BEFORE THE OIL CONSERVATION DIVISION EXAMINER HEARING NOVEMBER 5, 2021

CASE NOS. 21727-21730

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

EDDY COUNTY, NEW MEXICO



Supplemental Exhibits J through O

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

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

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

Case Nos. 21727-21730

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

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

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

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Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detai

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

[371449] COLGATE OPERATING, LLC			
Active		Direction:	Horizontal
Oil		Multi-Lateral:	No
New		Mineral Owner:	State
		Surface Owner:	
D-25-19S-28E 1000 FNL 265 FWL			
32.63637,-104.13805 NAD83			
3358			
		Sing/Mult Compl:	Single
		Potash Waiver:	False
12486		True Vertical Depth:	7727
			0
formation	Тор	Producing Method	Obtained
09/25/2019			
09/26/2019		Current APD Expiration:	09/26/2021
03/04/2020		Gas Capture Plan Received:	09/25/2019
		TA Expiration:	
		•	
		PNR Expiration:	
		Last MIT/BHT:	
03/30/2021			
	Active Oil New D-25-19S-28E 1000 FNL 265 FWL 32.63637,-104.13805 NAD83 3358 12486 12537 Formation 09/25/2019 09/26/2019	Active Oil New D-25-19S-28E 1000 FNL 265 FWL 32.63637,-104.13805 NAD83 3358 12486 12537 Formation Top 09/25/2019 09/26/2019 03/04/2020	Active

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

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

Submitted by: Apache Corporation Hearing
Date: November 05, 2021 1/4

Case Nos. 21727-21730

Searches **Operator Data Hearing Fee Application**

Pit On Site: Number 1

Pit Type: Closed Loop Status: Active

Registration Denied: Closure Approved: Closure Denied:

Event Dates

Registered: 09/25/2019 Approved:

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

Notes

Detail Date

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

Well Completions

[65010] WINCHESTER; BONE SPRING

Status: Active Last Produced:

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

DHC: Consolidation Code:

Production Method:

Well Test Data

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

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

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

Searches **Operator Data Hearing Fee Application**

Notes

Event Dates

Initial Effective/Approval: 09/26/2019

06/24/2020 Most Recent Approval:

Confidential Requested On:

06/29/2020 Test Allowable Approval: 03/14/2020

TD Reached:

Deviation Report Received: No Directional Survey Run: Yes

Yes

Directional Survey Received: First Oil Production: First Injection:

Ready to Produce:

C-104 Approval: 06/29/2020

Plug Back:

Authorization Revoked Start:

TA Expiration:

Confidential Until:

Test Allowable End: 09/24/2020

DHC:

Rig Released: 03/14/2020

Logs Received: No

Closure Pit Plat Received: First Gas Production:

Completion Report Received: New Well C-104 Approval:

Revoked Until:

Well Completion History

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

Financial Assurance

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

Last Production for this well:

Inactive Additional Bond Due Date:

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

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

1/1800

In Violation: No

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

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

Compliance

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

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

cGC219137203

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

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

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Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detail

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				
BONE SPRING				
Depths				
Proposed:	13608		True Vertical Depth:	8810
Measured Vertical Depth:	13505		Plugback Measured:	0
measured vertical Deptil.	10000		r lagback measured.	
Formation Tops				
	Formation	Тор	Producing Method	d Obtained
Event Dates				
Initial APD Approval:	09/25/2019			
Most Recent APD Approval:	09/26/2019		Current APD Expiration:	09/26/2021
APD Cancellation:	03/20/2019		Current AFD Expiration.	03/20/2021
APD Extension Approval:				
Spud:	03/15/2020		Gas Capture Plan Received:	09/25/2019
Approved Temporary	03/13/2020		TA Expiration:	09/23/2019
Approved Temporary Abandonment:			IA Expiration.	
Shut In:				
Plug and Abandoned Intent			PNR Expiration:	
Received:			Last MIT/BHT:	
Well Plugged:			Last will/Dill.	
Site Release:				
Last Inspection:	03/30/2021			
Last Hispection:	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		

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Searches **Operator Data Hearing Fee Application**

Pit On Site: Number 1

Pit Type: Closed Loop Status: Active

Registration Denied: Closure Approved: Closure Denied:

Event Dates

Registered: 09/25/2019 Approved:

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

Notes

Detail Date

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

Well Completions

[65010] WINCHESTER; BONE SPRING

Status: Active Last Produced:

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

DHC: Consolidation Code:

Production Method:

Well Test Data

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

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

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

Searches Operator Data Hearing Fee Application

Notes

Event Dates

TD Reached:

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

Confidential Requested On: Test Allowable Approval:

03/28/2020

Yes

Deviation Report Received: No
Directional Survey Run: Yes

Directional Survey Received:
First Oil Production:
First Injection:

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

Plug Back:

Authorization Revoked Start:

TA Expiration:

Confidential Until:
Test Allowable End:

DHC:

Rig Released: 03/31/2020

Logs Received: No Closure Pit Plat Received:

First Gas Production:

Completion Report Received: New Well C-104 Approval:

Revoked Until:

Well Completion History

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

Financial Assurance

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 <a href="https://occupamel/occupam

Compliance

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

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

Incidents and Spills

No Incidents Found

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

Transporters			
	Transporter	Product	Most Recent for Property

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

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Searches Operator Data **Hearing Fee Application**

OCD Permitting

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

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

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

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Searches Operator Data	Hearing Fee Application
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No Pits Found

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

Well	Com	pletions
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[48035] OLD MILLMAN RANCH; BS (ASSOC)

New, Not Drilled Last Produced: Status:

Bottomhole Location:

M-33-19S-28E 430 FSL 10 FWL

Lat/Long: Acreage:

DHC:

320 33-19S-28E Units: M N O P 34-19S-28E Units: M N O P

Consolidation Code:

Production Method: Flowing

Communitization

Well Test Data

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

Choke Size: 0.000 inches

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

Perforations

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

Testing Method:

Formation)

Top Measured Depth

(End of Lateral)

Notes

Event Dates

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

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 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: Show All Production Export to Excel Last Production Injection Davs Water(BBLS) Oil(BBLS) Gas(MCF) Water(BBLS) P/I Co2(MCF) Gas(MCF) Other Time Frame Pressure 0 2021 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	Туре	Description		Pool(s)	

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Searches Operator Data **Hearing Fee Application**

OCD Permitting

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

General Well Information				
Operator:	[371449] COLGATE OPERATING, LLC			
Status:	Active		Direction:	Horizontal
Well Type:	Oil		Multi-Lateral:	No
Work Type:	New		Mineral Owner:	Federal
31.			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				
Fo	rmation	Тор	Producing Method Ob	otained
Event Dates				
Initial APD Approval:	10/21/2020			
Most Recent APD Approval:	10/23/2020		Current APD Expiration:	10/21/2022
APD Cancellation:				
APD Extension Approval:				
Spud:	12/14/2020		Gas Capture Plan Received:	10/23/2020
Approved Temporary			TA Expiration:	
Abandonment:				
Shut In:				
Plug and Abandoned Intent			PNR Expiration:	
Received:			Last MIT/BHT:	
Well Plugged:				
Site Release:				
Last Inspection:	04/08/2021			
-1				

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		

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Searches Operator Data Hearing Fee Application

No Pits Found

Casing —														
					ings and	Specifications for Strings Strings Cement and Tubing Intervals				ed and Cement and Plus			escription	
String/Hole Type	Taper	Date Set	Diameter	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1	12/14/2020	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 Last Produced:

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

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

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

DHC: Consolidation Code:

Production Method:

Well Test Data

 Production Test:
 Test Length:
 0 hours

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

Choke Size: 0.000 inches Testing Method:

 Gas Volume:
 0.0 MCF
 Oil Volume:
 0.0 bbls

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

 Disposition of Gas:
 Water Volume:
 0.0 bbls

Perforations

Bottom Measured Depth

Date (Where Completion Enters Top Vertical Depth Bottom Vertical Depth

Formation)

Top Measured Depth

mation) (End of Lateral)

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:
 02/15/2021

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

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

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

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EMNRD Home OCD Main Page OCD Rules Help

Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detail

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

General Well Information				
	MATERIAL COLORES OF THE COLORES OF THE COLOR			
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	Тор	Producing Metho	d Obtained
Event Dates				
Initial APD Approval:	10/02/2019			
Most Recent APD Approval:	10/08/2019		Current APD Expiration:	10/08/2021
APD Cancellation:			P	
APD Extension Approval:				
Spud:	12/31/2020		Gas Capture Plan Received:	10/02/2019
Approved Temporary	12/3 1/2020		TA Expiration:	10/02/2013
Abandonment:			IS Expiration.	
Shut In:				
			DND Expiration:	
Plug and Abandoned Intent			PNR Expiration:	04/40/2024
Received:			Last MIT/BHT:	01/10/2021
Well Plugged:				
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		

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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														
			ings and	Specifications for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description				
String/Hole Type	Taper	Date Set	Diameter	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1	12/31/2020	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 10/08/2019 Most Recent Approval:

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:

Rig Released:

DHC:

Logs Received: Closure Pit Plat Received:

First Gas Production:

Completion Report Received: New Well C-104 Approval:

Revoked Until:

Well Completion History

Effective Property Date

Well Number

Operator

Completion Status

TΑ Expiration

Date

10/08/2019

Effective

[326127] LADY FRANKLIN 25 STATE

Base

Balance

#134H

Issuer

[371449] COLGATE OPERATING, LLC

Cash/Surety

Suretv

New, Not Drilled

Cancellation Date

No

Financial Assurance

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

Last Production for this well: 1/1800

Inactive Additional Bond Due Date:

Bond Type

Bonding Depth: 8778 42556 Required Well Bond Amount: Well Bond Required Now: No 0

Amount of Well Bond In Place:

Variance: 42556 Note: This well is covered by this operator's Blanket Bond(s).

In Violation: No

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

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

Compliance

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

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

Incidents and Spills

No Incidents Found

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

Searches Operator Data Hearing Fee Application

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

Transporters			
	Transporter	Product	Most Recent for Property

Points of Disposition			
ID	Туре	Description	Pool(s)

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Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detai

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

Operator:	[371449] COLGATE OPERATING, LLC			
Status:	Active		Direction:	Horizontal
Well Type:	Oil		Multi-Lateral:	No
Work Type:	New		Mineral Owner:	State
			Surface Owner:	
Surface Location:	M-25-19S-28E 1291 FSL 265 FWL			
Lat/Long:	32.6281503,-104.1380427 NAD83			
GL Elevation:	3333			
KB Elevation:			Sing/Mult Compl:	Single
DF Elevation:			Potash Waiver:	False
Proposed Formation and/or Notes				
•				
BONE SPRING				
Depths				
Proposed:	12519		True Vertical Depth:	7764
Measured Vertical Depth:	0		Plugback Measured:	13388
Formation Tops				
1	Formation	Тор	Producing Method	Obtained
Event Dates				
	10/02/2010			
Initial APD Approval: Most Recent APD Approval:	10/02/2019		Current ABD Expiration:	10/09/2021
APD Cancellation:	10/08/2019		Current APD Expiration:	10/08/2021
APD Extension Approval:	01/12/2021		Gas Capture Plan Received:	10/02/2019
Spud: Approved Temporary	01/12/2021		TA Expiration:	10/02/2019
Abandonment:			in Expiration.	
Shut In:				
Plug and Abandoned Intent			PNR Expiration:	
Received:			Last MIT/BHT:	
Well Plugged:			Last WIII/DITI.	
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		

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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	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1	01/13/2021	17.500	0	334		0	0.0	0	0			0	No
Surface Casing	1		13.375	0	334	J-55	334	54.5	334	0	Circ		410	Yes
Hole 2	1	01/14/2021	12.250	334	3026		0	0.0	0	0			0	No
Intermediate 1 Casing	1		9.625	0	3026	J-55	3026	40.0	3026	0	Circ		735	Yes
Hole 3	1	01/20/2021	8.750	3026	12507		0	0.0	0	0			0	No
Production Casing	1		5.500	0	12487	HCP- 110	12487	20.0	12487	208	Theory	Type H Cement	1755	Yes

Well Completions

[65010] WINCHESTER; BONE SPRING

Status: Active Last Produced:

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

 Lat/Long:
 32.6270085,-104.1219529 NAD83

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

DHC: Consolidation Code:

Production Method:

Well Test Data

 Production Test:
 Test Length:
 0 hours

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

Choke Size: 0.000 inches Testing Method:

 Gas Volume:
 0.0 MCF
 Oil Volume:
 0.0 bbls

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

 Disposition of Gas:
 Water Volume:
 0.0 bbls

			Searches	Operator Data	Hearing Fee Application
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	7942	12262	0	0	
				·	

Notes

Event Dates

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

Confidential Requested On:

Test Allowable Approval: 07/15/2021

TD Reached: 01/20/2021

Deviation Report Received: No
Directional Survey Run: Yes
Directional Survey Received: Yes

First Oil Production: First Injection:

Ready to Produce: 04/20/2021 C-104 Approval: 07/15/2021

Plug Back:

Authorization Revoked Start:

TA Expiration:

Confidential Until:

Test Allowable End: 10/15/2021

DHC:

Rig Released: 01/21/2021 Logs Received: No

Logs Received:

Closure Pit Plat Received:

First Gas Production:

Completion Report Received: New Well C-104 Approval:

Revoked Until:

Well Completion History

Effective Date	Property	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 <u>OCDAdminComp@state.nm.us</u> or fax a letter to (505) 476-3462.

Compliance

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

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

Searches **Operator Data Hearing Fee Application Orders** No Orders Found Production / Injection Earliest Production in OCD Records: Show All Production Export to Excel Production Injection Days P/I Water(BBLS) Co2(MCF) 0 0 0 0 Grand Total: 0 0 0 N/A **Transporters** Product Most Recent for Property Transporter **Points of Disposition** ID Туре Description Pool(s) Gas LADY FRANKLIN 25 STATE #131H [65010] WINCHESTER;BONE SPRING 4036133 [65010] WINCHESTER;BONE SPRING 4036132 Oil LADY FRANKLIN 25 STATE #131H New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012

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Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detail

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

General Well Information				
Operator:	[371449] COLGATE OPERATING, LLC			
Status:	Active		Direction:	Horizontal
Well Type:	Oil		Multi-Lateral:	No
Work Type:	New		Mineral Owner:	State
71			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	Тор	Producing Meth	od 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:	0.4/0.4/0.004			10/00/00 10
Spud:	01/21/2021		Gas Capture Plan Received:	10/02/2019
Approved Temporary			TA Expiration:	
Abandonment:				
Shut In:			DND Expiration	
Plug and Abandoned Intent			PNR Expiration: Last MIT/BHT:	
Received:			Last WIII/DNI:	
Well Plugged:				
Site Release:	04/00/0004			
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		

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OCD Permitting - Well Details

SIGN-IN HELP

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

			Boreho Equipme	les, Strir ent Speci	_		ications for and Tubing	_	_	Cement		Cement and	l Plug Des	cription
String/Hole Type	Taper	Date Set	Diameter	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressure Test (Y/N)
Hole 1	1	01/21/2021	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**

0

01/30/2021

Perforations

Top Measured Depth Date

(Where Completion Enters

Bottom Measured Depth (End of Lateral)

13392

Top Vertical Depth

Bottom Vertical Depth

Formation)

9042

Notes

Event Dates

TD Reached:

Initial Effective/Approval:

10/08/2019

Most Recent Approval:

Deviation Report Received:

Directional Survey Received:

Directional Survey Run:

04/20/2021

Confidential Requested On: Test Allowable Approval:

07/15/2021

01/29/2021

No

Yes

04/12/2021

04/20/2021

Yes

First Injection:

Ready to Produce:

C-104 Approval:

First Oil Production:

Authorization Revoked Start:

TA Expiration:

Confidential Until: Test Allowable End:

0

Rig Released:

Logs Received:

No

Closure Pit Plat Received:

First Gas Production:

Completion Report Received:

New Well C-104 Approval:

Revoked Until:

Surety

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

Last Production for this well:

Bonding Depth:

1/1800

Inactive Additional Bond Due Date:

8828 Required Well Bond Amount: 42656

No

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

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

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

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

Compliance

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

EMNRD Home

OCD Main Page

OCD Rules

Searches Operator Data **Hearing Fee Application**

OCD Permitting

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

General Well Information				
Operator:	[371449] COLGATE OPERATING, LLC			
Status:	Active		Direction:	Horizontal
Well Type:	Oil		Multi-Lateral:	No
Work Type:	New		Mineral Owner:	State
			Surface Owner:	
Surface Location:	L-25-19S-28E 1381 FSL 265 FWL			
Lat/Long:	32.62839,-104.13804 NAD83			
GL Elevation:	3335			
KB Elevation:			Sing/Mult Compl:	Single
DF Elevation:			Potash Waiver:	False
Proposed Formation and/or Notes				
BONE SPRING				
Depths				
Proposed:	12550		True Vertical Depth:	0
·				
Measured Vertical Depth:	0		Plugback Measured:	0
Formation Tops				
	Formation	Тор	Producing Method	Obtained
Event Dates				
Initial APD Approval:	10/02/2019			
Most Recent APD Approval:	10/08/2019		Current APD Expiration:	10/08/2021
APD Cancellation:				-
APD Extension Approval:				
Spud:	01/31/2021		Gas Capture Plan Received:	10/02/2019
Approved Temporary	0170172021		TA Expiration:	10/02/2010
Abandonment:			in Explication.	
Shut In:				
			DND Expiration:	
Plug and Abandoned Intent			PNR Expiration:	
Received:			Last MIT/BHT:	
Well Plugged:				
Site Release:				
Last Inspection:	02/07/2021			

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

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Searches Operator Data Hearing Fee Application

Pit On Site: Number 1

Pit Type: Closed Loop Status: Active

Registration Denied: Closure Approved: Closure Denied:

Event Dates

Registered: Approved: 10/02/2019

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

Notes

Date Detail

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

Well Completions

[65010] WINCHESTER; BONE SPRING

Status: Active Last Produced:

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

 Lat/Long:
 32.63036,-104.12196 NAD83

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

DHC: Consolidation Code:
Production Method:

Well Test Data

Searches **Operator Data Hearing Fee Application**

Perforations

Top Measured Depth Date

(Where Completion Enters

Bottom Measured Depth (End of Lateral)

Top Vertical Depth

Bottom Vertical Depth

Formation)

8150

12325

0

0

02/07/2021

No

Notes

Event Dates

TD Reached:

Initial Effective/Approval:

10/08/2019

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

Deviation Report Received:

Directional Survey Received:

Directional Survey Run:

First Oil Production:

04/13/2021

04/16/2021

02/05/2021

Yes

Yes

No

First Injection:

Ready to Produce: 06/24/2020 04/16/2021 C-104 Approval:

Plug Back:

Authorization Revoked Start:

TA Expiration:

Confidential Until: Test Allowable End:

Rig Released:

Logs Received:

Closure Pit Plat Received:

First Gas Production:

Completion Report Received:

New Well C-104 Approval:

Revoked Until:

Well Completion History

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

Financial Assurance

Bond Type Balance Effective Base Issuer Cash/Surety Cancellation Date

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

Last Production for this well:

1/1800

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

0 (Proposed:12550)

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

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

In Violation:

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

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

Compliance

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

Searches Operator Data Hearing Fee Application

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

Orders		
No Orders Found		

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

Transporters			
	Transporter	Product	Most Recent for Property

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

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Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detail

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

General Well Information				
0	10744401 COLICATE ODERATINO LLO			
Operator:	[371449] COLGATE OPERATING, LLC		Discotions	Harimontol .
Status:	Active		Direction:	Horizontal
Well Type:	Oil		Multi-Lateral:	No
Work Type:	New		Mineral Owner:	State
			Surface Owner:	
Surface Location:	D-25-19S-28E 1135 FNL 265 FWL			
Lat/Long:	32.636002,-104.13805 NAD83			
GL Elevation:	3358			
KB Elevation:			Sing/Mult Compl:	Single
DF Elevation:			Potash Waiver:	False
Proposed Formation and/or Notes				
BONE SPRING				
Depths				
Proposed:	13734		True Vertical Depth:	8805
Measured Vertical Depth:	13739		Plugback Measured:	0
measured vertical Deptil.	10700		i iuguack measurea.	
Formation Tops				
	Formation	Тор	Producing Metho	d Obtained
Event Dates				
Initial APD Approval:	09/25/2019			
Most Recent APD Approval:	09/26/2019		Current APD Expiration:	09/26/2021
APD Cancellation:			p	
APD Extension Approval:				
Spud:	02/08/2021		Gas Capture Plan Received:	09/25/2019
Approved Temporary	02/00/2021		TA Expiration:	00/20/2010
Abandonment:			Expiration	
Shut In:				
Plug and Abandoned Intent			PNR Expiration:	
Received:			Last MIT/BHT:	03/30/2021
			Last WIII/DNI.	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		

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Searches **Operator Data Hearing Fee Application**

Pit On Site: Number 1

Pit Type: Closed Loop Status: Active

Registration Denied: Closure Approved: Closure Denied:

Event Dates

Registered: 09/25/2019 Approved:

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

Notes

Detail Date

					ings and		cations for			Cemente Intervals	d and	Cement a	nd Plug D	escription
String/Hole Type	Taper	Date Set	Diameter	Тор	Bottom (Depth)	Grade	Length	Weight	Bot of Cem	Top of Cem	Meth	Class of Cement	Sacks	Pressur 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
ntermediate 1 Casing	1	02/10/2021	9.625	0	3061	J-55	3061	36.0	3061	0	Circ	Class C Cement	612	Yes
Hole 3	1	02/19/2021	8.750	3061	13719		0	0.0	0	0			0	No
Production Casing	1	02/19/2021	5.500	0	13719	HCP- 110	13719	20.0	13719	7997	Circ	Type H Cement	1601	No

Well Completions

[65010] WINCHESTER; BONE SPRING

Status: Active Last Produced:

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

DHC: Consolidation Code:

Production Method:

Well Test Data

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

Choke Size: 0.000 inches Testing Method:

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

			Searches	Operator Data	Hearing Fee Application
	2224	40700			
	9001	13523	0	0	

Notes

Event Dates

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

07/08/2021

02/18/2020

Confidential Requested On:

Test Allowable Approval:

TD Reached:

Deviation Report Received: No Directional Survey Run: Yes Directional Survey Received: Yes

First Oil Production: First Injection:

Ready to Produce: 07/08/2021 C-104 Approval:

Plug Back:

Authorization Revoked Start:

TA Expiration: Confidential Until:

OCD Permitting - Well Details

Test Allowable End: DHC:

Rig Released: Logs Received:

Closure Pit Plat Received:

02/20/2021

No

First Gas Production:

Completion Report Received: New Well C-104 Approval:

Revoked Until:

Well Completion History

Effective Date	Property	Well Number	Operator	Completion Status	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:

8805 **Bonding Depth:** 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 or fax a letter to (505) 476-3462.

Compliance

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

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

cGC219137443

Searches **Operator Data Hearing Fee Application** Actions/Events **Event Date** Category Туре Incidents and Spills No Incidents Found Please note that incidents that impact ground water are recorded along with "facilities" which may not be wells, so although the initial report may be recorded here as a spill, information related to the abatement plans, remediation plans and ground water impact information are not yet part of this application. Orders Ō. NSL-8161-0 Applicant: [371449] COLGATE OPERATING, LLC Contact: Brian Wood Approved By: Reviewer: Leonard Lowe Issuing Office: Santa Fe **Processing Dates** 03/17/2021 Ordered: 04/26/2021 Received: 04/26/2021 Denied: Approved: Expiration: Cancelled: **Order Pools** Pool Gas Percent Oil Percent [65010] WINCHESTER; BONE SPRING 0 Production / Injection Earliest Production in OCD Records: Show All Production Last Export to Excel Production Injection Time Frame Oil(BBLS) Gas(MCF) Water(BBLS) P/I Water(BBLS) Co2(MCF) Other Grand Total: 0 0 0 0 0 0 0 0 N/A **Transporters** Transporter Product Most Recent for Property **Points of Disposition** ID Pool(s) Туре Description 4036133 Gas LADY FRANKLIN 25 STATE #131H [65010] WINCHESTER; BONE SPRING 4036132 Oil LADY FRANKLIN 25 STATE #131H [65010] WINCHESTER; BONE SPRING

Searches Operator Data Hearing Fee Application

EMNRD Home OCD Main Page OCD Rules Help

Searches Operator Data

Hearing Fee Application

OCD Permitting

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

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

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

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Searches Operator Data Hearing Fee Application

No Pits Found

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

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

[97569] WINCHESTER; BONE SPRING, WEST

Status: Active Last Produced:

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

 Lat/Long:
 32.6107466,-104.2254439 NAD83

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

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

DHC: Consolidation Code:

Production Method:

Well Test Data

 Production Test:
 Test Length:
 0 hours

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

Choke Size: 0.000 inches Testing Method:

 Gas Volume:
 0.0 MCF
 Oil Volume:
 0.0 bbls

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

 Disposition of Gas:
 Water Volume:
 0.0 bbls

Perforations

Bottom Measured Depth

Date (Where Completion Enters Top Vertical Depth Bottom Vertical Depth

Formation) (End of Lateral)

9038 18668 0 0

Notes

Top Measured Depth

Searches Operator Data Hearing Fee Application

Deviation Report Received: No Rig Released:

Directional Survey Run: No Logs Received: No

 Directional Survey Received:
 No
 Closure Pit Plat Received:

 First Oil Production:
 First Gas Production:

First Injection:

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

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

Plug Back:

Authorization Revoked Start: Revoked Until:

Well Completion History

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

Financial Assurance

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

Compliance

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

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

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

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Searches Operator Data Hearing Fee Application

OCD Permitting

Home Searches Wells Well Detail

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

General Well Information				
Operator:	[371449] COLGATE OPERATING, LLC			
Status:	Active	Direction:	Horizontal	
Well Type:	Oil	Multi-Lateral:	No	
Work Type:	New	Mineral Owner:	Federal	
		Surface Owner:	State	
Surface Location:	P-32-19S-28E 1253 FSL 300 FEL			
Lat/Long:	32.6133411,-104.1915873 NAD83			
GL Elevation:	3341			
KB Elevation:		Sing/Mult Compl:	Single	
DF Elevation:		Potash Waiver:	False	
Proposed Formation and/or Note	es			
Depths				
Proposed:	6957	True Vertical Depth:	0	
Measured Vertical Depth:	0	Plugback Measured:	0	
Formation Tops				
	Formation	Top Producing N	lethod 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	d: 11/25/2020	
Approved Temporary		TA Expiration:		
Abandonment:				
Shut In:				
Plug and Abandoned Intent		PNR Expiration:		
r rag and Abandonou intent				
Received:		Last MIT/BHT:		
		Last MIT/BHT:		
Received:		Last MIT/BHT:		

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

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

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- New I
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- New
- New \

Searches **Operator Data Hearing Fee Application**

No Pits Found

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

Well Completions

[97569] WINCHESTER; BONE SPRING, WEST

Last Produced: Status:

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

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

DHC: Consolidation Code:

Production Method:

Well Test Data

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

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

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

Perforations

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

Formation)

Top Measured Depth

Notes

Event Dates

Searches **Operator Data Hearing Fee Application** Directional Survey Run: Nο Logs Received: Nο **Directional Survey Received:** No Closure Pit Plat Received: First Gas Production: First Oil Production: First Injection: 09/13/2021 Completion Report Received: Ready to Produce: New Well C-104 Approval: 09/15/2021 C-104 Approval: Plug Back: Authorization Revoked Start: Revoked Until: **Well Completion History** TA Effective Well Property Operator **Completion Status** Expiration Date Number Date 09/13/2021 #124H [371449] COLGATE OPERATING, LLC [329864] DAKOTA 32 STATE FEDERAL COM Active #124H 12/01/2020 [329864] DAKOTA 32 STATE FEDERAL COM [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 rele	equests to release bonds must be submitted in writing. You may send an e-mail to OCDAdminComp@state.nm.us or fax a letter to (505) 476-3462.									

Compliance

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

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

Incidents and Spills

No Incidents Found

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

Orders

No Orders Found

Production / Injection **Earliest Production in OCD Records:** Show All Production Export to Excel Last Production Injection Davs 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 N/A

Transporters

Searches

Operator Data

SIGN-IN HELP

Hearing Fee Application

ID	Туре	Description	Pool(s)	
4037610	Gas	DAKOTA 32 STATE FEDERAL COM #13/1H	[07560] WINCHESTER: RONE SPRING WEST	

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

D 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

J. Dub. posted at a legal location in Unit L1 Section 30-19S-28E

J. Dub. posted at a legal location in Unit L1 Section 30-19S-28E

J. Dub. posted at a legal location in Unit L3 Section 30-19S-28E

J. Dub. posted at a legal location in Unit L3 Section 30-19S-28E

J. Dub. posted at a legal location in Unit L3 Section 30-19S-28E

J. Dub. posted at a legal location in Unit L3 Section 30-19S-28E

J. Dub. posted at a legal location in Unit L3 Section 30-19S-28E

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J. Dub. posted at a legal location in Unit L3 Section 30-19S-28E

J. Dub. posted at a legal location in Unit L3 Section 30-19S-28E

J. Dub. posted at a legal location in Unit L3 Section 30-19S-28E

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J. Dub. posted at a legal location in Unit L3 Section 30-19S-28E

J. Dub. posted at a legal location in Unit L3 Section 30-19S-28E

J. Dub. posted at a legal location in Unit L3 Section 30-19S-28E

J. Dub. posted at a legal location in Unit L3 Section 30-19S-28E

J. Dub. posted at a legal location in Unit L3 Section 30-19S-28E

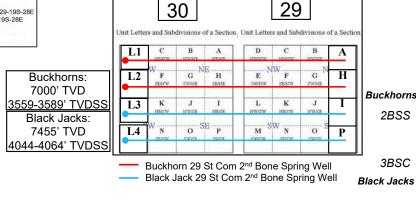
J. Dub. posted at a legal location in Unit L3 Section 30-19S-28E

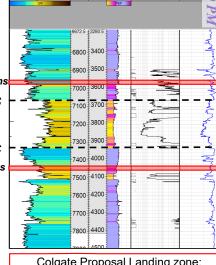
J. Dub. posted at a legal location in Unit L3 Section 30-19S-28E

J. Dub. posted at a legal locati

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 2nd Bone Spring wells placed below the base of 2nd Bone Spring Sandstone in the 3rd Bone Spring Carbonate Section.
- No Apache operated wells have targeted this 3rd Bone Spring Carbonate sand stringer. This sand stringer is thinner and has worse reservoir quality than the 2nd Bone Spring Sandstone. The carbonate zones bounding the stringer cannot be fracced.



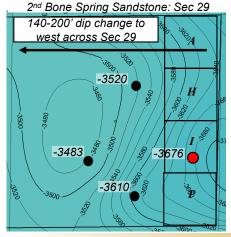


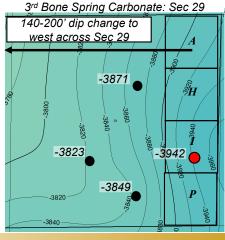
Type Well for Targeting: Sec 29

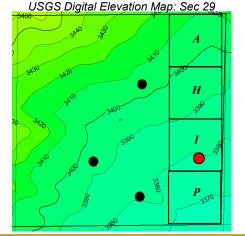
Colgate Proposal Landing zone: Buckhorns target shallower than 2nd Bone Spring Sandstone; Black Jacks target in thin sand stringer in

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

No production history, bounding 3rd 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

Buckhorn 131H:

8200' TVD

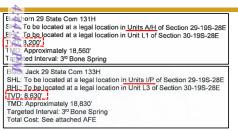
4759-4789' TVDSS

Black Jacks:

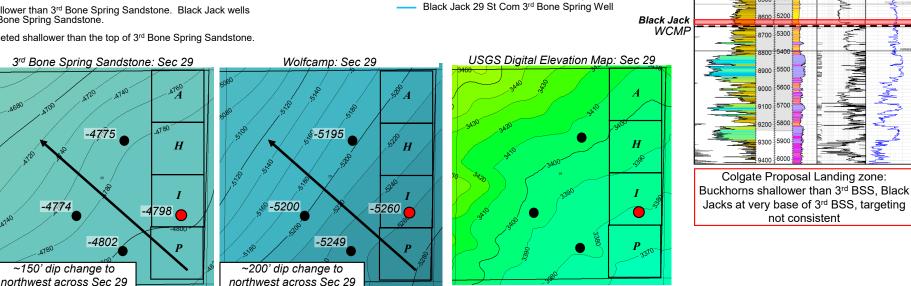
8630' TVD

5219-5239' TVDss

BONE SPRING SAND WELLS



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



30

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29

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Buckhorn

3rd BSS

G

0

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

Buckhorn 29 St Com 3rd Bone Spring Well

M



7900 4500

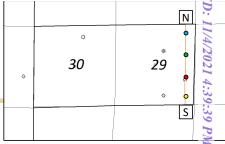
8000 \$4600

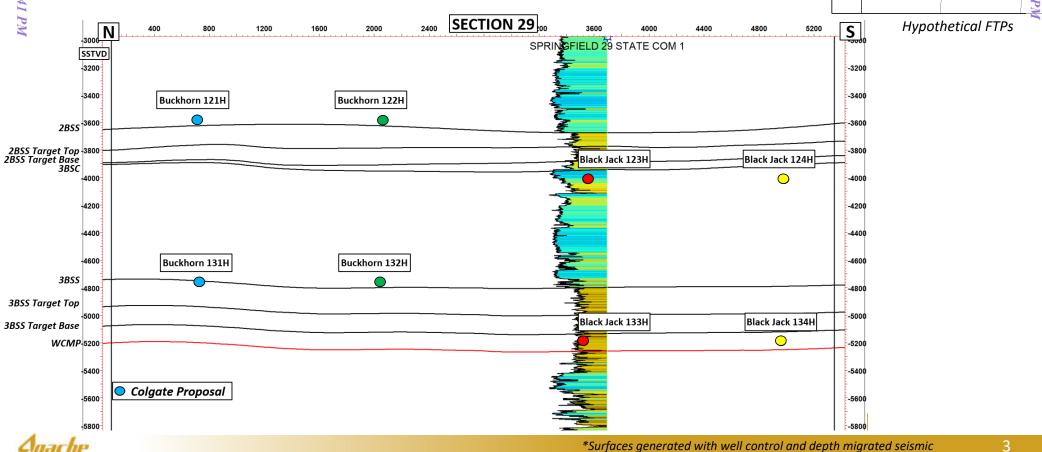
8100 - 4700

8500 \$5100

8300 8400 \$5000

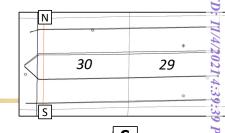
ARBITRARY LINE COLGATE WELL PROPOSAL LANDING TVDS

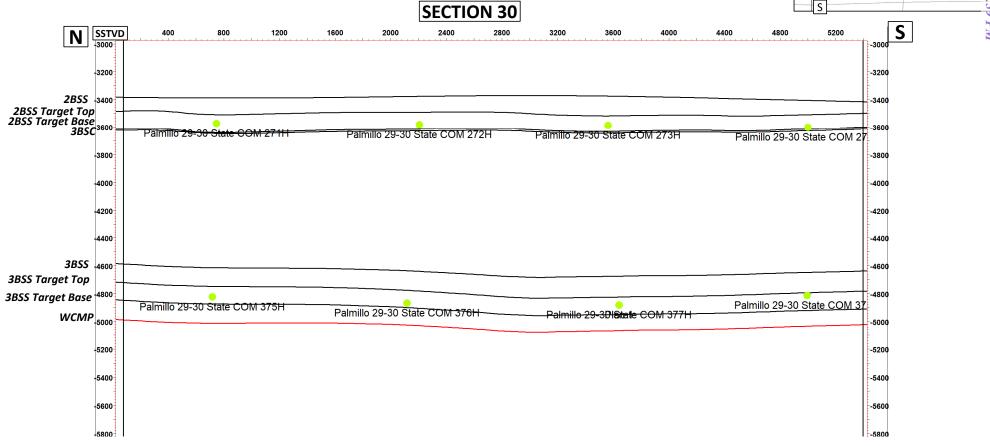




ARBITRARY LINE

APACHE WELL PROPOSAL LANDING TVDS







*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.

Sincerely,

COLGATE OPERATING, LLC

Mark Hajdik

Senior Staff Landman

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

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

Case Nos. 21727-21730

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

Page 2 of 3

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

Page 3 of 3

Participate / Rejection Declaration

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

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

Colgate Energy

	FSTIMATE (Phone (432) 695-4257 •	` '	TTIBE	
DATE:	10/22/2021	F COS15 AND AUTIC	ORIZATION FOR EXPENDI	AFE NO.:	0
WELL NAME:	Bowie 30 State COM 1211	П			Winchester; Bone Spri
LOCATION:	Parkway	.1		MD/TVD:	12507 / 7100
					· · · · · · · · · · · · · · · · · · ·
COUNTY/STATE:	Eddy			LATERAL LENGTH:	5,080
Colgate WI:	0.00%			DRILLING DAYS:	17.07
GEOLOGIC TARGET:	2nd Bone Spring		•	COMPLETION DAYS:	11
REMARKS:	Drill and Complete 30 sta	ages in the 2nd Bone S	pring formation. AFE incl	ludes D&C, flowback & i	nitial ESP install.
INTANGIBL	I F COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land/Legal/Regulatory	y \$_	35,000	\$	\$	\$ 35,000
2 Location, Surveys & Dan	_	150,000	13,000	10,000	173,000
4 Freight/Transportation		55,500	33,250		88,750
5 Rental - Surface Equipme		47,069	111,100	4,640	162,809
6 Rental - Downhole Equip	-	68,499	40,000	F 200	108,499
7 Rental - Living Quarters 10 Directional Drilling Su		31,500 163,640	40,100	5,200	76,800 163,640
10 Directional Drilling, Su	irveys	163,640			163,640
11 Drilling		414,850			414,850
12 Drill Bits		81,000 55 563	105 000		81,000
13 Fuel & Power 14 Cementing & Float Four		55,563 155,000	105,000		160,563
14 Cementing & Float Equ 16 Perforating, Wireline, S	<u>-</u>	155,000	133 250	8 000	155,000 141,250
16 Perforating, Wireline, S 17 High Pressure Pump Tr	-		133,250	8,000	141,250
17 High Pressure Pump Tr 18 Completion Unit, Swab			10,000 60,000	12.040	10,000 72,040
18 Completion Unit, Swab 20 Mud Circulation System			00,000	14,040	
20 Mud Circulation System	n ,	71,707 16 534			71,707
21 Mud Logging 22 Logging / Formation Ev.		16,534 4,094	8 000		16,534
22 Logging / Formation Eve	aluation	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 Disp		96,938	68,000		164,938
30 Rig Supervision / Engin	<u> </u>	79,529	57,200	9,800	146,529
32 Drlg & Completion Ove		6,401	-	-,	6,401
35 Labor	, illeau	108,500	23,000	10,000	141,500
	,	100,500		10,000	
54 Proppant 95 Insurance	,	22 513	213,868		213,868
95 Insurance 97 Contingency	,	22,513 88 237	94.018	E 068	
97 Contingency		88,237	84,018	5,968	178,223
99 Plugging & Abandonme		-			-
	TOTAL INTANGIBLES >	1,852,983	1,857,382	65,648	3,776,013
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE	₫ COSTS	COSTS	COSTS	COSTS	COSTS
60 Surface Casing	Ψ	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	i	22,000	-	3,500	25,500
68 Tanks	-	-		-	-
69 Production Vessels	-	-		-	-
70 Flow Lines	-			-	
71 Rod string	-				
72 Artificial Lift Equipmer				80,000	80,000
72 Artificial Lift Equipmer 73 Compressor	at ,			80,000	80,000
73 Compressor 74 Installation Costs	•			35,000	35,000
	,				
75 Surface Pumps 76 Downhole Pumps	,	-		5,000 4,950	5,000
76 Downhole Pumps		- -		4,950	4,950
77 Measurement & Meter I		<u> </u>	 -	-	
78 Gas Conditioning / Deh			-	-	-
79 Interconnecting Facility				-	-
80 Gathering / Bulk Lines	-				
81 Valves, Dumps, Control	-			-	-
82 Tank / Facility Contains	ment				<u> </u>
83 Flare Stack				-	
84 Electrical / Grounding				60,000	60,000
85 Communications / SCA	-			-	
86 Instrumentation / Safety	·y			-	-
	TOTAL TANGIBLES >	329,782	0	266,722	596,504
	TOTAL COSTS >	2,182,766	1,857,382	332,370	4,372,517
EPARED BY Colgate En					
Drilling Engine	neer: Steven Segrest				
Completions Engine	neer: Brady Adams		CRM		
Production Engine					
	Derraman.				
	ίΤ.				
gate Energy APPROVA	<u>T:</u>				
Co-C	CEO	Co-C	EO	VP - Operati	ons
-	WH		IW		CRM
VD I 10 I .		VD Ci	· · ·		CINIVI
VP - Land & Le		VP - Geoscien			
	BG		SO		
N OPERATING PART	NER APPROVAL:				
Company Nar	nme:		Working Interest (%):	Tax	ID:
C: I					
Signed	. by:		Date:		

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 control in the control and general liability insurance unless participant provides of provides operators.

	ESTIMATE O	F COSTS AND AUTHOR	RIZATION FOR EXPEND	DITURE	
DATE:	10/22/2021			AFE NO.:	0
WELL NAME:	Bowie 30 State COM 1221	Η			Winchester; Bone Spri
LOCATION:	Parkway			MD/TVD:	12507 / 7100
COUNTY/STATE:	Eddy			LATERAL LENGTH:	5,080
Colgate WI: GEOLOGIC TARGET:	0.00% 2nd Bone Spring			DRILLING DAYS:	17.07 11
GEOLOGIC TARGET:	zна воне эргиц <u>е</u>			COMPLETION DAYS:	11
REMARKS:	Drill and Complete 30 sta	ges in the 2nd Bone Spr	ring formation. AFE inc	cludes D&C, flowback & i	initial ESP install.
INTANGIBL		DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land/Legal/Regulatory	_		\$ 12,000	\$ 10,000	\$ 35,000
2 Location, Surveys & Dam 4 Freight / Transportation	nages	150,000 55,500	13,000 33,250	10,000	173,000 88,750
5 Rental - Surface Equipme	ent -	47,069	111,100	4,640	162,809
6 Rental - Downhole Equip	-	68,499	40,000		108,499
7 Rental - Living Quarters		31,500	40,100	5,200	76,800
10 Directional Drilling, Su 11 Drilling	iveys	163,640 414,850			163,640 414,850
12 Drill Bits	-	81,000			81,000
13 Fuel & Power		55,563	105,000		160,563
14 Cementing & Float Equi	-	155,000	122.250	9,000	155,000
16 Perforating, Wireline, SI 17 High Pressure Pump Tri		- _	133,250	8,000	141,250
18 Completion Unit, Swab,	_	<u> </u>	60,000	12,040	72,040
20 Mud Circulation System	-	71,707			71,707
21 Mud Logging	aluation	16,534	0.000		16,534
22 Logging / Formation Eva 23 Mud & Chemicals	arudtivii	4,094 73,028	8,000 152,000		12,094 225,028
24 Water	-	27,882	261,596		289,478
25 Stimulation	• -	-	360,000		360,000
26 Stimulation Flowback &	_	- 06 028	84,000		84,000
28 Mud / Wastewater Dispo 30 Rig Supervision / Engin		96,938 79,529	68,000 57,200	9,800	164,938 146,529
32 Drlg & Completion Ove	_	6,401	57,200	2,000	6,401
35 Labor	-	108,500	23,000	10,000	141,500
54 Proppant		00.510	213,868		213,868
95 Insurance 97 Contingency	-	22,513 88,237	84,018	5,968	22,513 178,223
97 Contingency 99 Plugging & Abandonme	ent -	- 00,437	84,018	3,968	178,223
	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
57 Packers, Liner Hangers 58 Tanks	-	22,000		3,500	25,500
69 Production Vessels	-	-			
70 Flow Lines	•	-		-	-
71 Rod string				80,000	80,000
72 Artificial Lift Equipmen 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 I 78 Gas Conditioning/Deh	_	<u> </u>			-
79 Interconnecting Facility					
80 Gathering / Bulk Lines	•			-	-
81 Valves, Dumps, Control	-				
82 Tank / Facility Containn 83 Flare Stack	nent -			-	
84 Electrical / Grounding	-			60,000	60,000
85 Communications / SCAl				-	-
86 Instrumentation / Safety	-	222 =22		-	-
	TOTAL TANGIBLES > TOTAL COSTS >	329,782 2,182,766	1,857,382	266,722 332,370	596,504 4,372,517
PARED BY Colgate Enc		2,102,700	1,037,302	332,310	±,372,317
Drilling Engine					
Completions Engine			CRM		
Production Engine					
ate Energy APPROVA	L:				
Co-Cl	EO	Co-CEG	0	VP - Operati	ions
	WH		JW	•	CRM
VP - Land & Le		VP - Geoscience			
	BG		SO		
N OPERATING PARTN	NER APPROVAL:				
Company Nan			Working Interest (%)	Tax	· ID·
Company Nan	me:		Working Interest (%):	lax	. 112.
Signed l	by:		Date:		
Tr.			A	1 Vac -	No (mark arr-)
on this AFE are estimated with a	construed as ceilings on any specific item or the total or	est of the project. Tables law V. C.	Approval:	Yes	No (mark one)

		OF COSTS AND AUTHO	RIZATION FOR EXPEND		
DATE:	10/22/2021	т		AFE NO.:	0
WELL NAME:	Bowie 30 State Com 131H	<u> </u>			inchester; Bone Spri
LOCATION:	Parkway			MD/TVD:	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 sta	nges in the 3rd Bone Sp	ring formation. AFE incl	ludes D&C, flowback & ini	tial ESP install.
INTANGIBLI	E COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
Land/Legal/Regulatory		35,000	\$	\$	\$ 35,000
Location, Surveys & Dam	ages	150,000	13,000	10,000	173,000
Freight / Transportation Rental - Surface Equipme	unt -	55,500 51,422	33,250 111,100	4,640	88,750 167,162
Rental - Downhole Equip		68,799	40,000	4,040	108,799
Rental - Living Quarters	-	33,517	40,100	5,200	78,817
0 Directional Drilling, Sur	veys	186,060			186,060
1 Drilling 2 Drill Bits	-	445,251 91,500			445,251 91,500
3 Fuel & Power	-	61,292	105,000		166,292
4 Cementing & Float Equi		155,000			155,000
6 Perforating, Wireline, Sl	-	-	133,250	8,000	141,250
7 High Pressure Pump Tru 3 Completion Unit, Swab,		<u>-</u>	10,000	12,040	10,000 72,040
Mud Circulation System		77,409	00,000	12,010	77,409
Mud Logging	-	18,012			18,012
2 Logging / Formation Eva	luation	5,290	8,000		13,290
3 Mud & Chemicals 4 Water	-	78,228 28,037	152,000 279,884		230,228 307,921
t vvater 5 Stimulation	-	-	360,000		360,000
6 Stimulation Flowback &	Disp	-	84,000		84,000
8 Mud/Wastewater Dispo	osal	96,938	68,000		164,938
0 Rig Supervision / Engine		87,729	57,200	9,800	154,729
2 Drlg & Completion Over 5 Labor	rnead -	7,061 108,500	23,000	10,000	7,061 141,500
5 Labor 4 Proppant	-	100,300	240,602	10,000	240,602
5 Insurance	-	24,403	.,		24,403
7 Contingency	-	93,247	86,269	5,968	185,485
9 Plugging & Abandonme		-			-
	TOTAL INTANGIBLES >	1,958,195	1,904,655	65,648	3,928,498
TANGIBLE	COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
Surface Casing	\$_	9,590	\$	\$	\$ 9,590
I Intermediate Casing	-	69,726			69,726
2 Drilling Liner 3 Production Casing	-	178,275			178,275
Production Liner	-	-			-
5 Tubing	-	-		34,097	34,097
6 Wellhead	-	64,000		48,900	112,900
7 Packers, Liner Hangers 8 Tanks	-	22,000		3,500	25,500
9 Production Vessels	-	<u> </u>			
0 Flow Lines	-	-		-	-
1 Rod string	-	-			
2 Artificial Lift Equipment 3 Compressor	t -	<u>-</u>		80,000	80,000
4 Installation Costs	-	<u> </u>		35,000	35,000
5 Surface Pumps	•	-		5,000	5,000
5 Downhole Pumps	-	-		4,950	4,950
7 Measurement & Meter In	_	-			
8 Gas Conditioning/Dehy 9 Interconnecting Facility				-	
) Gathering / Bulk Lines					
1 Valves, Dumps, Control	_			-	-
2 Tank / Facility Containm	nent				
3 Flare Stack 4 Electrical / Grounding	-			60,000	60,000
5 Communications / SCAI	DA .			-	-
6 Instrumentation / Safety				<u> </u>	
	TOTAL TANGIBLES >	343,590	0	271,447	615,036
	TOTAL COSTS >	2,301,785	1,904,655	337,095	4,543,534
'ARED BY Colgate Ene	ergy:				
Drilling Engine Completions Engine			CRM		
Production Engine			CIXIVI		
- Tousenon Engine					
te Energy APPROVAI	L :				
0.00		0.07		AD O	
Co-CE	WH WH	Co-CE		VP - Operation	ns
VP - Land & Leg		VP - Geoscienc	,		CAMPI
, Luiu & LCE	BG	.1 Geosciette	SO		
OPERATING PARTN	IER APPROVAL:				
			TAT-ulin - T ((0/)	m v	D.
Company Nan	ne:		Working Interest (%):	Tax II	J:
Signed b	oy:		Date:		
	-				_
Tit			Approval:	Yes	No (mark one)
this AFE are estimates only and may not be	construed as ceilings on any specific item or the total co	ost of the project. Tubing installation approv	ed 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 proportic

		F COSTS AND AUTHO	RIZATION FOR EXPEND		
DATE:	10/22/2021	·		AFE NO.:	0
WELL NAME:	Bowie 30 State Com 132H	<u> </u>			Vinchester; Bone Spri
LOCATION:	Parkway			MD/TVD:	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 sta	ges in the 3rd Bone Sp	ring formation. AFE incl	ludes D&C, flowback & ini	tial ESP install.
INTANGIBLE	COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
Land/Legal/Regulatory	\$_	35,000	\$	\$	\$ 35,000
Location, Surveys & Dam	ages	150,000 55,500	13,000 33,250	10,000	173,000 88,750
Freight / Transportation Rental - Surface Equipme	nt -	51,422	111,100	4,640	167,162
Rental - Downhole Equip		68,799	40,000		108,799
Rental - Living Quarters	-	33,517	40,100	5,200	78,817
0 Directional Drilling, Sur	veys -	186,060 445,251			186,060 445,251
1 Drilling 2 Drill Bits	-	91,500			91,500
3 Fuel & Power	-	61,292	105,000		166,292
4 Cementing & Float Equi		155,000			155,000
6 Perforating, Wireline, Sl	_	<u>-</u>	133,250	8,000	141,250
7 High Pressure Pump Tru 8 Completion Unit, Swab,		-	60,000	12,040	72,040
Mud Circulation System		77,409	,500		77,409
Mud Logging		18,012			18,012
2 Logging / Formation Eva	luation	5,290 78,238	8,000		13,290
3 Mud & Chemicals 4 Water	-	78,228 28,037	152,000 279,884		230,228
5 Stimulation	-	,	360,000		360,000
6 Stimulation Flowback &		-	84,000		84,000
8 Mud/Wastewater Dispo	_	96,938	68,000		164,938
0 Rig Supervision / Engine 2 Drlg & Completion Over		87,729 7,061	57,200	9,800	154,729 7,061
2 Drig & Completion Over 5 Labor	-	108,500	23,000	10,000	141,500
4 Proppant	-	/	240,602	-/	240,602
5 Insurance	-	24,403			24,403
7 Contingency	nt	93,247	86,269	5,968	185,485
9 Plugging & Abandonme	•	1 059 105	1 004 655	GE (40	2 029 409
	TOTAL INTANGIBLES >	1,958,195	1,904,655	65,648	3,928,498
TANGIBLE	COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
0 Surface Casing	\$	9,590	\$	\$	\$ 9,590
1 Intermediate Casing	· -	69,726		<u></u>	69,726
2 Drilling Liner	-	450.055			450.655
3 Production Casing 4 Production Liner	-	178,275			178,275
Froduction Liner Tubing	-	-		34,097	34,097
6 Wellhead	-	64,000		48,900	112,900
7 Packers, Liner Hangers	-	22,000	-	3,500	25,500
8 Tanks	-			- _	
9 Production Vessels 0 Flow Lines	-	-		-	
1 Rod string	-	-		-	
2 Artificial Lift Equipment	t	-		80,000	80,000
3 Compressor	-			25.000	25.000
4 Installation Costs 5 Surface Pumps	-	-		35,000 5,000	35,000 5,000
6 Downhole Pumps	-	-		4,950	4,950
7 Measurement & Meter I		-			
8 Gas Conditioning / Dehy				-	-
9 Interconnecting Facility 1 0 Gathering / Bulk Lines	riping				
o Gathering/Bulk Lines 1 Valves, Dumps, Controll	ers				
2 Tank / Facility Containm				-	-
3 Flare Stack	- -			-	
4 Electrical / Grounding	· ·			60,000	60,000
5 Communications / SCAI 6 Instrumentation / Safety	PA -			-	
	TOTAL TANGIBLES >	343,590	0	271,447	615,036
	TOTAL COSTS >	2,301,785	1,904,655	337,095	4,543,534
ADED DV Color 5					
PARED BY Colgate Ene	rgy:				
Drilling Enginee	er: Steven Segrest				
Completions Engineer	er: Brady Adams		CRM		
Production Enginee	er: Levi Harris				
te Energy APPROVAI	:				
Co-CF	SO	Co-CE	O	VP - Operation	ns
Co-Ci	WH	CO-CL	JW	Operation	CRM
VP - Land & Leg	al	VP - Geoscienc	es		
	BG		SO		
OPERATING PARTN	ER APPROVAL:				
Company Nam	ne:		Working Interest (%):	Tax I	D:
Company Nan	ne:		orking interest (70).	1dX 1	
Signed b	y:		Date:		<u></u>
Tit	-		Approval:	Yes	No (mark one)
his AFE are estimates only and may not be	construed as ceilings on any specific item or the total co	st of the project. Tubing installation approv	ed 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 propor

RECEIVED Apache Corp

DEC 07 2020

Via Certified Mail

Permian-Midland Land T. I

December 4, 2020

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

E-MAILED DEC 0 7 2020

RE:

Black Jack 29 State Com Well Proposals

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

Eddy County, New Mexico

To whom it may concern:

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

Black Jack 29 State Com 123H

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

TVD: 7,455'

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

Black Jack 29 State Com 124H

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

TVD: 7.455'

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

Black Jack 29 State Com 133H

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

TVD: 8,630'

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

Black Jack 29 State Com 134H

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

TVD: 8,630'

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

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

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

Case Nos. 21727-21730

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

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

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

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

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

Sincerely,

Mark Hajdik

Mulfley.lik

Senior Landman

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

Enclosures

Well Elections
I/We hereby elect to participate in the Black Jack 29 State Com 123HI/We hereby elect NOT to participate in the Black Jack 29 State Com 123H.
I/We hereby elect to participate in the Black Jack 29 State Com 124HI/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 133HI/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 134HI/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

DATE:	12/3/2020		DRIZATION FOR EXPENT	AFE NO.:	0
-		21.1		_	
-	Black Jack 29 State Com 12	311		_	Vinchester; Bone Spring
	Parkway			MD/TVD:_	18129 / 7442
· · · · · · · · · · · · · · · · · · ·	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 stag	es in the 2nd Bone S	pring formation, AFE in	cludes D&C, flowback &	initial ESP install.
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE C		COSTS	COSTS	COSTS	COSTS
1 Land/Legal/Regulatory	5_	35,000	\$ 13,000	10,000	\$ 35,000 173,000
2 Location, Surveys & Damage	25	150,000 55,500	13,000 36,750	10,000	92,250
4 Freight/Transportation 5 Rental - Surface Equipment		55,800	150,450	4,640	210,890
6 Rental - Downhole Equipme	- tont	68,799	56,000	4,010	124,799
7 Rental - Living Quarters		35,546	45,700	5,200	86,446
10 Directional Drilling, Survey		188,350	10,700		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, Slick	line	-	260,750	8,000	268,750
17 High Pressure Pump Truck		1000000	10,000		10,000
18 Completion Unit, Swab, CT	U		150,000	12,040	162,040
20 Mud Circulation System		83,144			83,144
21 Mud Logging		19,499			19,499
22 Logging / Formation Evalua	ition	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 94,000		720,000 94,000
26 Stimulation Flowback & Di		96,938	63,000		159,938
28 Mud/Wastewater Disposal 30 Rig Supervision/Engineeri		95,975	79,600	9,800	185,375
32 Drlg & Completion Overhe		7,725	75,000	7,000	7,725
35 Labor		108,500	30,500	10,000	149,000
54 Proppant		100/000	436,156		436,156
95 Insurance		32,632			32,632
97 Contingency	-	97,274	154,242	5,968	257,484
99 Plugging & Abandonment			- Land		
	TOTAL INTANGIBLES >	2,042,761	3,332,080	65,648	5,440,48
TANGIBLE CO	осте	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	,313 S	9,590	5	\$	\$ 9,590
61 Intermediate Casing	_	69,726		-	69,726
62 Drilling Liner	_	-			
63 Production Casing	_	238,396			238,396
64 Production Liner					-
65 Tubing		-		30,911	30,911
66 Wellhead		64,000		48,900	112,900
67 Packers, Liner Hangers		22,000		3,500	25,500
68 Tanks		-			-
69 Production Vessels	_				
70 Flow Lines		•		•	-
71 Rod string	_	•			90.000
72 Artificial Lift Equipment	_	-		80,000	80,000
73 Compressor					35,000
74 Installation Costs		-		35,000 5,000	5,000
75 Surface Pumps 76 Downhole Pumps	_			4,950	4,950
77 Measurement & Meter Inst	allation	-		- 4,230	- 4,750
78 Gas Conditioning / Dehydr					
79 Interconnecting Facility Pip				-	-
80 Gathering / Bulk Lines	_			-	-
81 Valves, Dumps, Controllers	-			-	-
82 Tank / Facility Containmen				-	
	_				-
83 Flare Stack				60,000	
83 Flare Stack 84 Electrical / Grounding	_			60,000	
83 Flare Stack 84 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safety					60,000

PREPARED BY Colgate Energy:

Drilling Engineer: Steven Segrest
Completions Engineer: Brady Adams
Released to Imaging: Advanta 2021. Available PM

TOTAL COSTS >

2,446,473

CRM

3,332,080

333,909

6,112,461

DATE. 4	-		RIZATION FOR EXPEN		0
_	2/3/2020			AFE NO.:	0
WELL NAME:	Black Jack 29 State Com 12	4H		FIELD: W	inchester; Bone Spring
LOCATION:	arkway			MD/TVD:	18129 / 7442
COUNTY/STATE: E	Eddy			LATERAL LENGTH:	10,360
Colgate WI:	0.00%			DRILLING DAYS:	20,6
GEOLOGIC TARGET: 2	2nd Bone Spring			COMPLETION DAYS:	16
		SALE OF THE			
REMARKS: [Orill and Complete 60 stag	ges in the 2nd Bone Sp	oring formation. AFE in	cludes D&C, flowback &	initial ESP install.
INTANGIBLE CO	osts	DRILLING COSTS	COMPLETION	PRODUCTION COSTS	TOTAL
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	.C>: J ' T	55,800	150,450	4,640	210,890
6 Rental - Downhole Equipmen	ıt	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	210 000		81,000 277,053
13 Fuel & Power 14 Cementing & Float Equip	_	67,053 155,000	210,000		155,000
16 Perforating, Wireline, Slickli	ine _	155,000	260,750	8,000	268,750
17 High Pressure Pump Truck	- 1 P 1 -		10,000	0,000	10,000
18 Completion Unit, Swab, CTI	u —		150,000	12,040	162,040
20 Mud Circulation System	_	83,144			83,144
21 Mud Logging	_	19,499		TO BE A TUBER	19,499
22 Logging/Formation Evaluat	noi	6,494	8,000	MI MAN	14,494
23 Mud & Chemicals		98,516	308,000		406,516
24 Water	7	28,193	505,932		534,125
25 Stimulation			720,000		720,000
26 Stimulation Flowback & Dis		-	94,000		94,000
28 Mud/Wastewater Disposal		96,938 95,975	63,000 79,600	9,800	159,938 185,375
30 Rig Supervision / Engineering 32 Drlg & Completion Overhea		7,725	79,000	9,000	7,725
35 Labor	_	108,500	30,500	10,000	149,000
54 Proppant		100,300	436,156	10,000	436,156
95 Insurance		32,632	100,100		32,632
97 Contingency		97,274	154,242	5,968	257,484
99 Plugging & Abandonment	- 19-7-1-1	AT PURE			S Review
	TOTAL INTANGIBLES >	2,042,761	3,332,080	65,648	5,440,489
TANGIBLE COS	STS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	COSTS
60 Surface Casing	S	9,590	S	\$	\$ 9,590
61 Intermediate Casing		69,726		-1 2 / /	69,726
62 Drilling Liner	_	-			
63 Production Casing 64 Production Liner	_	238,396			238,396
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	- V	-		110	-
70 Flow Lines					•
71 Rod string					-
72 Artificial Lift Equipment		•		80,000	80,000
73 Compressor		•			-
74 Installation Costs		1980 The III		35,000	35,000
75 Surface Pumps				5,000	5,000
76 Downhole Pumps	llation	-		4,950	4,950
77 Measurement & Meter Insta 78 Gas Conditioning / Dehydra	_				
79 Interconnecting Facility Pipi		-		<u> </u>	-
80 Gathering / Bulk Lines				-	
81 Valves, Dumps, Controllers	-			-	
82 Tank / Facility Containment				•	-
83 Flare Stack				•	
84 Electrical / Grounding	-	200		60,000	60,000
85 Communications / SCADA			45-5	-	
86 Instrumentation / Safety					(F)
	TOTAL TANGIBLES >	403,712	0	268,261	671,972
		_		333,909	6,112,461

PREPARED BY Colgate Energy:

Drilling Engineer: Steven Segrest Completions Engineer: Brady Adams
Released to Imaging: 11/4/2021 4444,41 PM

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

PREPARED BY Colgate Energy:

Drilling Engineer: Steven Segrest Completions Engineer: Brady Adams
Released to Imaging: 11/4/2021 444,41 PM

Colgate Energy 363 W. Wall St. , Midland TX 79701

		COSTS AND AUTHO			
DATE:	12/3/2020			AFE NO.:	0
WELL NAME:	Black Jack 29 State Com 13	4H		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 stag	ges in the 3rd Bone Sp	oring formation. AFE in	cludes D&C. flowback &	& initial ESP install.
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLI	E COSTS	COSTS	COSTS	COSTS	COSTS
1 Land/Legal/Regulatory		35,000	\$	\$	\$ 35,000
2 Location, Surveys & Dam	nages	150,000	13,000	10,000	173,000
4 Freight / Transportation		55,500	36,750		92,250
5 Rental - Surface Equipme		62,354	150,450	4,640	217,444
6 Rental - Downhole Equip7 Rental - Living Quarters	oment	68,799 38,583	56,000 45,700	5,200	124,799 89,483
10 Directional Drilling, Sur	rvevs	237,200	45,700	3,200	237,200
11 Drilling		521,597			521,597
12 Drill Bits		112,500			112,500
13 Fuel & Power		75,679	210,000	- 1-11 - 11	285,679
14 Cementing & Float Equi		155,000			155,000
16 Perforating, Wireline, Sl		-	260,750	8,000	268,750
17 High Pressure Pump Tra 18 Completion Unit, Swab,		-	10,000 150,000	12.040	10,000
20 Mud Circulation System		91,730	150,000	12,040	162,040 91,730
21 Mud Logging	_	21,725			21,725
22 Logging / Formation Eva	luation	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 &		-	94,000		94,000
28 Mud/Wastewater Dispo		96,938	73,000	0.000	169,938
30 Rig Supervision / Engine 32 Drlg & Completion Over		108,322 8,719	79,600	9,800	197,722 8,719
35 Labor	THE BU	108,500	30,500	10,000	149,000
54 Proppant	_	100,000	490,676	10,000	490,676
95 Insurance	_	34,810			34,810
97 Contingency		106,302	159,333	5,968	271,602
99 Plugging & Abandonme	TOTAL INTANGIBLES >	2,232,334	3,438,986	65,648	5,736,968
		DRILLING COSTS	COMPLETION	PRODUCTION COSTS	TOTAL COSTS
TANGIBLE 60 Surface Casing	COSIS		COSTS	COSIS	
	6	0 500	c	¢ .	
61 Intermediate Casing	S _	9,590 69,726	\$	\$	\$ 9,590 69,776
61 Intermediate Casing 62 Drilling Liner	\$_ _	9,590 69,726	\$	\$	\$ 9,590 69,726
61 Intermediate Casing 62 Drilling Liner 63 Production Casing	\$_	69,726	\$	\$	69,726
62 Drilling Liner 63 Production Casing 64 Production Liner	S	69,726	\$		69,726
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing	\$ _ _	69,726 - 254,308 - -	S	36,356	69,726 254,308 36,356
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead	\$ _ _	69,726 - 254,308 - - - 64,000	\$	36,356 48,900	69,726 254,308 36,356 112,900
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers	\$ 	69,726 - 254,308 - - 64,000 22,000	S	36,356 48,900 3,500	69,726 254,308 36,356 112,900 25,500
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks	\$ 	69,726 - 254,308 - - - 64,000	\$	36,356 48,900	69,726 254,308 36,356 112,900
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing	\$	69,726 - 254,308 - - 64,000 22,000	S	36,356 48,900 3,500	69,726 254,308 36,356 112,900 25,500
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels	\$ 	69,726 - 254,308 - - 64,000 22,000 -	S	36,356 48,900 3,500	69,726 254,308 - 36,356 112,900 25,500
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipmen		69,726 	S	36,356 48,900 3,500	69,726 254,308 36,356 112,900 25,500
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipmen 73 Compressor		69,726 	\$	36,356 48,900 3,500 	69,726 254,308
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipmen 73 Compressor 74 Installation Costs		69,726 	S	36,356 48,900 3,500 - - - - - - - - - - - - - - - - - -	69,726 254,308 36,356 112,900 25,500 80,000 35,000
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipmen 73 Compressor 74 Installation Costs 75 Surface Pumps		69,726 	S	36,356 48,900 3,500 - - - - - - - - - - - - - - - - - -	69,726 254,308 36,356 112,900 25,500 80,000 35,000 5,000
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipmen 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps		69,726 	S	36,356 48,900 3,500 - - - - - 80,000 - 35,000 5,000 4,950	69,726 254,308 36,356 112,900 25,500 80,000 5,000 4,950
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipmen 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter In	it	69,726 	S	36,356 48,900 3,500 - - - - - - - - - - - - - - - - - -	69,726 254,308 36,356 112,900 25,500 80,000 35,000 5,000
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipmen 73 Compressor 74 Installation Costs	nstallation ydration	69,726 	S	36,356 48,900 3,500 	69,726 254,308 - 36,356 112,900 25,500 80,000 - 35,000 5,000 4,950
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipmen 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter It 78 Gas Conditioning / Dehy 79 Interconnecting Facility	nstallation ydration	69,726 	S	36,356 48,900 3,500 	69,726 254,308 - 36,356 112,900 25,500 80,000 5,000 4,950
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipmen 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter It 78 Gas Conditioning / Dehy 79 Interconnecting Facility 80 Gathering / Bulk Lines 81 Valves, Dumps, Controll	nstallation ydration Piping	69,726 	S	36,356 48,900 3,500 - - - 80,000 - 35,000 5,000 4,950 - -	69,726 254,308 - 36,356 112,900 25,500 80,000 - 35,000 5,000 4,950
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipmen 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter In 78 Gas Conditioning / Dehy 79 Interconnecting Facility 80 Gathering / Bulk Lines 81 Valves, Dumps, Controll 82 Tank / Facility Containm	nstallation ydration Piping	69,726 	S	36,356 48,900 3,500 - - - - - 80,000 5,000 4,950 - - -	69,726 254,308 - 36,356 112,900 25,500 80,000 5,000 4,950
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipmen 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter II 78 Gas Conditioning / Deh 79 Interconnecting Facility 80 Gathering / Bulk Lines 81 Valves, Dumps, Controll 82 Tank / Facility Containn 83 Flare Stack	nstallation ydration Piping	69,726 	S	36,356 48,900 3,500 - - - - - - - - - - - - -	69,726 254,308 36,356 112,900 25,500 80,000 5,000 4,950
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipmen 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Ir 78 Gas Conditioning / Deh; 79 Interconnecting Facility 80 Gathering / Bulk Lines 81 Valves, Dumps, Controll 82 Tank / Facility Contains 83 Flare Stack 84 Electrical / Grounding	nstallation ydration Piping	69,726 	S	36,356 48,900 3,500 - - - 80,000 - 35,000 5,000 4,950 - -	69,726 254,308 36,356 112,900 25,500 80,000 5,000 4,950
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipmen 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Ir 78 Gas Conditioning / Deh 79 Interconnecting Facility 80 Gathering / Bulk Lines 81 Valves, Dumps, Controll 82 Tank / Facility Containn 83 Flare Stack 84 Electrical / Grounding 85 Communications / SCAI	nstallation ydration Piping lers nent	69,726 	S	36,356 48,900 3,500 - - - - - 80,000 5,000 4,950 - - - - - - - - - - - - -	69,726 254,308 36,356 112,900 25,500 80,000 5,000 4,950
62 Drilling Liner 63 Production Casing 64 Production Liner 65 Tubing 66 Wellhead 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipmen 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Ir 78 Gas Conditioning / Deh; 79 Interconnecting Facility 80 Gathering / Bulk Lines 81 Valves, Dumps, Controll 82 Tank / Facility Contains 83 Flare Stack 84 Electrical / Grounding	nstallation ydration Piping lers nent	69,726 		36,356 48,900 3,500 - - - - - 80,000 5,000 4,950 - - - - - - - - - - - - -	69,726 254,308 36,356 112,900 25,500 80,000 5,000 4,950

PREPARED BY Colgate Energy:

Drilling Engineer: Steven Segrest Completions Engineer: Brody Adams
Released to Imagings 14/442021.4:44:41 PM





Via Certified Mail

March 5, 2021



Permian-Midland Land T. I.

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

RE: Buckhorn 29 State Com Well Proposals

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

Eddy County, New Mexico

To whom it may concern:

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

Buckhorn 29 State Com 121H

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

TVD: 7,000'

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

Buckhorn 29 State Com 122H

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

TVD: 7,000°

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

Buckhorn 29 State Com 131H

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

TVD: 8,200'

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

Buckhorn 29 State Com 132H

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

TVD: 8,000'

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

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

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

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

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

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

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

Sincerely,

Mustly. Lin

Mark Hajdik Senior Landman

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

Enclosures

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

Working Interest Owner: ____

Printed Name:

Date: _____

MELL AMME DOCATION Delivery Delivery DOSPS TOTAL DOSPS DO		ESTIMATE	OF COSTS AND AUTHO	RIZATION FOR EXPEND	HORE	
COCATION Colput VIV C	DATE:	3/1/2021			AFE NO.:	0
COUNTYSTATE Coligie	WELL NAME:	Buckhorn 29 State Com	121H		FIELD: W	inchester; Bone Spring
COMPAND CONTROLLED CONTRO	LOCATION:	Parkway			MD/FVD:	17,360/7,000
COMPAND CONTROLLED CONTRO	COUNTY/STATE:	Eddy			LATERAL LENGTH:	10,360
REMARISS Drill and Complete 60 tages in the 2nd Does Spring formation, AFE tractudes DAG, flowback do install ISP install MYNANCISIS DOSTS OUSTS COSTS COSTS COSTS Lazdra, Savry & A Danager 10200 1	Colgate WI:				DRILLING DAYS:	20.6
REMARKS	GEOLOGIC TARGET:	2nd Bone Spring			COMPLETION DAYS:	16
NYTANGELICOSTS		5.11.12.11.15.1				Li i Pari
IMPANCRIBLE COSTS	REMARKS:	Drill and Complete 60 st	ages in the 2nd Bone Sp	oring formation, AFE inc	cludes D&C, Howback & ii	utial ESP install,
Land Legal Seguidary \$ 3,500 \$ 3.50 \$ 3.50 \$ 3.50 \$ 3.50 \$ 1.50						
21 Academic Survey & Diseases 19,000 13,000 17,00						
Freight Transportation						
Stream		ges			10,000	92,250
Serent Downholt Equipment 64,097 5,000 12,75 13,700 12,75 13,700 13,75 13,700 13,75 13,700 13,75 13,700 13,75 13,700 13,75 13,700 13,75 13,700 13,75		1			4.640	210,890
Research Living Quarters 35,516 45,700 5,200 86,41						124,799
11 Delling	7 Rental - Living Quarters				5,200	86,446
12 Cells Bis	10 Directional Drilling, Surve	eys				188,350
13 Seed A. Pomeer	11 Drilling					475,824
14 Centering & Floot Equip 150,000 220,752 3,000 225,751 150,752 150,7				818.824		81,000
16 Perfording, Wireline, Silekiline				210,000		
17 18 Pressure Pump Track		kline		260.750	8,000	268,750
18. Completions Unit, Sweds, CTU						10,000
20 Most Circulation System	16 Completion Unit, Swab, C				12,040	162,040
22 Lagging / Invanation Evaluation 5,494 3,500 14,74	20 Mud Circulation System					83,144
23 Mod & Chemicals	21 Mud Logging	inst		2.500		19,499
23 Water		140011				14,494 406,516
25 Silenalation	23 Mud & Chemicals 24 Water					534,125
28 Stimulation Flowback & Diop	25 Stimulation					720,000
30 Rig Supervision Engineering 55,975 79,600 9,800 18,33,30 18,33 18,30 18,		Disp		94,000		94,000
23 Dig & Completion Dverhead 7,725						159,938
15 Labor					9,800	185,375
Stroppand 34,515 34,515 34,515 35,55 35,67		ea0			18.688	7,725
95 Insurance			198,300		10,000	436,156
### ### ### ### ### ### ### ### ### ##	95 Insurance		32,632	100/100		32,632
TOTAL INTANGIBLES >	97 Contingency			154,242	5,968	257,484
TANGIBLE COSTS		l .	•			
### COSTS COSTS COSTS COSTS COSTS ### COSTS COSTS COSTS COSTS ### COSTS COSTS COSTS COSTS ### COSTS S S S S ### COSTS S ### COSTS S		TOTAL INTANGIBLES >	2,042,761	3,332,080	65,648	5,440,489
Machine Surface Casing Surface			DRILLING	COMPLETION	PRODUCTION	
Si Intermediate Casing					COSTS	
## ## ## ## ## ## ## ## ## ## ## ## ##		5		5	5	\$ 9,590
238,396 228,396 238,396 238,396 258,						
St Production Liner						238,396
65 Tubing 6 Wellhead 64,000						
	65 Tubing		•			30,911
68 Tanks 60 Production Vessels	66 Wellhead					112,900
69 Production Vessels	67 Packers, Liner Hangers		22,900	•	3,500	25,500
79 Flow Lines	68 Tanks				T.,	50
71 Rod string			<u> </u>			-
172 Artificial Lift Equipment						27
73 Compressor	72 Artificial Lift Equipment				2001	80,000
75 Surface Pumps	73 Compressor		-		6.20	7.0
75 Downhole Pumps	74 Installation Costs					35,000
77 Measurement & Meter Installablon 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 85 Communications / SCADA 86 Instrumentation / Safety TOTAL TANGIBLES	75 Surface Pumps		-			5,000
78 Gas Conditioning Dehydration		tallation	<u> </u>			4,950
79 Interconnecting Facility Piping						
### 180 Cathering / Bulk Lines ### 181 Valves, Dumps, Controllers ### 27 Tank, / Facility Containment ### 35 Flare Stack ### 480 Electrical / Grounding ### 55 Cammunications / SCADA ### 56 Instrumentation / Safety ### TOTAL TANGIBLES > ### 403,712					-	
### ##################################	80 Gathering / Bulk Lines	- **				-
## Stare Stack ## ## ## ## ## ## ## ## ## ## ## ## ##	81 Valves, Dumps, Controller				5.60	
## Description of Control of Cont		nt			0.40	
### ### ### ### ######################						/n Ann
### ### ##############################						90,000
TOTAL TANGIBLES 403,712	86 Instrumentation/Safety					
Drilling Engineer: Steven Segrest Completions Engineer: Brady Adams CRM Production Engineer: Levi Harris Go-CEO Co-CEO VP - Operations WH VP - Land & Legal BG VP - Geosciences N OPERATING PARTNER APPROVAL: Company Name: Working Interest (%): Tax ID: Signed by: Date: Title: Approval: Yes No (mark one)		TOTAL TANGIBLES >	403,712	0	268,261	671,972
Drilling Engineer: Skeven Segress Completions Engineer: Brady Adams				3,332,060	333,909	6,112,461
Drilling Engineer: Skeven Segress Completions Engineer: Brady Adams				82		
Completions Engineer: Brady Adams	EPARED BY Colgate Energ	gy:		×		
Completions Engineer: Brady Adams	D-:#: P	Elm-F-				
Production Engineer: Levitlarib gate Energy APPROVAL: Co-CEO						
Co-CEO Co-CEO VP - Operations WH VP - Land & Legal BG VP - Geosciences N OPERATING PARTNER APPROVAL: Company Name: Working Interest (%): Tax ID: Signed by: Date: Title: Approval: Yes No (mark one)		_		CRM		
Co-CEO	r roduction Engineer	Levi Harris				
Co-CEO	lgate Energy APPDOVAI.					
WH	IDEA WILLEY ALFROYAL					
VP - Land & Legal VP - Geosciences BG SO N OPERATING PARTNER APPROVAL: Company Name: Working Interest (%): Tax FD: Signed by: Date: Title: Approval: Yes No (mark one)	Co-CEC		Co-C	EO	VP - Operati	ons
N OPERATING PARTNER APPROVAL: Company Name: Working Interest (%): Tax FD: Signed by: Date: Title: Approval: Yes No (mark one)				JW		CRM
N OPERATING PARTNER APPROVAL: Company Name: Working Interest (%): Tax ID: Signed by: Date: Title: Approval: Yes No (mark one)	VP - Land & Lega		VP - Geoscien			
Company Name: Working Interest (%): Tax ED: Signed by: Date: Title: Approval: Yes No (mark one)		BG		50		
Company Name: Working Interest (%): Tax ED: Signed by: Date: Title: Approval: Yes No (mark one)						
Company Name: Working Interest (%): Tax ED: Signed by: Date: Title: Approval: Yes No (mark one)						
Company Name: Working Interest (%): Tax ED: Signed by: Date: Title: Approval: Yes No (mark one)						
Signed by: Date:	ON OPERATING PARTNE	R APPROVAL:				
Signed by: Date:	Company Name	:		Working Interest (%):	Tax	ID:
Title: Approval: Yes No (mark one)					***	
Title: Approval: Yes No (mark one)	Signed by	:		Date:		
					1	
	Title	:		Approval:	Yes	No (mark one)
to on this AES are retrocated unity and may not be construed as creiving on any person from or the testic cost of the propert agrees to pay. To bong installation approved ands to AES may be a for a pay of the operation of the construent of the property agrees to pay. To bong installation approved ands only the foreign of the construent of the property agrees to pay. To bong installation approved ands only the foreign of the construent of the property agrees the paydically past of the foreign of the paydically past of the paydically paydically paydically past of the paydically past of the paydically	ate on the AEE are retigued only and may not be on	about as colony on any specific from or the total	not of the project. Todays installation appro	red andre the AFE way by delayed up to a you	who the well has been completed, he arresting the	a Al II, the Controport agrees to pay its prop-

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

DATE:	3/1/2021			AFE NO.:	0
WELL NAME:	Buckhorn 29 State Com	122H		FIELD: Wit	nchester; Bone Spring
LOCATION:	Parkway		7	MD/TVD:	17,360 / 7000
	Eddy			LATERAL LENGTH:	10,360
COUNTY/STATE:				_	
Colgate WI:	0.00%			DRILLING DAYS:	20.6
GEOLOGIC TARGET:	2nd Bone Spring			COMPLETION DAYS:	16
REMARKS:	Drill and Complete 60 s	tages in the 2nd Bone Sp	oring formation. AFE is	rcludes D&C, flowback & ir	nitial ESP install.
		DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE O	OSTS	COSTS	COSTS	COSTS	COSTS
1 Land/Legal/Regulatory		35,000	\$	- · \$	\$ 35,000
2 Location, Surveys & Damag	es	150,000	13,000	10,000	173,000
4 Freight/Transportation		55,500	36,750		92,250
5 Rental - Surface Equipment		55,800	150,450	4,640	210,890
6 Rental - Downhole Equipm	ent	68,799	56,000		124,799
7 Rental - Living Quarters		35,546	45,700	5,200	86,446
10 Directional Drilling, Surve	ys .	188,350			188,350
11 Drilling		475,824			475,824
12 Drill Bits		81,000	212.222		81,000
13 Fuel & Power		67,053	210,000		277,053 155,000
14 Cementing & Float Equip	11	155,000	260,750	8.000	268,750
16 Perforating, Wireline, Slick			10,000	8,000	10,000
17 High Pressure Pump Truc! 18 Completion Unit, Swab, C		-	150,000	12,040	162,040
20 Mud Circulation System		83,144	130,000	12,010	83,144
21 Mud Logging		19,499			19,499
22 Logging / Formation Evalu	ation	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		(4)	720,000		720,000
26 Stimulation Flowback & D	isp	•	94,000		94,000
28 Mud/Wastewater Disposa		96,938	63,000		159,938
30 Rig Supervision / Enginee		95,975	79,600	9,800	185,375
32 Drig & Completion Overh		7,725	-		7,725
35 Labor		108,500	30,500	10,600	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
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANCINEC	acte	COSTS	COSTS	COSTS	COSTS
TANGIBLE C	7919	9,590	6	6	S 9,590
60 Surface Casing 61 Intermediate Casing	:	69,726	•	·	69,726
62 Drilling Liner		07,720			07,724
63 Production Casing		238,396			238,3%
64 Production Liner		20,370			20,770
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				4.0	
70 Flow Lines		-			
71 Rod string				+.	*
72 Artificial Lift Equipment		-		80,900	80,000
73 Compressor					+
74 Installation Costs		•		35,000	35,000
75 Surface Pumps		-		5,000	5,000
76 Dawnhole Pumps		-		4,950	4,950
77 Measurement & Meter Ins		-			
78 Gas Conditioning / Dehyd				5.	. T.
79 Interconnecting Facility Pi	Ping			*.	
80 Gathering / Bulk Lines	_			*	-
81 Vaives, Dumps, Controller				*	
82 Tank / Facility Containme	nt				
83 Flare Stack 84 Electrical / Grounding				60,000	60,000
				60,000	00,000
85 Communications/SCAD/ 86 Instrumentation/Safety	•				
anchanchanou/ Juciy	TOTAL TANGIBLES:	× 403,712		268,261	671,972
		· · · · · · · · · · · · · · · · · · ·			-
	TOTAL COSTS:	2,446,473	3,332,080	333,909	6,112,461
TRANSPORT OF THE PROPERTY OF T					
EPARED BY Colgate Energ	5 7 *				·
D-illian Engineer	Steven Segrest				
Drilling Engineer	**		CRM		
	BIJDY ADJUS		=:::::		
Completions Engineer	· 1				
	· 1				
Completions Engineer Production Engineer	· 1				
Completions Engineer Production Engineer gate Energy APPROVAL:	Levillarris				
Completions Engineer Production Engineer	Levi Harris	Со-С		VP - Operati	
Completions Engineer Production Engineer gate Energy APPROVAL:	Levi Herris	Co-C	EO	VP - Operati	ons
Completions Engineer Production Engineer gate Energy APPROVAL:	Levi Herris	Co-C VP - Geoscien	jw	VP - Operati	
Completions Engineer Production Engineer gate Energy APPROVAL:	Levi Herris		jw	VP - Operati	
Completions Engineer Production Engineer gate Energy APPROVAL:	Levi Herris WH		jw res	VP - Operati	
Completions Engineer Production Engineer gate Energy APPROVAL: Co-CEC VP - Land & Lega	Levi Herris WH BG		jw res	VP - Operati	
Completions Engineer Production Engineer gate Energy APPROVAL:	Levi Herris WH BG		jw res	VP - Operati	
Completions Engineer Production Engineer gate Energy APPROVAL: Co-CEC VP - Land & Lega N OPERATING PARTNE	WH BG R APPROVAL:		res SO		CRM
Completions Engineer Production Engineer gate Energy APPROVAL: Co-CEC VP - Land & Lega	WH BG R APPROVAL:		jw res		CRM
Completions Engineer Production Engineer gate Energy APPROVAL: Co-CEC VP - Land & Lega N OPERATING PARTNE	WII BG R APPROVAL:	VP - Geoscien	SO Working Interest (%):		CRM
Completions Engineer Production Engineer gate Energy APPROVAL: Co-CEC VP - Land & Lega N OPERATING PARTNE	WII BG R APPROVAL:		res SO		CRM

<u></u>		OF COSTS AND AUTHO	RIZATION FOR EXPEND	DITURE	
DATE:	3/1/2021			AFE NO.:	0
WELL NAME:	Buckhorn 29 State Con	n 131H		_	inchester; 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 Sp	oring formation. AFE inc	cludes D&C, flowback & i	nitial ESP install.
INTANGIBLE	costs	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land/Legal/Regulatory		\$ 35,000	\$	5	\$ 35,000
2 Location, Surveys & Damag	es	150,000	13,000	10,000	173,000 92,250
4 Freight/Transportation 5 Rental - Surface Equipment		55,500 62,354	36,750 150,450	4,640	217,444
6 Rental - Downhole Equipm		68,799	56,000		124,799
7 Rental - Living Quarters		38,583	45,700	5,200	89,483
10 Directional Drilling, Surve	rys	237,200			237,200 521,597
11 Drilling 12 Drill Bits		521,597 112,500			112,500
13 Fuel & Power	75	75,679	210,000		285,679
14 Cementing & Float Equip		155,000			155,000
16 Perforating, Wireline, Slick			260,750 10,000	8,000	268,750 10,000
17 High Pressure Pump Truck 18 Completion Unit, Swab, C			150,000	12,040	162,040
20 Mud Circulation System		91,730			91,730
21 Mud Logging		21,725			21,725
22 Logging / Formation Evalu 23 Mud & Chemicals	ation	8,296 106,356	8,000 308,000		16,296 414,356
23 Mud & Chemicals 24 Water		28,426	543,228		571,654
25 Stimulation		T les	720,000		720,000
26 Stimulation Flowback & C		4	94,000		94,000
28 Mud/Wastewater Disposa		96,938 108,322	73,000 79,600	9,800	169,938 197,722
30 Rig Supervision / Enginee 32 Drlg & Completion Overh		8,719	79,600	9,800	8,719
35 Labor		108,500	30,500	10,000	149,000
54 Proppant			490,676		490,676
95 Insurance		34,810 106,302	159,333	5,968	34,810 271,602
97 Contingency 99 Plugging & Abandonment	!	100,302	137,333	3,700	271,002
0000	TOTAL INTANGIBLES		3,438,986	65,648	5,736,968
			COMPLETION	PRODUCTION	TOTAL
TANGIBLE C	DETE	DRILLING COSTS	COSTS	COSTS	COSTS
60 Surface Casing	0313	\$ 9,590	5	\$	\$ 9,590
61 Intermediate Casing		69,726			69,726
62 Drilling Liner		•			14
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 5,000	35,000 5,000
75 Surface Pumps 76 Downhole Pumps				4,950	4,950
77 Measurement & Meter Ins	tallation	-		-	
78 Gas Conditioning / Dehyd				(*)	(4)
79 Interconnecting Facility Pi	ping				
80 Gathering / Bulk Lines 81 Valves, Dumps, Controller					-
82 Tank / Facility Containme					
83 Flare Stack				*	(4)
84 Electrical / Grounding				60,000	60,000
85 Communications / SCAD/ 86 Instrumentation / Safety	•				
,,	TOTAL TANGIBLES	i > 419,623	0	273,706	693,329
	TOTAL COSTS		3,438,986	339,354	6,430,297
Enabled by Colonta Fran	75.04	<u> </u>		-	
EPARED BY Colgate Ener	55.				
Drilling Engineer	Sleven Segrest				
Completions Engineer	Brady Adams		CRM		
Production Engineer	Levillanis				
			-		
gate Energy APPROVAL:			ro	VP - Operat	tions
 	1	Co.C	ELJ	71 - Optile	
gale Energy APPROVAL:)	Co-C	EUBV	•	CRM
	WH	Co-C VP - Geoscien	nv	,	CRM
Co-CEC	WH		nv	·	CRM
Co-CEC	WH		JW nces		CRM
Co-CEC VP - Land & Lega	WH I BG		JW nces		CRM
Co-CEC VP - Land & Lega ON OPERATING PARTNE	WH BG R APPROVAL:	VP - Geoscien	JW 50		
Co-CEC VP - Land & Lega	WH BG R APPROVAL:		JW nces		x ID:
VP - Land & Lega	BG R APPROVAL:	VP - Geoscien	JW 50		
Co-CEC VP - Land & Lega ON OPERATING PARTNE Company Name	BG R APPROVAL:	VP - Geoscien	50 Working Interest (%):	Та	

		OF COSTS AND AUTHOR	RIZATION FOR EXPEND		
ATE:	3/1/2021	4221		AFE NO.:	0
ELL NAME:	Buckhorn 29 State Com	132H		_	nchester; Bone Spring
OCATION:	Parkway			MD/FVD:	18,560 / 8,200 10,360
OUNTY/STATE: olgate WI:				DRILLING DAYS:	23,25
EOLOGIC TARGET:	3rd Bone Spring			COMPLETION DAYS:	16
		20		_	
EMARKS:	Drill and Complete 60 s			ludes D&C, flowback & i	nitial ESP install.
INTANGIBLE	COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	COSTS
Land / Legal / Regulatory		\$ 35,000 150,000	13,000	10.000	\$ 35,000 173,000
Location, Surveys & Damag Freight / Transportation	63	55,500	36,750	10,000	92,250
Rental - Surface Equipment		62,354	150,450	4,640	217,444
Rental - Downhole Equipm	ent	68,799	56,000		124,799
Rental - Living Quarters		38,583	45,700	5,200	89,483 237,200
) Directional Drilling, Surve 1 Drilling	y*	521,597			521,597
Drill Bits		112,500			112,500
Fuel & Power		75,679	210,000		285,679
l Cementing & Float Equip 5 Perforating, Wireline, Slich	dina	155,000	260,750	8,000	155,000 268,750
High Pressure Pump Trucl			10,000		10,000
Completion Unit, Swab, C		747	150,000	12,040	162,040
Mud Circulation System		91,730			91,730
l Mud Logging 2 Logging / Formation Evalu	stion	21,725 8,296	8,000		21,725 16,296
i cogging y rormanon iivato I Mud & Chemicals	anon	106,356	308,000		414,356
l Water		28,426	543,228	-	571,654
5 Stimulation		12.42.2	720,000		720,000
6 Stimulation Flowback & D		04.038	94,000		94,000
8 Mud/Wastewater Disposa DRig Supervision/Enginee		96,938	73,000 79,600	9,800	169,938 197,722
o Kig Supervision/Enginee 2 Drig & Completion Overh		8,719	79,000	7,000	8,719
5 Labor		108,500	30,500	10,000	149,000
4 Proppant			490,676		490,676
5 Insurance 7 Contingency		34,810	159,333	5,968	34,810 271,602
9 Plugging & Abandonment		100,502	132,003	3,700	
	TOTAL INTANGIBLES	> 2,232,334	3,438,986	65,648	5,736,968
		DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLEC	DSTS	COSTS	COSTS	COSTS	COSTS
Surface Casing I Intermediate Casing	,	5 9,590 69,726	s	·	\$ 9,590 69,726
2 Drilling Liner		-			•
3 Production Casing		254,308			254,308
4 Production Liner		#(F		27.257	14.154
5 Tubing 6 Wellhead		64,000		36,356 48,900	36,356 112,900
7 Packers, Liner Hangers		22,000		3,500	25,500
8 Tanks		10		•	•
9 Production Vessels		70		-	•
0 Flow Lines		*)		-	<u>·</u>
1 Rod string 2 Artificial Lift Equipment		- 5		80,000	80,000
3 Compressor		9.0			•
4 Installation Costs		**		35,000	35,000
5 Surface Pumps		90.		5,000	5,000
6 Downhole Pumps 7 Measurement & Meter Ins	tallation			4,950	4,950
B Gas Conditioning / Dehyd					(K.
9 Interconnecting Facility Pi					(4)
O Gathering / Bulk Lines					
1 Valves, Dumps, Controller 2 Tank / Facility Containme					-
2 Tank/Facility Containme 3 Flare Stack	is a			-	-
4 Electrical / Grounding				60,000	60,000
5 Communications / SCAD/				140	-
6 Instrumentation / Safety	TOTAL TANCON OF	440755		273,706	693,329
	TOTAL TANGIBLES				6,430,297
	TOTAL COSTS	> 2,651,957	3,438,986	339,354	6,430,297
'ARED BY Colgate Energ	gy:				
Drilling Engineer	Steven Segnist				
Completions Engineer	**		CRM		
Production Engineer	-				
E ADDDOVAL					
ite Energy APPROVAL:					
Co-CEC	WH	Co-CE	O	VP - Operat	CRM CRM
VP - Land & Legal		VP - Geoscienc	911		~17.ITI
VI - Land & Co.S.	BG	VI - OLUXICIE	50		
. corrigination and an arrangement	R APPROVAL-				
I Shekwiller nynier			Working Interest (V)	77	ı ID:
OPERATING PARTNE			THOUSAIDE ITHERESE [76 I)	Tar	
Company Name	<u> </u>				
253.0			Date:		
Company Name			_		No (mark one)