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

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

CASE NO. 24126

EXHIBIT INDEX

Compulsory Pooling Checklist

Exhibit A	Self-Affirmed Statement of Mason Maxwell
A-1	Application & Proposed Notice of Hearing
A-2	C-102s
A-3	Plat of Tracts, Tract Ownership, Applicable Lease Numbers, Unit Recapitulation, Pooled Parties
A-4	Sample Well Proposal Letter & AFEs
A-5	Chronology of Contact
Exhibit B	Self-Affirmed Statement of Christopher Cantin
B- 1	Regional Locator Map
B-2	Cross Section Location Map
B-3	First Bone Spring Structure Map
B-4	Base Second Bone Spring Structure Map
B-5	Top Third Bone Spring Structure Map
B-6	Stratigraphic Cross Section
B-7	Gun Barrel Development Plan
Exhibit C	Self-Affirmed Statement of Dana S. Hardy
C-1	Notice Letters to All Interested Parties
C-2	Chart of Notice to All Interested Parties
C-3	Copies of Certified Mail Receipts and Returns
C-4	Affidavit of Publication for January 12, 2024

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 24126	APPLICANT'S RESPONSE
Date	June 13, 2024
Applicant	Colgate Production, LLC
Designated Operator & OGRID (affiliation if applicable)	Permian Resources Operating, LLC (OGRID No. 372165)
Applicant's Counsel:	Hinkle Shanor LLP
Case Title:	Application of Colgate Production, LLC for Compulsory Pooling, Eddy County, New Mexico.
Entries of Appearance/Intervenors:	N/A
Well Family	Morbucks 25-26 Federal Com
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 (Only if NSP is requested):	Hackberry; Bone Spring, NW (Code 97020)
Well Location Setback Rules (Only if NSP is Requested):	Statewide
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	280 acres
Building Blocks:	quarter-quarter
Orientation:	East to West
Description: TRS/County	SW/4 SE/4 and S/2 SW/4 of Section 25, and the S/2 S/2 of Section 26, Township 19 South, Range 30 East, Eddy County.
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	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
Applicant's Ownership in Each Tract	Exhibit A-3
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	Morbucks 25-26 Federal Com 114H (API # pending) SHL: 1288' FSL & 1435' FEL (Unit O), Section 25, T19S-R30E BHL: 660' FSL & 100' FWL (Unit M), Section 26, T19S-R30E Completion Target: First Bone Spring (Approx. 7,958' TVD)
Well #2	Morbucks 25-26 Federal Com 124H (API # pending) SHL: 1227' FSL & 1409' FEL (Unit O), Section 25, T19S-R30E BHL: 660' FSL & 100' FWL (Unit M), Section 26, T19S-R30E Completion Target: Second Bone Spring (Approx. 8,906' TVD)

^W Retëived by OCD: 6/6/2024 3:14:33 PM	Morbucks 25-26 Federal Com 134H (API # pending)PageSHL: 1166' FSL & 1384' FEL (Unit O), Section 25, T19S-R30EBHL: 660' FSL & 100' FWL (Unit M), Section 26, T19S-R30ECompletion Target: Third Bone Spring (Approx. 9,831' TVD)	3 of 53
AFE Capex and Operating Costs		
Drilling Supervision/Month \$	\$10,000	1
Production Supervision/Month \$	\$1,000	1
Justification for Supervision Costs	Exhibit A-4	1
Requested Risk Charge	200%	1
Notice of Hearing		1
Proposed Notice of Hearing	Exhibit A-1	1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibits C-1, C-2, C-3	1
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit C-4	1
Ownership Determination		
Land Ownership Schematic of the Spacing Unit	Exhibit A-3	1
Tract List (including lease numbers and owners)	Exhibit A-3	1
If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	N/A	1
Pooled Parties (including ownership type)	Exhibit A-3	1
Unlocatable Parties to be Pooled	N/A	1
Ownership Depth Severance (including percentage above & below)	N/A	
Joinder		4
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-2]
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-2]
Structure Contour Map - Subsea Depth	Exhibits B-3, B-4, B-5]

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Cross Section (including Landing Zone)	Exhibit B-6	
Additional Information		
Special Provisions/Stipulations	N/A	
CERTIFICATION: I hereby certify that the information pro	ovided 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:	6/6/2024	1

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

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

CASE NO. 24126

SELF-AFFIRMED STATEMENT OF MASON MAXWELL

1. I am a landman with Permian Resources Operating, LLC ("Permian Resources"). I am over 18 years of age, 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 cases. Copies of Colgate Production, LLC's ("Colgate") 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 Bone Spring formation underlying a 280-acre, more or less, standard horizontal spacing unit comprised of the SW/4 SE/4 and S/2 SW/4 of Section 25, and the S/2 S/2 of Section 26, Township 19 South, Range 30 East, Eddy County, New Mexico ("Unit").

5. The Unit will be dedicated to the **Morbucks 25-26 Federal Com 114H**, **Morbucks 25-26 Federal Com 124H**, and **Morbucks 25-26 Federal Com 134H** wells ("Wells"), which will be drilled from surface hole locations in the SW/4 SE/4 (Unit O) of Section 25, to bottom hole locations in the SW/4 SW/4 (Unit M) of Section 26.

Colgate Production, LLC Case No. 24126 Exhibit A

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6. The Wells will be completed in the Hackberry, NW; Bone Spring pool (Code 97020).

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

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

9. **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. All of the parties are locatable in that Colgate believes it located valid addresses for them.

10. Colgate has conducted a diligent search of all county public records, including phone directories and computer databases, as well as internet searches, to locate the interest owners it seeks to pool.

11. **Exhibit A-4** contains a sample well proposal letter that was sent to 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.

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 that Permian Resources be designated as operator of the Unit and the Wells.

14. Permian Resources requests overhead and administrative rates of \$10,000 per month while the Wells are being drilled, and \$1,000 per month while the Wells are producing. These rates are fair and are comparable to the rates charged by Permian Resources and other operators in the vicinity.

2

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

16. 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.

17. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony 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 next to my electronic signature below.

Mary Macunel

Mason Maxwell

<u>04/15/2024</u> Date

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

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

CASE NO. 24126

APPLICATION

Pursuant to NMSA § 70-2-17, Colgate Production, LLC ("Applicant") applies for an order pooling all uncommitted interests in the Bone Spring formation underlying a 280-acre, more or less, standard horizontal spacing unit comprised of the SW/4 SE/4 and S/2 SW/4 of Section 25, and the S/2 S/2 of Section 26, Township 19 South, Range 30 East, Eddy County, New Mexico ("Unit"). In support of its application, Applicant states the following:

- 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 Morbucks 25-26 Federal Com 114H, Morbucks

25-26 Federal Com 124H, and **Morbucks 25-26 Federal Com 134H** wells ("Wells"), which will be drilled from surface hole locations in the SW/4 SE/4 (Unit O) of Section 25, to bottom hole locations in the SW/4 SW/4 (Unit M) of Section 26.

3. The completed intervals of the Wells 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 Wells 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

Colgate Production, LLC Case No. 24126 Exhibit A-1 the subject lands, all uncommitted interests in the Unit should be pooled and Permian Resources Operating, LLC (OGRID No. 372165) should be designated the operator of the Wells and the Unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on February 1, 2024, and, after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted interests in the Unit;
- B. Approving the Wells in the Unit;
- C. Designating Permian Resources Operating, LLC as the operator of the Unit and the Wells to be drilled thereon;
- D. Authorizing Permian Resources Operating, LLC to recover its costs of drilling, equipping, and completing the Wells;
- 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% charge for the risk assumed by Permian Resources Operating, LLC in drilling and completing the Wells against any working interest owner who does not voluntarily participate in the drilling of the Wells.

Respectfully submitted,

HINKLE SHANOR LLP

<u>/s/ Dana S. Hardy</u> Dana S. Hardy Jaclyn M. McLean P.O. Box 2068 Santa Fe, NM 87504-2068 Phone: (505) 982-4554 dhardy@hinklelawfirm.com jmclean@hinklelawfirm.com *Counsel for Colgate Production, LLC and Permian Resources Operating, LLC* Application of Colgate Production, LLC for Compulsory Pooling, Eddy County, New Mexico. Applicant applies for an order pooling all uncommitted interests in the Bone Spring formation underlying a 280-acre, more or less, standard horizontal spacing unit comprised of the SW/4 SE/4 and S/2 SW/4 of Section 25, and the S/2 S/2 of Section 26, Township 19 South, Range 30 East, Eddy County, New Mexico ("Unit"). The Unit will be dedicated to the Morbucks 25-26 Federal Com 114H, Morbucks 25-26 Federal Com 124H, and Morbucks 25-26 Federal Com 134H wells ("Wells"), which will be drilled from surface hole locations in the SW/4 SE/4 (Unit O) of Section 25, to bottom hole locations in the SW/4 SW/4 (Unit M) of Section 26. The completed intervals of the Wells will be orthodox. Also to be considered will be the cost of drilling and completing the Wells and the allocation of the costs, the designation of Permian Resources Operating LLC as operator of the Wells, and a 200% charge for the risk involved in drilling and completing the Wells. The Wells are located approximately 23 miles northeast of Carlsbad, New Mexico.

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

Phone: (575) 748-1283 Fax: (575) 748-9720

District II 811 S. First St., Artesia, NM 88210

Colgate Production, LLC Case No. 24126 Exhibit A-2

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

AMENDED REPORT

District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 1220 South St. Francis Dr. Santa Fe, NM 87505 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 WELL LOCATION AND ACREAGE DEDICATION PLAT 1 API Number ² Pool Code 97020 HackBerry; Bone Spring, NW 4 Property Code **Property Name** Well Number MORBUCKŠ 25-26 FED 114H 7 OGRID No. ⁸ Operator Name 'Elevation 3428.3' 372165 PERMIAN RESOURCES OPERATING, LLC "Surface Location Lot Idn UL or lot no ection Range Feet from the Feet from th East/West line County 25 19S 30Ĕ 1288 SOUTH 1435 EAST EDDY 0 "Bottom Hole Location If Different From Surface Lot Idn Feet from the Feet from 100 st/West line WEST Range 30E County EDDY ection 26 orth/South li SOUTH Μ 198 660 ² Dedicated Acres Joint or Infill 14 Consolidation Cod 15 Order No 280 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. Re-Established E 1/4 Corner E 1/4 Corner ¹⁷OPERATOR by Double Proportion CERTIFICATION Method S89'58'31"W N89*53'42"W N89'49'42"W N89'58'41"W 2639.13' (Meas.) 2636.37' (Meas.) 2640.33' (Meas.) 2638.51' (Meas.) Re-Established by Single Proportion Method VC 07580000 00"E (Meas.) NMNM 130859 44"E (Meas.) right to drill this well at this location pursuan '33"E (Meas.) 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. N00'03' 20.000 20.33, NMNM 0556571 N00'01 NMNM 0006767 Signature Date -26 25 Printed Name 004608 NMNM Mens PPP #2 664' FSL 0.05 E-mail Address 600 SHI LPP #3 I PP NDO1 2640.89 LTP/BHL 1318' FWL 50 1435 264 288' 2636' FWL | ~0' FWL -1 N0C 2639.: = 270.08 AZ = 270.08* -2638.00 L5 100' (From FTP to LPP #1) 1420' rom LPP #1 to LPP #2 660 00067 N89*50'00"W N89'50'41"W S89 58'11"W - 5278.90' (Meas.) R R 2635.16' (Meas.) 2637.87' (Meas.) 30 31 WELL BORE LINE TABLE SECTION LINE TABLE $E \mid E$ DIRECTION DIRECTION LINE LENGTH LINE LENGTH AZ = 178.72 L3 628.19 L1 N00'04'03"E 2639.24 L4 AZ = 270.08* L2 N00'03'33"E 2640.02 1317.85' $AZ = 270.08^{*}$ L5 1217.85' LEGEND: = SURFACE HOLE LOCATION. = FIRST TAKE POINT.= LEASE PENETRATION POINT. = LAST TAKE POINT/BOTTOM HOLE LOCATION. = SECTION CORNERS LOCATED. = LEASE LINE. ¹⁸SURVEYOR 2000' 2000 000 • Distances referenced on plat to CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of section lines are perpendicular. Basis of Bearings is a Transverse actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Mercator Projection with a Central Meridian of W103°53'00" (NAD 83) SCALE DRAWN BY: N.D.T. 04-18-23 April 13, 2023 NAD 83 (SURFACE HOLE LOCATION) LATITUDE = 32°37'39.38" (32.627607°) LONGITUDE = -103°55'17.84" (-103.921623' NAD 27 (SURFACE HOLE LOCATION) NAD 83 (FIRST TAKE POINT) LATITUDE = 32°37'33.17" (32.625881°) LONGITUDE = -103°55'17.68" (-103.921577 NAD 83 (LPP #1) LATITUDE = 32°37'33.21" (32.625891°) Date of Surve Signature and Seal of Professional Surveyor: LONGITUDE = -103°56'02.79" (-103.934107° NAD 27 (LPP #1) LATITUDE = 32°37'32.78" (32.625772°) NAD 27 (FIRST TAKE POINT) LATITUDE = 32°37'32.74" (32.625761°) BUCHE LATITUDE = 32°37'38.95" (32.627487 LONGITUDE = -103°55'16.03" (-103.921121 LONGITUDE = -103°55'15.87" (-103.921074 LONGITUDE = -103°56'00.98" (-103.933604° STATE PLANE NAD 83 (N.M. EAST) STATE PLANE NAD 83 (N.M. EAST) STATE PLANE NAD 83 (N.M. EAST) E: 668086. 1.94' E: 668103.0 591660.93' E: 66424 STATE PLANE NAD 27 (N.M. EAST) STATE PLANE NAD 27 (N.M. EAST) STATE PLANE NAD 27 (N.M. EAST) 7.41' E: 6269 N: 591609.59' E: 6269 98.61' E: 623065.3 NAD 83 (LPP #3) LATITUDE = 32°37'33.24" (32.625900°) LONGITUDE = -103°56'49.03" (-103.946953' NAD 83 (LPP #2) LATITUDE = 32°37'33.23" (32.625898°) LONGITUDE = -103°56'33.63" (-103.942674° NAD 83 (LTP/BHL) LATITUDE = 32°37'33.25" (32.625903°) LONGITUDE = -103°57'03.27" (-103.950908° NAD 27 (LPP #3) LATITUDE = 32°37'32.81" (32.625781°) LONGITUDE = -103°56'47.22" (-103.946451° EONOT(DE) 103 97(32.82" (103750700) LATITUDE = 32°37'32.82" (32.625784°) LONGITUDE = -103°57'01.46" (-103.950406' NAD 27 (LPP #2) LATITUDE = 32°37'32.80" (32.625778°) LONGITUDE = -103°56'31.82" (-103.942171° ONAL STATE PLANE NAD 83 (N.M. EAST) STATE PLANE NAD 83 (N.M. EAST) STATE PLANE NAD 83 (N.M. EAST) N: 591653.41' E: 661607.83' STATE PLANE NAD 27 (N.M. EAST) N: 591649.65' E: 660290.26' STATE PLANE NAD 27 (N.M. EAST) N: 591646.17 E: 659072.66 STATE PLANE NAD 27 (N.M. EAST) Certificate Number:

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

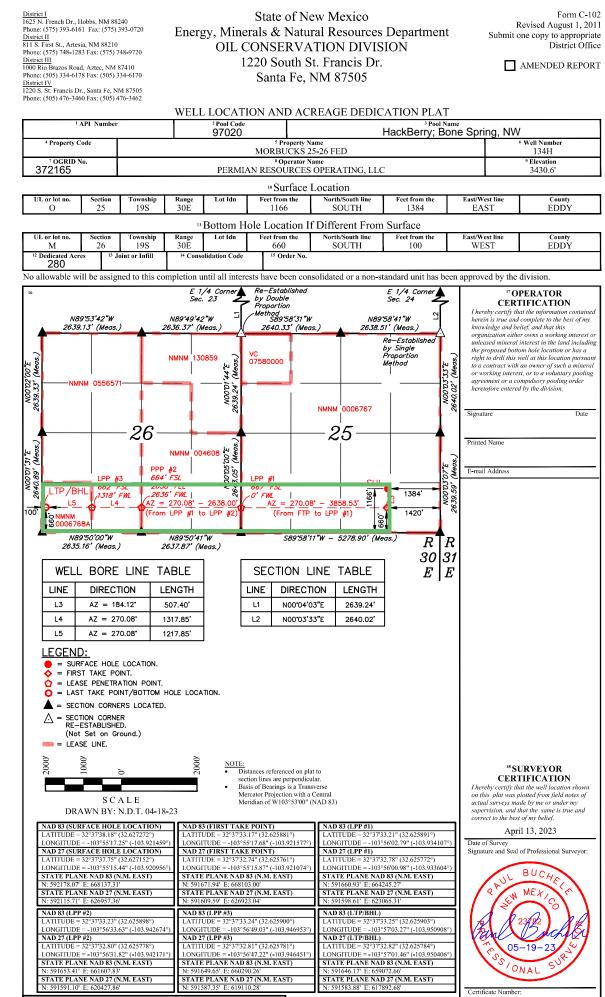
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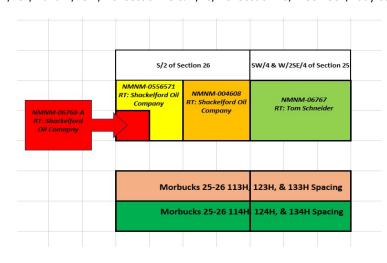
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R R 2635.16' (Meas.) 2637.87' (Meas.) 30 31 WELL BORE LINE TABLE SECTION LINE TABLE $E \mid E$ LINE DIRECTION LENGTH LINE DIRECTION LENGTH L3 AZ = 181.13 567.17 L1 N00'04'03"E 2639.24 L4 AZ = 270.08* L2 N00'03'33"E 2640.02 1317.85' $AZ = 270.08^{*}$ L5 1217.85' LEGEND: = SURFACE HOLE LOCATION. = FIRST TAKE POINT.= LEASE PENETRATION POINT. = LAST TAKE POINT/BOTTOM HOLE LOCATION. = SECTION CORNERS LOCATED. = LEASE LINE. ¹⁸SURVEYOR 2000' 2000 000 • Distances referenced on plat to CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of section lines are perpendicular. Basis of Bearings is a Transverse actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Mercator Projection with a Central Meridian of W103°53'00" (NAD 83) SCALE DRAWN BY: N.D.T. 04-18-23 April 13, 2023 NAD 83 (SURFACE HOLE LOCATION) LATITUDE = 32°37'38.78" (32.627439°) LONGITUDE = -103°55'17.55" (-103.921541° NAD 83 (FIRST TAKE POINT) LATITUDE = 32°37'33.17" (32.625881°) LONGITUDE = -103°55'17.68" (-103.921577' NAD 83 (LPP #1) LATITUDE = 32°37'33.21" (32.625891°) Date of Surve Signature and Seal of Professional Surveyor: LONGITUDE = -103°56'02.79" (-103.934107° NAD 27 (LPP #1) LATITUDE = 32°37'32.78" (32.625772°) NAD 27 (SURFACE HOLE LOCATION) LATITUDE = 32°37'38.35" (32.627320°) NAD 27 (FIRST TAKE POINT) LATITUDE = 32°37'32.74" (32.625761°) BUCHE LONGITUDE = -103°55'15.74" (-103.921039 LONGITUDE = -103°55'15.87" (-103.921074 LONGITUDE = -103°56'00.98" (-103.933604° STATE PLANE NAD 83 (N.M. EAST) STATE PLANE NAD 83 (N.M. EAST) STATE PLANE NAD 83 (N.M. EAST) 238.92' E: 668111.78 1.94' E: 668103.0 591660.93' E: 66424 STATE PLANE NAD 27 (N.M. EAST) STATE PLANE NAD 27 (N.M. EAST) STATE PLANE NAD 27 (N.M. EAST) 76.56' E: 626931.8 N: 591609.59' E: 6269 8.61' E: 623065.3 NAD 83 (LPP #3) LATITUDE = 32°37'33.24" (32.625900°) LONGITUDE = -103°56'49.03" (-103.946953' NAD 83 (LPP #2) LATITUDE = 32°37'33.23" (32.625898°) LONGITUDE = -103°56'33.63" (-103.942674° NAD 83 (L'TP/BHL) LATITUDE = 32°37'33.25" (32.625903°) LONGITUDE = -103°57'03.27" (-103.950908°) NAD 27 (LPP #3) LATITUDE = 32°37'32.81" (32.625781°) LONGITUDE = -103°56'47.22" (-103.946451° EONOT(DE) 103 97(32.82" (103750700) LATITUDE = 32°37'32.82" (32.625784°) LONGITUDE = -103°57'01.46" (-103.950406' NAD 27 (LPP #2) LATITUDE = 32°37'32.80" (32.625778°) LONGITUDE = -103°56'31.82" (-103.942171° ONAL STATE PLANE NAD 83 (N.M. EAST) STATE PLANE NAD 83 (N.M. EAST) STATE PLANE NAD 83 (N.M. EAST) N: 591653.41' E: 661607.83' STATE PLANE NAD 27 (N.M. EAST) N: 591649.65' E: 660290.26' STATE PLANE NAD 27 (N.M. EAST) N: 591646.17 E: 659072.66 STATE PLANE NAD 27 (N.M. EAST) Certificate Number:

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		D	ocuments S	ent	
Owner	Pooling?	Proposal	JOA	Com Agmt	Notes
Colgate Production, LLC	N/A	N/A	N/A	N/A	
Tom Schneider	Y	Y	Y	Y	RT Owner
Occidental Permian Limited					
Partnership	Y	Y	Y	Y	
Estate of F. Howard Walsh, Jr.	Y	Y	Y	Y	
Julian Ard and wife, Mary T. Ard	Y	Y	Y	Y	
Francis Hill Hudson, Trustee of Lindy's					
Living Trust under Trust Agreement					
dated July 8, 1994	Ν	Y	Y	Y	Executed all docs
Diane L. Henley, Successor Trustee of Delmar Hudson Lewis Living Trust Frost Bank, Trustee of the Josephine T. Hudson Testamentary Trust FBO J.	Y	Y	Y	Y	
Terrell Ard	Y	Y	Y	Y	
Javelina Partners	N	Y	Y	Y	Executed all docs
Zorro Partners, LTD.	N	Y	Y	Y	Executed all docs
EOG Resources, Inc.	Y	Y	Y	Y	
Chevron U.S.A. Inc.	Y	Y	Y	Y	
Tandem Oil Company	Y	Y	Y	Y	
Shackelford Oil Company	Y	Y	Y	Y	
Mary T. Ard	Y	Y	Y	Y	
PBEX, LLC	Y	Y	Y	Y	

Leasehold Ownership		
Owner	Section 25: SW/4	& W/2SE/4
Colgate Production, LLC	51.6321	98%
Occidental Permian Limited Partnership	8.0984	
Julian Ard and wife, Mary T. Ard	6.2086	
F. Howard Walsh, Jr.	2.07949	
PBEX, LLC	2.6105	
Javelina Partners	2.4451	
Zorro Partners, Ltd.	1.3166	24%
Frost Bank, Trustee of Josephine T. Hudson Testamentary Trust for the	0.22011	70/
benefit of J. Terrell Ard Francis Hill Hudson, Trustee of Lindy's Living Trust under Trust Agreement	0.3291	5/%
dated July 8, 1994	1.9749	2594
uateu July 8, 1994	1.5/45.	3376
Mary T. Ard		
	0.9874	57%
Diane L. Henley, Successor Trustee of Delmar Hudson Lewis Living Trust	1.97493	35%
EOG Resources, Inc.		
	5.8062	
Tandem Oil Company	0.24430	
Chevron U.S.A. Inc.	14.2917	
TOTAL	100.000	000%
Leasehold Ownership		
Leasenoid Ownership		
Owner	Section 2	6: S/2
Colgate Production, LLC		
	87.5000	00%
Shackelford Oil Company	12.5000	
TOTAL	100.000	000%
Unit Capitulation		
		WI
Owner		
Owner		72 1200050
Colgate Production, LLC		
		72.128085% RT
Colgate Production, LLC	ip	RT
Colgate Production, LLC Tom Schneider Occidental Permian Limited Partnershi	ip.	RT 3.470766%
Colgate Production, LLC Tom Schneider Occidental Permian Limited Partnershi Julian Ard and wife, Mary T. Ard	ip	RT 3.470766% 2.660853%
Colgate Production, LLC Tom Schneider Occidental Permian Limited Partnershi Julian Ard and wife, Mary T. Ard F. Howard Walsh, Jr.	ip	RT 3.470766% 2.660853%
Colgate Production, LLC Tom Schneider Occidental Permian Limited Partnershi Julian Ard and wife, Mary T. Ard	ip	RT 3.470766% 2.660853% 0.891210%
Colgate Production, LLC Tom Schneider Occidental Permian Limited Partnershi Julian Ard and wife, Mary T. Ard F. Howard Walsh, Jr.	ip	RT 3.470766% 2.660853% 0.891210% 1.118811%
Colgate Production, LLC Tom Schneider Occidental Permian Limited Partnershi Julian Ard and wife, Mary T. Ard F. Howard Walsh, Jr. PBEX, LLC Javelina Partners	ip	RT 3.4707669 2.6608539 0.8912109 1.1188119 1.0479269
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Colgate Production, LLC Tom Schneider Occidental Permian Limited Partnershi Julian Ard and wife, Mary T. Ard F. Howard Walsh, Jr. PBEX, LLC Javelina Partners Zorro Partners, Ltd. Frost Bank, Trustee of Josephine T. Hudson Testamen benefit of J. Terrell Ard Francis Hill Hudson, Trustee of Lindy's Living Trust under dated July 8, 1994	itary Trust for the	RT 3.4707669 2.6608539 0.8912109 1.1188119 1.0479269 0.5642679 0.5642679 0.1410679 0.8464019
Colgate Production, LLC Tom Schneider Occidental Permian Limited Partnershi Julian Ard and wife, Mary T. Ard F. Howard Walsh, Jr. PBEX, LLC Javelina Partners Zorro Partners, Ltd. Frost Bank, Trustee of Josephine T. Hudson Testamen benefit of J. Terrell Ard Francis Hill Hudson, Trustee of Lindy's Living Trust under	itary Trust for the	RT 3.4707669 2.6608539 0.8912109 1.1188119 1.0479269 0.5642679 0.5642679 0.1410679 0.8464019
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Colgate Production, LLC Tom Schneider Occidental Permian Limited Partnershi Julian Ard and wife, Mary T. Ard F. Howard Walsh, Jr. PBEX, LLC Javelina Partners Zorro Partners, Ltd. Frost Bank, Trustee of Josephine T. Hudson Testamen benefit of J. Terrell Ard Francis Hill Hudson, Trustee of Lindy's Living Trust unde dated July 8, 1994 Mary T. Ard Diane L. Henley, Successor Trustee of Delmar Hudson	atary Trust for the er Trust Agreement	RT 3.4707669 2.6608539 0.8912109 1.1188119 1.0479269 0.5642679 0.5642679 0.1410679 0.8464019 0.4232009 0.8464019
Colgate Production, LLC Tom Schneider Occidental Permian Limited Partnershi Julian Ard and wife, Mary T. Ard F. Howard Walsh, Jr. PBEX, LLC Javelina Partners Zorro Partners, Ltd. Frost Bank, Trustee of Josephine T. Hudson Testamen benefit of J. Terrell Ard Francis Hill Hudson, Trustee of Lindy's Living Trust unde dated July 8, 1994 Mary T. Ard Diane L. Henley, Successor Trustee of Delmar Hudson EOG Resources, Inc.	atary Trust for the er Trust Agreement	RT 3.4707669 2.6608539 0.8912109 1.1188119 1.0479269 0.5642679 0.5642679 0.1410679 0.8464019 0.4232009 0.8464019 2.4884049
Colgate Production, LLC Tom Schneider Occidental Permian Limited Partnershi Julian Ard and wife, Mary T. Ard F. Howard Walsh, Jr. PBEX, LLC Javelina Partners Zorro Partners, Ltd. Frost Bank, Trustee of Josephine T. Hudson Testamen benefit of J. Terrell Ard Francis Hill Hudson, Trustee of Lindy's Living Trust unde dated July 8, 1994 Mary T. Ard Diane L. Henley, Successor Trustee of Delmar Hudson	atary Trust for the er Trust Agreement	RT 3.4707669 2.6608539 0.8912109 1.1188119 1.0479269 0.5642679 0.5642679 0.1410679 0.8464019 0.4232009 0.8464019 2.4884049
Colgate Production, LLC Tom Schneider Occidental Permian Limited Partnershi Julian Ard and wife, Mary T. Ard F. Howard Walsh, Jr. PBEX, LLC Javelina Partners Zorro Partners, Ltd. Frost Bank, Trustee of Josephine T. Hudson Testamen benefit of J. Terrell Ard Francis Hill Hudson, Trustee of Lindy's Living Trust unde dated July 8, 1994 Mary T. Ard Diane L. Henley, Successor Trustee of Delmar Hudson EOG Resources, Inc.	atary Trust for the er Trust Agreement	RT 3.4707669 2.6608539 0.8912109 1.1188119 1.0479269 0.5642679 0.5642679 0.1410679 0.8464019 0.4232009 0.8464019 2.4884049 0.1047309
Colgate Production, LLC Tom Schneider Occidental Permian Limited Partnershi Julian Ard and wife, Mary T. Ard F. Howard Walsh, Jr. PBEX, LLC Javelina Partners Zorro Partners, Ltd. Frost Bank, Trustee of Josephine T. Hudson Testamen benefit of J. Terrell Ard Francis Hill Hudson, Trustee of Lindy's Living Trust unde dated July 8, 1994 Mary T. Ard Diane L. Henley, Successor Trustee of Delmar Hudson EOG Resources, Inc. Tandem Oil Company	atary Trust for the er Trust Agreement	72.128085% RT 3.470766% 2.660853% 0.891210% 1.118811% 1.047926% 0.564267% 0.141067% 0.846401% 0.423200% 0.846401% 2.488404% 0.104730% 6.125023% 7.142857%

Colgate Production LLC Case No. 24126 Exhibit A-3

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300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701 **OFFICE** 432.695.4222 **FAX** 432.695.4063

November 1, 2023

Via Certified Mail

PBEX, LLC 223 West Wall Street, Suite 900 Midland, Texas 79701

RE: Well Proposals – Morbucks 25-26 Fed Com Proposals S2 of Section 26, SW/4 and W2SE of Section 25 T19S-R30E Eddy County, New Mexico

To Whom It May Concern:

Permian Resources Operating, LLC ("Permian"), as operator for Colgate Production, LLC, hereby proposes the drilling and completion of the following six (6) wells, the Morbucks 25-26 Federal Com wells at the following approximate locations within Township 19 South, Range 30 East, Eddy Co., NM:

FIRST BONE SPRING FORMATION:

- Morbucks 25-26 Federal Com 113H SHL: 1,319' FSL & 1,446' FEL (or at a legal location in Unit O) of Section 25 FTP: 1,420' FEL & 1,980' FSL of Section 25 LTP: 100' FWL & 1,980' FSL of Section 26 BHL: 10' FWL & 1,980' FSL of Section 26 Standard Spacing Unit: NWSE, N2SW of Section 25 N2S2 of Section 26, T19S-R30E TVD: 7,958' TMD: 16,543'
- Morbucks 25-26 Federal Com 114H
 SHL: 1,288' FSL & 1,433' FEL (or at a legal location in Unit O) of Section 25
 FTP: 1,420' FEL & 660' FSL of Section 25
 LTP: 100' FWL & 660' FSL of Section 26
 BHL: 10' FWL & 660' FSL of Section 26
 Standard Spacing Unit: SWSE, S2SW of Section 25 S2S2 of Section 26, T19S-R30E
 TVD: 7,958'
 TMD: 16,543'

Continued Next Page.

Colgate Production, LLC Case No. 24126 Exhibit A-4



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

SECOND BONE SPRING FORMATION:

3. Morbucks 25-26 Federal Com 123H

SHL: 1,258' FSL & 1,421' FEL (or at a legal location in Unit O) of Section 25
FTP: 1,420' FEL & 1,980' FSL of Section 25
LTP: 100' FWL & 1,980' FSL of Section 26
BHL: 10' FWL & 1,980' FSL of Section 26
Standard Spacing Unit: NWSE, N2SW of Section 25 N2S2 of Section 26, T19S-R30E
TVD: 8,904'
TMD: 17,489'

4. Morbucks 25-26 Federal Com 124H

SHL: 1,227' FSL & 1,408' FEL (or at a legal location in Unit O) of Section 25
FTP: 1,420' FEL & 660' FSL of Section 25
LTP: 100' FWL & 660' FSL of Section 26
BHL: 10' FWL & 660' FSL of Section 26
Standard Spacing Unit: SWSE, S2SW of Section 25 S2S2 of Section 26, T19S-R30E
TVD: 8,906'
TMD: 17,491'

THIRD BONE SPRING FORMATION:

5. Morbucks 25-26 Federal Com 133H SHL: 1,197' FSL & 1,396' FEL (or at a legal location in Unit O) of Section 25 FTP: 1,420' FEL & 1,980' FSL of Section 25 LTP: 100' FWL & 1,980' FSL of Section 26 BHL: 10' FWL & 1,980' FSL of Section 26 Standard Spacing Unit: NWSE, N2SW of Section 25 N2S2 of Section 26, T19S-R30E TVD: 9,830' TMD: 18,415'

6. Morbucks 25-26 Federal Com 134H

SHL: 1,166' FSL & 1,383' FEL (or at a legal location in Unit O) of Section 25
FTP: 1,420' FEL & 660' FSL of Section 25
LTP: 100' FWL & 660' FSL of Section 26
BHL: 10' FWL & 660' FSL of Section 26
Standard Spacing Unit: SWSE, S2SW of Section 25 S2S2 of Section 26, T19S-R30E
TVD: 9,831'
TMD: 18,416'



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701 **OFFICE** 432.695.4222 **FAX** 432.695.4063

The locations, TVDs, and targets are approximate and subject to change dependent on surface or subsurface issues encountered. Permian 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
- \$10,000/\$1,000 drilling and producing rates
- Permian Resources Operating, LLC named as Operator

Please indicate your election to participate in the drilling and completion of the proposed wells on the enclosed ballot. Please sign and return one copy of this letter, signed copies of the proposed AFEs, a signed copy of the enclosed insurance declaration, 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, Permian will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into spacing units for the proposed wells. If you do not wish to participate, Permian would be interested in acquiring your interest in the subject lands which is subject to further mutually agreeable negotiation.

Please further note that it is the intention of Colgate Production, LLC to relinquish all interest in this unit unto its parent company, Permian Resources Operating, LLC in the near future.

Thank you for your time and consideration, if you have any questions at all, please don't hesitate to contact me at 432.400.0188 or by email at mason.maxwell@permianres.com

Respectfully,

Many Mound

Mason Maxwell Landman

Enclosures

ELECTIONS ON PAGE TO FOLLOW.



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

Morbucks 25-26 Fed Com Elections:

Well Elections:				
(Please indicate your responses in the spaces below)				
Well(s)	Elect to Participate	Elect to <u>NOT</u> Participate		
Morbucks 25-26 Fed Com 113H				
Morbucks 25-26 Fed Com 114H				
Morbucks 25-26 Fed Com 123H				
Morbucks 25-26 Fed Com 124H				
Morbucks 25-26 Fed Com 133H				
Morbucks 25-26 Fed Com 134H				

Company Name (If Applicable):

By: _____

Printed Name:

Date: _____



300 N. MARIENFELD STREET, SUITE 1000 MIDLAND, TX 79701

OFFICE 432.695.4222 **FAX** 432.695.4063

Participate / Rejection Declaration

Please return this page to Permian Resources Operating, LLC ("Permian") 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 Permian, then, to the extent that Permian has an obligation to secure any such insurance on your behalf under any applicable agreements or otherwise, Permian will be relieved of such obligation, and Permian 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 Permian Resources Operating, LLC and understand that I will be charged for such participation.
- □ I hereby elect to reject the insurance coverage arranged by Permian Resources Operating, LLC.

Company Name (If Applicable):

By: _____

Printed Name:

Date:_____

Permian Resources Operating, LLC

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

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	9.1.23	AFE NO.:	1
WELL NAME:	Morbucks 25-26 Federal Com 114H	FIELD: 1	Hackberry; Bone Spring, NW
LOCATION:	Section 25, T19S-R30E	MD/TVD:	16,352' / 7,767'
COUNTY/STATE:	Eddy Co., NM	LATERAL LENGTH:	8,750'
Permian WI:		DRILLING DAYS:	19.0
GEOLOGIC TARGET:	FBSG	COMPLETION DAYS:	19

REMARKS:

Drill a horizontal FBSG well and complete with 44 stages. AFE includes drilling, completions, flowback and Initial AL install cost

	DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE COSTS	COSTS	COSTS	COSTS	COSTS
1 Land / Legal / Regulatory \$	50,575	-	- 5	50,575
2 Location, Surveys & Damages	246,665	15,470	11,900	274,033
4 Freight / Transportation	38,472	35,997	-	74,470
5 Rental - Surface Equipment	100,860	182,902	7,283	291,043
6 Rental - Downhole Equipment	163,098	42,379	-	205,47
7 Rental - Living Quarters	39,453	51,705	-	91,158
10 Directional Drilling, Surveys	333,565	-	-	333,565
11 Drilling	648,971	-	-	648,97
12 Drill Bits	98,389	-	-	98,38
13 Fuel & Power	161,774	640,511	-	802,28
14 Cementing & Float Equip	223,948	-		223,94
15 Completion Unit, Swab, CTU	-		14,280	14,28
l6 Perforating, Wireline, Slickline 17 High Pressure Pump Truck		358,813 105,552	21,420	
17 Figh Fressure Fully Fruck 18 Completion Unit, Swab, CTU		109,747	-	105,55
20 Mud Circulation System	- 89,596	109,747	-	89,59
21 Mud Logging	15,892			15,89
22 Logging / Formation Evaluation	6,176	7,140		13,31
23 Mud & Chemicals	296,615	360,096		656,71
24 Water	50,456	584,017		634,47
25 Stimulation	-	700,381		700,38
26 Stimulation Flowback & Disp		121,528		121,52
28 Mud / Wastewater Disposal	186,812	52,360		239,17
30 Rig Supervision / Engineering	103,125	121,469	5,712	230,30
32 Drlg & Completion Overhead	8,925	-		8,92
35 Labor	140,141	59,500	23,800	223,44
4 Proppant	-	1,057,791	-	1,057,79
5 Insurance	10,672	-		10,62
97 Contingency	-	21,011	8,439	29,45
99 Plugging & Abandonment				
TOTAL INTANGIBLES >	3,014,178	4,628,369	92,834	7,735,3
	DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE COSTS	COSTS	COSTS	COSTS	COSTS
50 Surface Casing \$	40,939	-	- 9	40,93
51 Intermediate Casing	77,828			77,82
52 Drilling Liner	138,519	-	-	138,51
3 Production Casing	530,743	-	-	530,74
54 Production Liner	-			-
5 Tubing	-		65,450	65,45
56 Wellhead	81,991	-	60,928	142,91
7 Packers, Liner Hangers	12,614	-	8,925	21,53
				19,63
i8 Tanks	-	-	19,635	17,00
	-		- 19,635	-
59 Production Vessels				-
59 Production Vessels 70 Flow Lines			-	-
69 Production Vessels 70 Flow Lines 71 Rod string			-	14,87
99 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment			14,875	
59 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor			14,875 47,600	
59 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs				
59 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps			14,875 47,600 50,575	
99 Production Vessels 10 Flow Lines 11 Rod string 22 Artificial Lift Equipment 33 Compressor 4 Installation Costs 55 Surface Pumps 16 Downhole Pumps			14,875 47,600 50,575	
99 Production Vessels 10 Flow Lines 11 Rod string 2 Artificial Lift Equipment 13 Compressor 14 Installation Costs 15 Surface Pumps 16 Downhole Pumps 17 Measurement & Meter Installation 18 Gas Conditioning / Dehydration			- 	
99 Production Vessels 10 Flow Lines 11 Rod string 2 Artificial Lift Equipment 13 Compressor 14 Installation Costs 15 Surface Pumps 16 Downhole Pumps 17 Measurement & Meter Installation 18 Gas Conditioning / Dehydration			- 	
9 Production Vessels 0 Flow Lines 1 Rod string 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Installation 8 Gas Conditioning / Dehydration 9 Interconnecting Facility Piping			- 	
99 Production Vessels 10 Flow Lines 11 Rod string 22 Artificial Lift Equipment 33 Compressor 44 Installation Costs 55 Surface Pumps 56 Downhole Pumps 77 Measurement & Meter Installation 88 Gas Conditioning / Dehydration 99 Interconnecting Facility Piping 10 Gathering / Bulk Lines			- 	
59 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 10 Gathering / Bulk Lines 81 Valves, Dumps, Controllers			- 	
59 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment			- 	
59 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 75 Downhole Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment 83 Flare Stack			- 	
59 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 75 Ownhole Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment 83 Flare Stack 84 Electrical / Grounding			- 14,875 - 47,600 50,575 - 5,950 - - 24,990 - - - - - - - - - - - - -	
88 Tanks 59 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment 83 Flare Stack 84 Electrical / Grounding 85 Communications / SCADA 66 Instrumentation / Safety			- 14,875 - 47,600 50,575 - 5,950 - - 24,990 - - - - - - - - - - - - -	
59 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 75 Ownhole Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment 83 Flare Stack 84 Electrical / Grounding 85 Communications / SCADA			- - - - - - - - - - - - - -	

PREPARED BY Permian Resources Operating, LLC:

	1 0		
Drilling Engineer: Completions Engineer:	PS ML		
Production Engineer:	TD		
Permian Resources Operating, LI	LC APPROVAL:		
Co-CEO		Co-CEO	VP - Operations
VP - Land & Legal	WH	JW VP - Geosciences	CRM
	BG	SO	
NON OPERATING PARTNER A	.PPROVAL:		
Company Name:		Working Interest (%):	Tax ID:
Signed by:		Date:	
Title:		Approval: Yes	s No (mark one)

approv AFE may be delayed up to a year after the well has been completed. In executing this AFE, the Participant agrees to pay its egulatory order or other agreement covering this well. Participants shall be covered by and billed proportionately for Operator's well al cost of the project. under the terms of th

Permian Resources Operating, LLC

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

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	9.1.23	AFE NO.:	1
WELL NAME:	Morbucks 25-26 Federal Com 124H	FIELD: 1	Hackberry; Bone Spring, NW
LOCATION:	Section 25, T19S-R30E	MD/TVD:	17,297' / 8,712'
COUNTY/STATE:	Eddy Co., NM	LATERAL LENGTH:	8,750'
Permian WI:		DRILLING DAYS:	19.0
GEOLOGIC TARGET:	SBSG	COMPLETION DAYS:	19
	Drill a horizontal SBSG well and complete with 4	4 stages. AFE includes drilling, completions, f	flowback and Initial AL
REMARKS:	install cost		

	DRILLING COSTS	COMPLETION	PRODUCTION	TOTAL COSTS
INTANGIBLE COSTS		COSTS	COSTS	
1 Land / Legal / Regulatory \$	51,607	-	- 9	51,607
2 Location, Surveys & Damages	251,699	15,786	12,143	279,628
4 Freight / Transportation	39,258	36,732	-	75,990
5 Rental - Surface Equipment	102,919	186,635	7,431	296,985
6 Rental - Downhole Equipment	166,427	43,244	-	209,670
7 Rental - Living Quarters	40,258	52,760	-	93,018
10 Directional Drilling, Surveys	340,372	-	-	340,372
11 Drilling	662,215	-	-	662,215
12 Drill Bits	100,397	-	-	100,397
13 Fuel & Power	165,075	653,583	-	818,658
14 Cementing & Float Equip	228,518	-		228,518
15 Completion Unit, Swab, CTU	-	-	14,571	14,571
16 Perforating, Wireline, Slickline	-	366,135	21,857	387,992
17 High Pressure Pump Truck	-	107,707	-	107,707
18 Completion Unit, Swab, CTU	-	111,987	-	111,987
20 Mud Circulation System	91,425	-	-	91,425
21 Mud Logging	16,216	-	-	16,216
22 Logging / Formation Evaluation	6,302	7,286	-	13,588
23 Mud & Chemicals	302,668	367,445	-	670,113
24 Water	51,485	595,936	-	647,421
25 Stimulation	-	714,674	-	714,674
26 Stimulation Flowback & Disp	-	124,008	-	124,008
28 Mud / Wastewater Disposal	190,625	53,428	-	244,053
30 Rig Supervision / Engineering	105,229	123,948	5,829	235,005
32 Drlg & Completion Overhead	9,107	-	-	9,107
35 Labor	143,001	60,714	24,286	228,000
54 Proppant	-	1,079,378		1,079,378
95 Insurance	10,890			10,890
97 Contingency	-	21,440	8,612	30,052
99 Plugging & Abandonment	-			-
TOTAL INTANGIBLES >	3,075,692	4,722,826	94,728	7,893,246
	DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE COSTS	COSTS	COSTS	COSTS	COSTS
60 Surface Casing \$	41,774	-	- 9	5 41,774
61 Intermediate Casing	79,416	-	-	79,416
62 Drilling Liner	141,346	-	-	141,346
63 Production Casing	541,575	-	-	541,575
64 Production Liner	-	-	-	-
65 Tubing	-	-	66,785	66,785
66 Wellhead	83,664	-	62,171	145,835
67 Packers, Liner Hangers	12,871	-	9,107	21,978
68 Tanks			20,036	20,036
		-	20,050	20,000
69 Production Vessels	-		-	-
69 Production Vessels 70 Flow Lines	-		15,178	-
			-	-
70 Flow Lines 71 Rod string	- - - -		-	
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment			15,178 	- 15,178 - 48,571
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor	-		15,178	- 15,178
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs	- - - -		15,178 48,571 51,607	- 15,178 - - 48,571 51,607
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps	- - - -		15,178 	- 15,178 - - 48,571 51,607
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps	- - - -		15,178 	
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation	- - - -		15,178 48,571 51,607	
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration	- - - -		15,178 	
0 Flow Lines 1 Rod string 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Installation 8 Gas Conditioning / Dehydration 9 Interconnecting Facility Piping	- - - -		15,178 	
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines	- - - -		15,178 	
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers	- - - -		15,178 	
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment	- - - -		15,178 	
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment 83 Flare Stack	- - - -			
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment 83 Flare Stack 84 Electrical / Grounding	- - - -		15,178 	
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment 83 Flare Stack 84 Electrical / Grounding 85 Communications / SCADA	- - - -			
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment 83 Flare Stack 84 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safety	- - - - - - - - - - - - - - - - - - -			
70 Flow Lines	- - - -			- 15,178 - - 48,571 - 51,607

PREPARED BY Permian Resources Operating, LLC:

I KEI MKED DI Teriman Kesoure	is operating, LEC.		
Drilling Engineer: Completions Engineer: Production Engineer:	PS ML TD		
Permian Resources Operating, LL	C APPROVAL:		
Co-CEO	1477.1	Co-CEO	VP - Operations
VP - Land & Legal	WH BG	JW VP - Geosciences SO	CRM
NON OPERATING PARTNER A	PPROVAL:		
Company Name:	_	Working Interest (%):	Tax ID:
Signed by:		Date:	
Title:		Approval:	Yes No (mark one)

ell has been completed. In executing this AFE, the Participant agrees to pay its this well. Participants shall be covered by and billed proportionately for Operator's well he total cost of the pr costs under the term

Permian Resources Operating, LLC

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

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	9.1.23	AFE NO.:	1
WELL NAME:	Morbucks 25-26 Federal Com 134H	FIELD:	Hackberry; Bone Spring, NW
LOCATION:	Section 25, T19S-R30E	MD/TVD:	18,222' / 9,637'
COUNTY/STATE:	Eddy Co., NM	LATERAL LENGTH:	8,750'
Permian WI:		DRILLING DAYS:	19.0
GEOLOGIC TARGET:	TBSG	COMPLETION DAYS:	19
	Drill a horizontal TBSG well and complete with	44 stages. AFE includes drilling, completions, f	flowback and Initial AL
REMARKS:	install cost		

REMARKS: install cost				
	DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE COSTS	COSTS	COSTS	COSTS	COSTS
T Land / Legal / Regulatory \$	52,660	-	- 9	52,660
2 Location, Surveys & Damages	256,836	16,108	12,391	285,334
4 Freight / Transportation	40,059	37,482		77,540
5 Rental - Surface Equipment	105,019	190,444	7,583	303,046
6 Rental - Downhole Equipment	169,823	44,126	-	213,949
7 Rental - Living Quarters	41,079	53,837		94,917
10 Directional Drilling, Surveys	347,318	-		347,318
11 Drilling	675,730			675,730
12 Drill Bits	102,445			102,445
13 Fuel & Power	168,444	666,922		835,366
14 Cementing & Float Equip	233,182	-		233,182
15 Completion Unit, Swab, CTU			14,869	14,869
16 Perforating, Wireline, Slickline	-	373,608	22,303	395,911
17 High Pressure Pump Truck		109,905	-	109,905
18 Completion Unit, Swab, CTU		114,272		114,272
20 Mud Circulation System	93,290			93,290
21 Mud Logging	16,547			16,547
22 Logging / Formation Evaluation	6,431	7,434		13,865
23 Mud & Chemicals	308,845	374,944		683,789
23 Mud & Chemicals	52,536	608,098	<u> </u>	660,634
25 Stimulation		729,259		729,259
	-	126,539		
26 Stimulation Flowback & Disp	104 515	,		126,539
28 Mud / Wastewater Disposal	194,515	54,519	-	249,034
30 Rig Supervision / Engineering	107,377	126,477	5,947	239,801
32 Drlg & Completion Overhead	9,293	61,953	-	9,293
35 Labor	145,919		24,781	232,653
54 Proppant	-	1,101,407	-	1,101,407
95 Insurance	11,112	-	-	11,112
97 Contingency	-	21,878	8,787	30,665
99 Plugging & Abandonment	-	-	-	-
TOTAL INTANGIBLES >	3,138,461	4,819,210	96,662	8,054,332
	DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE COSTS	COSTS	COSTS	COSTS	COSTS
60 Surface Casing \$	42,627	-	- 4	42,627
61 Intermediate Casing	81,037	-	-	81,037
62 Drilling Liner	144,231	-	-	144,231
63 Production Casing	552,627	-	-	552,627
64 Production Liner	-	-		
65 Tubing			=	-
66 Wellhead		-	68,148	- 68,148
	85,371	<u> </u>	68,148 63,440	- 68,148 148,811
67 Packers, Liner Hangers	85,371 13,134			,
67 Packers, Liner Hangers 68 Tanks			63,440	148,811
•			63,440 9,293	148,811 22,427
68 Tanks		- - - - - - - - -	63,440 9,293	148,811 22,427
68 Tanks 69 Production Vessels		- - - - - - - - - - - - - -	63,440 9,293 20,444	148,811 22,427 20,444
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string	13,134 - - -	- - - - - - - - - - - - - - - - - - -	63,440 9,293 20,444	148,811 22,427 20,444
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment	13,134 - - -		63,440 9,293 20,444 	145,811 22,427 20,444 - 15,488
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string	13,134 - - -		63,440 9,293 20,444 	148,811 22,427 20,444 - 15,488 - 49,562
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs	13,134 - - -		63,440 9,293 20,444 - - - - - - - - - - - - - - - - - -	148,811 22,427 20,444 15,488
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps	13,134 - - - - - - - - - -		63,440 9,293 20,444 	148,811 22,427 20,444 - 15,488 - 49,562
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps	13,134 - - - - - - - - - -		63,440 9,293 20,444 	148,811 22,427 20,444 - 15,488 - 49,562 52,660 - - 6,195
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation	13,134 - - - - - - - - - -		63,440 9,293 20,444 - - - - - - - - - - - - - - - - - -	148,811 22,427 20,444 15,488
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration	13,134 - - - - - - - - - -		63,440 9,293 20,444 	148,811 22,42/ 20,444 15,488 49,562 52,660 6,195
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping	13,134 - - - - - - - - - -		63,440 9,293 20,444 	148,811 22,427 20,444 - 15,488 - 49,562 52,660 - - 6,195
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 75 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines	13,134 - - - - - - - - - -		63,440 9,293 20,444 	148,811 22,427 20,444 - 15,488 - 49,562 52,660 - - 6,195
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers	13,134 - - - - - - - - - -		63,440 9,293 20,444 	148,811 22,42/ 20,444 15,488 49,562 52,660 6,195
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment	13,134 - - - - - - - - - -		63,440 9,293 20,444 	148,811 22,42/ 20,444 15,488 49,562 52,660 6,195
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment 83 Flare Stack	13,134 - - - - - - - - - -		63,440 9,293 20,444 - - - - - - - - - - - - - - - - - -	148,811 22,427 20,444 15,488 - 49,562 52,660 - - - 26,020 - - - - - -
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment 83 Flare Stack 84 Electrical / Grounding	13,134 - - - - - - - - - -		63,440 9,293 20,444 	148,811 22,42/ 20,444 - 15,488 - 49,562 52,660 - 6,195
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment 83 Flare Stack 84 Electrical / Grounding 85 Communications / SCADA	13,134 - - - - - - - - - -		63,440 9,293 20,444 - - - - - - - - - - - - - - - - - -	148,811 22,427 20,444 - - - - - - - - - - - - - - - - - -
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment 83 Flare Stack 84 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safety	13,134 - - - - - - - - - - - - - - - - - - -		63,440 9,293 20,444 - - - - - - - - - - - - - - - - - -	148,811 22,427 20,444 - - 15,488 - - 49,562 52,60 - - - - - - - - - - - - - - - - - - -
68 Tanks 69 Production Vessels 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 75 Downhole Pumps 76 Downhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning/ Dehydration 79 Interconnecting Facility Piping 80 Gathering/ Bulk Lines 81 Valves, Dumps, Controllers 82 Tank / Facility Containment 83 Flare Stack 84 Electrical / Grounding 85 Communications / SCADA	13,134 - - - - - - - - - -		63,440 9,293 20,444 - - - - - - - - - - - - - - - - - -	148,811 22,427 20,444 - - - - - - - - - - - - - - - - - -

PREPARED BY Permian Resources Operating, LLC:

PS ML TD		
C APPROVAL:		
	Co-CEO	VP - Operations
WH BG	JW VP - Geosciences SO	CRM
PPROVAL:		
	Working Interest (%):	Tax ID:
	Date:	
	Approval: Y	es No (mark one)
	PS ML TD .C APPROVAL:	PS ML TD C APPROVAL:

AFE may be delayed up to a year after the well has been completed. In executing this AFE, the Participant agrees to pay its egulatory order or other agreement covering this well. Participants shall be covered by and billed proportionately for Operator's well total cost of the project. sts under the terms of th



Morbucks – Chronology of Communication

- November 1, 2023 Well proposals sent to all parties.
- November 6, 2023 Correspondence with Oxy
- November 20, 2023 Correspondence with Lindy's Living Trust regarding interests and potential interest deal.
- November 21, 2023 Correspondence with Oxy regarding interest and development questions.
- December 6, 2023 JOA sent to Javelina and Zorro, signatures pages received.
- December 6, 2023 JOA sent to PBEX
- December 6, 2023 JOA sent to Oxy
- December 7, 2023 JOA sent to EOG Resources.
- December 18, 2023 Email correspondence with Ellipsis, interest acquired from Estate of F. Howard Walsh.
- January 8, 2024 JOA sent to Ellipsis
- January 18, 2024 Email correspondence with PBEX regarding JOA's and interest.
- January 18, 2024 Email correspondence with Oxy regarding JOA.
- February 1, 2024 Email correspondence with Chevron regarding timing of development.

Colgate Production.'NNE'' Ecug'P q046348 Gzj kdk/C/7

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

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

CASE NO. 24126 & 24127

SELF-AFFIRMED STATEMENT OF CHRISTOPHER CANTIN

I am a geologist with Permian Resources Operating, LLC ("Permian Resources").
 I am over 18 years of age, 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 geology were accepted and made a matter of record.

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

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

4. Exhibit B-2 is a cross section location map for the proposed horizontal spacing units ("Units") within the Bone Spring formation. The approximate wellbore paths for the proposed Morbucks 25-26 Federal Com 114H, Morbucks 25-26 Federal Com 124H, Morbucks 25-26 Federal Com 134H, Morbucks 25-26 Federal Com 113H, Morbucks 25-26 Federal Com 134H, Morbucks 25-26 Federal Com 113H, Morbucks 25-26 Federal Com 123H, and Morbucks 25-26 Federal Com 133H wells ("Wells") are represented by dashed lines. Existing producing wells in the targeted interval are represented by solid lines. This map identifies the cross-section running from A-A' with the cross-section wells name and a black line in proximity to the proposed Wells. The pooling units area is defined by blue boxes and are labeled with their respective case numbers.

Colgate Production, LLC Case No. 24126 Exhibit B Received by OCD: 6/6/2024 3:14:33 PM

5. **Exhibit B-3** is a Subsea Structure map on the First Bone Spring formation in TVD subsea with a contour interval of 50 ft. The map identifies the approximate wellbore paths for the proposed Wells with a green dashed line. It also identifies the location of the cross-section running from A-A' in proximity to the proposed Wells. The data points are indicated by red stars. 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 horizontal wells.

6. **Exhibit B-4** is a Subsea Structure map on the Base of the Second Bone Spring formation in TVD subsea with a contour interval of 50 ft. The map identifies the approximate wellbore paths for the proposed Wells with a orange dashed line. It also identifies the location of the cross-section running from A-A' in proximity to the proposed Wells. The data points are indicated by red stars. 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 horizontal wells.

7. **Exhibit B-5** is a Subsea Structure map on the Third Bone Spring formation in TVD subsea with a contour interval of 50 ft. The map identifies the approximate wellbore paths for the proposed Wells with a red dashed line. It also identifies the location of the cross-section running from A-A' in proximity to the proposed Wells. The data points are indicated by red stars. 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 horizontal wells.

8. **Exhibit B-6** 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 zones for the Wells are labeled on the exhibit. The approximate well-paths for the proposed Wells are indicated by dashed lines to be drilled from west to east across the units. This cross-section demonstrates the target intervals are continuous across the Unit.

9. **Exhibit B-7** is a gun barrel diagram that shows the proposed Wells in the Bone Spring formation. Pooling units area defined by blue boxes and are labeled with their respective case numbers.

10. In my opinion, a laydown orientation for the Wells 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.

11. 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 Wells.

12. 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.

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

14. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm my testimony 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.

Christopher Cantin

04-15-2024

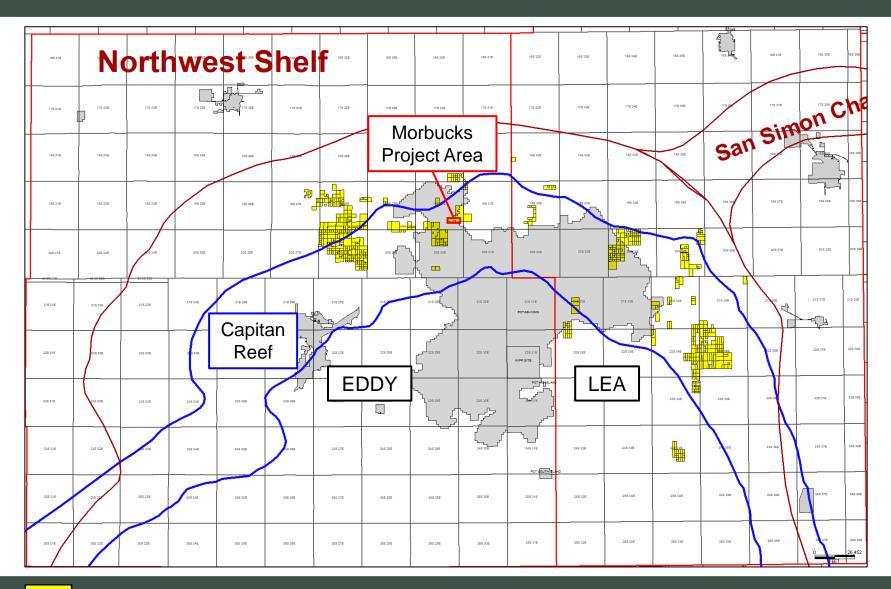
Date

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Regional Locator Map Morbucks 25-26 Fed Com

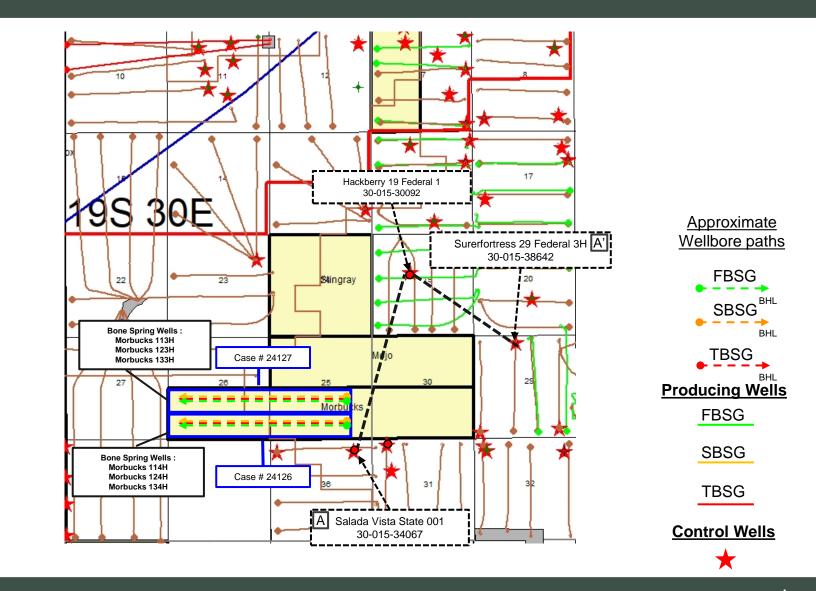
Colgate Production, LLC Case No. 24126 Exhibit B-1





Cross-Section Locator Map Morbucks 25-26 Fed Com Colgate Production, LLC Case No. 24126 Exhibit B-2





Permian

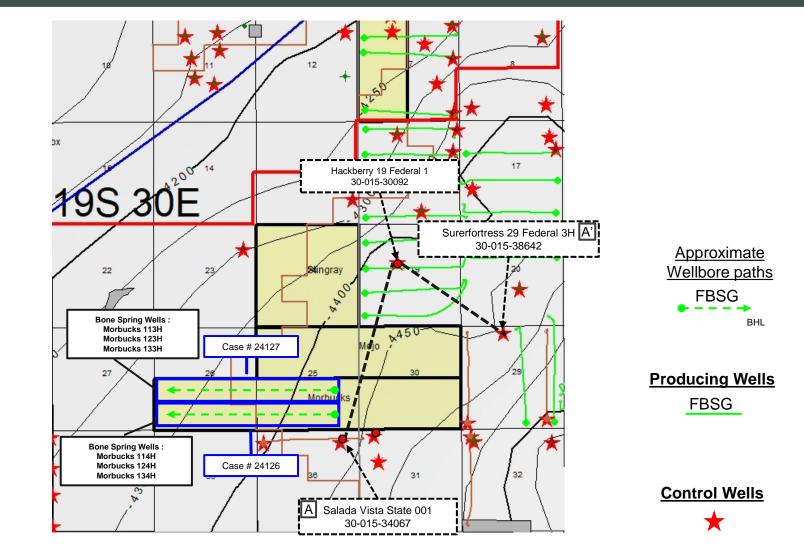
Resources

4

Received by OCD: 6/6/2024 3:14:33 PM

First Bone Spring– Structure Map (50' CI) Morbucks 25-26 Fed Com Colgate Production, LLC Case No. 24126 Exhibit B-3

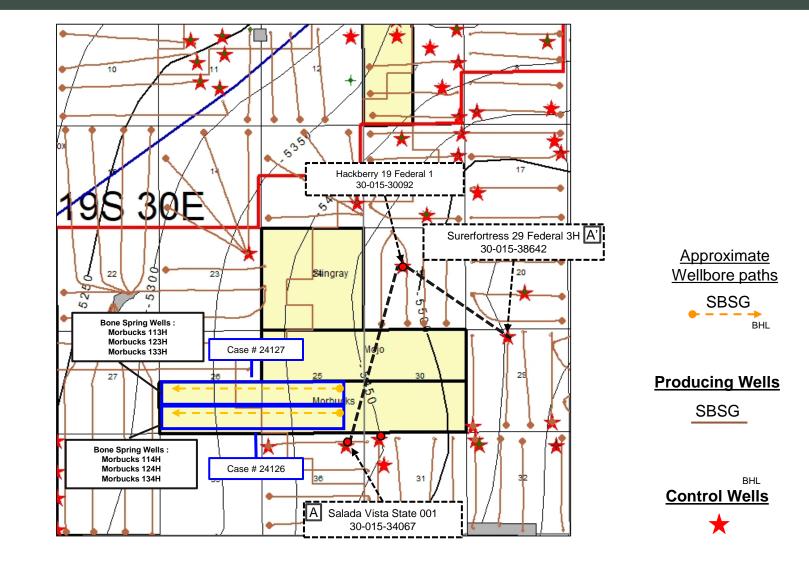




Resources

Permian

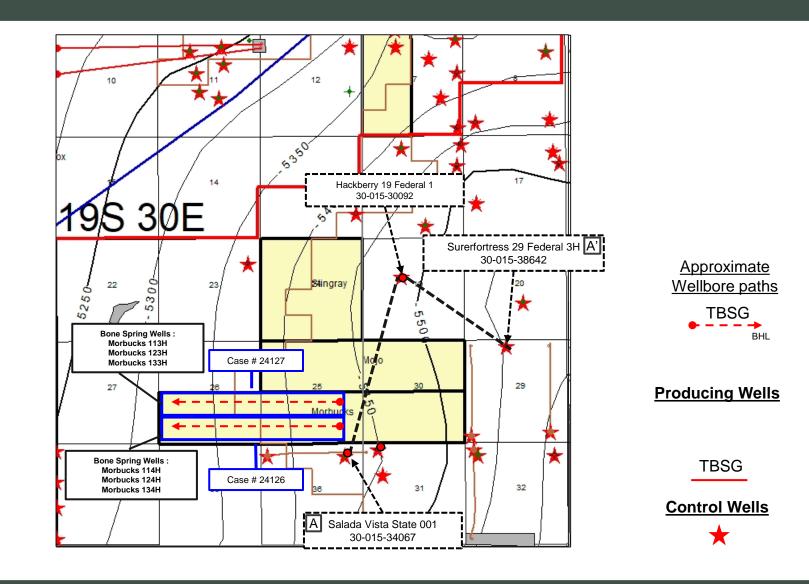
Colgate Production, LLC Case No. 24126 Base Second Bone Spring- Structure Map (50' CI) Exhibit B-4 Morbucks 25-26 Fed Com



Permian **Resources** Page 30 of 53

Colgate Production, LLC Case No. 24126 Exhibit B-5

Top Third Bone Spring– Structure Map (50' C.I.) Morbucks 25-26 Fed Com

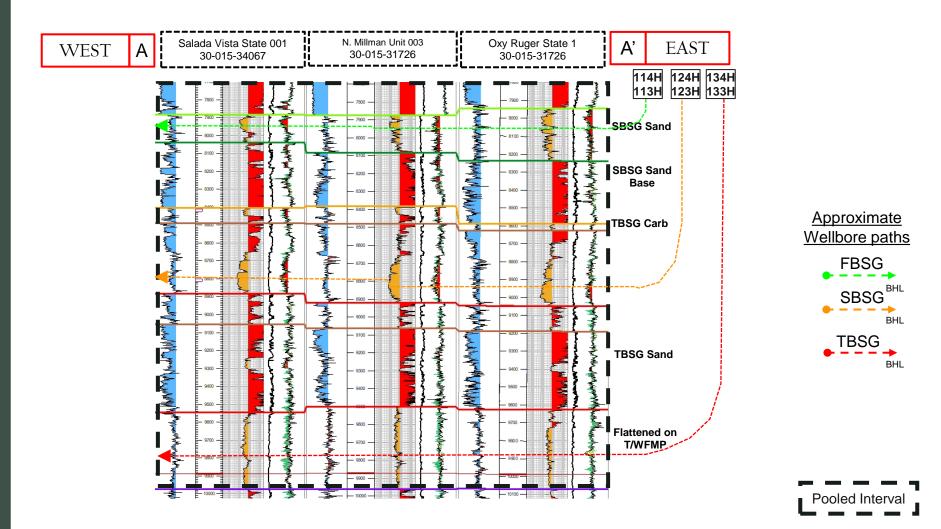


Permian Resources Page 31 of 53

Stratigraphic Cross-Section A-A' Morbucks 25-26 Fed Com

Colgate Production, LLC Case No. 24126 Exhibit B-6

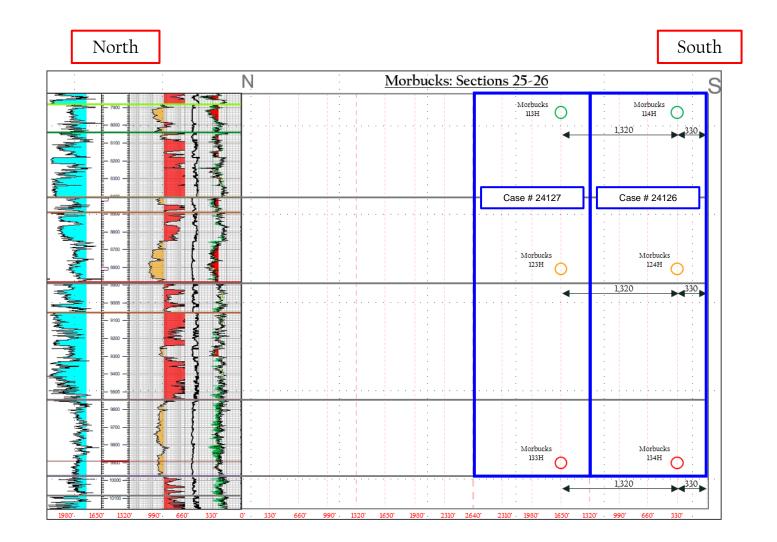




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Gun Barrel Development Plan Morbucks 25-26 Fed Com Colgate Production, LLC Case No. 24126 Exhibit B-7





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

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

CASE NO. 24126

SELF-AFFIRMED STATEMENT OF DANA S. HARDY

1. I am attorney in fact and authorized representative of Colgate Production, LLC, the Applicant herein, and Permian Resources Operating, LLC.

2. I am familiar with the Notice Letter attached as **Exhibit C-1** and caused the Notice Letter, along with the Application in this case, to be sent to the parties set out in the chart attached

as Exhibit C-2.

3. Exhibit C-2 also provides the date each Notice Letter was sent and the date each return was received.

4. Copies of the certified mail green cards and white slips are attached as Exhibit C-3 as supporting documentation for proof of mailing and the information provided on Exhibit C-2.

5. On January 12, 2024, I caused a notice to be published to all interested parties in the Carlsbad Current Argus. An Affidavit of Publication from the Legal Clerk of the Carlsbad Current Argus, along with a copy of the notice publication, is attached as **Exhibit C-4**.

6. I understand this Self-Affirmed Statement will be used as written testimony in the subject cases. I affirm that my testimony above is true and correct and it 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.

/s/ Dana S. Hardy Dana S. Hardy <u>June 4, 2024</u> Date

> Colgate Production, LLC Case No. 24126 Exhibit C



HINKLE SHANOR LLP

ATTORNEYS AT LAW P.O. BOX 2068 SANTA FE, NEW MEXICO 87504 505-982-4554 (FAX) 505-982-8623

January 8, 2024

WRITER: Dana S. Hardy, Partner dhardy@hinklelawfirm.com

<u>VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED</u>

TO ALL PARTIES ENTITLED TO NOTICE

Re: Case Nos. 24126 & 24127 – Applications of Colgate Production, LLC for Compulsory Pooling, Eddy County, New Mexico.

To whom it may concern:

This letter is to advise you that the enclosed applications were filed with the New Mexico Oil Conservation Division. The hearing will be conducted on February 1, 2024, beginning at 8:15 a.m.

The hearing will be conducted in a hybrid fashion, both in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505 and via the WebEx virtual meeting platform. To participate virtually, see the instructions posted on the OCD Hearings website: https://www.emnrd.nm.gov/ocd/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 submitted through the OCD E-Permitting system (https://wwwapps.emnrd.nm.gov/ocd/ocdpermitting/) or via e-mail to ocd.hearings@emnrd.nm.gov 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.

If you have any questions about this application, please contact Mason Maxwell, New Mexico Landman, Permian Resources – 432-400-0188, mason.maxwell@permianres.com.

C' 1

Enclosure	Sincerely, <u>/s/ Dana S. Hardy</u> Dana S. Hardy	- Colgate Production, LLC Case No. 24126 Exhibit C-1
PO BOX 10	7601 JEFFERSON ST NE · SUITE 180	PO BOX 2068
ROSWELL, NEW MEXICO 88202	ALBUQUERQUE, NEW MEXICO 87109	SANTA FE, NEW MEXICO 87504
(575) 622-6510	505-858-8320	(505) 982-4554
FAX (575) 623-9332	(FAX) 505-858-8321	FAX (505) 982-8623

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

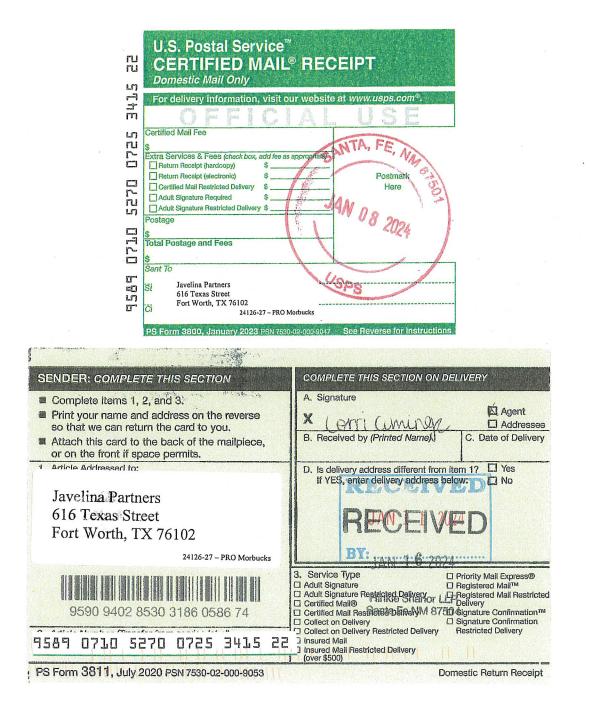
APPLICATIONS OF COLGATE PRODUCTION, LLC FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

CASE NOS. 24126 & 24127

NOTICE LETTER CHART

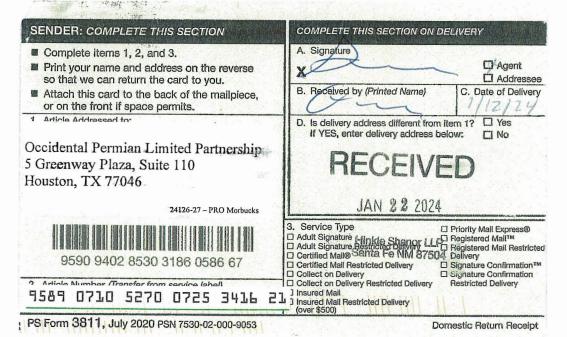
PARTY	NOTICE LETTER SENT	RETURN RECEIVED
Ellipsis U.S. Onshore.	01/08/24	Per USPS Tracking
3500 Maple Avenue, Suite 1080		(Last Checked 06/04/24):
Dallas, Texas 75219		
		01/11/24 – Delivered to
		individual at the address.
Frost Bank, Trustee of the Josephine T.	01/08/24	Per USPS Tracking
Hudson Testamentary Trust FBO J.		(Last Checked 06/04/24):
Terrell Ard		
PO Box 1600		01/14/24 – Item in transit
San Antonio, TX 78296		to the next facility.
Francis H Hudson, Trustee of the Lindy's	01/08/24	Per USPS Tracking
Living Trust uta 7/8/94		(Last Checked 06/04/24):
215 W. Bandera Road, Suite 114-620		
Boerne, TX 78006		01/13/24 – Delivered to
		individual at the address.
Javelina Partners	01/08/24	01/16/24
616 Texas Street		
Fort Worth, TX 76102		
Delmar Hudson Lewis, Trustee of the	01/08/24	01/26/24
Delmar Hudson Lewis Living		
Trust dtd 9/9/2002		Return to sender.
6300 Ridglea Place, Suite 1005-A		
Fort Worth, TX 76116		
Occidental Permian Limited Partnership	01/08/24	01/22/24
5 Greenway Plaza, Suite 110		
Houston, TX 77046		
PBEX LLC	01/08/24	01/16/24
223 West Wall Street, Suite 900		
Midland, TX 79701		
RKI Exploration & Production, LLC	01/08/24	01/22/24
3500 One Williams Center		
Tulsa, OK 74172		Return to sender.
Shackelford Oil Company	01/08/24	01/18/24
11417 W. Country Road 33		
Midland, Texas 79707		
Zorro Partners, Ltd.	01/08/24	01/16/24
616 Texas Street		
Fort Worth, TX 76102		

Colgate Production, LLC Case No. 24126 Exhibit C-1



Colgate Production, LLC Case No. 24126 Exhibit C-3



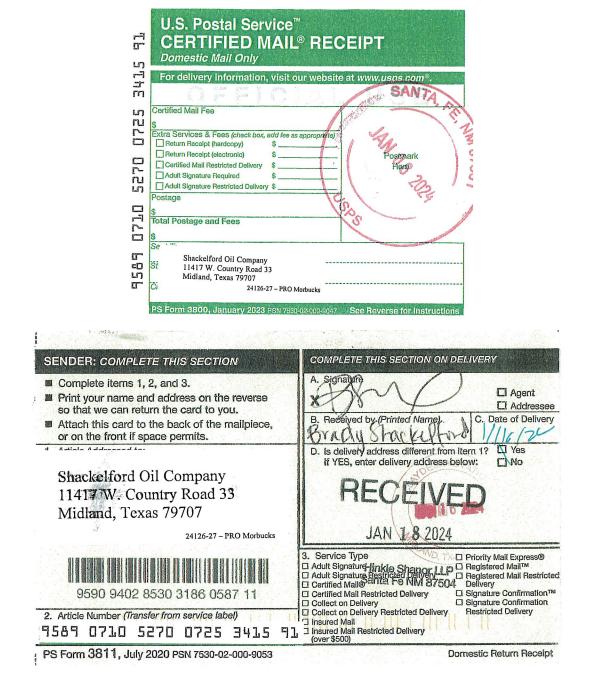


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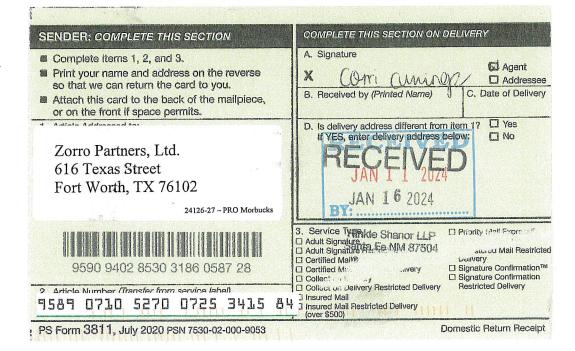


PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt







U.S. Postal Service[™] **CERTIFIED MAIL® RECEIPT** ц -7 **Domestic Mail Only** L) 77 For delivery information, visit our website at www.usps.com® SAN m Certified Mail Fee 5 nu. 5 Extra Services & Fees (check box, add fee as appropria Return Receipt (hardcopy) Return Receipt (electronic) Certified Mail Restricted Delivery 5-Adult Signature Required n Adult Signature Restricted Delivery \$ ŝ Postage 0770 Total Postage and Fees Sent To Delmar Hudson Lewis, Trustee of the Delmar T Hudson Lewis Living Trust dtd 9/9/2002 6300 Ridglea Place, Suite 1005-A C) Sti LN Fort Worth, TX 76116 UT-Cit 24126-27 - PRO Morbucks PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instru CERTIFIED MAIL POME MM 270 IMIPITNEY BOWES 0 FIRST-ZIP 87501 9589 0710 5270 0725 3415 15 JAN 08 2024 0006052409 RECEIVED Delmar Hudson Lewis, Trustee of the JAN 26 2024 Delmar Hudson Lewis Living Trust dtd 9/9/2002 Hinkie Shanor LLP 6300 Ridglea Place, Suite 1005-A Santa Fe NM 87504 Fort Worth, TX 76116 24126-2 MIXIE 750 DE 1 0001/19/24 RETURN TO SEMBER SUCH 5 TREE MO TO 1444 高星 [臣 口 心兒 被 血兒 白 BC: 87504206868 * 0668-00838-08-40 N > STesiserts 2623

HINKLE SHANOR LLP ATTORNEÝS AT LAW POST OFFICE BOX 2068 SANTA FE, NEW MEXICO 87504



Page 42 of 53

Adult Signature Required n Adult Signature Restricted Delivery \$. LM Postage 710 Total Postage and Fees Sent To 0 RKI Exploration & Production, LLC ŝi =0 3500 One Williams Center S Tulsa, OK 74172 U Ĉ 24126-27 - PRO Morbucks PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructio ·近于赤彩有潮品图3 HINKLE STANOR LLP SS ATTORNEYS AT LAW JS POSTAGE IMIPITNEY BOWES FIRST-CLA **POST OFFICE BOX 2068** SANTA FE, NEW MEXICO 87504 ZIP 87501 02 7H 9589 0710 5270 0725 3416 07 0006052409 JAN 08 2024

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Postmark

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RECEIVED

JAN 22 2024

Hinkle Shanor LLP Santa Fe NM 87504 **RKI Exploration & Production, LLC** 3500 One Williams Center Tulsa, OK 74172

U.S. Postal Service[™]

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

Domestic Mail Only

Certified Mail Fee

Return Receipt (hardcopy)

Return Receipt (electronic)

Certified Mail Restricted Delivery

CERTIFIED MAIL® RECEIPT

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For delivery information, visit our website at www.usps.com®

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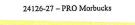
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USPS Tracking[®]

FAQs >

Tracking Number:

Remove X

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Add to Informed Delivery (https://informeddelivery.usps.com/)

Latest Update

Your item was delivered to an individual at the address at 11:16 am on January 11, 2024 in DALLAS, TX 75219.

Get More Out of USPS Tracking:

USPS Tracking Plus[®]

Delivered Delivered, Left with Individual DALLAS, TX 75219 January 11, 2024, 11:16 am

Departed USPS Regional Facility DALLAS TX DISTRIBUTION CENTER January 11, 2024, 5:27 am

Arrived at USPS Regional Facility

DALLAS TX DISTRIBUTION CENTER January 10, 2024, 10:51 am

In Transit to Next Facility January 9, 2024

Departed USPS Facility ALBUQUERQUE, NM 87101 January 8, 2024, 9:42 pm

Arrived at USPS Facility

ALBUQUERQUE, NM 87101 January 8, 2024, 8:02 pm

Hide Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	\checkmark
USPS Tracking Plus®	\checkmark
Product Information	\checkmark
See Less 🔨	
Track Another Package	
Enter tracking or barcode numbers	

Need More Help?

Contact USPS Tracking support for further assistance.

FAQs

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FAQs >

USPS Tracking[®]

Remove X

Feedback

Tracking Number:

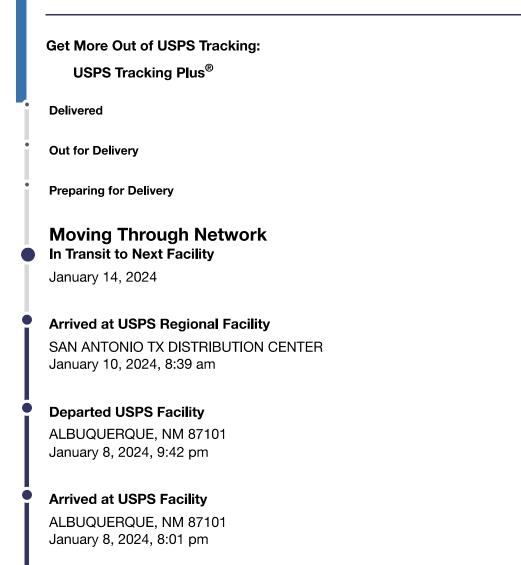
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Сору

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Latest Update

Your package is moving within the USPS network and is on track to be delivered to its final destination. It is currently in transit to the next facility.



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What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	\checkmark
USPS Tracking Plus®	\checkmark
Product Information	\checkmark
See Less 🔨	

Track Another Package

Enter tracking or barcode numbers

Need More Help?

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FAQs



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FAQs >

Tracking Number:

Remove X

Feedback

9589071052700725341539

Сору

Add to Informed Delivery (https://informeddelivery.usps.com/)

Latest Update

Your item was delivered to an individual at the address at 10:48 am on January 13, 2024 in BOERNE, TX 78006.

Get More Out of USPS Tracking:

USPS Tracking Plus[®]

Delivered Delivered, Left with Individual BOERNE, TX 78006 January 13, 2024, 10:48 am

In Transit to Next Facility January 12, 2024

Arrived at USPS Regional Facility

SAN ANTONIO TX DISTRIBUTION CENTER January 10, 2024, 8:39 am

Departed USPS Facility

ALBUQUERQUE, NM 87101 January 8, 2024, 9:42 pm

Arrived at USPS Facility

ALBUQUERQUE, NM 87101 January 8, 2024, 8:01 pm Hide Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	\checkmark
USPS Tracking Plus®	\checkmark
Product Information	\checkmark
See Less 🔨	

Track Another Package

Enter tracking or barcode numbers

Need More Help?

Contact USPS Tracking support for further assistance.

FAQs

Carlsbad Current Argus.

Affidavit of Publication Ad # 0005872717 This is not an invoice

HINKLE SHANOR, LLP POBOX 2068

SANTA FE, NM 87504

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:

01/12/2024

Legal Clerk

Subscribed and sworn before me this January 12,

2024:

State of WI, County of Brown NOTARY PUBLIC

1-7-25

My commission expires

KATHLEEN ALLEN Notary Public State of Wisconsin

Ad # 0005872717 PO #: Case # 24126 # of Affidavits1

This is not an invoice

This is to notify all interested parties, including Ellipsis U.S. Onshore; Frost Bank, Trustee of the Josephine T. Hudson Testamentary Trust FBO J. Terrell Ard; Francis H Hudson, Trustee of the Lindy's Living Trust uta 7/8/94; Javelina Partners; Delmar Hudson Lewis, Trustee of the Delmar Hudson Lewis Living Trust dtd 9/9/2002; Occidental Permian Limited Partnership; PBEX LLC; RKI Exploration & Production, LLC; Shackelford Oil Company; Zorro Partners, Ltd.; and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Colgate Production, LLC (Case No. 24126). The hearing will be conducted in a hybrid fashion, both in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505 and via the WebEx virtual meeting platform. To participate virtually, see the instructions posted on the OCD Hearings website: https://www.emnrd.n m.gov/ocd/hearing-info/. Colgate Production, LLC ("Applicant") applies for an order pooling all uncommitted interests in the Bone Spring formation underlying a 280acre, more or less, standard horizontal spacing unit comprised of the SW/4 SE/4 and S/2 SW/4 of Section 25, and the S/2 S/2 of Section 26, Township 19 South, Range 30 East, Eddy County, New Mexico ("Unit"). The Unit will be dedicated to the Morbucks 25-26 Federal Com 114H, Morbucks 25-26 Federal Com 124H, and Morbucks 25-26 Federal Com 134H wells ("Wells"), which will be drilled from surface hole locations in the SW/4 SE/4 (Unit O) of Section 25, to bottom hole locations in the SW/4 SW/4 (Unit M) of Section 26. The completed intervals of the Wells will be orthodox. Also to be considered will be the cost of drilling and completing the Wells and the allocation of the costs, the designation of Permian Resources Operating, LLC as operator of the Wells, and a 200% charge for the risk involved in drilling and completing the Wells. The Wells are located app

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Colgate Production, LLC Case No. 24126 Exhibit C-4