

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF COLGATE OPERATING,
LLC FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO**

CASE NO. 22625

EXHIBIT INDEX

Compulsory Pooling Checklist

Exhibit A	Self-Affirmed Statement of Travis Macha
A-1	Application & Proposed Notice of Hearing
A-2	C-102
A-3	Plat of Tracts, Ownership Interests, Pooled Parties, Unit Recapitulation
A-4	Sample Well Proposal Letter & AFE(s)
A-5	Summary of Communications
A-6	Hearing Notice Letter and Return Receipts
A-7	Affidavit of Publication
Exhibit B	Self-Affirmed Statement of David DaGian
B-1	Regional Locator Map
B-2	Cross Section Location Map (including wells)
B-3	Third Bone Spring – Structure Map
B-4	Structural Cross Section
B-5	Stratigraphic Cross Section
B-6	Gun Barrel Development Plan

COMPULSORY POOLING APPLICATION CHECKLIST**ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS**

Case No.:	22625
Hearing Date:	4/7/2022
Applicant	Colgate Operating, LLC
Designated Operator & OGRID	371449
Applicant's Counsel	Hinkle Shanor LLP
Case Title	Application of Colgate Operating, LLC for Compulsory Pooling, Eddy County, New Mexico
Entries of Appearance/Intervenors	N/A
Well Family	Boomerang
Formation/Pool	
Formation Name(s) or Vertical Extent	Bone Spring
Primary Product (Oil or Gas)	Oil
Pooling this vertical extent	Bone Spring
Pool Name and Pool Code	Avalon; Bone Spring East Pool (Code 3713)
Well Location Setback Rules	Statewide
Spacing Unit Size	240-acre
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	240-acre
Building Blocks	quarter-quarter
Orientation	Laydown
Description: TRS/County	S/2S/2 of Section 25 and the S/2SE/4 of Section 26, Township 20 South, Range 28 East, Eddy County, New Mexico
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	N/A
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed
Well #1	Boomerang 25 Federal Com 134H (API # pending) SHL: 1,689' FSL, 367' FEL (Unit I) of Section 25, T20S-R28E BHL: 2,630' FEL & 990' FSL (Unit O) of Section 26, T20S-R28E Completion Target: Bone Spring (Approximately 8963' TVD) Completion status: Standard
Horizontal Well First and Last Take Points	Exhibit A-2
Completion Target (Formation, TVD and MD)	Exhibit A-4
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	8,000
Production Supervision/Month \$	800
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A-1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit A-6
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit A-7
Ownership Determination	
Land Ownership Schematic of Spacing Unit	Exhibit A-3

Tract List (including lease numbers & owners)	Exhibit A-3
Pooled Parties (including ownership type)	Exhibit A-3
Unlocatable Parties to be Pooled	Exhibit A-3
Ownership Depth Severance	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-4
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-3
Chronology of Contact with Non-Joined Working Interests	Exhibit A-5
Overhead Rates In Proposal Letter	Exhibit A-4
Cost Estimate to Drill and Complete	Exhibit A-4
Cost Estimate to Equip Well	Exhibit A-4
Cost Estimate for Production Facilities	Exhibit A-4
Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibit B-1
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-7
Well Orientation (with rationale)	Exhibit B
Target Formation	Exhibit B
HSU Cross Section	Exhibit B-6
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit A-2
Tracts	Exhibit A-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-3
General Location Map (including basin)	Exhibit B-1
Well Bore Location Map	Exhibit B-1
Structure Contour Map - Subsea Depth	Exhibits B-3, B-4
Cross Section Location Map (including wells)	Exhibit B-2
Cross Section (including Landing Zone)	Exhibit B-6
Additional Information	
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Dana S. Hardy
Signed Name (Attorney or Party Representative):	/s/ Dana S. Hardy
Date:	4/5/2022

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATIONS OF COLGATE OPERATING,
LLC FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

CASE NO. 22625

**SELF-AFFIRMED STATEMENT
OF TRAVIS MACHA**

1. I am a landman at Colgate Operating, LLC ("Colgate") and am over 18 years of age. I have personal knowledge of the matters addressed herein and am competent to provide this Self-Affirmed Statement. I have previously testified before the New Mexico Oil Conservation Division ("Division") and my credentials as an expert in petroleum land matters were accepted and made a matter of record.

2. I am familiar with the land matters involved in the above-referenced case. Copies of Colgate's application and proposed hearing notice are attached as **Exhibit A-1**.

3. None of the parties proposed to be pooled in this case indicated opposition to this matter proceeding by affidavit, therefore I do not expect any opposition at hearing.

4. Colgate seeks an order pooling all uncommitted interests in the Avalon; Bone Spring East Pool (Code 3713) within the Bone Spring formation underlying a 240-acre, more or less, standard horizontal spacing unit comprised of the S/2S/2 of Section 25 and the S/2SE/4 of Section 26, Township 20 South, Range 28 East, Eddy County, New Mexico ("Unit").

5. The Unit will be dedicated to the Boomerang 25 Federal Com 134H well ("Well") to be horizontally drilled from a surface hole location in the NE/4SE/4 (Unit I) of Section 25 to a bottom hole location in the SW/4SE/4 (Unit O) of Section 26.

6. The completed intervals of the Wells will be orthodox.

7. **Exhibit A-2** contains the C-102 for the Wells.

8. **Exhibit A-3** contains a plat identifying ownership by tract in the Unit. This exhibit also includes any applicable lease numbers, a unit recapitulation, and the interests Colgate seeks to pool highlighted in yellow.

9. **Exhibit A-4** contains a sample well proposal letter and AFEs sent to working interest owners for the Wells. The estimated costs reflected on the AFEs are fair and reasonable and comparable to the cost of other wells of similar depth and length drilled in the subject formation in the area.

10. Colgate has conducted a diligent search of all county public records including phone directories and computer databases.

11. One interest owner Colgate seeks to pool is unlocatable. **See Exhibit A-3.**

12. In my opinion, Colgate made a good-faith effort to reach voluntary joinder of uncommitted interests in the Wells as indicated by the chronology of contact described in **Exhibit A-5.**

13. Colgate requests overhead and administrative rates of \$8,000 per month while the Wells are being drilled and \$800 per month while the Wells are producing. These rates are fair and are comparable to the rates charged by Colgate and other operators in the vicinity.

14. Notice of this application and the Division hearing was timely provided to the uncommitted interests by certified mail more than 20 days prior to the hearing date. A sample of the notice letters and associated green cards are attached as **Exhibit A-6.**

15. Notice of this application and the Division hearing was published more than ten business days prior to the hearing date. The affidavit of publication is attached as **Exhibit A-7.**

16. The attached exhibits were either prepared by me or under my supervision or were compiled from company business records.

17. In my opinion, the granting of Colgate's application would serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

18. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 17 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.



Travis Macha

3/25/2022

Date

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF COLGATE OPERATING,
LLC FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

CASE NO. 22625

APPLICATION

Pursuant to NMSA § 70-2-17, Colgate Operating, LLC (OGRID No. 371449) ("Applicant") applies for an order pooling all uncommitted interests within the Bone Spring formation underlying a 240-acre, more or less, standard horizontal spacing unit comprised of the S/2S/2 of Section 25 and the S/2SE/4 of Section 26, Township 20 South, Range 28 East, Eddy County, New Mexico ("Unit"). In support of its application, Applicant states:

1. Applicant is a working interest owner in the Unit and has the right to drill wells thereon.
2. The Unit will be dedicated to the **Boomerang 25 Federal Com 134H** well ("Well") to be horizontally drilled from a surface hole location in the NE/4SE/4 (Unit I) of Section 25 to a bottom hole location in the SW/4SE/4 (Unit O) of Section 26.
3. The completed interval of the Well will be orthodox.
4. Applicant has undertaken diligent, good-faith efforts to obtain voluntary agreements from all interest owners to participate in the drilling of the Well but has been unable to obtain voluntary agreements from all interest owners.
5. The pooling of uncommitted interests will avoid the drilling of unnecessary wells, prevent waste and protect correlative rights.
6. In order to allow Applicant to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted mineral interests in the Unit should be pooled and Applicant should be designated the operator of the Well and Unit.

Colgate Operating, LLC
Case No. 22625
Exhibit A1

WHEREFORE, Applicant requests this application be set for hearing on April 7, 2022, and that after notice and hearing, the Division enter an order:

- A. Pooling all uncommitted interests in the Unit;
- B. Approving the Well in the Unit;
- C. Designating Applicant as operator of the Unit and the Well to be drilled thereon;
- D. Authorizing Applicant to recover its costs of drilling, equipping and completing the Well;
- E. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- F. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the Well against any working interest owner who does not voluntarily participate in the drilling of the Well.

Respectfully submitted,

HINKLE SHANOR LLP

/s/ Dana S. Hardy

Dana S. Hardy

Michael Rodriguez

Jaclyn M. McLean

P.O. Box 2068

Santa Fe, NM 87504-2068

Phone: (505) 982-4554

dhardy@hinklelawfirm.com

mrodriguez@hinklelawfirm.com

jmclean@hinklelawfirm.com

Counsel for Colgate Operating, LLC

Application of Colgate Operating, LLC for Compulsory Pooling, Eddy County, New Mexico.

Applicant applies for an order pooling all uncommitted interests within the Bone Spring formation underlying a 240-acre, more or less, standard horizontal spacing unit comprised of the S/2S/2 of Section 25 and the S/2SE/4 of Section 26, Township 20 South, Range 28 East, Eddy County, New Mexico ("Unit"). The Unit will be dedicated to the Boomerang 25 Federal Com 134H well ("Well") to be horizontally drilled from a surface hole location in the NE/4SE/4 (Unit I) of Section 25 to a bottom hole location in the SW/4SE/4 (Unit O) of Section 26. The completed interval of the Well will be orthodox. Also to be considered will be the cost of drilling and completing the Well and the allocation of the costs, the designation of Applicant as the operator of the Well, and a 200% charge for the risk involved in drilling and completing the Well. The Well is located approximately 10.17 miles northeast of Carlsbad, New Mexico.

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

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

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

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
4 Property Code	5 Property Name BOOMERANG 25 FED COM	6 Well Number 134H
7 OGRID No.	8 Operator Name COLGATE OPERATING, LLC	9 Elevation 3233'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	25	20-S	28-E		1689'	SOUTH	367'	EAST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	26	20-S	28-E		990'	SOUTH	2630'	EAST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16

FIRST TAKE POINT (FTP)
NEW MEXICO EAST - NAD 83
X=606159.17 LAT.= 32.53999669° N
Y=560245.48 LONG.= 104.12298114° W
NEW MEXICO EAST - NAD 27
X=564978.62 LAT.= 32.53987829° N
Y=560184.26 LONG.= -104.12247669° W
990' FSL, 100' FEL - SECTION 25

BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST - NAD 83
X=598311.17 LAT.= 32.53998165° N
Y=560225.45 LONG.= 104.14844860° W
NEW MEXICO EAST - NAD 27
X=557130.65 LAT.= 32.53986354° N
Y=560164.30 LONG.= -104.14794344° W
990' FSL, 2630' FEL - SECTION 26

SURFACE HOLE LOCATION (SHL)
NEW MEXICO EAST - NAD 83
X=560589.99 LAT.= 32.54191627° N
Y=560943.32 LONG.= 104.12382099° W
NEW MEXICO EAST - NAD 27
X=564718.45 LAT.= 32.54179790° N
Y=560882.08 LONG.= -104.12331646° W
1689' FSL, 367' FEL - SECTION 25

LAST TAKE POINT (LTP)
NEW MEXICO EAST - NAD 83
X=598401.18 LAT.= 32.53998165° N
Y=560225.61 LONG.= 104.14815653° W
NEW MEXICO EAST - NAD 27
X=557220.66 LAT.= 32.53986354° N
Y=560164.45 LONG.= -104.14765138° W
990' FSL, 2540' FEL - SECTION 26

CORNER DATA
NEW MEXICO EAST - NAD 83

A - FOUND 1" IRON PIPE
N:564532.08° E:595667.80'

B - FOUND 1" IRON PIPE
N:564538.23° E:598321.52'

C - FOUND 1" IRON PIPE
N:564550.78° E:600975.35'

D - FOUND 1" IRON PIPE
N:564550.78° E:603638.78'

E - CALCULATED CORNER
N:564557.40° E:606301.50'

F - FOUND 1" IRON PIPE
N:561904.20° E:606275.40'

G - FOUND 1/2" REBAR
N:559255.80° E:606249.50'

H - FOUND 1" IRON PIPE
N:559246.28° E:603590.99'

I - FOUND 1" IRON PIPE
N:559240.02° E:600933.83'

J - FOUND 1" IRON PIPE
N:559235.40° E:598282.58'

K - FOUND 1" IRON PIPE
N:559229.08° E:595632.31'

L - FOUND 1" IRON PIPE
N:561880.53° E:595649.72'

M - FOUND 1" IRON PIPE
N:561893.38° E:600953.80'

17 OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

18 SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey _____

Signature and Seal of Professional Surveyor: _____

Certificate Number _____

2/3/2022

Colgate Operating, LLC

Case No. 22625

Land Exhibit: S2S2 - Boomerang Fed Com 134H

Section 25: S2S2, Section 26: S2SE, T20S-R28E, Eddy Co., NM

<div>NM-015873 RT: Colgate WI: Colgate, et al. See Calc.</div> <div>E2 Section 26</div>	<div>NM-017103 RT: Colgate WI: Colgate, et al. See Calc.</div> <div>Section 25</div>	<div>NM-017221 RT: <u>Oxy*</u> WI: Colgate, et al. See Calc.</div>		<div>NM-017098 RT: Zorro, Ard, Javelina WI: Colgate, et al. See Calc.</div>	
Boomerang Fed Com 121H & 131H Spacing					
Boomerang Fed Com 122H & 132H Spacing					
Boomerang Fed Com 123H & 133H Spacing					
Boomerang Fed Com 134H Spacing					
E2 Section 26		Section 25			

		Documents Received			
Owner	Pooling?	Proposal	JOA	Com Agmt	Notes
Colgate Production, LLC	N/A	Y	Y	Y	
Javelina Partners	N	Y	Y	Y	
Zorro Partners	N	Y	Y	Y	
Ard Energy Partners	Y	Y	Y	Y	Requested offer to purchase on 3/23 - provided on 3/23
J&J Energy, LLC	Y	N	N	N	Unlocatable - 2 addresses attempted
XTO Holdings, LLC	Y	Y	Y	Y	

*Please Note Oxy USA, Inc. is the record title owner of NM-017221 - Oxy has assigned all rights including record title interest unto Colgate. Federal RT assignment HAS been filed with the BLM, they have yet to make the transfer.

Leasehold Ownership						
Tract	Colgate WI	Javelina WI	Zorro WI	Ard WI	J&J WI	XTO WI
Sec 25: NWNW	96.643168%	0.260417%	0.260417%	0.260416%	1.030233%	0.000000%
Sec 25: E2	97.656250%	0.260417%	0.260417%	0.260416%	0.000000%	1.562500%
Sec 25: S2NW, NENW, E2SW	99.218750%	0.260417%	0.260417%	0.260416%	0.000000%	0.000000%
Sec 25: NWSW, SWSW	100.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
Sec 26: E2	99.885375%	0.000000%	0.000000%	0.000000%	0.341500%	0.000000%

Unit Capitulation	
Owner	Working Interest
Colgate Production, LLC	98.860874%
Javelina Partners	0.130209%
Zorro Partners, Ltd.	0.130209%
Ard Energy Partners, Ltd.	0.130208%
J&J Energy, LLC	0.227667%
XTO Holdings, LLC	0.520833%
Total	100.000000%



January 24, 2022

Via Certified Mail

Javelina Partners
616 Texas Street
Fort Worth, TX 76102

RE: Boomerang 25 Federal Com – Well Proposals
Section 25: All, Section 26: E2, T20S-28E, Bone Spring Formation
Eddy County, New Mexico

To Whom It May Concern:

Colgate Operating, LLC, as operator for Colgate Production, LLC (“Colgate”), hereby proposes the drilling and completion of the following seven (7) wells, the Boomerang 25 Federal Com 121H, 122H, 123H, 131H, 132H, 133H, and 134H from two well pads at the following approximate locations within Township 20 South, Range 28 East:

- 1. Boomerang 25 Federal Com 121H – North Pad**
SHL: 1,338' FNL, 415' FEL, or at a legal location in unit H of Section 25
BHL: 2,630' FEL & 660' FNL of Section 26
FTP: 100' FEL & 660' FNL of Section 25
LTP: 2,540' FEL & 660' FNL of Section 26
TVD: 7,853'
TMD: Approximately 15,638'
Proration Unit: N2N2 of Section 25, N2NE of Section 26
Targeted Interval: 2nd Bone Spring
Total Cost: See attached AFE
- 2. Boomerang 25 Federal Com 122H – North Pad**
SHL: 1,368' FNL, 415' FEL, or at a legal location in unit H of Section 25
BHL: 2,630' FEL & 1,980' FNL of Section 26
FTP: 100' FEL & 1,980' FNL of Section 25
LTP: 2,540' FEL & 1,980' FNL of Section 26
TVD: 7,853'
TMD: Approximately 15,638'
Proration Unit: S2N2 of Section 25, S2NE of Section 26
Targeted Interval: 2nd Bone Spring
Total Cost: See attached AFE

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

Colgate Operating, LLC
Case No. 22625

Boomerang 25 Federal Com Well Proposal

3. Boomerang 25 Federal Com 123H – South Pad

SHL: 1,500' FSL, 350' FEL, or at a legal location in unit I of Section 25

BHL: 2,630' FEL & 1,980' FSL of Section 26

FTP: 100' FEL & 1,980' FSL of Section 25

LTP: 2,540' FEL & 1,980' FSL of Section 26

TVD: 7,783'

TMD: Approximately 15,568'

Proration Unit: N2S2 of Section 25, N2SE of Section 26

Targeted Interval: 2nd Bone Spring

Total Cost: See attached AFE

4. Boomerang 25 Federal Com 131H – North Pad

SHL: 1,398' FNL, 415' FEL, or at a legal location in unit H of Section 25

BHL: 2,630' FEL & 330' FNL of Section 26

FTP: 100' FEL & 330' FNL of Section 25

LTP: 2,540' FEL & 330' FNL of Section 26

TVD: 8,933'

TMD: Approximately 16,718'

Proration Unit: N2N2 of Section 25, N2NE of Section 26

Targeted Interval: 3rd Bone Spring

Total Cost: See attached AFE

5. Boomerang 25 Federal Com 132H – North Pad

SHL: 1,428' FNL, 415' FEL, or at a legal location in unit H of Section 25

BHL: 2,630' FEL & 1,650' FNL of Section 26

FTP: 100' FEL & 1,650' FNL of Section 25

LTP: 2,540' FEL & 1,650' FNL of Section 26

TVD: 8,933'

TMD: Approximately 16,718'

Proration Unit: S2N2 of Section 25, S2NE of Section 26

Targeted Interval: 3rd Bone Spring

Total Cost: See attached AFE

6. Boomerang 25 Federal Com 133H – South Pad

SHL: 1,470' FSL, 350' FEL, or at a legal location in unit H of Section 25

BHL: 2,630' FEL & 2,310' FSL of Section 26

FTP: 100' FEL & 2,310' FSL of Section 25

LTP: 2,540' FEL & 2,310' FSL of Section 26

TVD: 8,963'

TMD: Approximately 16,748'

Proration Unit: N2S2 of Section 25, N2SE of Section 26

Targeted Interval: 3rd Bone Spring

Total Cost: See attached AFE

Boomerang 25 Federal Com Well Proposal

7. **Boomerang 25 Federal Com 134H** – South Pad

SHL: 1,440' FSL, 350' FEL, or at a legal location in unit H of Section 25

BHL: 2,630' FEL & 990' FSL of Section 26

FTP: 100' FEL & 990' FSL of Section 25

LTP: 2,540' FEL & 990' FSL of Section 26

TVD: 8,963'

TMD: Approximately 16,748'

Proration Unit: S2S2 of Section 25, S2SE of Section 26

Targeted Interval: 3rd Bone Spring

Total Cost: See attached AFE

The locations, TVDs, and targets are approximate and subject to change dependent 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 is enclosed. The Operating Agreement has the following general provisions:

- 100%/300%/300% 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.

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

Thank you for your time and consideration, if you have any questions at all, please don't hesitate to contact me at 432.400.1037 or by email at tmacha@colgateenergy.com.

Respectfully,



Travis Macha
Senior Landman

Enclosures

Boomerang 25 Federal Com Well Proposal

Well Elections: <i>(Please indicate your responses in the spaces below)</i>		
Well(s)	Elect to Participate	Elect to <u>NOT</u> Participate
Boomerang 25 Federal Com 121H		
Boomerang 25 Federal Com 122H		
Boomerang 25 Federal Com 123H		
Boomerang 25 Federal Com 131H		
Boomerang 25 Federal Com 132H		
Boomerang 25 Federal Com 133H		
Boomerang 25 Federal Com 134H		

Company Name (If Applicable):

By: _____

Printed Name: _____

Date: _____

Colgate Energy

300 N. Mariefeld St., Ste. 1000 Midland, TX 79701
Phone (432) 695-4222 • Fax (432) 695-4063

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	1/24/2022	AFE NO.:	0
WELL NAME:	Boomerang 25 Federal Com 134H	FIELD:	Avalon; Bone Spring
LOCATION:	Section 25, Block T20S-R28E	MD/TVD:	16768' MD / 8948' TVD
COUNTY/STATE:	Eddy County, New Mexico	LATERAL LENGTH:	7,500
Colgate WI:		DRILLING DAYS:	23.4
GEOLOGIC TARGET:	TBSG	COMPLETION DAYS:	15.6
REMARKS:	Drill a horizontal WCa well and complete with 44 stages. AFE includes drilling, completions, flowback and Initial AL install cost		

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
1 Land / Legal / Regulatory	\$ 42,500	\$	\$	\$ 42,500
2 Location, Surveys & Damages	208,555	13,000	10,000	231,555
4 Freight / Transportation	32,330	31,500		63,830
5 Rental - Surface Equipment	95,463	138,650	6,120	240,233
6 Rental - Downhole Equipment	139,443	30,000		169,443
7 Rental - Living Quarters	37,294	40,700		77,994
10 Directional Drilling, Surveys	318,018			318,018
11 Drilling	636,811			636,811
12 Drill Bits	82,680			82,680
13 Fuel & Power	163,134	215,000		378,134
14 Cementing & Float Equip	188,192			188,192
15 Completion Unit, Swab, CTU			12,000	
16 Perforating, Wireline, Slickline	-	210,500	18,000	228,500
17 High Pressure Pump Truck	-	37,750		37,750
18 Completion Unit, Swab, CTU	-	86,800		86,800
20 Mud Circulation System	86,657			86,657
21 Mud Logging	16,727			16,727
22 Logging / Formation Evaluation	7,117	6,000		13,117
23 Mud & Chemicals	269,409	238,210		507,619
24 Water	44,520	353,300		397,820
25 Stimulation	-	717,953		717,953
26 Stimulation Flowback & Disp	-	104,000		104,000
28 Mud / Wastewater Disposal	156,986	41,000		197,986
30 Rig Supervision / Engineering	103,736	89,700	4,800	198,236
32 Drlg & Completion Overhead	9,000	-		9,000
35 Labor	117,766	42,500	20,000	180,266
54 Proppant		542,531		542,531
95 Insurance	8,384			8,384
97 Contingency	-	21,539	7,092	28,631
99 Plugging & Abandonment	-			-
TOTAL INTANGIBLES >	2,764,724	3,528,455	78,012	6,598,398

TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
60 Surface Casing	\$ 60,309	\$	\$	\$ 60,309
61 Intermediate Casing	73,075			73,075
62 Drilling Liner	133,379			133,379
63 Production Casing	417,257			417,257
64 Production Liner	-			-
65 Tubing	-		55,000	55,000
66 Wellhead	68,900		51,200	120,100
67 Packers, Liner Hangers	10,600	-	7,500	18,100
68 Tanks	-		16,500	16,500
69 Production Vessels	-			-
70 Flow Lines	-		12,500	12,500
71 Rod string	-			-
72 Artificial Lift Equipment	-		40,000	40,000
73 Compressor	-		42,500	42,500
74 Installation Costs	-			-
75 Surface Pumps	-		5,000	5,000
76 Downhole Pumps	-			-
77 Measurement & Meter Installation	-		21,000	21,000
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			55,000	55,000
85 Communications / SCADA				-
86 Instrumentation / Safety				-
TOTAL TANGIBLES >	763,520	0	306,200	1,069,720
TOTAL COSTS >	3,528,244	3,528,455	384,212	7,758,669
	\$ 470	\$ 353		\$ 776

PREPARED BY Colgate Energy:

Drilling Engineer:	SS/RM/PS
Completions Engineer:	Miles Landry
Production Engineer:	Levi Harris

Colgate Energy APPROVAL:

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

NON OPERATING PARTNER APPROVAL:

Company Name:	Working Interest (%):	Tax ID:
Signed by:	Date:	
Title:	Approval:	Yes No (mark one)

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



Boomerang – Chronology of Communication

January 24, 2022 – Proposal to all parties sent

February 4, 2022 – Phone Call with Randall Hudson (Javelina Partners) – Not pooling

February 11, 2022 – Received Javelina/Zorro Elections and JOA

February 28, 2022 – Email from Blue Ridge Energy requesting information on interest.

March 3, 2022 - March 14, 2022 – Blue Ridge Energy request for offer for Colgate to purchase interest – Colgate purchases and closes.

March 7, 2022 – March 17, 2022 – BF Energy request for offer for Colgate to purchase interest – Colgate purchases and closes.

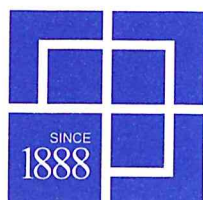
March 23, 2022 – Email from Ard Energy Partners requesting offer for Term Assignment from Colgate

March 23-24, 2022 – Emails returned to Ard with an offer for Term Assignment as well as information on interest owned.

March 24, 2022 – Email from XTO requesting info on spud date, completion date, development plan, etc.

March 24, 2022 – Email response to XTO on spud date, completion date, development plan, etc.

*J&J Energy – Two separate addresses were attempted for delivery of proposal, being returned to sender each time.



hinklelawfirm.com

HINKLE SHANOR LLP

ATTORNEYS AT LAW

PO BOX 2068

SANTA FE, NEW MEXICO 87504

505-982-4554 (FAX) 505-982-8623

WRITER:

Dana S. Hardy, Partner
dhardy@hinklelawfirm.com

March 9, 2022

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED**TO ALL INTERESTED PARTIES SUBJECT TO NOTICE****Re: Case No. 22625 - Colgate Operating, LLC for Compulsory Pooling, Eddy County, New Mexico.**

To whom it may concern:

This letter is to advise you that the enclosed application was filed with the New Mexico Oil Conservation Division. The hearing will be conducted on **April 7, 2022** beginning at 8:15 a.m.

During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: <https://www.emnrd.nm.gov/oed/hearing-info/>. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Pursuant to Division Rule 19.15.4.13.B, a party who intends to present evidence at the hearing shall file a pre-hearing statement and serve copies on other parties, or the attorneys of parties who are represented by counsel, at least four business days in advance of a scheduled hearing, but in no event later than 5:00 p.m. mountain time, on the Thursday preceding the scheduled hearing date. The statement must be filed at the Division's Santa Fe office or submitted through the OCD E-Permitting system (<https://wwwapps.emnrd.state.nm.us/oed/oedpermitting/>) and should include: the names of the parties and their attorneys, a concise statement of the case, the names of all witnesses the party will call to testify at the hearing, the approximate time the party will need to present its case, and identification of any procedural matters that are to be resolved prior to the hearing. Please do not hesitate to contact me if you have any questions about this matter.

Sincerely,

/s/ Dana S. Hardy

Dana S. Hardy

Enclosure

Colgate Operating, LLC
Case No. 22625

Exhibit A6

PO BOX 10
ROSWELL, NEW MEXICO 88202
575-622-6510
(FAX) 575-623-9332PO BOX 1720
ARTESIA, NEW MEXICO 88210
575-622-6510
(FAX) 575-746-6316PO BOX 2068
SANTA FE, NEW MEXICO 87504
505-982-4554
(FAX) 505-982-8623

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

APPLICATION OF COLGATE OPERATING
LLC FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO

Case No. 22625

NOTICE LETTERS

PARTY	NOTICE LETTER SENT	RETURN RECEIVED
Ard Energy Partners, Ltd. P.O. Box 101027 Fort Worth, TX 76185	03/09/22	03/17/22
BF Energy LLC Attn: Randal Bunes 3504 E. Claremont Ave. Paradise Valley, AZ 85253	03/09/22	03/21/22
Blue Ridge Energy, LLC P.O. Box 26567 Phoenix, AZ 85068	03/09/22	Nothing returned
J&J Energy, LLC 2851 E. Capricorn Place Chandler, AZ 85249	03/09/22	03/21/22-returned as undeliverable-unable to forward
Javelina Partners 616 Texas Street Fort Worth, TX 76102	03/09/22	Nothing returned
XTO Holdings, LLC Attn: Permian Land Department 22777 Springwoods Village Pkwy. Houston, TX 77389	03/09/22	Nothing returned
Zorro Partners, Ltd. 616 Texas Street Fort Worth, TX 76102	03/09/22	Nothing returned

7021 0950 0002 0367 5881

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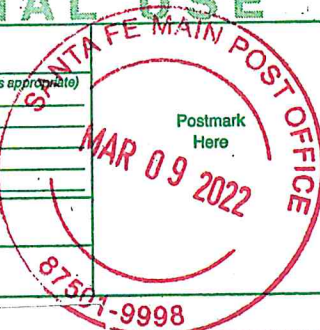
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Certified Mail Fee \$
 Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage \$
 Total Postage and Fees \$

Sent To
 Street Address Ard Energy Partners, Ltd.
 P.O. Box 101027
 Fort Worth, TX 76185
 City, State

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Ard Energy Partners, Ltd.
 P.O. Box 101027
 Fort Worth, TX 76185



9590 9402 5760 0003 2721 05

2. Article Number (Transfer from service label)

7021 0950 0002 0367 5881

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

- A. Signature [Signature] ☐ Agent
☒ Addressee
- B. Received by (Printed Name) JB Graf C. Date of Delivery 3/14/2022
- D. Is delivery address different from item 1? ☐ Yes
 If YES, enter delivery address below: ☐ No

3. Service Type
- | | |
|--|---|
| <input type="checkbox"/> Adult Signature | <input type="checkbox"/> Priority Mail Express® |
| <input type="checkbox"/> Adult Signature Restricted Delivery | <input type="checkbox"/> Registered Mail™ |
| <input checked="" type="checkbox"/> Certified Mail® | <input type="checkbox"/> Registered Mail Restricted Delivery |
| <input type="checkbox"/> Certified Mail Restricted Delivery | <input checked="" type="checkbox"/> Return Receipt for Merchandise |
| <input type="checkbox"/> Collect on Delivery | <input type="checkbox"/> Signature Confirmation™ |
| <input type="checkbox"/> Collect on Delivery Restricted Delivery | <input type="checkbox"/> Signature Confirmation Restricted Delivery |
| <input type="checkbox"/> Insured Mail | |
| <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500) | |

Domestic Return Receipt

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Extra Services & Fees (check box, add fee as appropriate)

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☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

\$

Total Postage and Fees

\$

Sent To

Street and Apt. No. BF Energy LLC
 Attn: Randal Bunes
 3504 E. Claremont Ave.
 City, State, ZIP+4® Paradise Valley, AZ 85253

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BF Energy LLC
 Attn: Randal Bunes
 3504 E. Claremont Ave.
 Paradise Valley, AZ 85253



9590 9402 5760 0003 2720 75

2. Article Number (Transfer from service label)

7021 0950 0002 0367 5911

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *R Bunes*☐ Agent☐ Addressee

B. Received by (Printed Name)

SA 5308 W 19

C. Date of Delivery

3-15

 D. Is delivery address different from item 1? ☐ Yes
 If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over \$500)

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<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	
\$	
Total Postage and Fees	
\$	
Sent To	
J&J Energy, LLC	
2851 E. Capricorn Place	
Chandler, AZ 85249	
City, State, ZIP	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	



LE SHANOR LLP
TORNEYS AT LAW
OFFICE BOX 2068
E, NEW MEXICO 87504



7021 0950 0002 0367 5904



J&J Energy, LLC
2851 E. Capricorn Place
Chandler, AZ 85249

NIXIE 850 FE 1 0003/13/22
RETURN TO SENDER
NOT DELIVERABLE AS ADDRESSED
UNABLE TO FORWARD
BC: 87504206868 *1779-01835-13-16

85249#5251 R

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☐ Adult Signature Restricted Delivery \$
Postage \$
Total Postage and Fees \$
Sent To
Street and Apt. Blue Ridge Energy, LLC
P.O. Box 26567
City, State, Zip Phoenix, AZ 85068
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



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☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$
Postage \$
Total Postage and Fees \$
Sent To
Street and Javelina Partners
616 Texas Street
City, State, Zip Fort Worth, TX 76102
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

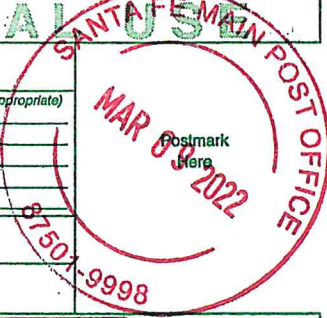


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☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$
Postage \$
Total Postage and Fees \$
Sent To
Street and Apt. XTO Holdings, LLC
Attn: Permian Land Department
22777 Springwoods Village Pkwy.
City, State, Zip Houston, TX 77389
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



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☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$
Postage \$
Total Postage and Fees \$
Sent To
Street and Zorro Partners, Ltd.
616 Texas Street
City, State, Zip Fort Worth, TX 76102
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



Carlsbad Current Argus.

PART OF THE USA TODAY NETWORK

Affidavit of Publication

Ad # 0005172277


This is not an invoice

HINKLE SHANOR LLP
218 MONTEZUMA

SANTA FE, NM 87501

I, a legal clerk of the **Carlsbad Current Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof in editions dated as follows:

03/15/2022



Legal Clerk

Subscribed and sworn before me this March 15, 2022:



State of WI, County of Brown
NOTARY PUBLIC

1-7-25

My commission expires

KATHLEEN ALLEN
Notary Public
State of Wisconsin

Ad # 0005172277
PO #: 5172277
of Affidavits 1

This is not an invoice

This is to notify all interested parties, including Javelina Partners; Zorro Partners, Ltd.; Ard Energy Partners, Ltd.; Blue Ridge Energy, LLC; J&J Energy, LLC; BF Energy LLC; XTO Holdings, LLC; and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Colgate Operating, LLC (Case No. 22625). During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on April 7, 2022, beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website for that date: <http://www.emnrd.state.nm.us/OCD/hearings.html>. Applicant applies for an order pooling all uncommitted interests within the Bone Spring formation underlying a 240-acre, more or less, standard horizontal spacing unit comprised of the S/2S/2 of Section 25 and the S/2SE/4 of Section 26, Township 20 South, Range 28 East, Eddy County, New Mexico ("Unit"). The Unit will be dedicated to the Boomerang 25 Federal Com 134H well ("Well") to be horizontally drilled from a surface hole location in the NE/4SE/4 (Unit I) of Section 25 to a bottom hole location in the SW/4SE/4 (Unit O) of Section 26. The completed interval of the Well will be orthodox. Also to be considered will be the cost of drilling and completing the Well and the allocation of the costs, the designation of Applicant as the operator of the Well, and a 200% charge for the risk involved in drilling and completing the Well. The Well is located approximately 10.17 miles northeast of Carlsbad, New Mexico. #5172277, Current Argus, March 15, 2022

Colgate Operating, LLC
Case No. 22625
Exhibit A7

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF COLGATE OPERATING,
LLC FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO**

CASE NO. 22625

**SELF-AFFIRMED STATEMENT
OF DAVID DAGIAN**

1. I am a geologist at Colgate Operating, LLC ("Colgate") and am over 18 years of age. I have personal knowledge of the matters addressed herein and am competent to provide this Self-Affirmed Statement. I have previously testified before the New Mexico Oil Conservation Division ("Division"), and my credentials as an expert in petroleum geology matters were accepted and made a matter of record.

2. I am familiar with the geological matters that pertain to the above-referenced case.

3. **Exhibit B-1** is a regional locator map that identifies the Boomerang project area, in proximity to the Capitan Reef within the Delaware Basin, for the Bone Spring horizontal spacing units that are the subject of these applications.

4. **Exhibit B-2** is a cross section location map for the proposed horizontal spacing unit ("Unit") within the Bone Spring formation. The approximate wellbore path for the proposed **Boomerang 25 Fed Com 134H** well ("Well") targeting the Third Bone Spring (TBSG) is represented by the dashed line. Existing producing wells in the Second Bone Spring (SBSG) and Third Bone Spring (TBSG) intervals and are represented by solid lines. This map identifies the cross-section running from A-A' with the cross-section well names and a black line in proximity to the proposed well.

5. **Exhibit B-3** is Third Bone Spring (TBSG) Structure map on the top of the Third Bone Spring formation in TVD subsea with a contour interval of 50 ft. The map identifies the approximate wellbore path for the **Boomerang 25 Fed Com 134H** proposed TBSG well with a red dashed line. It also identifies the location of the cross-section running from A-A' in proximity to the proposed well. The data points are indicated by red triangles. The map demonstrates the formation is gently dipping to the east-southeast in this area. I do not observe any faulting, pinch-outs, or geologic impediments to developing the targeted intervals with a horizontal well.

6. **Exhibit B-4** identifies three wells penetrating the targeted interval I used to construct a structural cross-section from A to A'. The structural cross section from west to east shows the regional dip to the East-Southeast for both the SBSG and the TBSG. I used these well logs because they penetrate the targeted interval, are of good quality, and are representative of the geology in the area. The target zone for the proposed well is the Third Bone Spring formation, which is consistent across the units. The approximate well-path for the proposed well is indicated by dashed line to be drilled from east to west across the units.

7. **Exhibit B-5** is a stratigraphic cross-section from A to A' using the representative wells identified on **Exhibit B-4**. It contains gamma ray, resistivity, and porosity logs. The cross section is oriented from west to east and is hung on the top of the Wolfcamp formation. The proposed landing zone for the Well is labeled on the exhibit. The approximate well-path for the proposed well is indicated by dashed line to be drilled from east to west across the units. This cross-section demonstrates the target interval is continuous across the Unit.

8. **Exhibit B-6** is a gun barrel diagram that shows the **Boomerang 25 Fed Com 134H** well in the Third Bone Spring formation.

9. In my opinion, a laydown orientation for the Well is appropriate to properly develop the subject acreage because of consistent rock properties throughout the Unit and is the preferred fracture orientation in this portion of the trend.

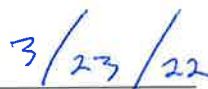
10. Based on my geologic study of the area, the targeted interval underlying the Unit is suitable for development by horizontal wells and the tracts comprising the Unit will contribute more or less equally to the production of the Well.

11. In my opinion, the granting of Colgate's application will serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

12. The exhibits attached hereto were either prepared by me or under my supervision or were compiled from company business records.

13. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm my testimony in paragraphs 1 through 12 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date identified next to my signature below.

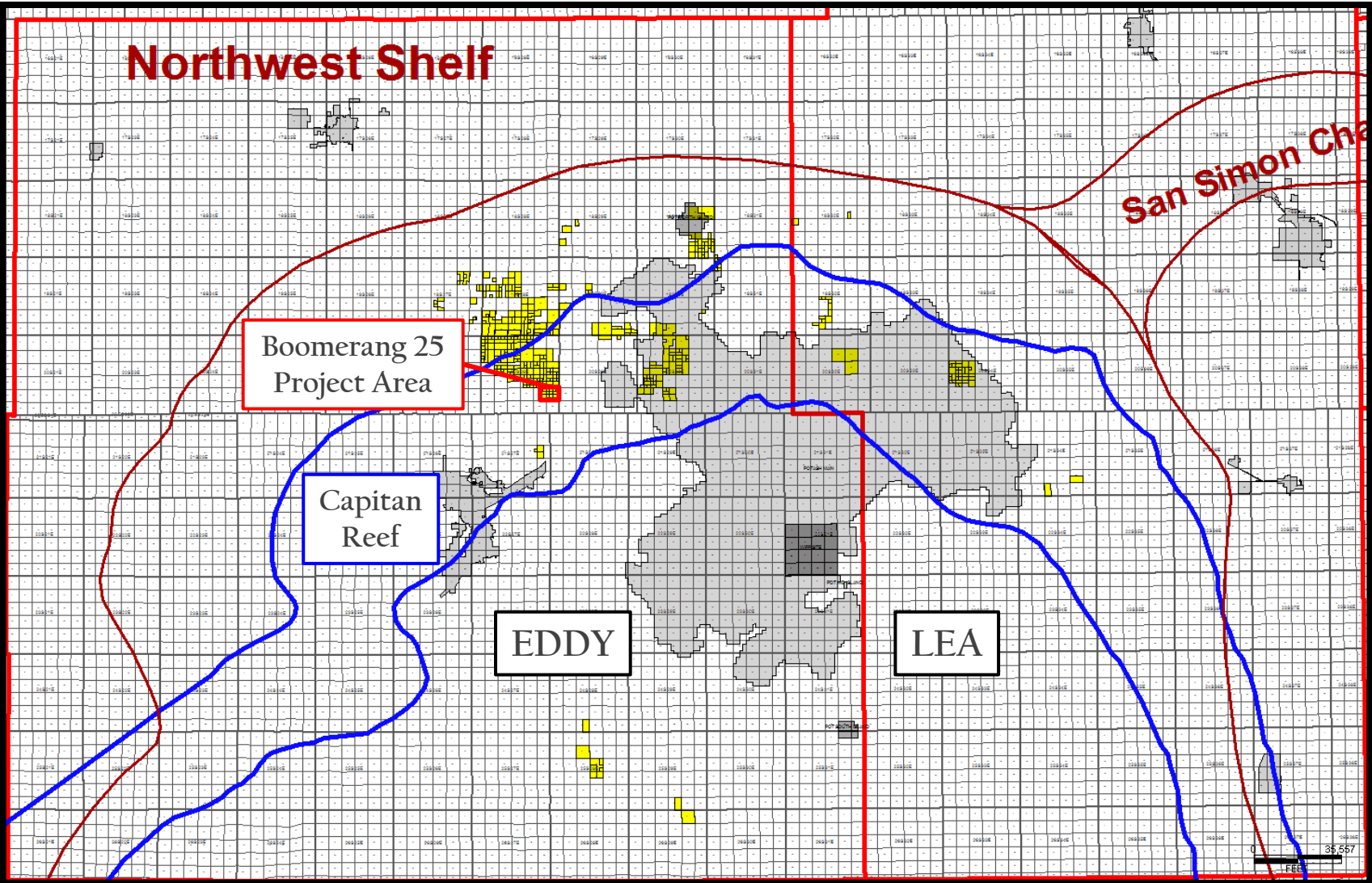

David DaGian


Date



Compulsory Pooling Hearing – Case No. 22625
Geology Exhibits
Boomerang 25 Fed Com 134H
4/7/2022

Colgate Operating, LLC
Case No. 22625
Exhibit B1

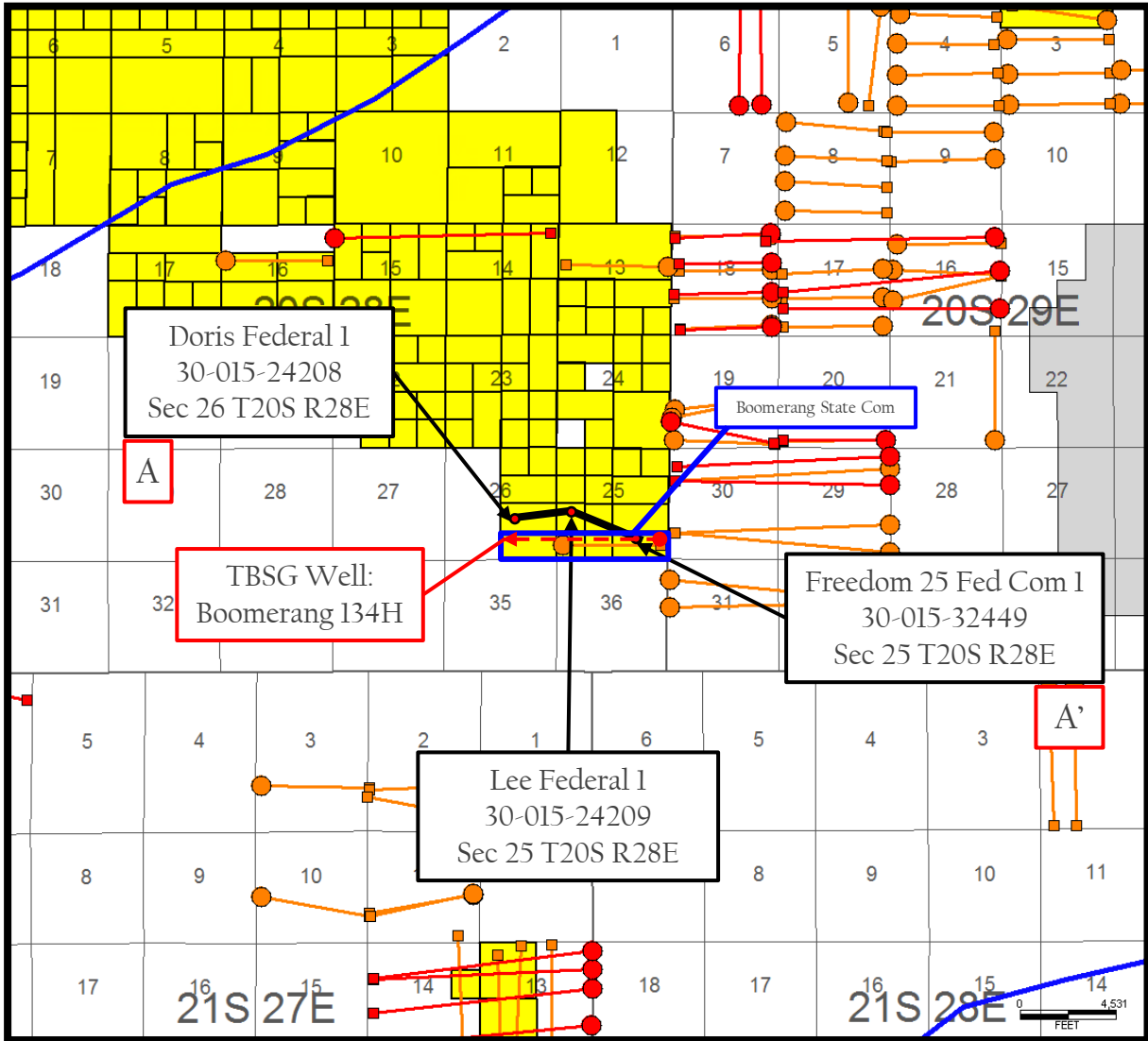


Colgate Energy

Cross Section Locator Map

Boomerang 25 Fed Com 134H

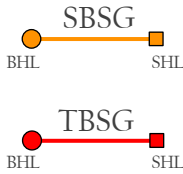
Exhibit B-2



Proposed Wells

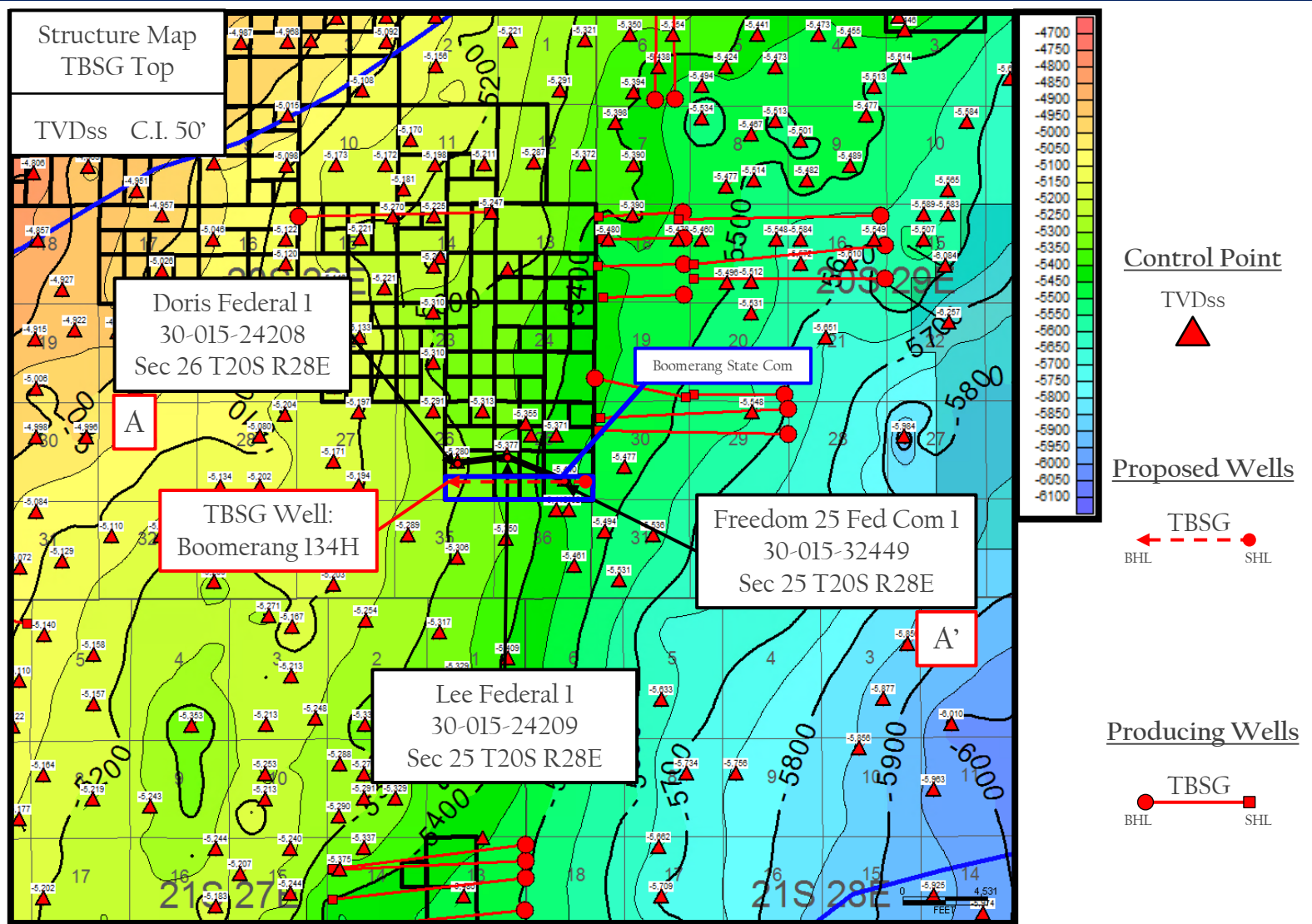


Producing Wells



Colgate Operating, LLC
Case No. 22625
Exhibit B2

Colgate Energy



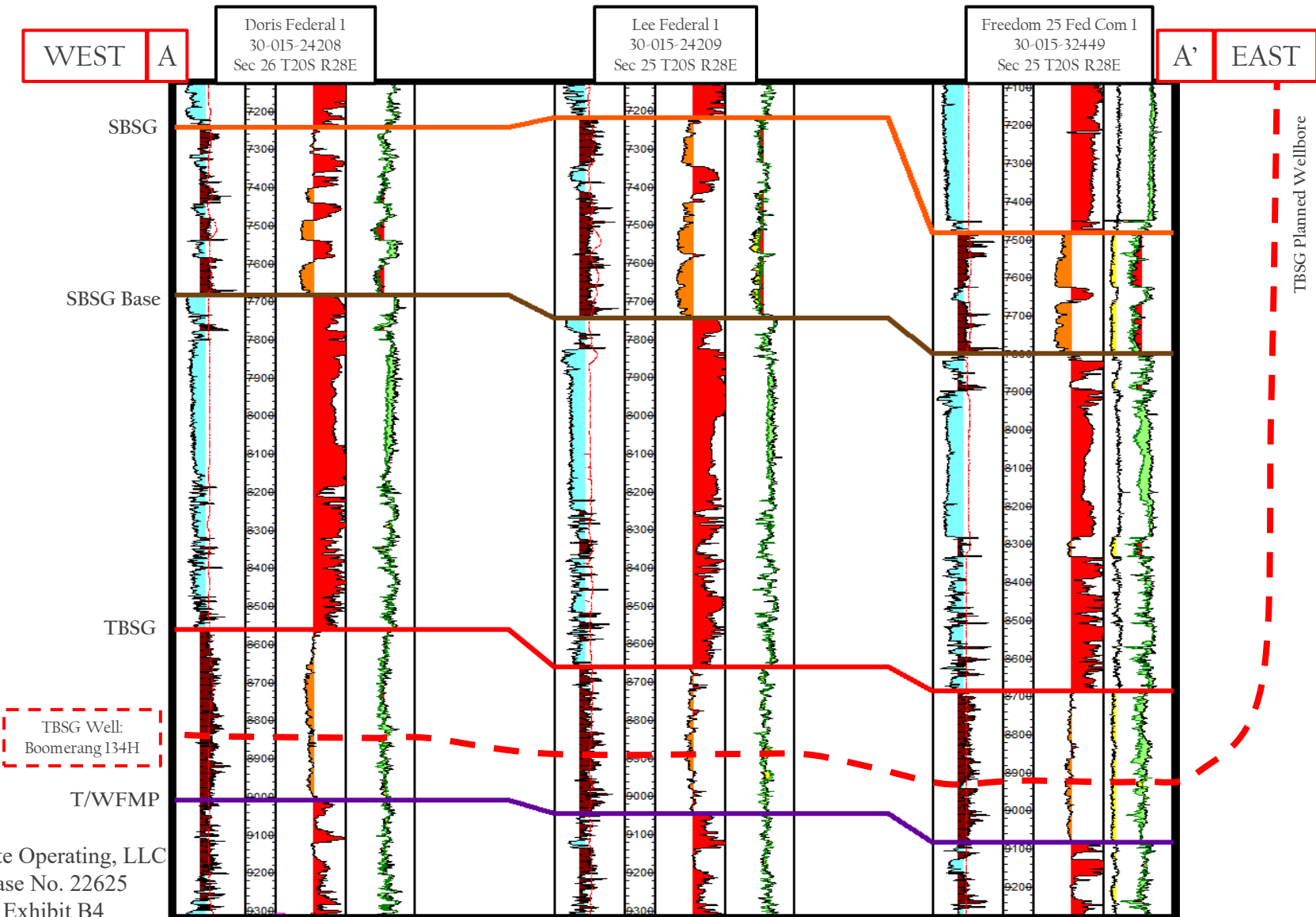
Colgate Operating, LLC
Case No. 22625
Exhibit B3

Colgate Energy

Structural Cross Section A-A' (SBSG and TBSG)

Boomerang 25 Fed Com

Exhibit B-4



Colgate Operating, LLC
Case No. 22625
Exhibit B4

Stratigraphic Cross Section A-A' (SBSG and TBSG)

Boomerang 25 Fed Com

Exhibit B-5

