: Closed Loop      Status: Active

Registration Denied:

Closure Approved:

Closure Denied:

Event Dates

Registered:      Approved: 09/25/2019

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

Notes

Date	Detail
------	--------

Casing

Boreholes, Strings and Equipment Specifications						Specifications for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description		
String/Hole Type	Taper	Date Set	Diameter	Top	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

Acreage: 160    25-19S-28E Units: A B C D

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

## Notes

## Event Dates

Initial Effective/Approval:	09/26/2019	TA Expiration:	
Most Recent Approval:	06/24/2020	Confidential Until:	
Confidential Requested On:		Test Allowable End:	
Test Allowable Approval:		DHC:	
TD Reached:	03/28/2020	Rig Released:	03/31/2020
Deviation Report Received:	No	Logs Received:	No
Directional Survey Run:	Yes	Closure Pit Plat Received:	
Directional Survey Received:	Yes	First Gas Production:	
First Oil Production:			
First Injection:			
Ready to Produce:		Completion Report Received:	
C-104 Approval:	06/24/2020	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
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

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: 8810

Required Well Bond Amount: 42620

Well Bond Required Now: No

Amount of Well Bond In Place: 0

Variance: 42620 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](mailto: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					
Time Frame	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days					
				P/I	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	0	30	0	0	0	0	N/A

Transporters

Transporter	Product	Most Recent for Property
-------------	---------	--------------------------

Points of Disposition

ID	Type	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

OCD Permitting

Home    Searches    Wells    Well Details

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

General Well Information

Operator:	[371449] COLGATE OPERATING, LLC			Direction:	Horizontal
Status:	New			Multi-Lateral:	No
Well Type:	Oil			Mineral Owner:	Federal
Work Type:	New			Surface Owner:	Private
Surface Location:	P-34-19S-28E	340 FSL	560 FEL		
Lat/Long:	32.6109475,-104.1581513 NAD83				
GL Elevation:	3299			Sing/Mult Compl:	Single
KB Elevation:				Potash Waiver:	False
DF Elevation:					

Proposed Formation and/or Notes

Depths

Proposed:	8520	True Vertical Depth:	8455
Measured Vertical Depth:	18890	Plugback Measured:	18785

Formation Tops

Formation	Top	Producing	Method Obtained
-----------	-----	-----------	-----------------

Event Dates

Initial APD Approval:	10/21/2020	Current APD Expiration:	10/21/2022
Most Recent APD Approval:	10/23/2020		
APD Cancellation:			
APD Extension Approval:			
Spud:	11/19/2020	Gas Capture Plan Received:	10/23/2020
Approved Temporary Abandonment:		TA Expiration:	
Shut In:		PNR Expiration:	
Plug and Abandoned Intent 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](#)
- [Histo](#)
- [Comr](#)
- [Oper](#)
- [Pits](#)
- [Casin](#)
- [Well \(](#)
- [Finan](#)
- [Comr](#)
- [Incide](#)
- [Order](#)
- [Prody](#)
- [Trans](#)
- [Point](#)

Assoc

- [Well f](#)
- [Well l](#)
- [Well /](#)

New

- [New /](#)
- [New /](#)
- [New \(](#)
- [New /](#)
- [New /](#)
- [New /](#)
- [New /](#)

Searches    Operator Data    Hearing Fee Application

No Pits Found

Casing

			Boreholes, Strings and Equipment Specifications			Specifications for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description		
String/Hole Type	Taper	Date Set	Diameter	Top	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  
Bottomhole Location: M-33-19S-28E    430 FSL    10 FWL  
Lat/Long:  
Acreage: 320    33-19S-28E Units: M N O P  
34-19S-28E Units: M N O P  
DHC: No

Last Produced:  
  
Consolidation Code:    Communitization  
Production Method:    Flowing

Well Test Data

Production Test:  
Flowing Tubing Pressure: 0 psi  
Choke Size: 0.000 inches  
Gas Volume: 0.0 MCF  
Gas-Oil Ratio: 0 Kcf / bbl  
Disposition of Gas:  
Test Length: 0 hours  
Flowing Casing Pressure: 0 psi  
Testing Method:  
Oil Volume: 0.0 bbls  
Oil Gravity: 0.0 Corr. API  
Water Volume: 0.0 bbls

Perforations

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

Notes

Event Dates

Searches    Operator Data    Hearing Fee Application

Directional Survey Run:	Yes	Logs Received:	No
Directional Survey Received:	Yes	Closure Pit Plat Received:	
First Oil Production:		First Gas Production:	
First Injection:			
Ready to Produce:		Completion Report Received:	
C-104 Approval:		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
10/23/2020	[329759] DAWSON 34 FEDERAL COM	#134H	[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	

Requests to release bonds must be submitted in writing. You may send an e-mail to [OCDAdminComp@state.nm.us](mailto: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 Production in OCD Records:
Last

[Show All Production](#)
[Export to Excel](#)

Production				Injection					
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

Searches    Operator Data    Hearing Fee Application

ID	Type	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



OCD Permitting

Home    Searches    Wells    Well Details

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

General Well Information

Operator:	[371449] COLGATE OPERATING, LLC			Direction:	Horizontal
Status:	Active			Multi-Lateral:	No
Well Type:	Oil			Mineral Owner:	Federal
Work Type:	New			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	Top	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 Abandonment:		TA Expiration:	
Shut In:			
Plug and Abandoned Intent Received:		PNR Expiration:	
Well Plugged:		Last MIT/BHT:	
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	#124H	[371449] COLGATE OPERATING, LLC	New	Oil	Active		

Quic

- [Gene](#)
- [Histo](#)
- [Comr](#)
- [Oper](#)
- [Pits](#)
- [Casin](#)
- [Well \(](#)
- [Finan](#)
- [Comr](#)
- [Incid](#)
- [Order](#)
- [Prody](#)
- [Trans](#)
- [Point](#)

Assoc

- [Well f](#)
- [Well l](#)
- [Well /](#)

New

- [New /](#)
- [New /](#)
- [New \(](#)
- [New /](#)
- [New /](#)
- [New /](#)
- [New /](#)

Searches    Operator Data    Hearing Fee Application

No Pits Found

Casing

			Boreholes, Strings and Equipment Specifications			Specifications for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description		
String/Hole Type	Taper	Date Set	Diameter	Top	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)

Status: Active  
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:

Last Produced:  
  
  
Consolidation Code:  
Production Method:

Well Test Data

Production Test:  
Flowing Tubing Pressure: 0 psi  
Choke Size: 0.000 inches  
Gas Volume: 0.0 MCF  
Gas-Oil Ratio: 0 Kcf / bbl  
Disposition of Gas:  
Test Length: 0 hours  
Flowing Casing Pressure: 0 psi  
Testing Method:  
Oil Volume: 0.0 bbls  
Oil Gravity: 0.0 Corr. API  
Water Volume: 0.0 bbls

Perforations

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

Notes

Event Dates

Searches

Operator Data

Hearing Fee Application

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:		Completion Report Received:	
C-104 Approval:	02/15/2021	New Well C-104 Approval:	
Plug Back:	12/27/2020		
Authorization Revoked Start:		Revoked Until:	

## Well Completion History

Effective Date	Property	Well Number	Operator	Completion Status	TA Expiration Date
02/15/2021	[329759] DAWSON 34 FEDERAL COM	#124H	[371449] COLGATE OPERATING, LLC	Active	
10/23/2020	[329759] DAWSON 34 FEDERAL COM	#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	

Requests to release bonds must be submitted in writing. You may send an e-mail to [OCDAdminComp@state.nm.us](mailto: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 Production in OCD Records:

Last

[Show All Production](#)[Export to Excel](#)

Time Frame	Production				Injection				
	Oil(BBLS)	Gas(MCF)	Water(BBLS)	P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
	Days								
2021	0	0	0	0	0	0	0	0	N/A
Grand Total:	0	0	0	0	0	0	0	0	N/A

Points of Disposition

ID	Type	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

OCD Permitting

Home    Searches    Wells    Well Details

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

Proposed Formation and/or Notes

BONE SPRING

Depths

Proposed:	13698	True Vertical Depth:	8778
Measured Vertical Depth:	13629	Plugback Measured:	13518

Formation Tops

Formation	Top	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:	12/31/2020	Gas Capture Plan Received:	10/02/2019
Approved Temporary Abandonment:		TA Expiration:	
Shut In:			
Plug and Abandoned Intent Received:		PNR Expiration:	
Well Plugged:		Last MIT/BHT:	01/10/2021
Site Release:			
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		

Quic

- [Gene](#)
- [Histo](#)
- [Comr](#)
- [Oper](#)
- [Pits](#)
- [Casin](#)
- [Well \(](#)
- [Finan](#)
- [Comr](#)
- [Incid](#)
- [Order](#)
- [Prody](#)
- [Trans](#)
- [Point](#)

Assoc

- [Well f](#)
- [Well l](#)
- [Well /](#)

New

- [New /](#)
- [New /](#)
- [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

Boreholes, Strings and Equipment Specifications						Specifications for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description		
String/Hole Type	Taper	Date Set	Diameter	Top	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

Lat/Long: 32.6255795,-104.1219474 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

## Notes

## Event Dates

Initial Effective/Approval: 10/08/2019

Most Recent Approval: 10/08/2019

Confidential Requested On:

Test Allowable Approval:

TD Reached:

Deviation Report Received: No

Directional Survey Run: No

Directional Survey Received: No

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:

Logs Received: No

Closure Pit Plat Received:

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
10/08/2019	[326127] LADY FRANKLIN 25 STATE	#134H	[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: 8778

Required Well Bond Amount: 42556

Well Bond Required Now: No

Amount of Well Bond In Place: 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 [OCDAdminComp@state.nm.us](mailto: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.

Production / Injection

Earliest Production in OCD Records:				Last		<a href="#">Show All Production</a>				<a href="#">Export to Excel</a>	
Production				Injection							
										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	Type	Description	Pool(s)
----	------	-------------	---------



OCD Permitting

Home    Searches    Wells    Well Details

30-015-46355 LADY FRANKLIN 25 STATE #124H [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:	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	Top	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:	01/12/2021	Gas Capture Plan Received:	10/02/2019
Approved Temporary Abandonment:		TA Expiration:	
Shut In:			
Plug and Abandoned Intent Received:		PNR Expiration:	
Well Plugged:		Last MIT/BHT:	
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		

Quic

- [Gene](#)
- [Histo](#)
- [Comr](#)
- [Oper](#)
- [Pits](#)
- [Casin](#)
- [Well \(](#)
- [Finan](#)
- [Comr](#)
- [Incid](#)
- [Order](#)
- [Prody](#)
- [Trans](#)
- [Point](#)

Assoc

- [Well f](#)
- [Well l](#)
- [Well /](#)

New

- [New /](#)
- [New /](#)
- [New \(](#)
- [New /](#)
- [New /](#)
- [New /](#)
- [New /](#)

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

Boreholes, Strings and Equipment Specifications						Specifications for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description		
String/Hole Type	Taper	Date Set	Diameter	Top	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

	7942	12262	0	0
--	------	-------	---	---

**Notes**

**Event Dates**

Initial Effective/Approval:	10/08/2019	TA Expiration:	
Most Recent Approval:	04/20/2021	Confidential Until:	
Confidential Requested On:		Test Allowable End:	10/15/2021
Test Allowable Approval:	07/15/2021	DHC:	
TD Reached:	01/20/2021	Rig Released:	01/21/2021
Deviation Report Received:	No	Logs Received:	No
Directional Survey Run:	Yes	Closure Pit Plat Received:	
Directional Survey Received:	Yes	First Gas Production:	
First Oil Production:			
First Injection:			
Ready to Produce:	04/20/2021	Completion Report Received:	
C-104 Approval:	07/15/2021	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
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:

Bonding Depth: 7764

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](mailto: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.

Orders

No Orders Found

Production / Injection

Earliest Production in OCD Records:      Last      [Show All Production](#)    [Export to Excel](#)

Production				Injection					
Time Frame	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
				P/I					
Grand Total:	0	0	0	0	0	0	0	0	N/A

Transporters

Transporter	Product	Most Recent for Property
-------------	---------	--------------------------

Points of Disposition

ID	Type	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

OCD Permitting

Home    Searches    Wells    Well Details

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

Depths

Proposed:	13643	True Vertical Depth:	8828
Measured Vertical Depth:	0	Plugback Measured:	13505

Formation Tops

Formation	Top	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 Abandonment:		TA Expiration:	
Shut In:			
Plug and Abandoned Intent Received:		PNR Expiration:	
Well Plugged:		Last MIT/BHT:	
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		

Quic

- [Gene](#)
- [Histo](#)
- [Comr](#)
- [Oper](#)
- [Pits](#)
- [Casin](#)
- [Well \(](#)
- [Finan](#)
- [Comr](#)
- [Incid](#)
- [Order](#)
- [Prody](#)
- [Trans](#)
- [Point](#)

Assoc

- [Well f](#)
- [Well l](#)
- [Well /](#)

New

- [New /](#)
- [New /](#)
- [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

Boreholes, Strings and Equipment Specifications						Specifications for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description		
String/Hole Type	Taper	Date Set	Diameter	Top	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1	01/21/2021	17.500	0	347		0	0.0	0	0			0	No
Surface Casing	1		13.375	0	337	J-55	337	54.5	337	0	Circ	Halliburton Premium Cement, Type Unknown	414	Yes
Hole 2	1	01/23/2021	12.250	337	3026		0	0.0	0	0			0	No
Intermediate 1 Casing	1		9.625	0	3026	J-55	3026	36.0	3026	0	Circ	Halliburton Premium Cement, Type Unknown	694	Yes
Hole 3	1	01/29/2021	8.750	3026	13607		0	0.0	0	0			0	No
Production Casing	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

Date	Top Measured Depth (Where Completion Enters Formation)	Bottom Measured Depth (End of Lateral)	Top Vertical Depth	Bottom Vertical Depth
	9042	13392	0	0

## Notes

## Event Dates

Initial Effective/Approval:	10/08/2019	TA Expiration:	
Most Recent Approval:	04/20/2021	Confidential Until:	
Confidential Requested On:		Test Allowable End:	
Test Allowable Approval:	07/15/2021	DHC:	
TD Reached:	01/29/2021	Rig Released:	01/30/2021
Deviation Report Received:	No	Logs Received:	No
Directional Survey Run:	Yes	Closure Pit Plat Received:	
Directional Survey Received:	Yes	First Gas Production:	
First Oil Production:		Completion Report Received:	
First Injection:		New Well C-104 Approval:	
Ready to Produce:	04/12/2021	Revoked Until:	
C-104 Approval:	04/20/2021		
Plug Back:			
Authorization Revoked Start:			

## 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: 1/1800  
 Inactive Additional Bond Due Date:  
 Bonding Depth: 8828  
 Required Well Bond Amount: 42656  
 Well Bond Required Now: No  
 Amount of Well Bond In Place: 0  
 Variance: 42656 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](mailto:OCDAdminComp@state.nm.us) or fax a letter to (505) 476-3462.

## Compliance

Searches    Operator Data    Hearing Fee Application

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:      Last      [Show All Production](#)    [Export to Excel](#)

Time Frame	Production				Injection				
	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
				P/I					
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	Type	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



OCD Permitting

Home    Searches    Wells    Well Details

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

General Well Information

Operator:	[371449] COLGATE OPERATING, LLC			Direction:	Horizontal
Status:	Active			Multi-Lateral:	No
Well Type:	Oil			Mineral Owner:	State
Work Type:	New			Surface Owner:	
Surface Location:	L-25-19S-28E	1381 FSL	265 FWL		
Lat/Long:	32.62839,-104.13804 NAD83				
GL Elevation:	3335			Sing/Mult Compl:	Single
KB Elevation:				Potash Waiver:	False
DF Elevation:					

Proposed Formation and/or Notes

BONE SPRING

Depths

Proposed:	12550	True Vertical Depth:	0
Measured Vertical Depth:	0	Plugback Measured:	0

Formation Tops

Formation	Top	Producing	Method Obtained
-----------	-----	-----------	-----------------

Event Dates

Initial APD Approval:	10/02/2019	Current APD Expiration:	10/08/2021
Most Recent APD Approval:	10/08/2019		
APD Cancellation:			
APD Extension Approval:			
Spud:	01/31/2021	Gas Capture Plan Received:	10/02/2019
Approved Temporary Abandonment:		TA Expiration:	
Shut In:		PNR Expiration:	
Plug and Abandoned Intent 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](#)
- [Histo](#)
- [Comr](#)
- [Oper](#)
- [Pits](#)
- [Casin](#)
- [Well](#)
- [Finan](#)
- [Comr](#)
- [Incide](#)
- [Order](#)
- [Prody](#)
- [Trans](#)
- [Point](#)

Assoc

- [Well f](#)
- [Well l](#)
- [Well /](#)

New

- [New /](#)
- [New /](#)
- [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

Boreholes, Strings and Equipment Specifications						Specifications for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description		
String/Hole Type	Taper	Date Set	Diameter	Top	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

## Perforations

Date	Top Measured Depth (Where Completion Enters Formation)	Bottom Measured Depth (End of Lateral)	Top Vertical Depth	Bottom Vertical Depth
	8150	12325	0	0

## Notes

## Event Dates

Initial Effective/Approval:	10/08/2019	TA Expiration:	
Most Recent Approval:	04/13/2021	Confidential Until:	
Confidential Requested On:		Test Allowable End:	
Test Allowable Approval:	04/16/2021	DHC:	
TD Reached:	02/05/2021	Rig Released:	02/07/2021
Deviation Report Received:	Yes	Logs Received:	No
Directional Survey Run:	Yes	Closure Pit Plat Received:	
Directional Survey Received:	No	First Gas Production:	
First Oil Production:		Completion Report Received:	
First Injection:		New Well C-104 Approval:	
Ready to Produce:	06/24/2020	Revoked Until:	
C-104 Approval:	04/16/2021		
Plug Back:			
Authorization Revoked Start:			

## Well Completion History

Effective Date	Property	Well Number	Operator	Completion Status	TA Expiration Date
04/13/2021	[326127] LADY FRANKLIN 25 STATE	#123H	[371449] COLGATE OPERATING, LLC	Active	
10/08/2019	[326127] LADY FRANKLIN 25 STATE	#123H	[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: 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: 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](mailto: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 Production in OCD Records:      Last      [Show All Production](#)    [Export to Excel](#)

Time Frame	Production				Injection				
	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
				P/I					
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	Type	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

OCD Permitting

Home    Searches    Wells    Well Details

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

General Well Information

Operator:	[371449] COLGATE OPERATING, LLC			Direction:	Horizontal
Status:	Active			Multi-Lateral:	No
Well Type:	Oil			Mineral Owner:	State
Work Type:	New			Surface Owner:	
Surface Location:	D-25-19S-28E	1135 FNL	265 FWL		
Lat/Long:	32.636002,-104.13805 NAD83				
GL Elevation:	3358			Sing/Mult Compl:	Single
KB Elevation:				Potash Waiver:	False
DF Elevation:					

Proposed Formation and/or Notes

BONE SPRING

Depths

Proposed:	13734	True Vertical Depth:	8805
Measured Vertical Depth:	13739	Plugback Measured:	0

Formation Tops

Formation	Top	Producing	Method Obtained
-----------	-----	-----------	-----------------

Event Dates

Initial APD Approval:	09/25/2019	Current APD Expiration:	09/26/2021
Most Recent APD Approval:	09/26/2019		
APD Cancellation:			
APD Extension Approval:			
Spud:	02/08/2021	Gas Capture Plan Received:	09/25/2019
Approved Temporary Abandonment:		TA Expiration:	
Shut In:		PNR Expiration:	
Plug and Abandoned Intent Received:		Last MIT/BHT:	03/30/2021
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	#132H	[371449] COLGATE OPERATING, LLC	New	Oil	Active		

Quic

- [Gene](#)
- [Histo](#)
- [Comr](#)
- [Oper](#)
- [Pits](#)
- [Casin](#)
- [Well \(](#)
- [Finan](#)
- [Comr](#)
- [Incid](#)
- [Order](#)
- [Prody](#)
- [Trans](#)
- [Point](#)

Assoc

- [Well f](#)
- [Well l](#)
- [Well /](#)

New

- [New /](#)
- [New /](#)
- [New \(](#)
- [New /](#)
- [New /](#)
- [New /](#)
- [New /](#)

Pit On Site: [Number 1](#)

Pit Type: Closed Loop      Status: Active

Registration Denied:

Closure Approved:

Closure Denied:

Event Dates

Registered:      Approved: 09/25/2019

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

Notes

Date	Detail
------	--------

Casing

Boreholes, Strings and Equipment Specifications						Specifications for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description		
String/Hole Type	Taper	Date Set	Diameter	Top	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

Lat/Long: 32.63292,-104.12197 NAD83

Acreage: 160    25-19S-28E Units: E F G H

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

	9001	13523	0	0
--	------	-------	---	---

**Notes**

**Event Dates**

Initial Effective/Approval:	09/26/2019	TA Expiration:	
Most Recent Approval:	07/08/2021	Confidential Until:	
Confidential Requested On:		Test Allowable End:	
Test Allowable Approval:	07/08/2021	DHC:	
TD Reached:	02/18/2020	Rig Released:	02/20/2021
Deviation Report Received:	No	Logs Received:	No
Directional Survey Run:	Yes	Closure Pit Plat Received:	
Directional Survey Received:	Yes	First Gas Production:	
First Oil Production:			
First Injection:			
Ready to Produce:		Completion Report Received:	
C-104 Approval:	07/08/2021	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
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 [OCDAdminComp@state.nm.us](mailto: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.

cGC219137443

Searches    Operator Data    Hearing Fee Application

Actions/Events


Event Date	Category	Type
------------	----------	------

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

NSL-8161-0				
Applicant:	[371449] COLGATE OPERATING, LLC			
Contact:	Brian Wood			Approved By:
Reviewer:	Leonard Lowe			Issuing Office: Santa Fe

Processing Dates

Received:	03/17/2021	Ordered:	04/26/2021
Approved:	04/26/2021	Denied:	
Expiration:		Cancelled:	

Order Pools

Pool	Gas Percent	Oil Percent
[65010] WINCHESTER;BONE SPRING	0	0

Production / Injection

Earliest Production in OCD Records:      Last      [Show All Production](#)    [Export to Excel](#)

Production					Injection				
Time Frame	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
				P/I					
Grand Total:	0	0	0	0	0	0	0	0	N/A

Transporters

Transporter	Product	Most Recent for Property
-------------	---------	--------------------------

Points of Disposition

ID	Type	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



[SIGN-IN](#)   [HELP](#)

[Searches](#)   [Operator Data](#)   [Hearing Fee Application](#)

[EMNRD Home](#)   [OCD Main Page](#)   [OCD Rules](#)   [Help](#)

OCD Permitting

Home    Searches    Wells    Well Details

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	Top	Producing	Method 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 Abandonment:		TA Expiration:	
Shut In:			
Plug and Abandoned Intent Received:		PNR Expiration:	
Well Plugged:		Last MIT/BHT:	
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		

- Quick
- [Gene](#)
  - [Histo](#)
  - [Comr](#)
  - [Oper](#)
  - [Pits](#)
  - [Casin](#)
  - [Well \(](#)
  - [Finan](#)
  - [Comr](#)
  - [Incid](#)
  - [Order](#)
  - [Prody](#)
  - [Trans](#)
  - [Point](#)

- Assoc
- [Well f](#)
  - [Well l](#)
  - [Well /](#)

- New
- [New /](#)
  - [New /](#)
  - [New /](#)
  - [New /](#)
  - [New /](#)
  - [New /](#)
  - [New /](#)

No Pits Found

Casing

			Boreholes, Strings and Equipment Specifications			Specifications for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description		
String/Hole Type	Taper	Date Set	Diameter	Top	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  
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:

Last Produced:  
  
Consolidation Code:  
Production Method:

Well Test Data

Production Test:  
Flowing Tubing Pressure: 0 psi  
Choke Size: 0.000 inches  
Gas Volume: 0.0 MCF  
Gas-Oil Ratio: 0 Kcf / bbl  
Disposition of Gas:  
Test Length: 0 hours  
Flowing Casing Pressure: 0 psi  
Testing Method:  
Oil Volume: 0.0 bbls  
Oil Gravity: 0.0 Corr. API  
Water Volume: 0.0 bbls

Perforations

Date	Top Measured Depth (Where Completion Enters Formation)	Bottom Measured Depth (End of Lateral)	Top Vertical Depth	Bottom Vertical Depth
	9038	18668	0	0

Notes

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

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

Requests to release bonds must be submitted in writing. You may send an e-mail to [OCDAdminComp@state.nm.us](mailto: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 Production in OCD Records:

Last

[Show All Production](#)[Export to Excel](#)

Time Frame	Production				Injection				
	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
				P/I					
Grand Total:	0	0	0	0	0	0	0	0	N/A

## Transports

SIGN-IN    HELP

Searches    Operator Data    Hearing Fee Application

Points of Disposition

ID	Type	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

OCD Permitting

Home    Searches    Wells    Well Details

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

General Well Information

Operator:	[371449] COLGATE OPERATING, LLC			Direction:	Horizontal
Status:	Active			Multi-Lateral:	No
Well Type:	Oil			Mineral Owner:	Federal
Work Type:	New			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	Top	Producing	Method 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 Abandonment:		TA Expiration:	
Shut In:			
Plug and Abandoned Intent Received:		PNR Expiration:	
Well Plugged:		Last MIT/BHT:	
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		

Quic

- [Gene](#)
- [Histo](#)
- [Comr](#)
- [Oper](#)
- [Pits](#)
- [Casin](#)
- [Well \(](#)
- [Finan](#)
- [Comr](#)
- [Incide](#)
- [Order](#)
- [Prody](#)
- [Trans](#)
- [Point](#)

Assoc

- [Well f](#)
- [Well l](#)
- [Well /](#)

New

- [New /](#)
- [New /](#)
- [New \(](#)
- [New /](#)
- [New /](#)
- [New /](#)
- [New /](#)

Searches    Operator Data    Hearing Fee Application

No Pits Found

Casing

			Boreholes, Strings and Equipment Specifications			Specifications for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description		
String/Hole Type	Taper	Date Set	Diameter	Top	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

Status: Active  
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:

Last Produced:  
  
Consolidation Code:  
Production Method:

Well Test Data

Production Test:  
Flowing Tubing Pressure: 0 psi  
Choke Size: 0.000 inches  
Gas Volume: 0.0 MCF  
Gas-Oil Ratio: 0 Kcf / bbl  
Disposition of Gas:  
Test Length: 0 hours  
Flowing Casing Pressure: 0 psi  
Testing Method:  
Oil Volume: 0.0 bbls  
Oil Gravity: 0.0 Corr. API  
Water Volume: 0.0 bbls

Perforations

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

Notes

Event Dates

Searches    Operator Data    Hearing Fee Application

Directional Survey Run: No

Directional Survey Received: No

First Oil Production:

First Injection:

Ready to Produce: 09/13/2021

C-104 Approval: 09/15/2021

Plug Back:

Authorization Revoked Start:

Logs Received: No

Closure Pit Plat Received:

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
09/13/2021	[329864] DAKOTA 32 STATE FEDERAL COM	#124H	[371449] COLGATE OPERATING, LLC	Active	
12/01/2020	[329864] DAKOTA 32 STATE FEDERAL COM	#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	

Requests to release bonds must be submitted in writing. You may send an e-mail to [OCDAdminComp@state.nm.us](mailto: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 Production in OCD Records: Last

Show All ProductionExport to Excel

Time Frame	Production				Injection					Pressure
	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other		
Grand Total:	0	0	0	0	0	0	0	0	N/A	

Transporters



SIGN-IN    HELP

Searches    Operator Data    Hearing Fee Application

ID	Type	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

## 2<sup>ND</sup> BONE SPRING SAND WELLS

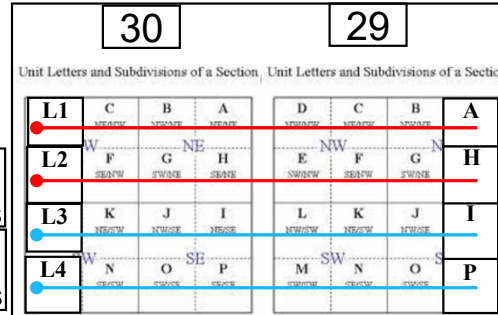
Black Jack 29 State Com 121H To be located at a legal location in Units A/H of Section 29-19S-28E To be located at a legal location in Unit L1 Section 30-19S-28E TMD: Approximately 17,360' Targeted Interval: 2 <sup>nd</sup> Bone Spring	Black Jack 29 State Com 123H SHL: To be located at a legal location 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: 2 <sup>nd</sup> Bone Spring
---	--

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

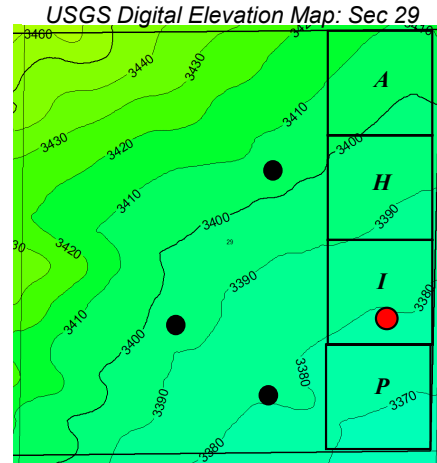
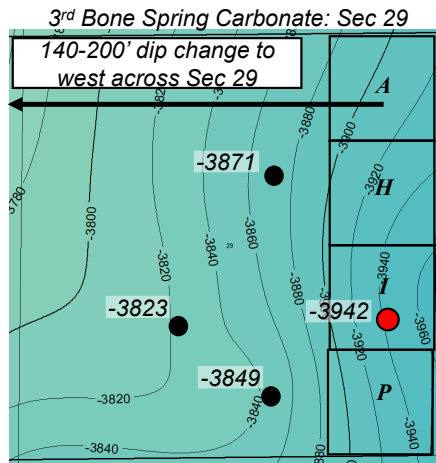
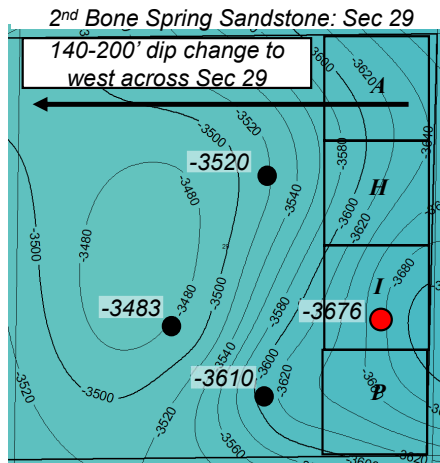
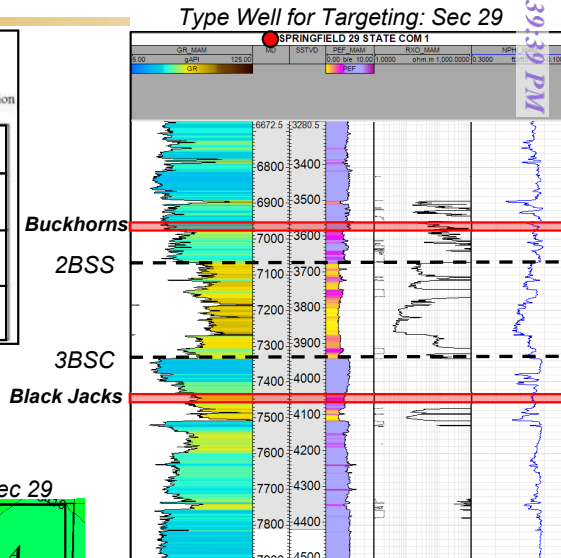
- Buckhorns SHLs in Unit A/H of Sec 29. Landing TVD is proposed as 7000' TVD
- Black Jack SHLs in Unit I/P of Sec 29. Landing TVD is proposed as 7,455' TVD
- According to latest DEM maps and assuming a hypothetical 26' rig KB, 7000' TVD is equal to a range of 3559' to 3589' TVDSS over sections A/H
-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

Buckhorns:  
7000' TVD  
3559-3589' TVDSS

Black Jacks:  
7455' TVD  
4044-4064' TVDSS



— Buckhorn 29 St Com 2<sup>nd</sup> Bone Spring Well  
— Black Jack 29 St Com 2<sup>nd</sup> Bone Spring Well



Colgate Proposal Landing zone:  
Buckhorns target shallower than 2<sup>nd</sup> Bone Spring Sandstone;  
Black Jacks target in thin sand stringer in 3<sup>rd</sup> Bone Spring Carbonate, Sand stringer is highly variable across sections

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

Apache

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

## 3<sup>rd</sup> BONE SPRING SAND WELLS

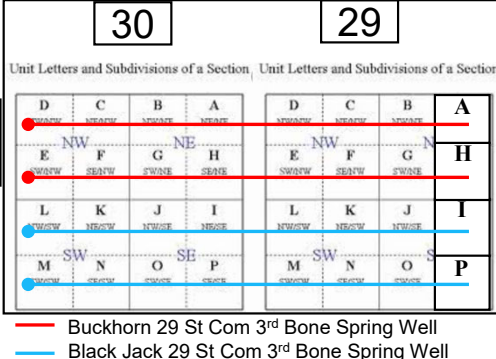
**Buckhorn 29 State Com 131H**  
 SHL: To be located at a legal location in Units A/H of Section 29-19S-28E  
 BHL: To be located at a legal location in Unit L1 of Section 30-19S-28E  
 TVD: 8,200'  
 TMD: Approximately 18,550'  
 Targeted Interval: 3<sup>rd</sup> Bone Spring

**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: 3<sup>rd</sup> Bone Spring  
 Total Cost: See attached AFE

- Buckhorn 3<sup>rd</sup> BSS wells proposed at 8200' TVD (4759-4789 TVDSS) and 8000' TVD (Type 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<sup>rd</sup> Bone Spring Sandstone. Black Jack wells placed at very base of 3<sup>rd</sup> Bone Spring Sandstone.
- No Apache wells have targeted shallower than the top of 3<sup>rd</sup> Bone Spring Sandstone.

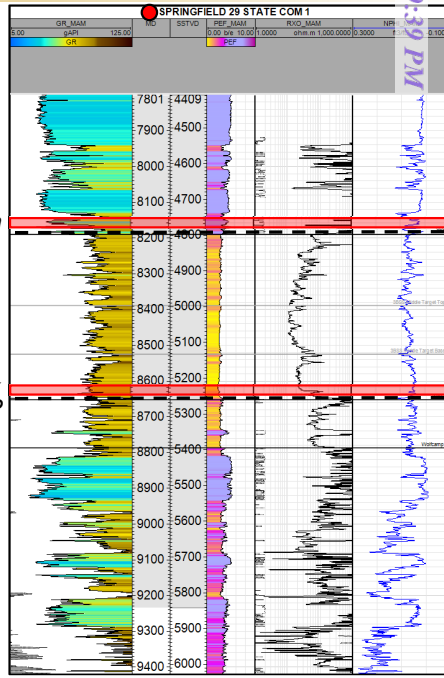
**Buckhorn 131H:**  
 8200' TVD  
 4759-4789' TVDSS

**Black Jacks:**  
 8630' TVD  
 5219-5239' TVDSS

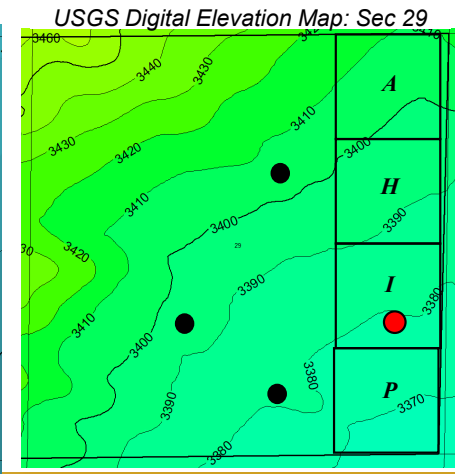
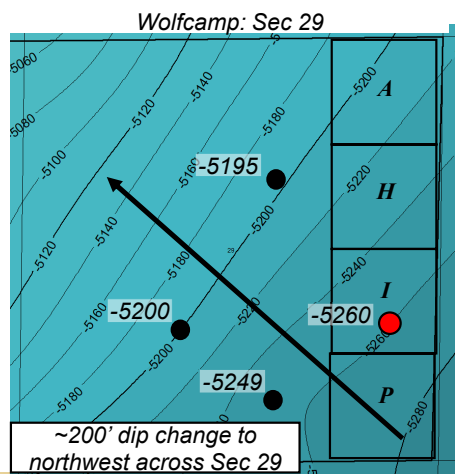
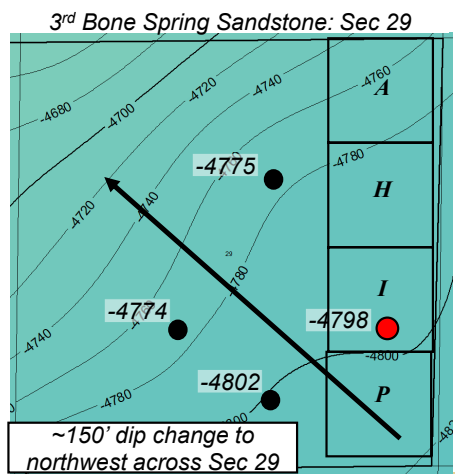


**Buckhorn  
 3<sup>rd</sup> BSS**

**Black Jack  
 WCMP**

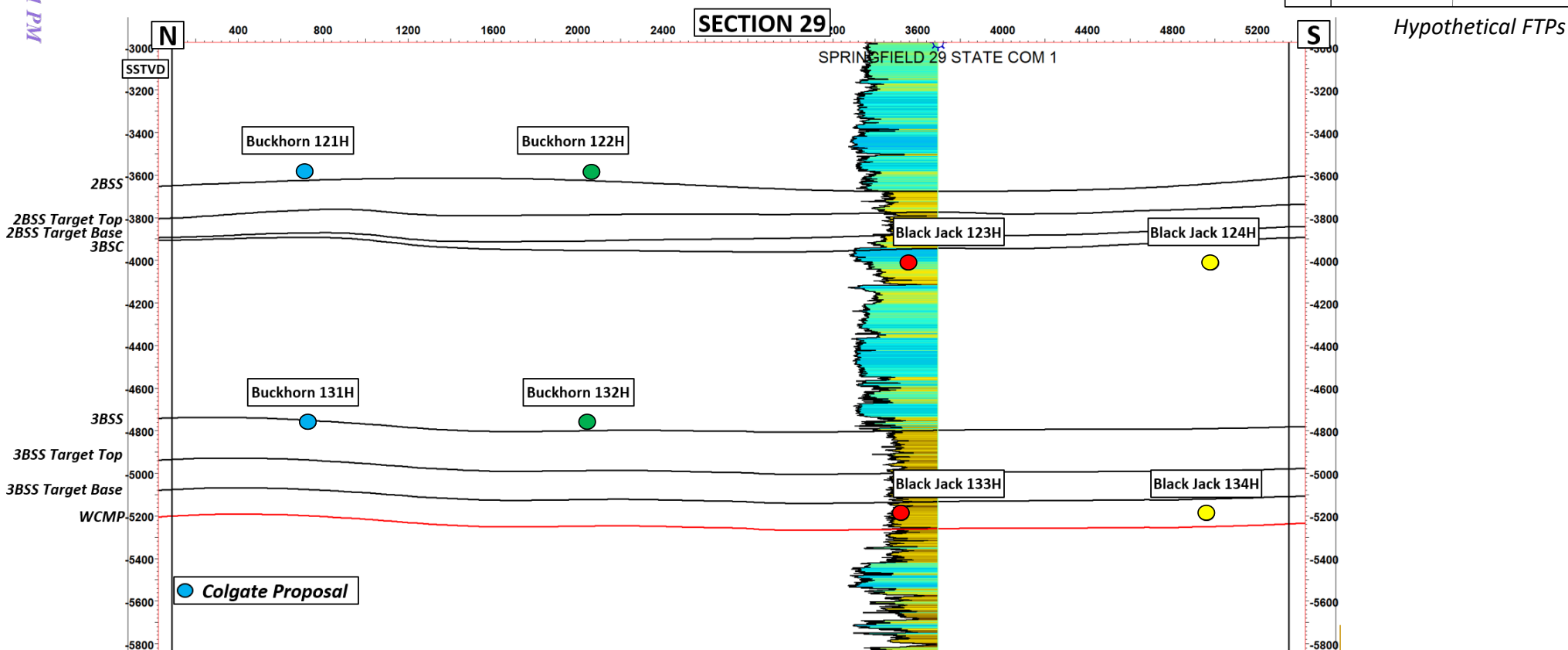
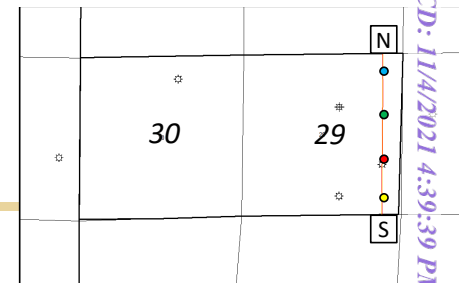


**Colgate Proposal Landing zone:**  
 Buckhorns shallower than 3<sup>rd</sup> BSS, Black Jacks at very base of 3<sup>rd</sup> BSS, targeting not consistent



# ARBITRARY LINE

## COLGATE WELL PROPOSAL LANDING TVDS

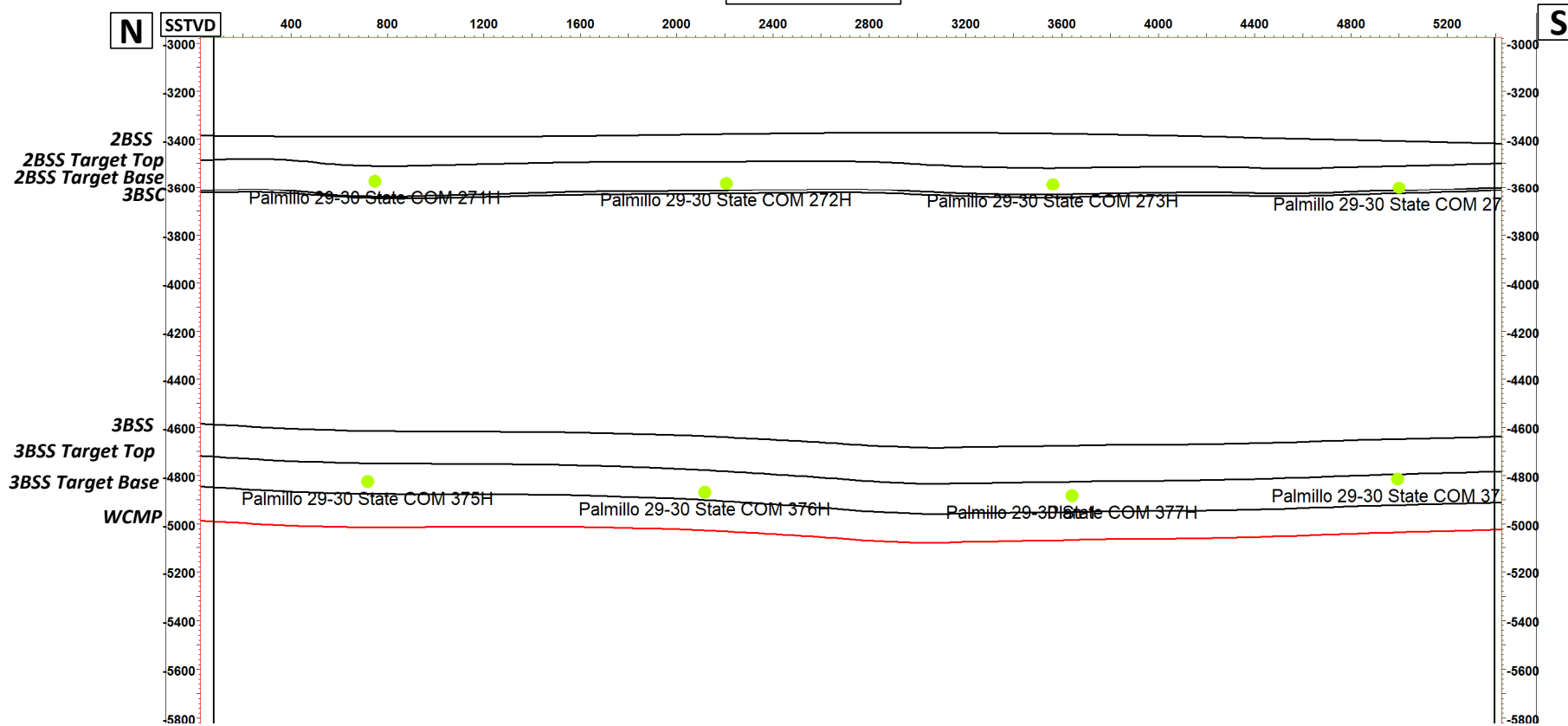


\*Surfaces generated with well control and depth migrated seismic

# ARBITRARY LINE

## APACHE WELL PROPOSAL LANDING TVDS

### SECTION 30



\*Surfaces generated with well control and depth migrated seismic



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](mailto:mhajdik@colgateenergy.com).

Sincerely,

**COLGATE OPERATING, LLC**

A handwritten signature in blue ink, appearing to read 'Mark Hajdik'.

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](http://www.ColgateEnergy.com)

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

**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:

By: \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title



Colgate Energy

303 W. Wall St. , Midland TX 79701

Phone (432) 695-4257 • Fax (432) 695-4063

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	10/22/2021	AFE NO.:	0
WELL NAME:	Bowie 30 State COM 121H	FIELD:	est Winchester; Bone Spri
LOCATION:	Parkway	MD/IVD:	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 stages in the 2nd Bone Spring formation. AFE includes D&C, flowback & initial ESP install.

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land / Legal / Regulatory	\$ 35,000	\$	\$	\$ 35,000
2 Location, Surveys & Damages	150,000	13,000	10,000	173,000
4 Freight / Transportation	55,500	33,250		88,750
5 Rental - Surface Equipment	47,069	111,100	4,640	162,809
6 Rental - Downhole Equipment	68,499	40,000		108,499
7 Rental - Living Quarters	31,500	40,100	5,200	76,800
10 Directional Drilling, Surveys	163,640			163,640
11 Drilling	414,850			414,850
12 Drill Bits	81,000			81,000
13 Fuel & Power	55,563	105,000		160,563
14 Cementing & Float Equip	155,000			155,000
16 Perforating, Wireline, Slickline	-	133,250	8,000	141,250
17 High Pressure Pump Truck	-	10,000		10,000
18 Completion Unit, Swab, CTU	-	60,000	12,040	72,040
20 Mud Circulation System	71,707			71,707
21 Mud Logging	16,534			16,534
22 Logging / Formation Evaluation	4,094	8,000		12,094
23 Mud & Chemicals	73,028	152,000		225,028
24 Water	27,882	261,596		289,478
25 Stimulation	-	360,000		360,000
26 Stimulation Flowback & Disp	-	84,000		84,000
28 Mud / Wastewater Disposal	96,938	68,000		164,938
30 Rig Supervision / Engineering	79,529	57,200	9,800	146,529
32 Drlg & Completion Overhead	6,401	-		6,401
35 Labor	108,500	23,000	10,000	141,500
54 Proppant		213,868		213,868
95 Insurance	22,513			22,513
97 Contingency	88,237	84,018	5,968	178,223
99 Plugging & Abandonment	-			-
TOTAL INTANGIBLES >	1,852,983	1,857,382	65,648	3,776,013

TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
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	-		-	-
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 Installation	-		-	-
78 Gas Conditioning / Dehydration			-	-
79 Interconnecting Facility Piping			-	-
80 Gathering / Bulk Lines			-	-
81 Valves, Dumps, Controllers			-	-
82 Tank / Facility Containment			-	-
83 Flare Stack			-	-
84 Electrical / Grounding			60,000	60,000
85 Communications / SCADA			-	-
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

PREPARED BY Colgate Energy:

Drilling Engineer:	Steven Segrest	
Completions Engineer:	Brady Adams	CRM
Production Engineer:	Levi Harris	

Colgate Energy APPROVAL:

Co-CEO	Co-CEO	VP - Operations
WH	JW	CRM
VP - Land & Legal	VP - Geosciences	
BG	SO	

NON OPERATING PARTNER APPROVAL:

Company Name:	Working Interest (%):	Tax ID:
Signed by:	Date:	
Title:	Approval:	<input type="checkbox"/> Yes <input type="checkbox"/> No (mark one)

The costs on this AFE are estimates only and may not be construed as ceilings on any specific item or the total cost of the project. Tubing installation approved under the AFE may be delayed up to a year after the well has been completed. In executing this AFE, the Participant agrees to pay its proportionate share of actual costs incurred, including, legal, curative, regulatory, brokerage and well costs under the terms of the applicable joint operating agreement, regulatory order or other agreement covering this well. Participants shall be covered by and billed proportionately for Operator's well control and general liability insurance unless participant provides Operator a certificate evidencing its own insurance in an amount acceptable to the Operator by the date of spud.

Colgate Energy

303 W. Wall St. , Midland TX 79701

Phone (432) 695-4257 • Fax (432) 695-4063

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	10/22/2021	AFE NO.:	0
WELL NAME:	Bowie 30 State COM 122H	FIELD:	est Winchester; Bone Spri
LOCATION:	Parkway	MD/IVD:	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 stages in the 2nd Bone Spring formation. AFE includes D&C, flowback & initial ESP install.

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land / Legal / Regulatory	\$ 35,000	\$	\$	\$ 35,000
2 Location, Surveys & Damages	150,000	13,000	10,000	173,000
4 Freight / Transportation	55,500	33,250		88,750
5 Rental - Surface Equipment	47,069	111,100	4,640	162,809
6 Rental - Downhole Equipment	68,499	40,000		108,499
7 Rental - Living Quarters	31,500	40,100	5,200	76,800
10 Directional Drilling, Surveys	163,640			163,640
11 Drilling	414,850			414,850
12 Drill Bits	81,000			81,000
13 Fuel & Power	55,563	105,000		160,563
14 Cementing & Float Equip	155,000			155,000
16 Perforating, Wireline, Slickline	-	133,250	8,000	141,250
17 High Pressure Pump Truck	-	10,000		10,000
18 Completion Unit, Swab, CTU	-	60,000	12,040	72,040
20 Mud Circulation System	71,707			71,707
21 Mud Logging	16,534			16,534
22 Logging / Formation Evaluation	4,094	8,000		12,094
23 Mud & Chemicals	73,028	152,000		225,028
24 Water	27,882	261,596		289,478
25 Stimulation	-	360,000		360,000
26 Stimulation Flowback & Disp	-	84,000		84,000
28 Mud / Wastewater Disposal	96,938	68,000		164,938
30 Rig Supervision / Engineering	79,529	57,200	9,800	146,529
32 Drlg & Completion Overhead	6,401	-		6,401
35 Labor	108,500	23,000	10,000	141,500
54 Proppant		213,868		213,868
95 Insurance	22,513			22,513
97 Contingency	88,237	84,018	5,968	178,223
99 Plugging & Abandonment	-			-
TOTAL INTANGIBLES >	1,852,983	1,857,382	65,648	3,776,013

TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
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	-		-	-
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 Installation	-		-	-
78 Gas Conditioning / Dehydration			-	-
79 Interconnecting Facility Piping			-	-
80 Gathering / Bulk Lines			-	-
81 Valves, Dumps, Controllers			-	-
82 Tank / Facility Containment			-	-
83 Flare Stack			-	-
84 Electrical / Grounding			60,000	60,000
85 Communications / SCADA			-	-
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

PREPARED BY Colgate Energy:

Drilling Engineer:	Steven Segrest	
Completions Engineer:	Brady Adams	CRM
Production Engineer:	Levi Harris	

Colgate Energy APPROVAL:

Co-CEO	WH	Co-CEO	JW	VP - Operations	CRM
VP - Land & Legal	BG	VP - Geosciences	SO		

NON OPERATING PARTNER APPROVAL:

Company Name:		Working Interest (%):		Tax ID:	
Signed by:		Date:			
Title:		Approval:	<input type="checkbox"/> Yes <input type="checkbox"/> No (mark one)		

The costs on this AFE are estimates only and may not be construed as ceilings on any specific item or the total cost of the project. Tubing installation approved under the AFE may be delayed up to a year after the well has been completed. In executing this AFE, the Participant agrees to pay its proportionate share of actual costs incurred, including, legal, curative, regulatory, brokerage and well costs under the terms of the applicable joint operating agreement, regulatory order or other agreement covering this well. Participants shall be covered by and billed proportionately for Operator's well control and general liability insurance unless participant provides Operator a certificate evidencing its own insurance in an amount acceptable to the Operator by the date of spud.

Colgate Energy

303 W. Wall St. , Midland TX 79701

Phone (432) 695-4257 • Fax (432) 695-4063

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	10/22/2021	AFE NO.:	0
WELL NAME:	Bowie 30 State Com 131H	FIELD:	est Winchester; Bone Spri
LOCATION:	Parkway	MD/IVD:	13557 / 8150
COUNTY/STATE:	Eddy	LATERAL LENGTH:	5,080
Colgate WI:	0.00%	DRILLING DAYS:	18.83
GEOLOGIC TARGET:	3rd Bone Spring	COMPLETION DAYS:	11

REMARKS: Drill and Complete 30 stages in the 3rd Bone Spring formation. AFE includes D&C, flowback & initial ESP install.

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land / Legal / Regulatory	\$ 35,000	\$	\$	\$ 35,000
2 Location, Surveys & Damages	150,000	13,000	10,000	173,000
4 Freight / Transportation	55,500	33,250		88,750
5 Rental - Surface Equipment	51,422	111,100	4,640	167,162
6 Rental - Downhole Equipment	68,799	40,000		108,799
7 Rental - Living Quarters	33,517	40,100	5,200	78,817
10 Directional Drilling, Surveys	186,060			186,060
11 Drilling	445,251			445,251
12 Drill Bits	91,500			91,500
13 Fuel & Power	61,292	105,000		166,292
14 Cementing & Float Equip	155,000			155,000
16 Perforating, Wireline, Slickline	-	133,250	8,000	141,250
17 High Pressure Pump Truck	-	10,000		10,000
18 Completion Unit, Swab, CTU	-	60,000	12,040	72,040
20 Mud Circulation System	77,409			77,409
21 Mud Logging	18,012			18,012
22 Logging / Formation Evaluation	5,290	8,000		13,290
23 Mud & Chemicals	78,228	152,000		230,228
24 Water	28,037	279,884		307,921
25 Stimulation	-	360,000		360,000
26 Stimulation Flowback & Disp	-	84,000		84,000
28 Mud / Wastewater Disposal	96,938	68,000		164,938
30 Rig Supervision / Engineering	87,729	57,200	9,800	154,729
32 Drlg & Completion Overhead	7,061	-		7,061
35 Labor	108,500	23,000	10,000	141,500
54 Proppant		240,602		240,602
95 Insurance	24,403			24,403
97 Contingency	93,247	86,269	5,968	185,485
99 Plugging & Abandonment	-			-
TOTAL INTANGIBLES >	1,958,195	1,904,655	65,648	3,928,498

TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	\$ 9,590	\$	\$	\$ 9,590
61 Intermediate Casing	69,726			69,726
62 Drilling Liner	-			-
63 Production Casing	178,275			178,275
64 Production Liner	-			-
65 Tubing	-		34,097	34,097
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 Installation	-		-	-
78 Gas Conditioning / Dehydration			-	-
79 Interconnecting Facility Piping			-	-
80 Gathering / Bulk Lines			-	-
81 Valves, Dumps, Controllers			-	-
82 Tank / Facility Containment			-	-
83 Flare Stack			-	-
84 Electrical / Grounding			60,000	60,000
85 Communications / SCADA			-	-
86 Instrumentation / Safety			-	-
TOTAL TANGIBLES >	343,590	0	271,447	615,036
TOTAL COSTS >	2,301,785	1,904,655	337,095	4,543,534

PREPARED BY Colgate Energy:

Drilling Engineer:	Steven Segrest	
Completions Engineer:	Brady Adams	CRM
Production Engineer:	Levi Harris	

Colgate Energy APPROVAL:

Co-CEO	Co-CEO	VP - Operations
WH	JW	CRM
VP - Land & Legal	VP - Geosciences	
BG	SO	

NON OPERATING PARTNER APPROVAL:

Company Name:	Working Interest (%):	Tax ID:
Signed by:	Date:	
Title:	Approval:	<input type="checkbox"/> Yes <input type="checkbox"/> No (mark one)

The costs on this AFE are estimates only and may not be construed as ceilings on any specific item or the total cost of the project. Tubing installation approved under the AFE may be delayed up to a year after the well has been completed. In executing this AFE, the Participant agrees to pay its proportionate share of actual costs incurred, including, legal, curative, regulatory, brokerage and well costs under the terms of the applicable joint operating agreement, regulatory order or other agreement covering this well. Participants shall be covered by and billed proportionately for Operator's well control and general liability insurance unless participant provides Operator a certificate evidencing its own insurance in an amount acceptable to the Operator by the date of spud.

Colgate Energy

303 W. Wall St. , Midland TX 79701

Phone (432) 695-4257 • Fax (432) 695-4063

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	10/22/2021	AFE NO.:	0
WELL NAME:	Bowie 30 State Com 132H	FIELD:	est Winchester; Bone Spri
LOCATION:	Parkway	MD/IVD:	13557 / 8150
COUNTY/STATE:	Eddy	LATERAL LENGTH:	5,080
Colgate WI:	0.00%	DRILLING DAYS:	18.83
GEOLOGIC TARGET:	3rd Bone Spring	COMPLETION DAYS:	11

REMARKS: Drill and Complete 30 stages in the 3rd Bone Spring formation. AFE includes D&C, flowback & initial ESP install.

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land / Legal / Regulatory	\$ 35,000	\$	\$	\$ 35,000
2 Location, Surveys & Damages	150,000	13,000	10,000	173,000
4 Freight / Transportation	55,500	33,250		88,750
5 Rental - Surface Equipment	51,422	111,100	4,640	167,162
6 Rental - Downhole Equipment	68,799	40,000		108,799
7 Rental - Living Quarters	33,517	40,100	5,200	78,817
10 Directional Drilling, Surveys	186,060			186,060
11 Drilling	445,251			445,251
12 Drill Bits	91,500			91,500
13 Fuel & Power	61,292	105,000		166,292
14 Cementing & Float Equip	155,000			155,000
16 Perforating, Wireline, Slickline	-	133,250	8,000	141,250
17 High Pressure Pump Truck	-	10,000		10,000
18 Completion Unit, Swab, CTU	-	60,000	12,040	72,040
20 Mud Circulation System	77,409			77,409
21 Mud Logging	18,012			18,012
22 Logging / Formation Evaluation	5,290	8,000		13,290
23 Mud & Chemicals	78,228	152,000		230,228
24 Water	28,037	279,884		307,921
25 Stimulation	-	360,000		360,000
26 Stimulation Flowback & Disp	-	84,000		84,000
28 Mud / Wastewater Disposal	96,938	68,000		164,938
30 Rig Supervision / Engineering	87,729	57,200	9,800	154,729
32 Drlg & Completion Overhead	7,061	-		7,061
35 Labor	108,500	23,000	10,000	141,500
54 Proppant		240,602		240,602
95 Insurance	24,403			24,403
97 Contingency	93,247	86,269	5,968	185,485
99 Plugging & Abandonment	-			-
TOTAL INTANGIBLES >	1,958,195	1,904,655	65,648	3,928,498

TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	\$ 9,590	\$	\$	\$ 9,590
61 Intermediate Casing	69,726			69,726
62 Drilling Liner	-			-
63 Production Casing	178,275			178,275
64 Production Liner	-			-
65 Tubing	-		34,097	34,097
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 Installation	-		-	-
78 Gas Conditioning / Dehydration			-	-
79 Interconnecting Facility Piping			-	-
80 Gathering / Bulk Lines			-	-
81 Valves, Dumps, Controllers			-	-
82 Tank / Facility Containment			-	-
83 Flare Stack			-	-
84 Electrical / Grounding			60,000	60,000
85 Communications / SCADA			-	-
86 Instrumentation / Safety			-	-
TOTAL TANGIBLES >	343,590	0	271,447	615,036
TOTAL COSTS >	2,301,785	1,904,655	337,095	4,543,534

PREPARED BY Colgate Energy:

Drilling Engineer:	Steven Segrest	
Completions Engineer:	Brady Adams	CRM
Production Engineer:	Levi Harris	

Colgate Energy APPROVAL:

Co-CEO	Co-CEO	VP - Operations
WH	JW	CRM
VP - Land & Legal	VP - Geosciences	
BG	SO	

NON OPERATING PARTNER APPROVAL:

Company Name:	Working Interest (%):	Tax ID:
Signed by:	Date:	
Title:	Approval:	<input type="checkbox"/> Yes <input type="checkbox"/> No (mark one)

The costs on this AFE are estimates only and may not be construed as ceilings on any specific item or the total cost of the project. Tubing installation approved under the AFE may be delayed up to a year after the well has been completed. In executing this AFE, the Participant agrees to pay its proportionate share of actual costs incurred, including, legal, curative, regulatory, brokerage and well costs under the terms of the applicable joint operating agreement, regulatory order or other agreement covering this well. Participants shall be covered by and billed proportionately for Operator's well control and general liability insurance unless participant provides Operator a certificate evidencing its own insurance in an amount acceptable to the Operator by the date of spud.



RECEIVED  
Apache Corp

DEC 07 2020

Permian-Midland  
Land T. I.

Via Certified Mail

December 4, 2020

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

E-MAILED DEC 07 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: 2<sup>nd</sup> 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: 2<sup>nd</sup> 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: 3<sup>rd</sup> 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: 3<sup>rd</sup> 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](mailto:mhajdik@colgateenergy.com).

Sincerely,



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 Black Jack 29 State Com 123H.

\_\_\_\_\_ I/We hereby elect NOT to participate in the Black Jack 29 State Com 123H.

\_\_\_\_\_ I/We hereby elect to participate in the Black Jack 29 State Com 124H.

\_\_\_\_\_ I/We hereby elect NOT to participate in the Black Jack 29 State Com 124H.

\_\_\_\_\_ I/We hereby elect to participate in the Black Jack 29 State Com 133H.

\_\_\_\_\_ I/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

## ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	12/3/2020	AFE NO.:	0
WELL NAME:	Black Jack 29 State Com 123H	FIELD:	Winchester; Bone Spring
LOCATION:	Parkway	MD/TVD:	18129 / 7442
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 stages in the 2nd Bone Spring formation. AFE includes D&amp;C, flowback &amp; initial ESP install.

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land / Legal / Regulatory	\$ 35,000	\$	\$	\$ 35,000
2 Location, Surveys & Damages	150,000	13,000	10,000	173,000
4 Freight / Transportation	55,500	36,750		92,250
5 Rental - Surface Equipment	55,800	150,450	4,640	210,890
6 Rental - Downhole Equipment	68,799	56,000		124,799
7 Rental - Living Quarters	35,546	45,700	5,200	86,446
10 Directional Drilling, Surveys	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, Slickline	-	260,750	8,000	268,750
17 High Pressure Pump Truck	-	10,000		10,000
18 Completion Unit, Swab, CTU	-	150,000	12,040	162,040
20 Mud Circulation System	83,144			83,144
21 Mud Logging	19,499			19,499
22 Logging / Formation Evaluation	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	-	720,000		720,000
26 Stimulation Flowback & Disp	-	94,000		94,000
28 Mud / Wastewater Disposal	96,938	63,000		159,938
30 Rig Supervision / Engineering	95,975	79,600	9,800	185,375
32 Drlg & Completion Overhead	7,725	-		7,725
35 Labor	108,500	30,500	10,000	149,000
54 Proppant	-	436,156		436,156
95 Insurance	32,632			32,632
97 Contingency	97,274	154,242	5,968	257,484
99 Plugging & Abandonment	-			-
<b>TOTAL INTANGIBLES &gt;</b>	<b>2,042,761</b>	<b>3,332,080</b>	<b>65,648</b>	<b>5,440,489</b>
TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	\$ 9,590	\$	\$	\$ 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	-		-	-
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 Installation	-		-	-
78 Gas Conditioning / Dehydration	-		-	-
79 Interconnecting Facility Piping	-		-	-
80 Gathering / Bulk Lines	-		-	-
81 Valves, Dumps, Controllers	-		-	-
82 Tank / Facility Containment	-		-	-
83 Flare Stack	-		-	-
84 Electrical / Grounding	-		60,000	60,000
85 Communications / SCADA	-		-	-
86 Instrumentation / Safety	-		-	-
<b>TOTAL TANGIBLES &gt;</b>	<b>403,712</b>	<b>0</b>	<b>268,261</b>	<b>671,972</b>
<b>TOTAL COSTS &gt;</b>	<b>2,446,473</b>	<b>3,332,080</b>	<b>333,909</b>	<b>6,112,461</b>

PREPARED BY Colgate Energy:

Drilling Engineer: Steven Segrest  
 Completions Engineer: Brady Adams

CRM



## Colgate Energy

303 W. Wall St., Midland TX 79701

Phone (432) 695-4257 • Fax (432) 695-4063

## ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	12/3/2020	AFE NO.:	0
WELL NAME:	Black Jack 29 State Com 124H	FIELD:	Winchester; Bone Spring
LOCATION:	Parkway	MD/TVD:	18129 / 7442
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 stages in the 2nd Bone Spring formation. AFE includes D&amp;C, flowback &amp; initial ESP install.

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land / Legal / Regulatory	\$ 35,000	\$	\$	\$ 35,000
2 Location, Surveys & Damages	150,000	13,000	10,000	173,000
4 Freight / Transportation	55,500	36,750		92,250
5 Rental - Surface Equipment	55,800	150,450	4,640	210,890
6 Rental - Downhole Equipment	68,799	56,000		124,799
7 Rental - Living Quarters	35,546	45,700	5,200	86,446
10 Directional Drilling, Surveys	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, Slickline	-	260,750	8,000	268,750
17 High Pressure Pump Truck	-	10,000		10,000
18 Completion Unit, Swab, CTU	-	150,000	12,040	162,040
20 Mud Circulation System	83,144			83,144
21 Mud Logging	19,499			19,499
22 Logging / Formation Evaluation	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	-	720,000		720,000
26 Stimulation Flowback & Disp	-	94,000		94,000
28 Mud / Wastewater Disposal	96,938	63,000		159,938
30 Rig Supervision / Engineering	95,975	79,600	9,800	185,375
32 Drlg & Completion Overhead	7,725	-		7,725
35 Labor	108,500	30,500	10,000	149,000
54 Proppant		436,156		436,156
95 Insurance	32,632			32,632
97 Contingency	97,274	154,242	5,968	257,484
99 Plugging & Abandonment	-			-
<b>TOTAL INTANGIBLES &gt;</b>	<b>2,042,761</b>	<b>3,332,080</b>	<b>65,648</b>	<b>5,440,489</b>

TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	\$ 9,590	\$	\$	\$ 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	-		-	-
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 Installation	-		-	-
78 Gas Conditioning / Dehydration	-		-	-
79 Interconnecting Facility Piping	-		-	-
80 Gathering / Bulk Lines	-		-	-
81 Valves, Dumps, Controllers	-		-	-
82 Tank / Facility Containment	-		-	-
83 Flare Stack	-		-	-
84 Electrical / Grounding	-		60,000	60,000
85 Communications / SCADA	-		-	-
86 Instrumentation / Safety	-		-	-
<b>TOTAL TANGIBLES &gt;</b>	<b>403,712</b>	<b>0</b>	<b>268,261</b>	<b>671,972</b>
<b>TOTAL COSTS &gt;</b>	<b>2,446,473</b>	<b>3,332,080</b>	<b>333,909</b>	<b>6,112,461</b>

PREPARED BY Colgate Energy:

Drilling Engineer: Steven Segrest  
Completions Engineer: Brady Adams

CRM

## Colgate Energy

303 W. Wall St., Midland TX 79701

Phone (432) 695-4257 • Fax (432) 695-4063

## ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	12/3/2020	AFE NO.:	0
WELL NAME:	Black Jack 29 State Com 133H	FIELD:	Winchester; Bone Spring
LOCATION:	Parkway	MD/TVD:	19339 / 8652
COUNTY/STATE:	Eddy	LATERAL LENGTH:	10,360
Colgate WI:	0.00%	DRILLING DAYS:	23.25
GEOLOGIC TARGET:	3rd Bone Spring	COMPLETION DAYS:	16

REMARKS: Drill and Complete 60 stages in the 3rd Bone Spring formation. AFE includes D&amp;C, flowback &amp; initial ESP install.

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land / Legal / Regulatory	\$ 35,000	\$	\$	\$ 35,000
2 Location, Surveys & Damages	150,000	13,000	10,000	173,000
4 Freight / Transportation	55,500	36,750		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			155,000
16 Perforating, Wireline, Slickline	-	260,750	8,000	268,750
17 High Pressure Pump Truck	-	10,000		10,000
18 Completion Unit, Swab, CTU	-	150,000	12,040	162,040
20 Mud Circulation System	91,730			91,730
21 Mud Logging	21,725			21,725
22 Logging / Formation Evaluation	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 / Engineering	108,322	79,600	9,800	197,722
32 Drig & Completion Overhead	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 & Abandonment	-			-
TOTAL INTANGIBLES >	2,232,334	3,438,986	65,648	5,736,968

TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	\$ 9,590	\$	\$	\$ 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 Installation	-		-	-
78 Gas Conditioning / Dehydration	-		-	-
79 Interconnecting Facility Piping	-		-	-
80 Gathering / Bulk Lines	-		-	-
81 Valves, Dumps, Controllers	-		-	-
82 Tank / Facility Containment	-		-	-
83 Flare Stack	-		-	-
84 Electrical / Grounding	-		60,000	60,000
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

PREPARED BY Colgate Energy:

Drilling Engineer: Steven Segrest  
Completions Engineer: Brady Adams

CRM

## Colgate Energy

303 W. Wall St., Midland TX 79701

Phone (432) 695-4257 • Fax (432) 695-4063

## ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	12/3/2020	AFE NO.:	0
WELL NAME:	Black Jack 29 State Com 134H	FIELD:	Winchester; Bone Spring
LOCATION:	Parkway	MD/TVD:	19339 / 8652
COUNTY/STATE:		LATERAL LENGTH:	10,360
Colgate WI:		DRILLING DAYS:	23.25
GEOLOGIC TARGET:	3rd Bone Spring	COMPLETION DAYS:	16

REMARKS: Drill and Complete 60 stages in the 3rd Bone Spring formation. AFE includes D&amp;C, flowback &amp; initial ESP install.

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land / Legal / Regulatory	\$ 35,000	\$	\$	\$ 35,000
2 Location, Surveys & Damages	150,000	13,000	10,000	173,000
4 Freight / Transportation	55,500	36,750		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			155,000
16 Perforating, Wireline, Slickline	-	260,750	8,000	268,750
17 High Pressure Pump Truck	-	10,000		10,000
18 Completion Unit, Swab, CTU	-	150,000	12,040	162,040
20 Mud Circulation System	91,730			91,730
21 Mud Logging	21,725			21,725
22 Logging / Formation Evaluation	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 / Engineering	108,322	79,600	9,800	197,722
32 Drlg & Completion Overhead	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 & Abandonment	-			-
<b>TOTAL INTANGIBLES &gt;</b>	<b>2,232,334</b>	<b>3,438,986</b>	<b>65,648</b>	<b>5,736,968</b>
TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	\$ 9,590	\$	\$	\$ 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 Installation	-		-	-
78 Gas Conditioning / Dehydration	-		-	-
79 Interconnecting Facility Piping	-		-	-
80 Gathering / Bulk Lines	-		-	-
81 Valves, Dumps, Controllers	-		-	-
82 Tank / Facility Containment	-		-	-
83 Flare Stack	-		-	-
84 Electrical / Grounding	-		60,000	60,000
85 Communications / SCADA	-		-	-
86 Instrumentation / Safety	-		-	-
<b>TOTAL TANGIBLES &gt;</b>	<b>419,623</b>	<b>0</b>	<b>273,706</b>	<b>693,329</b>
<b>TOTAL COSTS &gt;</b>	<b>2,651,957</b>	<b>3,438,986</b>	<b>339,354</b>	<b>6,430,297</b>

PREPARED BY Colgate Energy:

Drilling Engineer: Steven Segrest

Completions Engineer: Brady Adams

CRM



RECEIVED  
Apache Corp  
MAR 09 2021  
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: 2<sup>nd</sup> 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: 2<sup>nd</sup> 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: 3<sup>rd</sup> 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: 3<sup>rd</sup> 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](mailto:mhajdik@colgateenergy.com).

Sincerely,



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 121H.  
☐ I/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 122H.  
☐ I/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 131H.  
☐ I/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 132H.  
☐ I/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

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	3/1/2021	A/E NO.:	0
WELL NAME:	Buckhorn 29 State Com 121H	FIELD:	Winchester; 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 stages in the 2nd Bone Spring formation. A/E includes D&C, flowback & initial ESP install.

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land /Legal/Regulatory	\$ 35,000	\$	\$	\$ 35,000
2 Location, Surveys & Damages	150,000	13,000	10,000	173,000
4 Freight / Transportation	55,500	36,750		92,250
5 Rental - Surface Equipment	55,800	150,450	4,640	210,890
6 Rental - Downhole Equipment	68,799	56,000		124,799
7 Rental - Living Quarters	35,546	45,700	5,200	86,446
10 Directional Drilling, Surveys	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, Slickline	-	260,750	8,000	268,750
17 High Pressure Pump Truck	-	10,000		10,000
18 Completion Unit, Swab, CTU	-	150,000	12,040	162,040
20 Mud Circulation System	83,144			83,144
21 Mud Logging	19,499			19,499
22 Logging/ Formation Evaluation	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	-	720,000		720,000
26 Stimulation Flowback & Disp	-	94,000		94,000
28 Mud /Wastewater Disposal	96,938	63,000		159,938
30 Rig Supervision/ Engineering	95,975	79,600	9,800	185,375
32 Drig & Completion Overhead	7,725	-		7,725
35 Labor	108,500	30,500	10,000	149,000
54 Proppant		436,156		436,156
95 Insurance	32,632			32,632
97 Contingency	97,274	154,242	5,968	257,484
99 Plugging & Abandonment	-			-
TOTAL INTANGIBLES >	2,042,761	3,332,080	65,648	5,440,489

TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	\$ 9,590	\$	\$	\$ 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	-			-
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 Installation	-			-
78 Gas Conditioning / Dehydration	-			-
79 Interconnecting Facility Piping	-			-
80 Gathering / Bulk Lines	-			-
81 Valves, Dumps, Controllers	-			-
82 Tank / Facility Containment	-			-
83 Flare Stack	-			-
84 Electrical / Grounding	-		60,000	60,000
85 Communications / SCADA	-			-
86 Instrumentation / Safety	-			-
TOTAL TANGIBLES >	403,712	0	268,261	671,972
TOTAL COSTS >	2,446,473	3,332,080	333,909	6,112,461

PREPARED BY Colgate Energy:

Drilling Engineer:	Steven Segrest	
Completions Engineer:	Brady Adams	CRM
Production Engineer:	Levi Harris	

Colgate Energy APPROVAL:

Co-CEO	WH	Co-CEO	JW	VP - Operations	CRM
VP - Land & Legal	BG	VP - Geosciences	SO		

NON OPERATING PARTNER APPROVAL:

Company Name:		Working Interest (%):		Tax ID:	
Signed by:		Date:			
Title:		Approval:	<input type="checkbox"/> Yes <input type="checkbox"/> No	(mark one)	

The costs on this A/E are estimates only and may not be considered as ceilings on any specific item or the total cost of the project. Taking installation approved under the A/E may be delayed up to a year after the well has been completed. In using this A/E, the Participant agrees to pay its proportionate share of actual costs incurred, including legal, regulatory, engineering and well costs under the terms of the applicable joint operating agreement, regulatory order or other agreement covering this well. Participants shall be recovered by and held proportionately for Operator's well control and general liability insurance without participant providing Operator a certificate evidencing the same to Operator in an amount acceptable to the Operator by the date of spend.

Colgate Energy

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

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	3/1/2021	A/E NO.:	0
WELL NAME:	Buckhorn 29 State Com 122H	FIELD:	Winchester; Bone Spring
LOCATION:	Parkway	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

REMARKS: Drill and Complete 60 stages in the 2nd Bone Spring formation. AFE includes D&C, flowback & initial ESP install.

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land / Legal / Regulatory	\$ 35,000	\$	\$	\$ 35,000
2 Location, Surveys & Damages	150,000	13,000	10,000	173,000
4 Freight / Transportation	55,500	36,750		92,250
5 Rental - Surface Equipment	55,800	150,450	4,640	210,890
6 Rental - Downhole Equipment	68,799	56,000		124,799
7 Rental - Living Quarters	35,546	45,700	5,200	86,446
10 Directional Drilling, Surveys	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, Slickline	-	260,750	8,000	268,750
17 High Pressure Pump Truck	-	10,000		10,000
18 Completion Unit, Swab, CTU	-	150,000	12,040	162,040
20 Mud Circulation System	83,144			83,144
21 Mud Logging	19,499			19,499
22 Logging / Formation Evaluation	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	-	720,000		720,000
26 Stimulation Flowback & Disp	-	94,000		94,000
28 Mud / Wastewater Disposal	96,938	63,000		159,938
30 Rig Supervision / Engineering	95,975	79,600	9,800	185,375
32 Drig & Completion Overhead	7,725	-		7,725
35 Labor	108,500	30,500	10,000	149,000
54 Proppant		436,156		436,156
95 Insurance	32,632			32,632
97 Contingency	97,274	154,242	5,968	257,484
99 Plugging & Abandonment	-			-
TOTAL INTANGIBLES >	2,042,761	3,332,080	65,648	5,440,489

TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	\$ 9,590	\$	\$	\$ 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	-		-	-
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 Installation	-		-	-
78 Gas Conditioning / Dehydration	-		-	-
79 Interconnecting Facility Piping	-		-	-
80 Gathering / Bulk Lines	-		-	-
81 Valves, Dumps, Controllers	-		-	-
82 Tank / Facility Containment	-		-	-
83 Flare Stack	-		-	-
84 Electrical / Grounding	-		60,000	60,000
85 Communications / SCADA	-		-	-
86 Instrumentation / Safety	-		-	-
TOTAL TANGIBLES >	403,712	0	268,261	671,972
TOTAL COSTS >	2,446,473	3,332,080	333,909	6,112,461

PREPARED BY Colgate Energy:

Drilling Engineer:	Steven Segrest	
Completions Engineer:	Brady Adams	CRM
Production Engineer:	Levi Harris	

Colgate Energy APPROVAL:

Co-CEO	WII	Co-CEO	JW	VP - Operations	CRM
VP - Land & Legal	BG	VP - Geosciences	SO		

NON OPERATING PARTNER APPROVAL:

Company Name:		Working Interest (%):		Tax ID:	
Signed by:		Date:			
Title:		Approval:	<input type="checkbox"/> Yes <input type="checkbox"/> No	(mark one)	

The costs on this AFE are estimates only and may not be consistent as changes on any specific item on the total cost of the project. Taking installation approved under the AFE may be delayed up to 30 days after the well has been completed. In executing this AFE, the Participant agrees to pay its proportionate share of actual costs incurred, including, legal, regulatory, brokerage and well costs under the terms of the applicable joint operating agreement, regulatory order or other agreement covering this well. Participants shall be costed by and billed proportionately for Operator's well control and general liability insurance unless participant provides Operator a certificate evidencing its own insurance on an amount acceptable to the Operator by the date of spend.



Colgate Energy

303 W. Wall St., Midland TX 79701

Phone (432) 695-4257 • Fax (432) 695-4063

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	3/1/2021	AFE NO.:	0
WELL NAME:	Buckhorn 29 State Com 131H	FIELD:	Winchester; Bone Spring
LOCATION:	Parkway	MD/TVD:	18,560 / 8,200
COUNTY/STATE:	Eddy	LATERAL LENGTH:	10,360
Colgate WI:	0.00%	DRILLING DAYS:	23.25
GEOLOGIC TARGET:	3rd Bone Spring	COMPLETION DAYS:	16
REMARKS:	Drill and Complete 60 stages in the 3rd Bone Spring formation. AFE includes D&C, flowback & initial ESP install.		

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land/Legal/Regulatory	\$ 35,000	\$	\$	\$ 35,000
2 Location, Surveys & Damages	150,000	13,000	10,000	173,000
4 Freight/Transportation	55,500	36,750		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			155,000
16 Perforating, Wireline, Slickline	-	260,750	8,000	268,750
17 High Pressure Pump Truck	-	10,000		10,000
18 Completion Unit, Swab, CTU	-	150,000	12,040	162,040
20 Mud Circulation System	91,730			91,730
21 Mud Logging	21,725			21,725
22 Logging/Formation Evaluation	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/Engineering	108,322	79,600	9,800	197,722
32 Drig & Completion Overhead	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 & Abandonment	-			-
TOTAL INTANGIBLES >	2,232,334	3,438,966	65,648	5,736,968
TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	\$ 9,590	\$	\$	\$ 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 Installation	-		-	-
78 Gas Conditioning/Dehydration	-		-	-
79 Interconnecting Facility Piping	-		-	-
80 Gathering/Bulk Lines	-		-	-
81 Valves, Dumps, Controllers	-		-	-
82 Tank/Facility Containment	-		-	-
83 Flare Stack	-		-	-
84 Electrical/Grounding	-		60,000	60,000
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

PREPARED BY Colgate Energy:

Drilling Engineer:	Steven Segrest	
Completions Engineer:	Brady Adams	CRM
Production Engineer:	Levi Harris	

Colgate Energy APPROVAL:

Co-CEO	WH	Co-CEO	JW	VP - Operations	CRM
VP - Land & Legal	BC	VP - Geosciences	SO		

NON OPERATING PARTNER APPROVAL:

Company Name:		Working Interest (%):		Tax ID:	
Signed by:		Date:			
Title:		Approval:	<input type="checkbox"/> Yes <input type="checkbox"/> No (mark one)		

The costs on this AFE are estimates only and may not be consistent as findings on any specific item on the total cost of the project. Taking installation approved under the AFE may be delayed up to 30 days after the well has been completed. In executing this AFE, the Participant agrees to pay its proportionate share of actual costs incurred, including, legal, executive, regulatory, brokerage and well costs under the terms of the applicable joint operating agreement, regulatory order or other agreement covering the well. Participants shall be covered by and billed proportionately for Operator's well control and general liability insurance unless participant provides Operator a certificate evidencing its own insurance as an amount acceptable to the Operator by the date of spend.

Colgate Energy

303 W. Wall St., Midland TX 79701

Phone (432) 695-4257 • Fax (432) 695-4063

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	3/1/2021	AFE NO.:	0
WELL NAME:	Buckhorn 29 State Com 132H	FIELD:	Winchester, Bone Spring
LOCATION:	Parkway	MD/TVD:	18,560 / 8,200
COUNTY/STATE:		LATERAL LENGTH:	10,360
Colgate WI:		DRILLING DAYS:	23.25
GEOLOGIC TARGET:	3rd Bone Spring	COMPLETION DAYS:	16
REMARKS:	Drill and Complete 60 stages in the 3rd Bone Spring formation. AFE includes D&C, flowback & initial ESP install.		

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land / Legal / Regulatory	\$ 35,000	\$ -	\$ -	\$ 35,000
2 Location, Surveys & Damages	150,000	13,000	10,000	173,000
4 Freight / Transportation	55,500	36,750	-	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	-	-	155,000
16 Perforating, Wireline, Slickline	-	260,750	8,000	268,750
17 High Pressure Pump Truck	-	10,000	-	10,000
18 Completion Unit, Swab, CTU	-	150,000	12,040	162,040
20 Mud Circulation System	91,730	-	-	91,730
21 Mud Logging	21,725	-	-	21,725
22 Logging / Formation Evaluation	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 / Engineering	108,322	79,600	9,800	197,722
32 Drig & Completion Overhead	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 & Abandonment	-	-	-	-
TOTAL INTANGIBLES >	2,232,334	3,438,986	65,648	5,736,968

TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	\$ 9,590	\$ -	\$ -	\$ 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 Installation	-	-	-	-
78 Gas Conditioning / Dehydration	-	-	-	-
79 Interconnecting Facility Piping	-	-	-	-
80 Gathering / Bulk Lines	-	-	-	-
81 Valves, Dumps, Controllers	-	-	-	-
82 Tank / Facility Containment	-	-	-	-
83 Flare Stack	-	-	-	-
84 Electrical / Grounding	-	-	60,000	60,000
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

PREPARED BY Colgate Energy:

Drilling Engineer:	Steven Segrist	
Completions Engineer:	Brady Adams	CRM
Production Engineer:	Levi Harris	

Colgate Energy APPROVAL:

Co-CEO	WH	Co-CEO	JW	VP - Operations	CRM
VP - Land & Legal	BG	VP - Geosciences	SO		

NON OPERATING PARTNER APPROVAL:

Company Name:		Working Interest (%):		Tax ID:	
Signed by:		Date:			
Title:		Approval:	<input type="checkbox"/> Yes <input type="checkbox"/> No (mark one)		

The costs on this AFE are estimates only and may not be credited as credits on any specific item or the total cost of the project. Taking installation approved under the AFE may be delayed up to a year after the well has been completed. In executing this AFE, the Participant agrees to pay its proportionate share of actual costs incurred, including, legal, creative, regulatory, technology and well costs under the terms of the applicable joint operating agreement, regulatory orders or other agreement covering this well. Participants shall be covered by and billed proportionately for Upstream's well control and general liability insurance unless participant provides Upstream a certificate evidencing its own insurance in an amount acceptable to the Upstreamer by the date of sign.