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

#### APPLICATION OF COLGATE OPERATING, LLC FOR COMPULSORY POOLING, AND NON-STANDARD SPACING AND PRORATION UNIT IN EDDY COUNTY, NEW MEXICO

CASE NO. 21226

#### APPLICATION OF COLGATE OPERATING, LLC FOR COMPULSORY POOLING, AND NON-STANDARD SPACING AND PRORATION UNIT IN EDDY COUNTY, NEW MEXICO

**CASE NO. 21227** 

#### AFFIDAVIT

#### STATE OF TEXAS ) ) ss. COUNTY OF MIDLAND )

Mark Hadjik, being duly sworn, deposes and states:

1. I am over the age of 18, I am a landman for Colgate Operating. LLC, and have personal knowledge of the matters stated herein. I have previously testified before the Oil Conservation Division ("Division") and my credentials as an expert petroleum landman were accepted by the division as a matter of record.

2. My area of responsibility of Colgate Operating. LLC includes the area of Eddy County in New Mexico.

3. I am familiar with the application filed with by Colgate Operating. LLC.

4. I am familiar with the status of the lands that are subject to these applications.

5. I submit the following information pursuant to NMAC 19.15.4.12.A(1) in support of the above referenced compulsory pooling applications.



6. In Case 21226 Applicant seeks an order pooling all mineral interests within the Winchester Bone Spring Pool (Pool Code 65010), underlying Sections 34 and 33, Township 19 South, Range 28 East, NMPM, Eddy County, New Mexico. Applicant seeks to dedicate the horizontal spacing unit described below to the following four initial wells:

#### A. Dawson 34 Fed State Com 123H

SHL: 1505 feet from the South line and 715 feet from the East line, (Unit I) of Section 34, Township 19 South, Range 28 East, NMPM.
BHL: 1650 feet from the South line and 10 feet from the West line, (Unit L) of Section 33, Township 19 South, Range 28 East, NMPM.
Completion Target: 2nd Bone Spring Sand at approx 7500 feet TVD.
Well Orientation: East to West
Completion Location: standard
Spacing Unit: N/2 S/2 of Section 34 and N/2 S/2 of Section 33.

#### B. Dawson 34 Fed State Com 133H

SHL: 1505 feet from the South line and 760 feet from the East line, (Unit I) of Section 34, Township 19 South, Range 28 East, NMPM.
BHL: 1750 feet from the South line and 10 feet from the West line, (Unit L) of Section 34, Township 19 South, Range 28 East, NMPM.
Completion Target: 3rd Bone Spring Sand at approx 8600 feet TVD.
Well Orientation: East to West
Completion Location: standard
Spacing Unit: N/2 S/2 of Section 34 and N/2 S/2 of Section 33.

#### C. Dawson 34 Fed State Com 124H

SHL: 295 feet from the South line and 560 feet from the East line, (Unit P) of Section 34, Township 19 South, Range 28 East, NMPM.
BHL: 330 feet from the South line and 10 feet from the West line, (Unit M) of Section 33, Township 19 South, Range 28 East, NMPM.
Completion Target: 2nd Bone Spring Sand at approx 7500 feet TVD.
Well Orientation: East to West
Completion Location: standard
Spacing Unit: S/2 S/2 of Section 34 and S/2 S/2 of Section 33.

#### D. Dawson 34 Fed State Com 134H

SHL: 340 feet from the South line and 560 feet from the East line, (Unit P) of Section 34, Township 19 South, Range 28 East, NMPM.
BHL: 430 feet from the South line and 10 feet from the West line, (Unit M) of Section 33, Township 19 South, Range 28 East, NMPM.
Completion Target: 3rd Bone Spring Sand at approx 8600 feet TVD.
Well Orientation: East to West
Completion Location: standard
Spacing Unit: S/2 S/2 of Section 34 and S/2 S/2 of Section 33.

Attached hereto as **Exhibits 1, 2, 3, and 4** are copies of the C-102s for the foregoing wells, together with associated and aerial maps.

7. In Case 21227 Applicant seeks an order pooling all mineral interests within the Winchester Bone Spring Pool (Pool Code 65010), underlying Sections 34 and 33, Township 19 South, Range 28 East, NMPM, Eddy County, New Mexico. Applicant seeks to dedicate the horizontal spacing unit described below to the following four initial wells:

#### A. Shamrock 34 Fed State Com 121H

SHL: 700 feet from the North line and 330 feet from the West line,
(Unit D) of Section 35, Township 19 South, Range 28 East, NMPM.
BHL: 990 feet from the North line and 10 feet from the West line,
(Unit D) of Section 33, Township 19 South, Range 28 East, NMPM.
Completion Target: 2nd Bone Spring Sand at approx 7500 feet TVD.
Well Orientation: East to West
Completion Location: standard
Spacing Unit: N/2 N/2 of Section 34 and N/2 N/2 of Section 33

#### B. Shamrock 34 Fed State Com 131H

SHL: 655 feet from the North line and 330 feet from the West line,
(Unit D) of Section 35, Township 19 South, Range 28 East, NMPM.
BHL: 890 feet from the North line and 10 feet from the West line,
(Unit D) of Section 33, Township 19 South, Range 28 East, NMPM.
Completion Target: 3rd Bone Spring Sand at approx 8600 feet TVD.
Well Orientation: East to West
Completion Location: standard
Spacing Unit: N/2 N/2 of Section 34 and N/2 N/2 of Section 33

#### C. Shamrock 34 Fed State Com 122H

SHL: 2610 feet from the South line and 295 feet from the East line,
(Unit I) of Section 34, Township 19 South, Range 28 East, NMPM.
BHL: 2310 feet from the North line and 10 feet from the West line,
(Unit E) of Section 33, Township 19 South, Range 28 East, NMPM.
Completion Target: 2nd Bone Spring Sand at approx 7500 feet TVD.
Well Orientation: East to West
Completion Location: standard
Spacing Unit: S/2 N/2 of Section 34 and S/2 N/2 of Section 33

#### D. Shamrock 34 Fed State Com 132H

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SHL: 2610 feet from the South line and 340 feet from the East line,
(Unit I) of Section 34, Township 19 South, Range 28 East, NMPM.
BHL: 2210 feet from the North line and 10 feet from the West line,
(Unit E) of Section 33, Township 19 South, Range 28 East, NMPM.
Completion Target: 3rd Bone Spring Sand at approx 8600 feet TVD.
Well Orientation: East to West
Completion Location: standard

Spacing Unit: S/2 N/2 of Section 34 and S/2 N/2 of Section 33.

Attached hereto as **Exhibits 5, 6, 7 and 8** are copies of the C-102s for the foregoing wells, together with associated and aerial maps.

The parties being pooled and the percent of their interests are shown in Exhibits 9 and 10 for the respective cases. The owners of overriding royalty interests are also identified in Exhibits 9 and 10.

9. Colgate Operating LLC have conducted a diligent search of the public records in the county where the wells are located and conducted phone directory and computer searches to locate contact information for parties entitled to notification, and mailed all parties well proposals. Copies of Communication Timelines are attached hereto as **Exhibits 11 and 12** for both cases.

10. In my opinion, Colgate Operating. LLC has made a good faith effort to obtain voluntary joinder of the working interest owners in the proposed wells.

11. Exhibit 13 and 14 is a copy of a proposal letter sent to working interest owners, which were sent on November 4, 2019, for the proposed wells in both cases together with AFEs.

12. The proposal letters identified the proposed first and last take points and approximate TVD.

13. Exhibit 15 contains the Authorization for Expenditure for the proposed wells. The estimated cost of the wells set forth therein is fair and reasonable and is comparable to the costs of other wells of similar depths and length drilled in this area of New Mexico. Colgate Operating. LLC requests overhead and administrative rates of \$8,000.00/month for drilling a well and \$800.00/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this area of Southeastern, New Mexico. Colgate Operating. LLC requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.

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14. Colgate Operating. LLC requests the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.

15. Colgate Operating. LLC requests that it be designated operator of the wells.

16. The attachments to this affidavit were prepared by me, or compiled from company business records, or were prepared at my direction.

17. I attest that the information provided herein is correct and complete to the best of my knowledge and belief.

18. The granting of this application is in the interests of conservation and the prevention of waste.

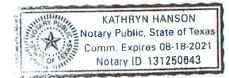
Maktlej. Lik

# MARK HADJIK

SUBSCRIBED AND SWORN to before me this 26<sup>th</sup> day of May, 2020, by MARK HADJIK on behalf of Colgate Operating. LLC

hum Hansm

Notary Public



My Commission Expires: 8/18/24

District I 1625 N. French Dr., Hobbs, NM 88240	State of New Mexico
Phone: (575) 393-6161 Fax: (575) 393-0720 District II	Energy, Minerals & Natural Resources Department
811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax; (575) 748-9720	OIL CONSERVATION DIVISION
District III 1000 Rio Brazos Road, Aztec, NM 87410	1220 South St. Francis Dr.
Phone: (505) 334-6178 Fax: (505) 334-6170 District IV	Santa Fe, NM 87505
1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462	
	WELL LOCATION AND A OPEA OF DEDICATION D

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

AMENDED REPORT

		W	ELL LO	CATIO	N AND ACF	REAGE DEDIC	CATION PL	AT			
<sup>1</sup> API Number <sup>2</sup> Pool (					le	<sup>3</sup> Pool Name					
<sup>4</sup> Property Code					<sup>5</sup> Property	Well Number					
				DAV	WSON 34 FED				123H		
<sup>7</sup> OGRID N	lo.				<sup>8</sup> Operator	Name				<sup>9</sup> Elevation	
37144	9			CO	OLGATE OPERATING, LLC				3304.5		
	" Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County	
I	34	19 S	28 E		1505	SOUTH	715	EA	ST	EDDY	
			" B	ottom H	lole Location	If Different Fr	om Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County	
L	33	19 S	28 E		1650 SOUTH 10 WEST					EDDY	
<sup>12</sup> Dedicated Acre	5 <sup>13</sup> Joint	or Infill 14	Consolidation	1 Code	<sup>15</sup> 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.

	" 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
NW CODNER SEC 33 N/4 CORNER SEC 33 N/4 CORNER SEC 34	working interest or unleased nuneral interest in the land including the proposed
LAT. = 32.6243712'N LAT. = 32.6244127'N LAT. = 32.6244550'N LAT. = 32.6244929'N LAT. = 32.624514'N	bottom hole location or has a right to drill this well at this location pursuant to
LONG. = 104.1897528 W LONG. = 104.1812729 W LONG. = 104.1727993 W LONG. = 104.1643165 W LONG. = 104.1558342 W NMSP EAST (FT) N	a contract with an owner of such a mineral or working interest, or to a
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	voluntary pooling agreement or a compulsory pooling order heretofore entered
N89'35'22"E 2611.38 FT N89'34'38"E 2609.43 FT N89'36'31"E 2612.27 FT N89'36'00"E 2612.11 FT	by the division.
Nag 35 22 E 2811.35 FT Nag 34 36 E 2005.45 FT Nag 30 51 E 2012.67 FT Nag 30 60 E 2012.17 FT	
	Signature Date
501240 00 00 00 00 00 00 00 00 00 00 00 00 0	Synthetic State
SEC 33 SEC 34 SEC 34	
	Printed Name
<sup>40</sup> LAT. = 32.6171414 N LAT. = 32.6172067 N DAWSON 34 FED LAT. = 32.6172730 N	
NMSP EAST (FT) ELEV. = 3304.5' NMSP EAST (FT)	E-mail Address
Z N = 588276.46 E = 585372.29 LAST TAKE POINT E = 596537.73 LONG. = 104.1585355'W E = 595907.70	E-mail Add(Ess
NMSP EAST (FT)	
	<b>"SURVEYOR CERTIFICATION</b>
LTP BOTTOM OF HOLE	I hereby certify that the well location shown on this plat was
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	plotted from field notes of actual surveys made by me or under
LDNG = 104.1904921 W NMSP EAST (FT) N = 587292.13 D N	
100 00 E = 585318.78 00 00 00 00 00 00 00 00 00 00 00 00 00	my supervision, and that the same is true and correct to the
O Ű ÉS	best of my belief.
	FEBRUARY 19, 2020
S89'41'20"W 2657.33 FT S89'40'24"W 2656.81 FT S89'40'55"W 2657.67 FT S89'40'46"W 2657.46 FT	
SW CORNER SEC. 33 S/4 CORNER SEC. 33 SECTION CORNER S/4 CORNER SEC. 34 SE CORNER SEC. 34 LAT. = 32.6099003'N LAT. = 32.6099298'N LAT. = 32.609960B'N LAT. = 32.6099901'N LAT. = 32.6100191'N	Date of Survey
LONG = 104.1908777'W LONG = 104.1822499'W LONG = 104.1736238 U LONG = 104.1649949'W LONG = 104.1563667 W	
N = 585641.87 N = 58556.30 N = 585671.44 N = 585686.20 N = 585701.06	ANAN TRANK N
E = 585202.25 E = 587858.90 E = 590515.02 E = 593172.01 E = 595828.78	
	Signature and Seal of reference
	Certificate Number: FURION JARAMALO PIS 12797
	PROFESSION NO. 7983
	101 EQUUR 110, 1983

Ex.1pg.006

Intent As Drilled		
API #		
Operator Name:	Property Name:	Well Number
COLGATE OPERATING, LLC	DAWSON 34 FED COM	123H

#### Kick Off Point (KOP)

4

1

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitu	Latitude						<b>1</b>		NAD

## First Take Point (FTP)

UL I	Section 34	Township 19S	Range 28E	Lot	Feet 1650	From N/S SOUTH	Feet 100	From E/W EAST	County EDDY
Latitude					Longitude				NAD
32.6145529					104.156	104.1565224			83

#### Last Take Point (LTP)

UL L	Section 33	Township 19S	Range 28E	Lot	Feet 1650	From N/S SOUTH	Feet 100	From E/W	County EDDY
Latitude					Longitud			NAD	
32.6144370				104.1	901991		83		

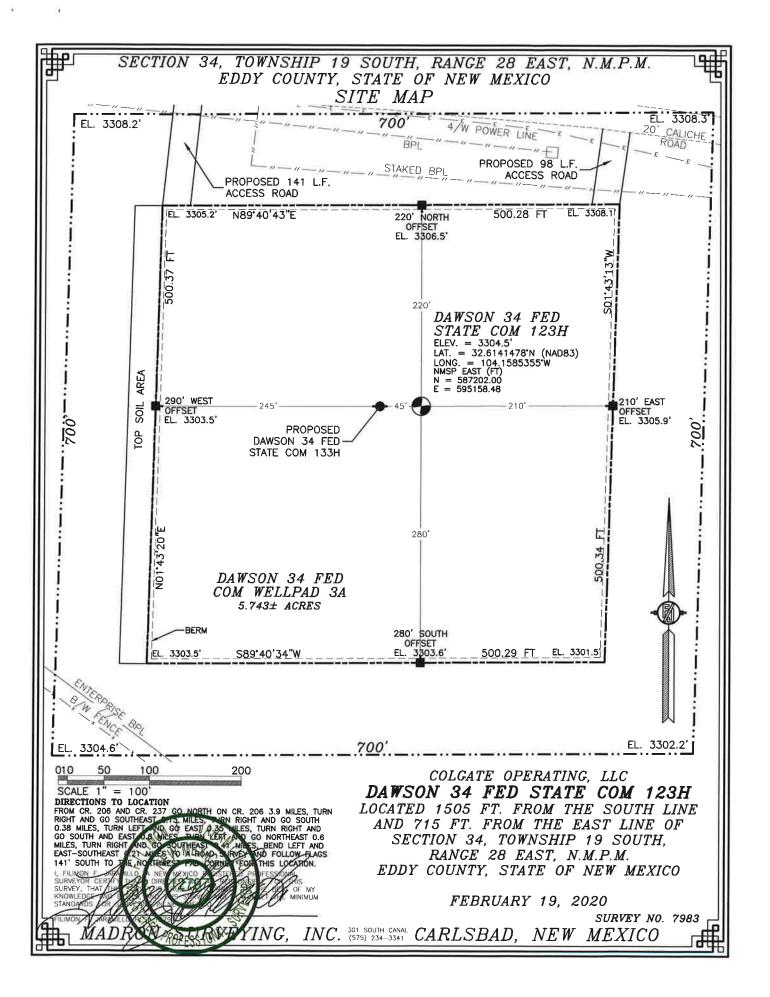
Is this well the defining well for the Horizontal Spacing Unit?

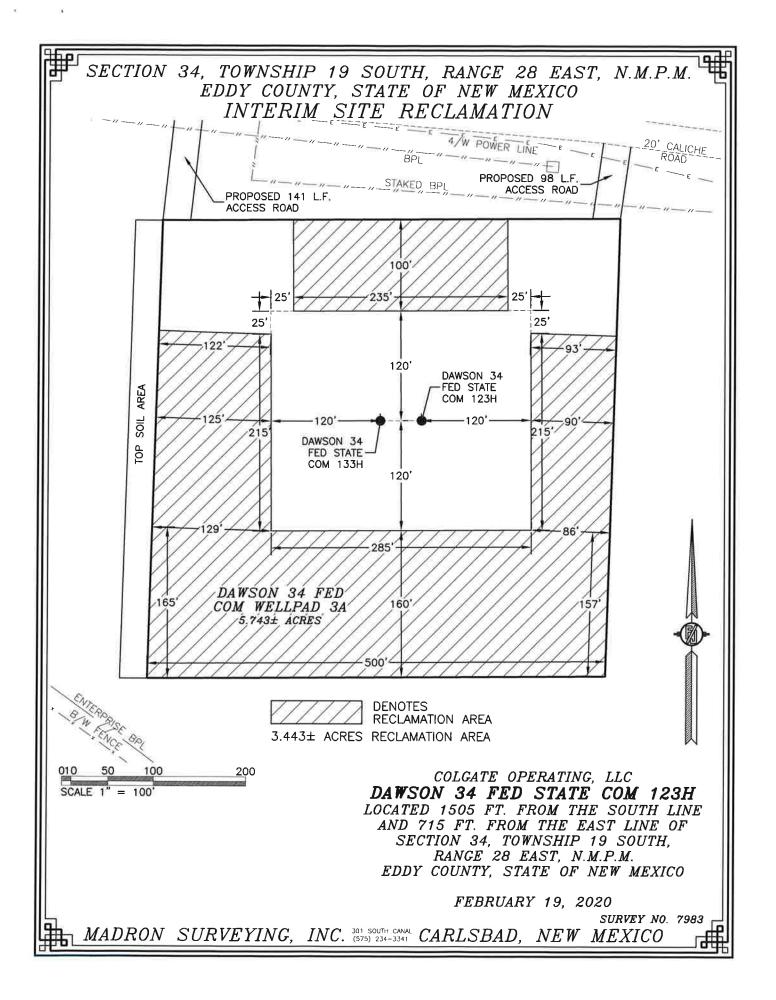
Is this well an infill well?

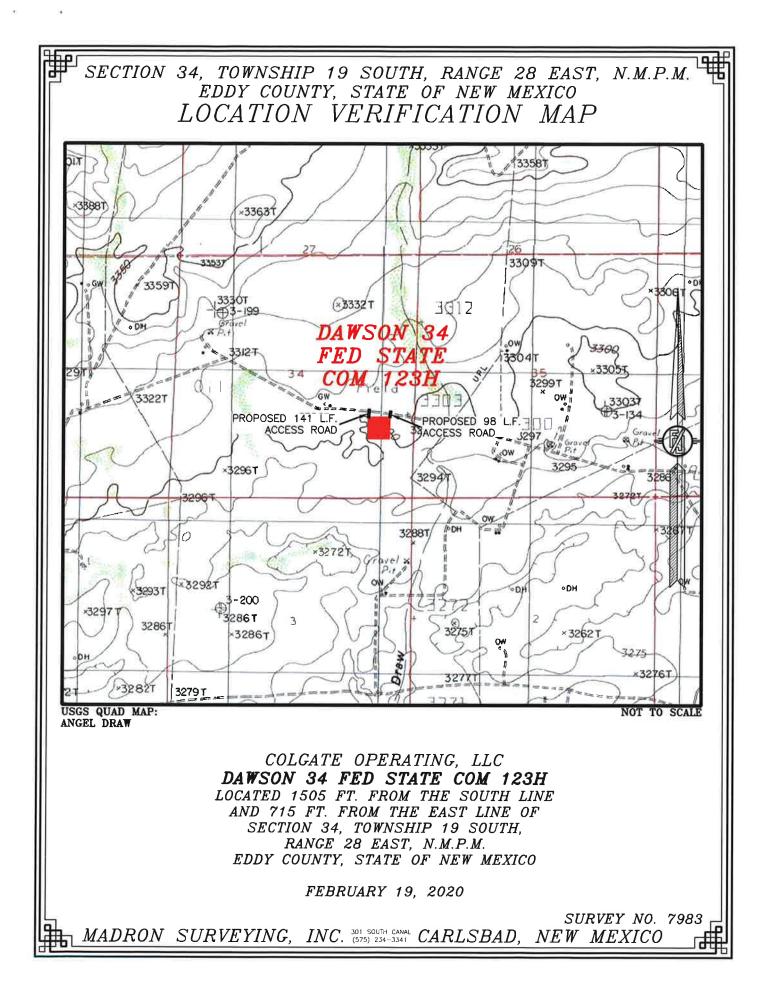
If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

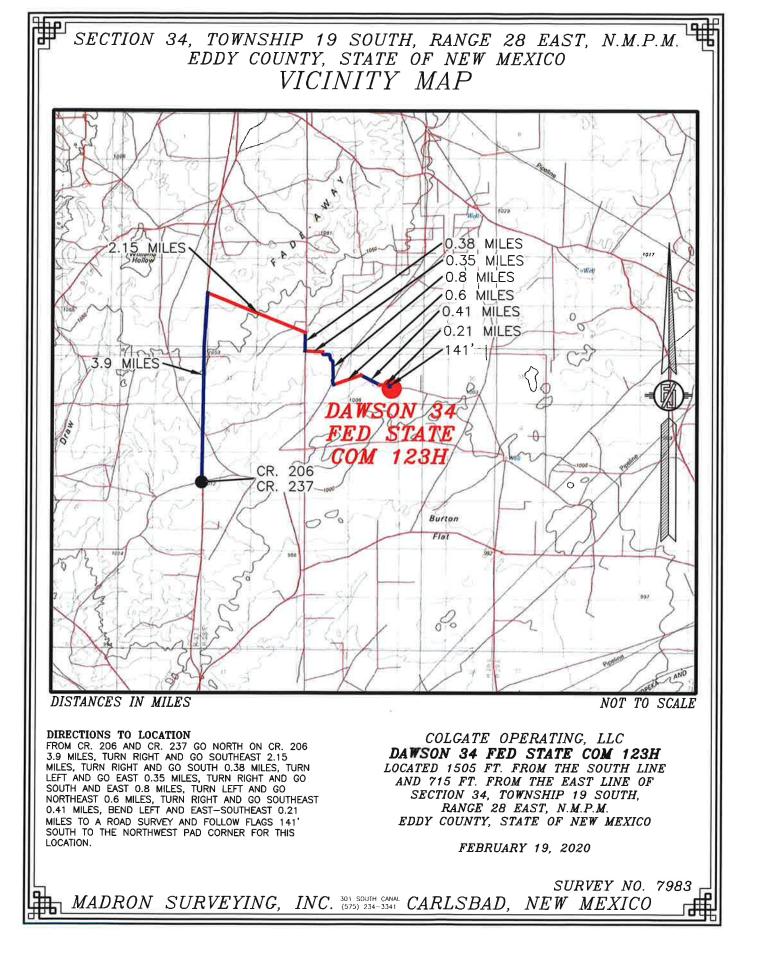
API #		
Operator Name:	Property Name:	Well Number
		K7 0C (20 (2018

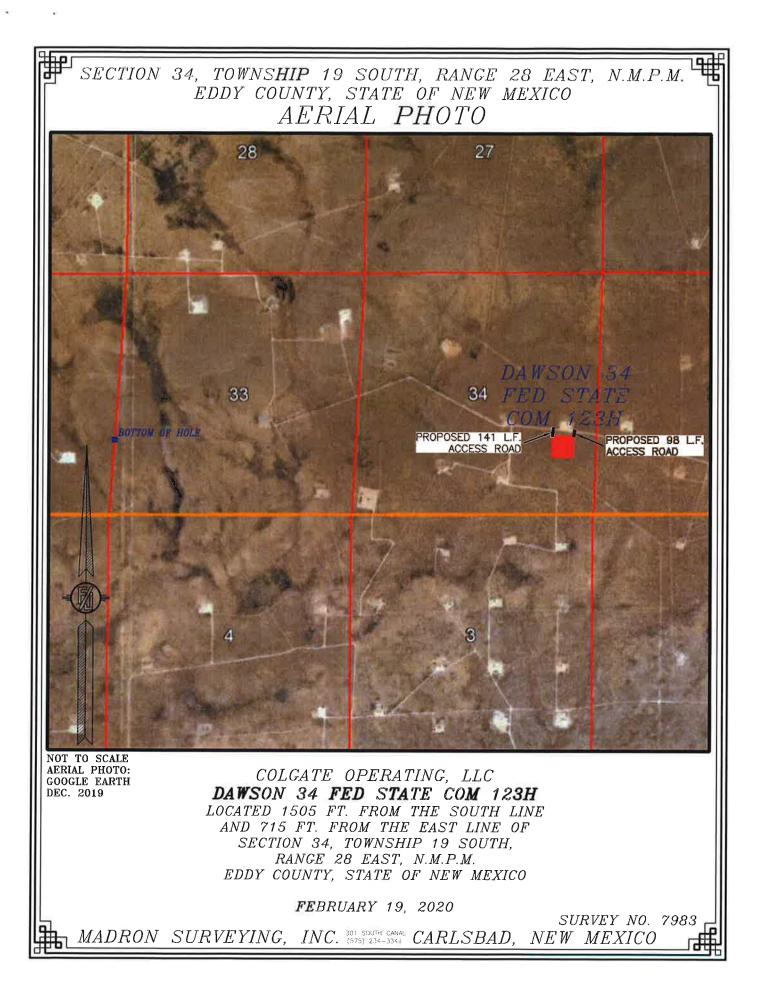
KZ 06/29/2018

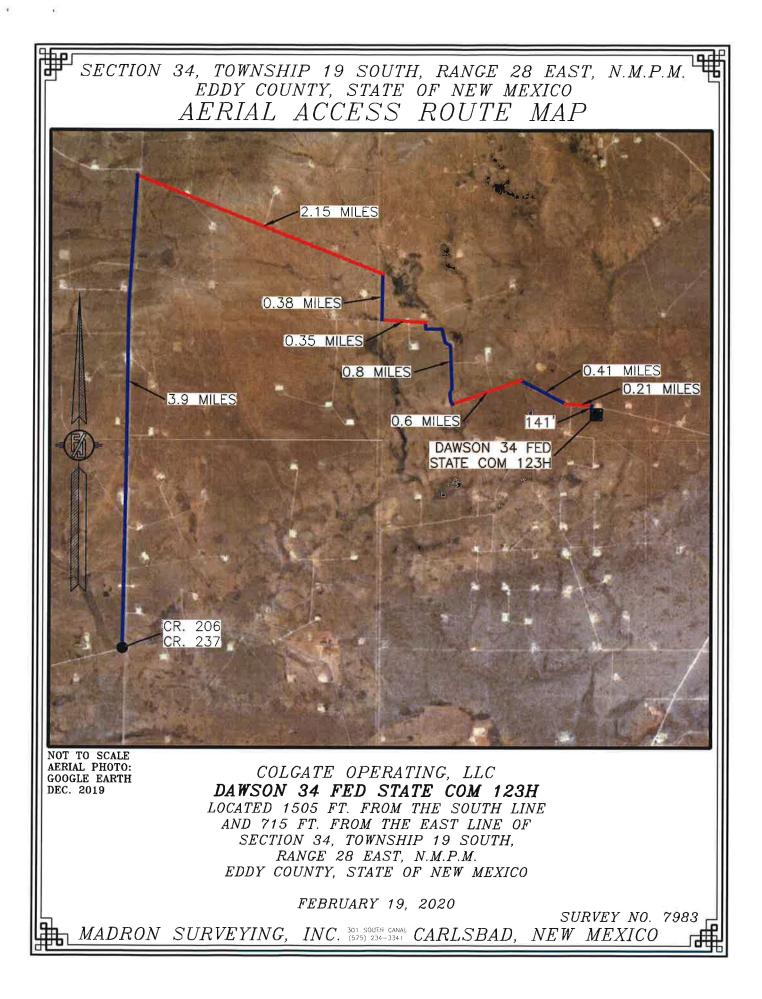


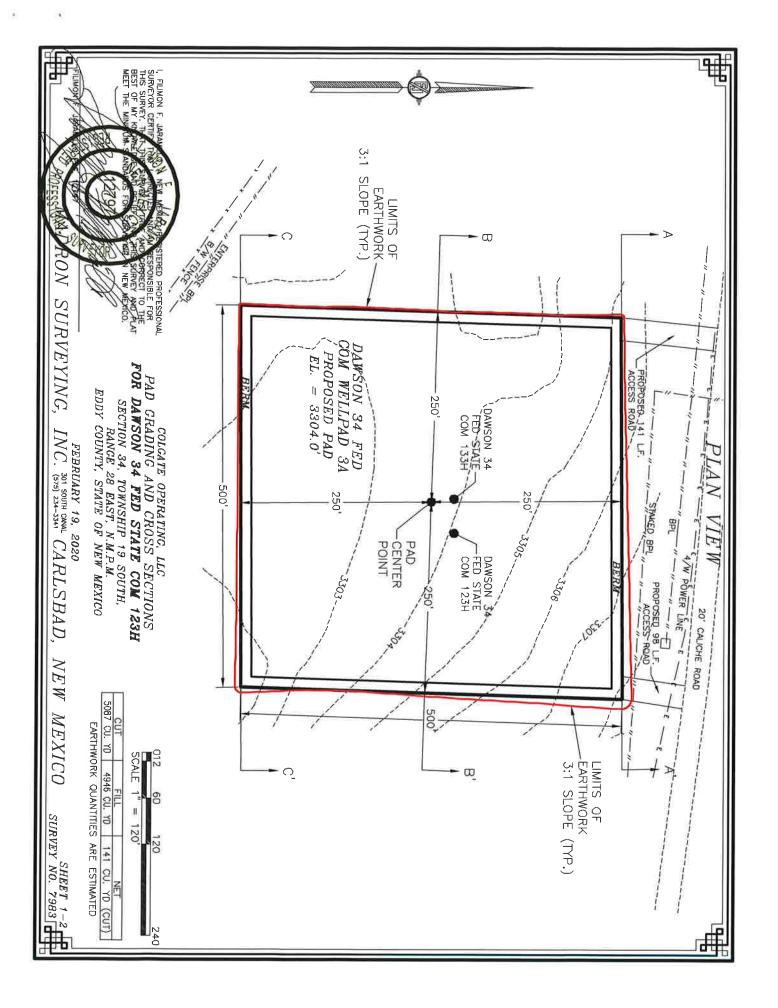


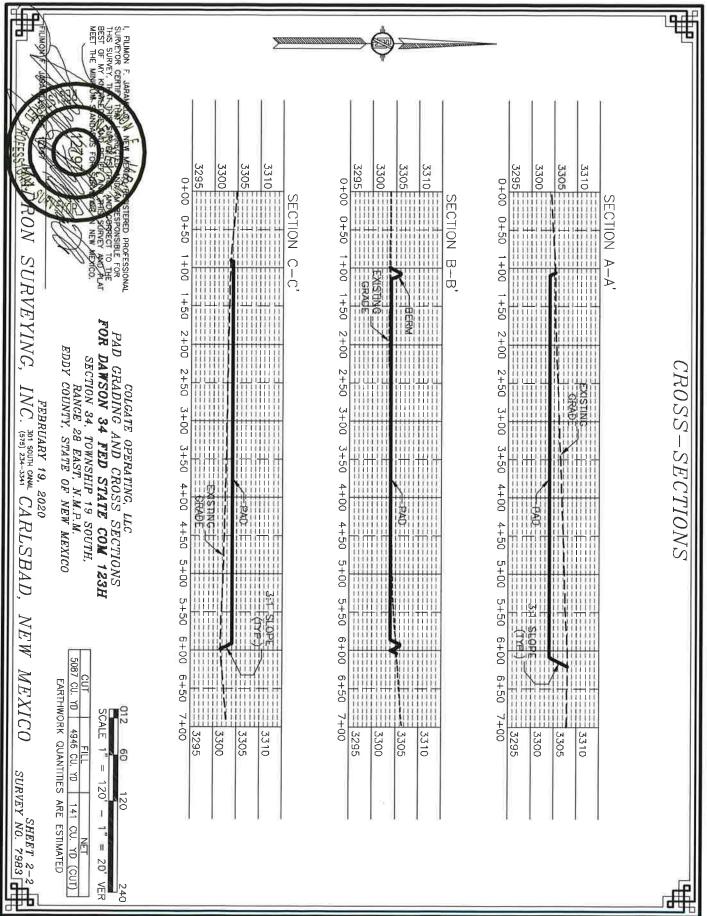


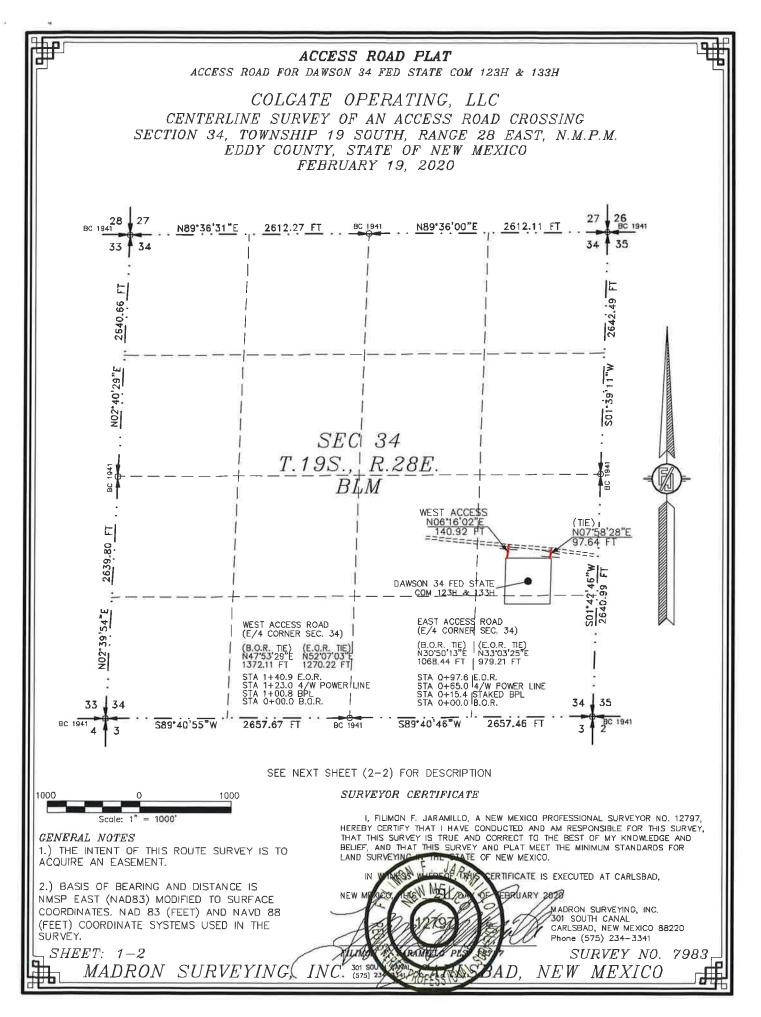












ACCESS ROAD PLAT

ACCESS ROAD FOR DAWSON 34 FED STATE COM 123H & 133H

#### COLGATE OPERATING, LLC CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO FEBRUARY 19, 2020

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

WEST ACCESS

BEGINNING AT A POINT WITHIN THE NE/4 SE/4 OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., WHENCE THE EAST QUARTER CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS N47'53'29"E, A DISTANCE OF 1372.11 FEET; THENCE NOG'16'02"E A DISTANCE OF 140.92 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE EAST QUARTER CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS N52'07'03"E, A DISTANCE OF 1270.22 FEET;

SAID STRIP OF LAND BEING 140.92 FEET OR 8.54 RODS IN LENGTH, CONTAINING 0.097 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 SE/4 140.92 L.F. 8.54 RODS 0.097 ACRES

EAST ACCESS

BEGINNING AT A POINT WITHIN THE NE/4 SE/4 OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., WHENCE THE EAST QUARTER CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS N30'50'13"E, A DISTANCE OF 1068.44 FEET; THENCE N07'58'28"E A DISTANCE OF 97.64 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE EAST QUARTER CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS N33'03'25"E, A DISTANCE OF 979.21 FEET;

SAID STRIP OF LAND BEING 97.64 FEET OR 5.92 RODS IN LENGTH, CONTAINING 0.067 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 SE/4 97.64 L.F. 5.92 RODS 0.067 ACRES

#### SURVEYOR CERTIFICATE

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS THAT THIS SURVEY IS TO BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THIS FATE OF NEW MEXICO.
ACQUIRE AN EASEMENT. 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE NEW MERCO, HEAD DISTANCE S NEW MERCO, HEAD
COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.
SHEET: 2-2 MADRON SURVEYING, INC. 301 SOL AND BAD, 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 <sup>2</sup> Pool Code API Number Pool Name <sup>4</sup> Property Code <sup>5</sup> Property Name Well Number **DAWSON 34 FED COM** 124H <sup>7</sup>OGRID No. <sup>8</sup> Operator Name \* Elevation 371449 **COLGATE OPERATING, LLC** 3297.7 Surface Location UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County P 34 19 S 28 E SOUTH **EDDY** 295 560 EAST "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 19 S 330 SOUTH WEST 33 28 E EDDY M 10 <sup>15</sup> Order No. <sup>12</sup> Dedicated Acres 13 Joint or Infill <sup>14</sup> Consolidation Code

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.

	" 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
NW CORNER SEC. 33 N/4 CORNER SEC. 33 SECTION CORNER N/4 CORNER SEC. 34 NE CORNER SEC. 34	bottom hole location or has a right to drill this well at this location pursuant to
Lat = 32.6243712N $Lat = 32.6244127N$ $Lat = 22.6244550N$ $Lat = 32.6244929N$ $Lat = 32.6245314N$	a contract with an owner of such a mineral or working interest, or to a
NMSP EAST (FT)	voluntary pooling agreement or a compulsory pooling order heretofore entered
N = 590906,93´ N = 590925,84´ N = 590944,89 N = 590962,73 N = 590980,97 E = 585541,53 E = 588152,20 E = 590760,93 E = 593372,50 E = 595983,91	by the division.
N89'35'22"E 2611.38 FT N89'34'38"E 2609.43 FT N89'36'31"E 2612.27 FT N89'36'00"E 2612.11 FT	
t	
40 C 20	Signature Date
SEC 38 SEC 34	
	Printed Name
W/4 CORNER SEC. 33         QUARTER CORNER         DAWSON 34         FED         E/4 CORNER SEC. 34           VLAT. = 32.6171414*N         LAT. = 32.6172057N         DAWSON 34         FED         UX. = 32.6172130*N           VLAT. = - 104.1001/0006         LOWS = 104.1732132*N         STATE COM 124H         LOWS = 104.15056*W         STATE COM 124H	
NMSP FAST (FT) ELEV. = 3297.7' NMSP EAST (FT)	E-mail Address
N = 5882/6.46         N = 588307.74         LAT. = 32.61082.39'N (NAD83)         N = 588340.22'         M           E = 585372.29         LAST TAKE POINT         E = 590537.73         LONG. = 104.1581560'W         E = 595907.70         E = 595907.70	
NMSP FAST (FT)	<b>"SURVEYOR CERTIFICATION</b>
LONG. = $104.1904816'W$ BOTTOM OF HOLE LAT. = $32.6108075'N$ LAT. = $32.6108075'N$ LAT	I hereby certify that the well location shown on this plat was
LONG = 104.1907745 W 7 300 FLL FTP 7	plotted from field notes of actual surveys made by me or under
Image: Construction	my supervision, and that the same is true and correct to the
OF HOLE N = 585971.96 OF HOLE E = 585233.58 LTP	best of my belief.
-10' 560' •	FEBRUARY 14, 2020
S89'41'20"W 2657.33 FT S89'40'24"W 2656.81 FT S89'40'55"W 2657.67 FT S89'40'46"W 2657.46 FT	
SW CORNER SEC. 33 S/4 CORNER SEC. 33 SECTION CORNER S/4 CORNER SEC. 34 SE CORNER SEC. 34 LAT. = 32.6099003'N LAT. = 32.6099208'N LAT. = 32.6099001'N LAT. = 32.6099001'N LAT. = 32.6100191'N	Date of Survey
LONG. = 104.1908777 W LONG. = 104.1822499 W LONG. = 104.1736238 W LONG. = 104.1649949 W LONG. = 104.1563667 W	
N = 585641.87 N = 5855656.30 N = 585571.44 N = 585686.20 N = 585701.06	ANNO CESTANA IN
E = 585202,25 E = 587858.90 E = 590515.02 E = 593172.01 E = 595828.78	
	Signature and Seal of tenter onal Search or:
	Certificate Number: IARANGCO P/S 12797
	PROFESSION NO. 7981



Intent As Drilled		
API #		
Operator Name:	Property Name:	Well Number
COLGATE OPERATING, LLC	DAWSON 34 FED COM	124H

#### Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitu	Latitude								NAD

#### First Take Point (FTP)

UL P	Section 34	Township 19S	Range 28E	Lot	Feet 330	From N/S SOUTH	Feet 100	From E/W EAST	County EDDY
Latitu	Latitude				Longitude				NAD
32.6	32.6109250				104.1566	6577	83		

## Last Take Point (LTP)

UL M	Section 33	Township 19S	Range 28E	Lot	Feet 330	From N/S SOUTH	Feet 100	From E/W	County EDDY	
Latitu	Latitude					de		NAD		
32.6	32.6108085					904816		83		

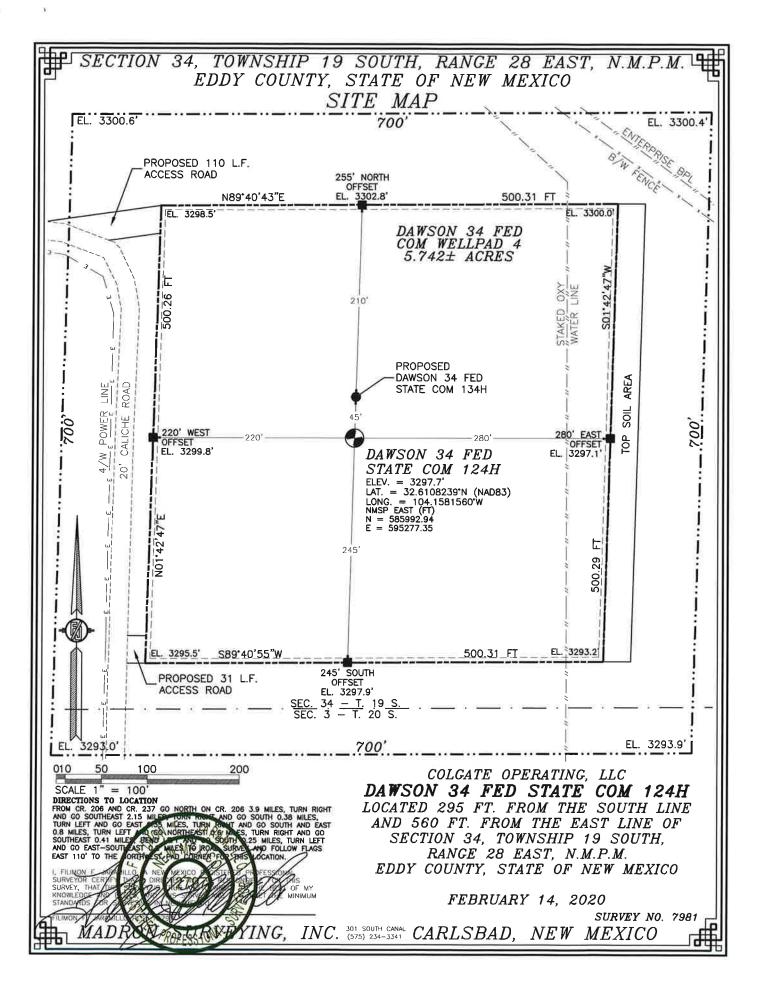
Is this well the defining well for the Horizontal Spacing Unit?

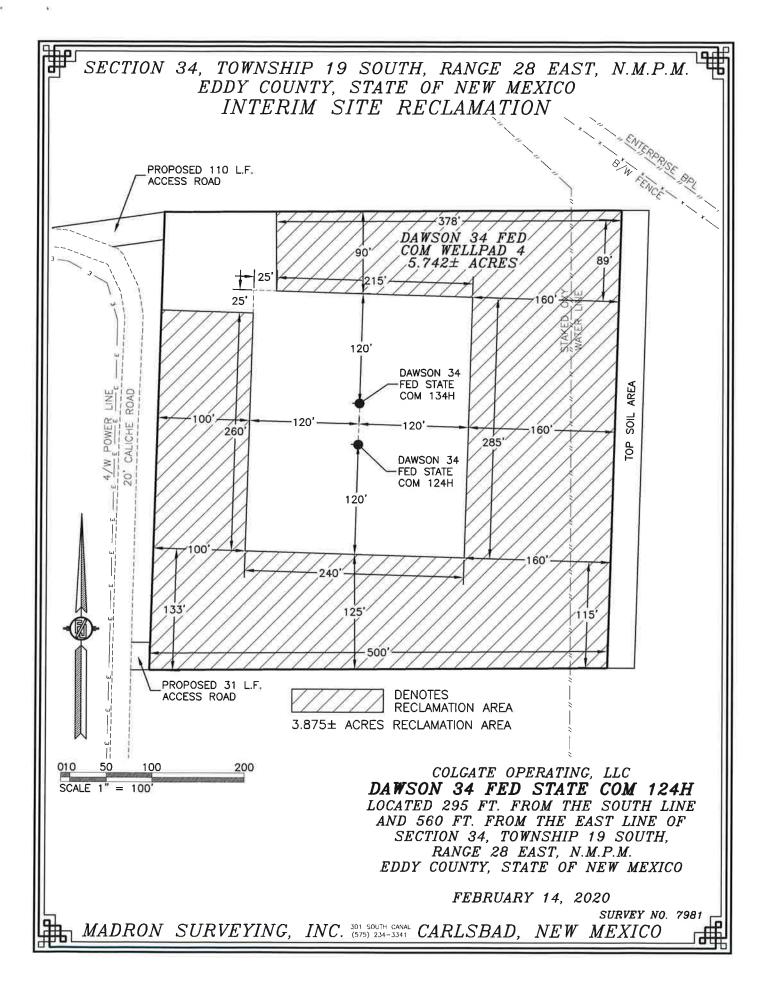
Is this well an infill well?

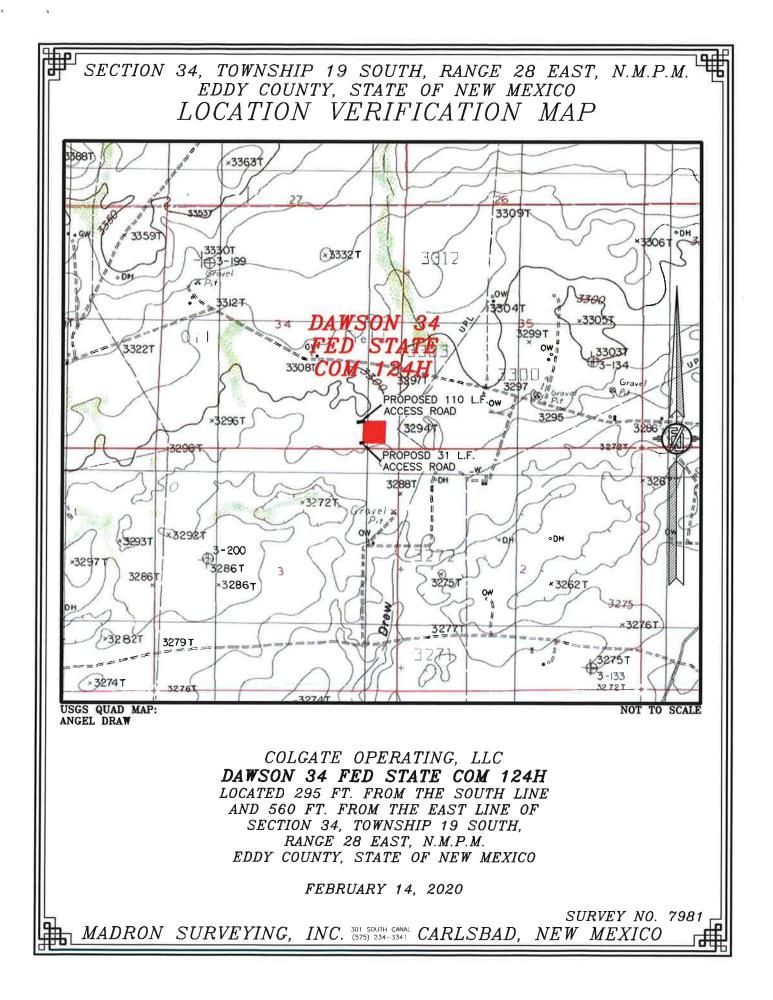
If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

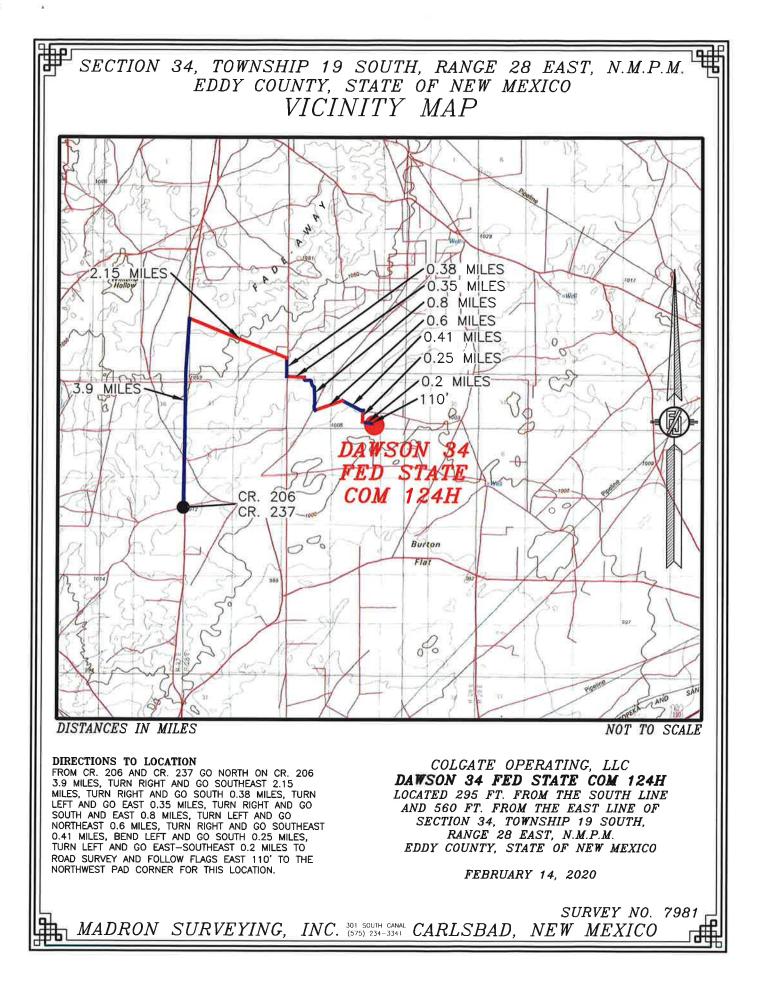
API #		
Operator Name:	Property Name:	Well Number

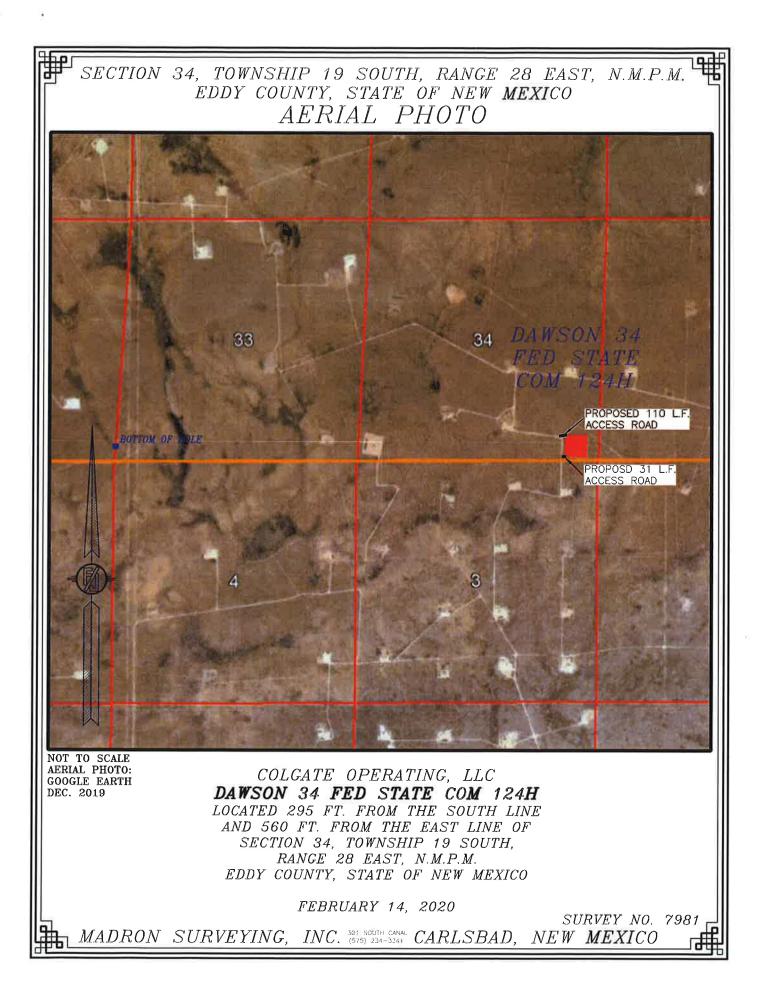
KZ 06/29/2018



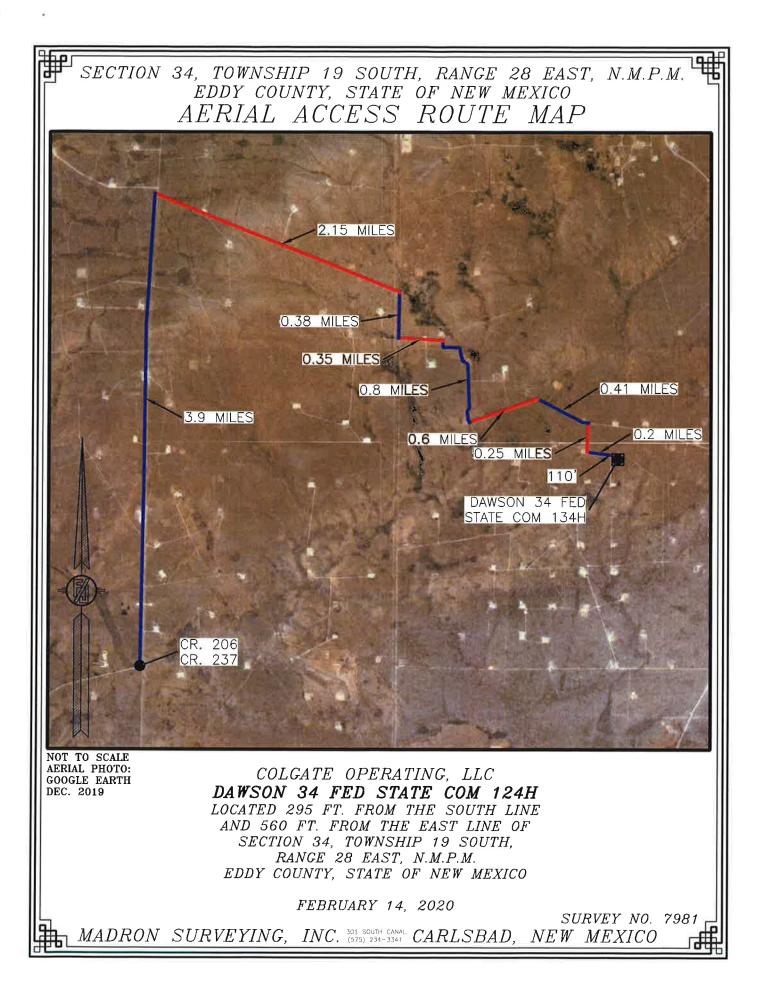


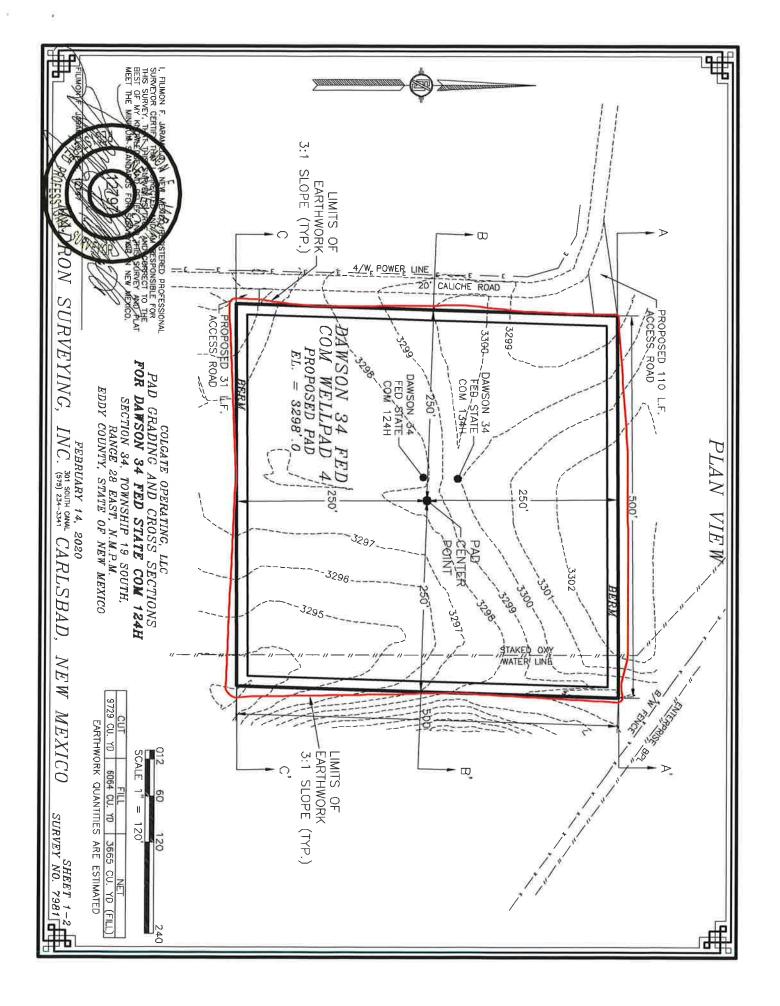




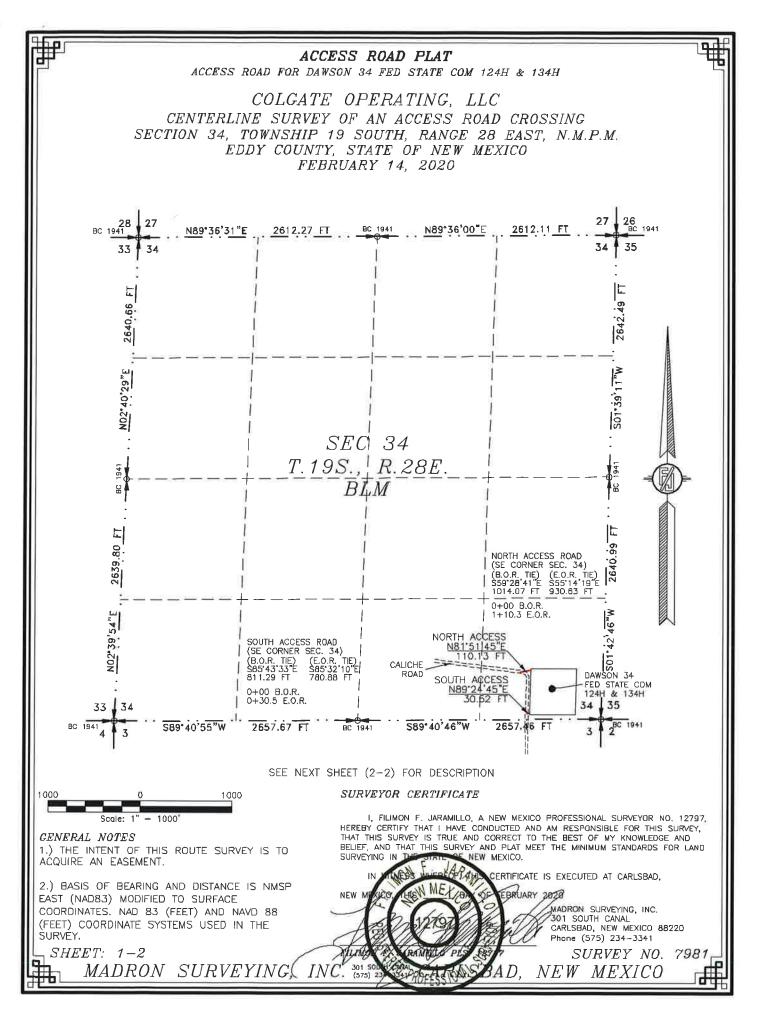


Ex.1pg.024





L. FILIMON F. THIS RECTOR OF MY F BEET OF MY F MEET THE MIN	Teranamananan terana	
ANAMY       VER       COLGATE OPERATING, LLC       012       60       120         ANAMY       ESPONSIBLE FOR       PAD GRADING AND CROSS SECTIONS       SECTION 34, FED STATE CON 124H       SECTIONS       SECTION 34, FED STATE CON 124H         TOP       NEW VEXCO.       SECTION 34, FED STATE CON 124H       SECTION 34, TOWNSHIP 19 SOUTH.       SECTION 12       SCALE 1" = 120 - 1" =         TOP       NEW VEXCO.       EDDY COUNTY, STATE OF NEW MEXICO       FEBRUARY 14, 2020       FEBRUARY 14, 2020       FEBRUARY 14, 2020         FEBRUARY INC, INC. (576) 234-3341       CARLSBAD, NEW MEXICO       SURVEY NO. 7       SURVEY NO. 7	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	CR0SS-SECTIONS
20' VER 20' VER 0 (FILL) 981		



ACCESS ROAD PLAT

ACCESS ROAD FOR DAWSON 34 FED STATE COM 124H & 134H

#### COLGATE OPERATING, LLC CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO FEBRUARY 14, 2020

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

NORTH ACCESS

DISTANCE OF 930.63 FEET;

BEGINNING AT A POINT WITHIN THE SE/4 SE/4 OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., WHENCE THE SOUTHEAST CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS S59'28'41"E, A DISTANCE OF 1014.07 FEET; THENCE N81'51'45"E A DISTANCE OF 110.13 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE SOUTHEAST CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS S55'14'19"E, A

SAID STRIP OF LAND BEING 110.13 FEET OR 6.67 RODS IN LENGTH, CONTAINING 0.076 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 SE/4 110.13 L.F. 6.67 RODS 0.076 ACRES

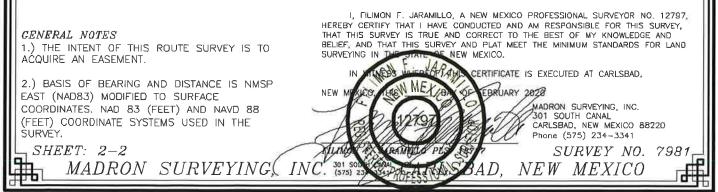
SOUTH ACCESS

BEGINNING AT A POINT WITHIN THE SE/4 SE/4 OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., WHENCE THE SOUTHEAST CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS S85\*43'33"E, A DISTANCE OF 811.29 FEET; THENCE N89\*24'45"E A DISTANCE OF 30.52 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE SOUTHEAST CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS S85\*32'10"E, A DISTANCE OF 780.88 FEET;

SAID STRIP OF LAND BEING 30.52 FEET OR 1.85 RODS IN LENGTH, CONTAINING 0.021 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 SE/4 30.52 L.F. 1.85 RODS 0.021 ACRES

#### SURVEYOR CERTIFICATE



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

12

# 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

· /	API Numbe	r		<sup>2</sup> Pool Code	e	me			
<sup>4</sup> Property (	Code		_	DAV	<sup>5</sup> Property I			e	Well Number 133H
DAWSON 34 FED COM       'OGRID No.     "Operator Name       371449     COLGATE OPERATING, LLC									* Elevation 3304.3
					" Surface	e Location			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Ι	34	19 S	28 E		1505	SOUTH	760	EAST	EDDY
			" B	ottom H	ole Location	If Different Fi	om Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	33	19 S	28 E		1750	SOUTH	10	WEST	EDDY
<sup>12</sup> Dedicated Acre	s <sup>13</sup> Joint	or Infill <sup>14</sup> (	Consolidation	Code			<sup>15</sup> 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.

	"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
NW CORNER SEC. 33 N/4 CORNER SEC. 33 SECTION CORNER N/4 CORNER SEC. 34 NE CORNER SEC. 34 LAT = 32.6247712'N LAT = 32.6244127'N LAT = 32.6244550'N LAT = 32.6244929'N LAT = 32.6245314'N	bottom hole location or has a right to drill this well at this location pursuant to
LONG = 104.1837528 W LONG = 104.1812729 W LONG = 104.1727933 W LONG = 104.1643165 W LONG = 104.1558342 W	a contract with an owner of such a mineral or working interest, or to a
NMSP EAST (FT) NMSP E	voluntary pooling agreement or a compulsory pooling order heretofore entered
E = 585541.53 $E = 568152.20$ $E = 590760.93$ $E = 593372.50$ $E = 595983.91$	by the division
N89'35'22"E 2611.38 FT N89'34'38"E 2609.43 FT N89'36'31"E 2612.27 FT N89'36'00"E 2612.11 FT	
E	
	Signature Date
99 99 99 99 99 99 99 99 99 99 99 99 99	
8 SEC 33 8 8 SEC 34 8	Printed Name
W/A CORNER SEC. 33 UAT = 32.6171414N LAT = 32.6172067N DAWSON 34 FED LAT = 32.6172730N	
LONG = 104.1732124 STATE COM 133H LONG = 104.1560961W B	
NMSP EASI (T1) N = 588250.7.74 LAT. = 32.6141473'N (NAD83) N = 588340.22	E-mail Address
E = 585372.29 LAST TAKE POINT $E = 590637.73$ LONG = 104.158681.6W $E = 595907.70$	
N = 587201.75	<b>SURVEYOR CERTIFICATION</b>
LUNG. = 104.1901/// W	
10' BOTTOM OF HOLE	I hereby certify that the well location shown on this plat was
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	plotted from field notes of actual surveys made by me or under
4 7 N = 587392.15	my supervision, and that the same is true and correct to the
E = 585325.24	best of my belief.
589'41'20"W 2657.33 FT S89'40'24"W 2656.81 FT 589'40'55"W 2657.67 FT S89'40'46"W 2657.46 FT	FEBRUARY 19, 2020
SW CORNER SEC. 33 S/4 CORNER SEC. 33 SECTION CORNER S/4 CORNER SEC. 34 SE CORNER SEC. 34	Date of Survey
LAT. = 32.6099003'N LAT. = 32.6099298'N LAT. = 32.6099608'N LAT. = 32.6099001'N LAT. = 32.60099001'N LAT. = 32.6009001'N LAT. = 32.6000001'N LAT. = 32.6000000'N LAT. = 32.60000'N LAT. = 32.6000'N LAT. = 32.6000'N LAT. = 32.6000'N N LAT. = 32.6000'N N LAT. = 32.6000'N N LAT. = 32.6000'N	AND NEXX //
NMSP EAST (FT) NMSP EAST (FT) NMSP EAST (FT) NMSP EAST (FT)	- AN BARACK
N = 585641.87 N = 585656.30 N = 5856701.06 E = 585202.25 E = 587858.90 E = 590515.02 E = 593172.01 E = 595828.78	NAVI 1 HON NAVI
	Signature and Seal of Indigeneral Security or:
	Certificate Number: ARAMALO, PS 12797
	PROFESSUR NO. 7984



Intent As Drilled		
API #		
Operator Name:	Property Name:	Well Number
COLGATE OPERATING, LLC	DAWSON 34 FED COM	133H

#### Kick Off Point (KOP)

 ${\bf r}_{\rm c} \stackrel{\rm SC}{\rightarrow}$ 

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitu	de			· · · · · · · · · · · · · · · · · · ·	Longitude				NAD

## First Take Point (FTP)

UL I	Section 34	Township 19S	Range 28E	Lot	Feet 1750	From N/S SOUTH	Feet 100	From E/W EAST	County EDDY
	Latitude				Longitude				NAD
32.6	32.6148277				104.1565	5122	83		

#### Last Take Point (LTP)

UL L	Section 33	Township 19S	Range 28E	Lot	Feet 1750	From N/S SOUTH	Feet 100	From E/W	County EDDY	
Latit	Latitude					de		NAD		
32.0	32.6147118					104.1901777			83	

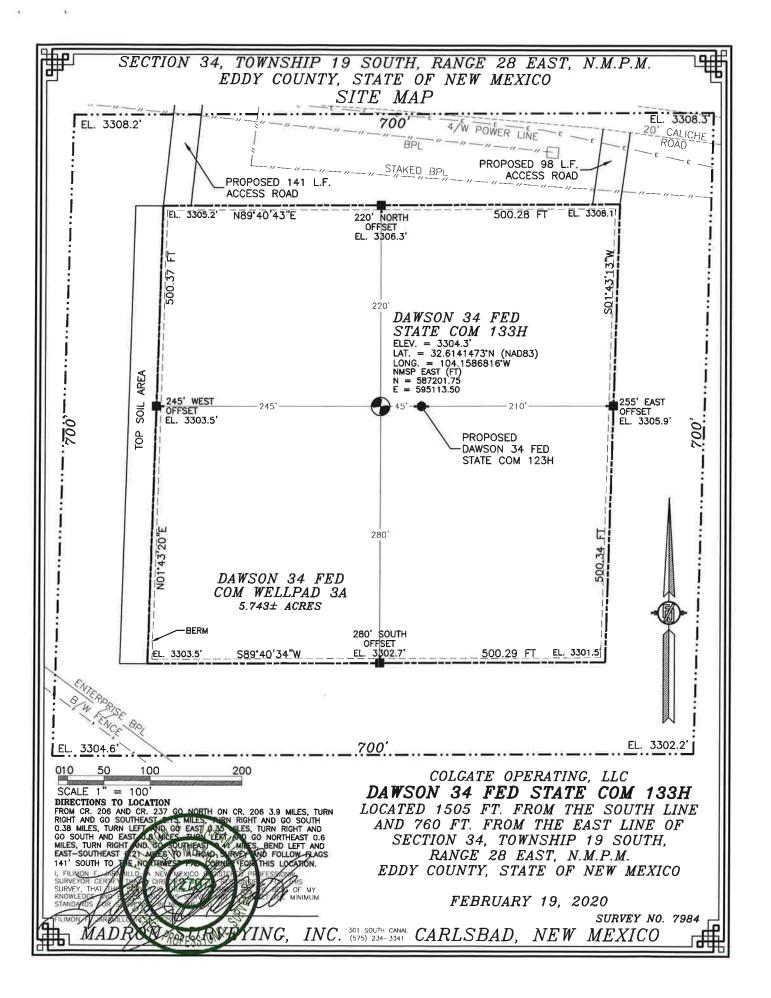
Is this well the defining well for the Horizontal Spacing Unit?

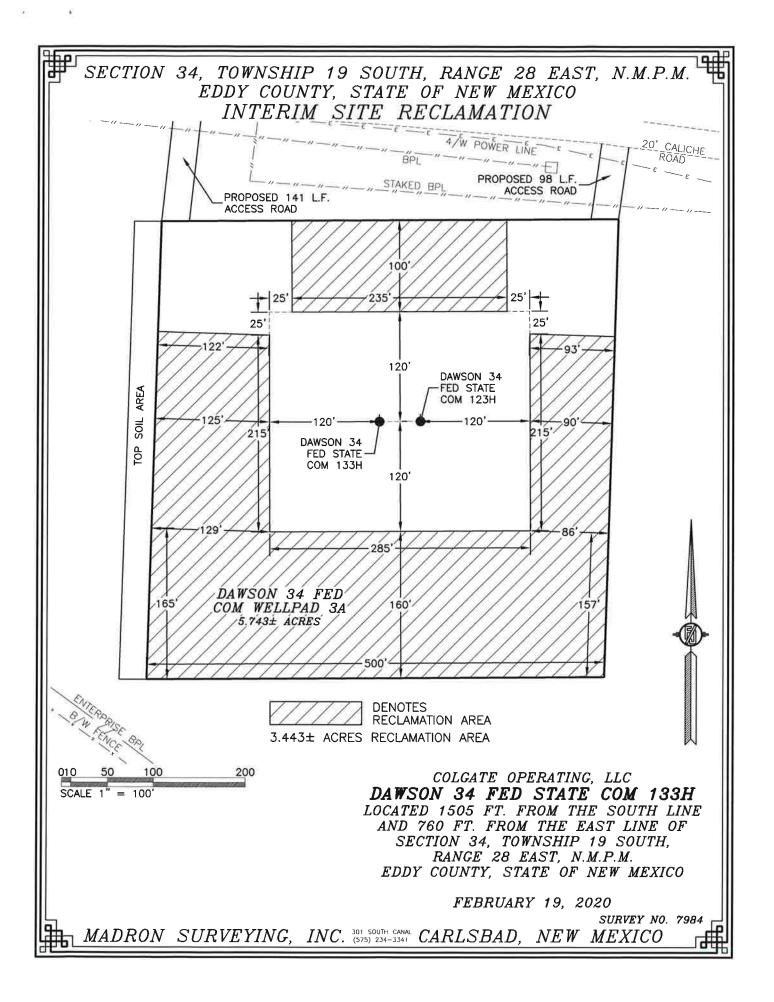
Is this well an infill well?

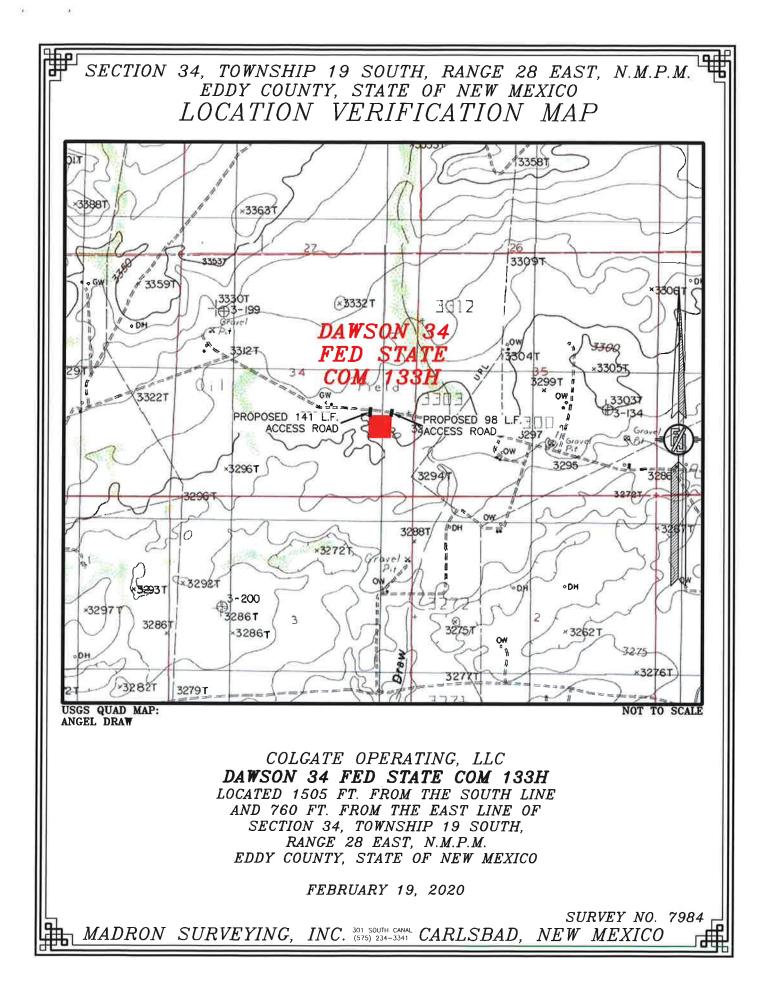
If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

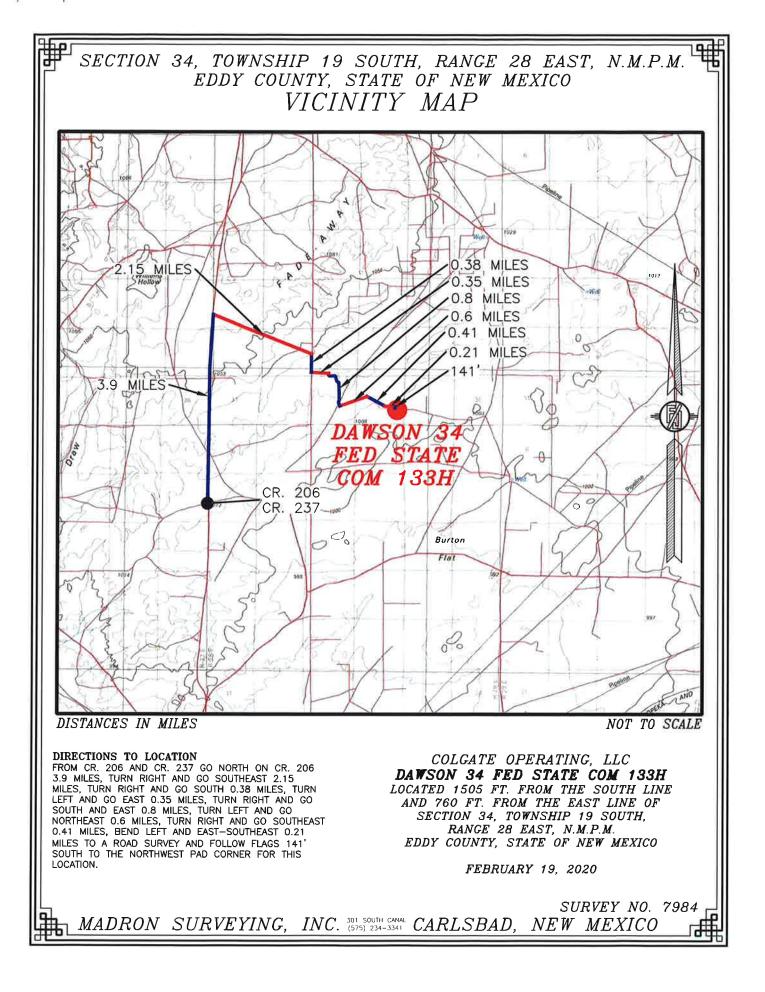
API #		
Operator Name:	Property Name:	Well Number

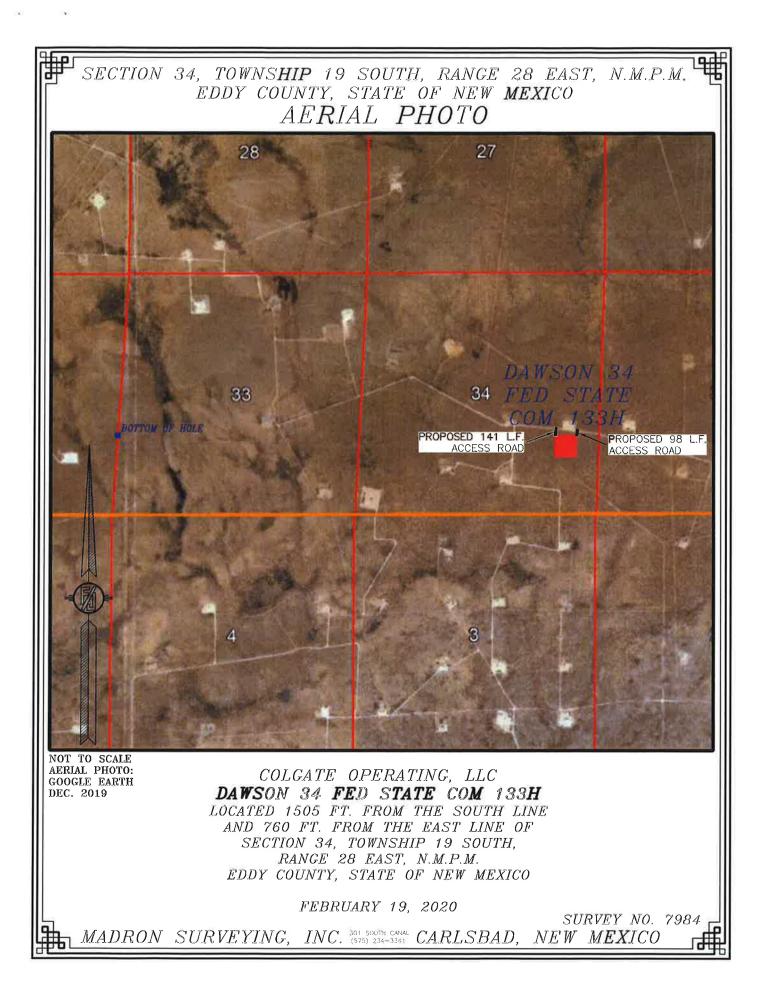
KZ 06/29/2018

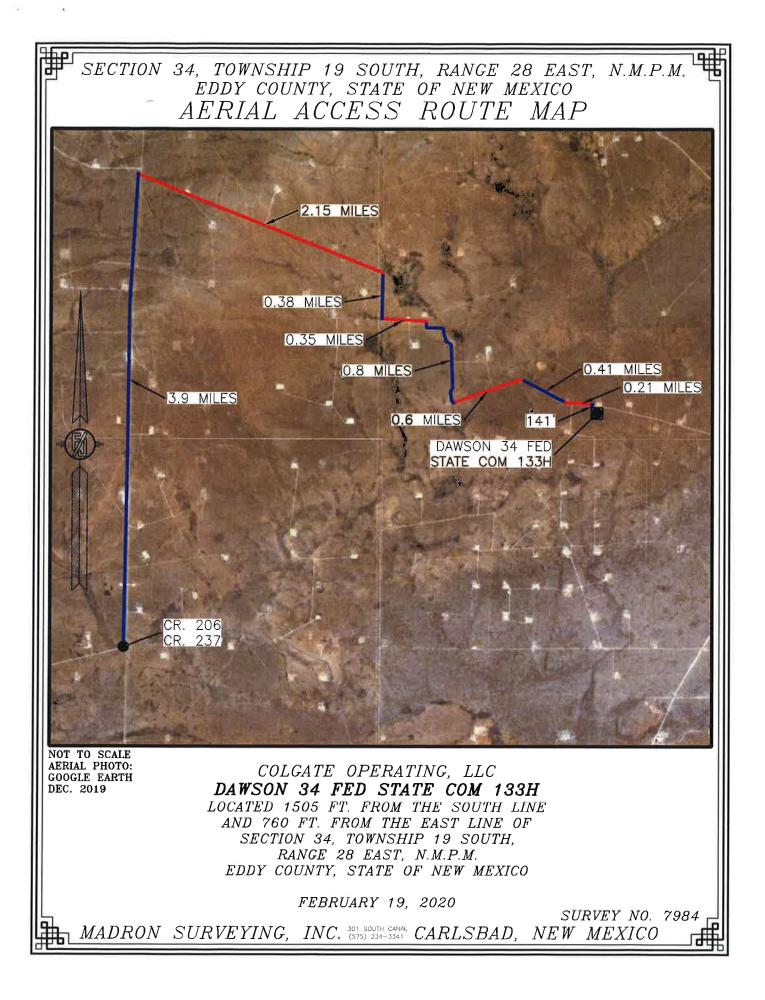


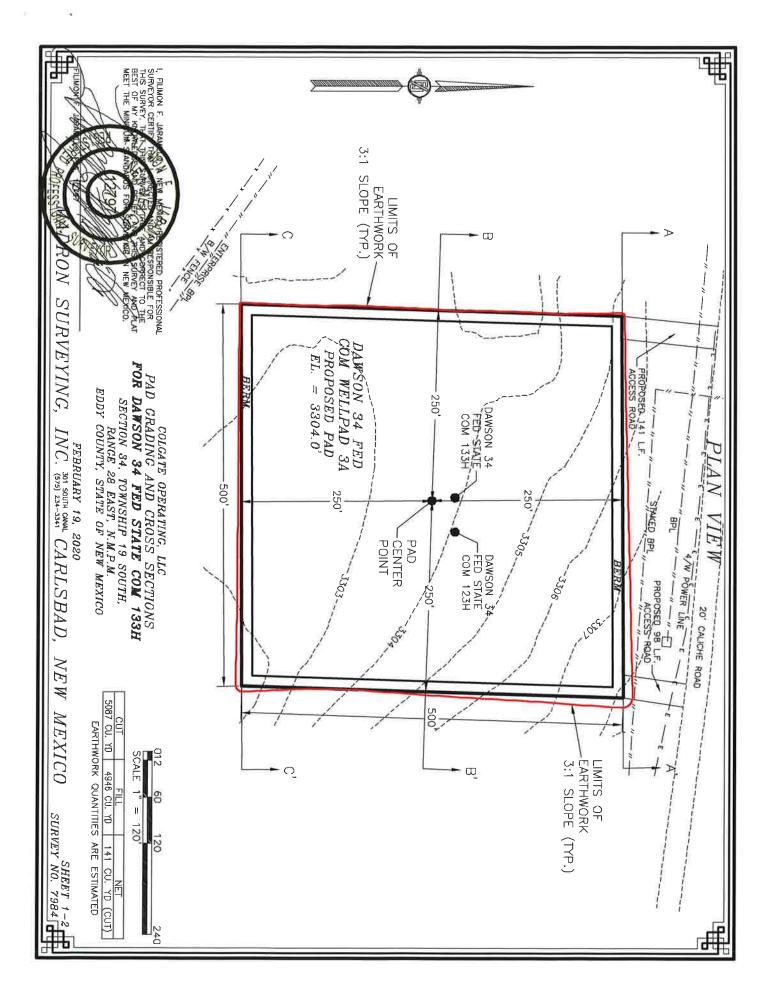


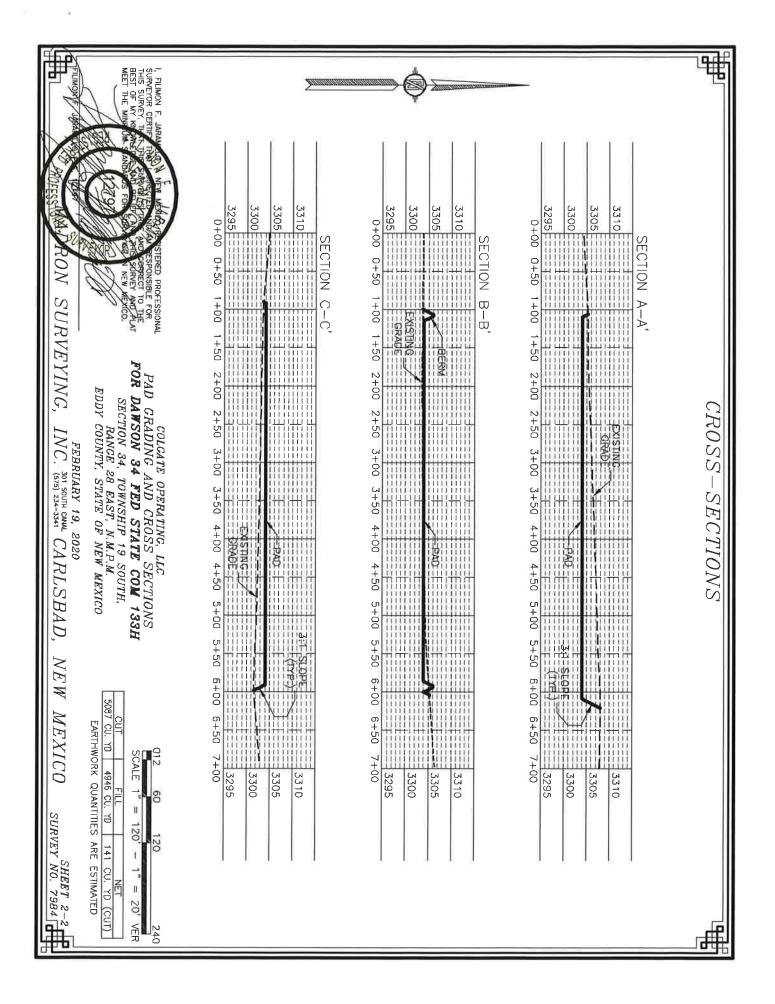


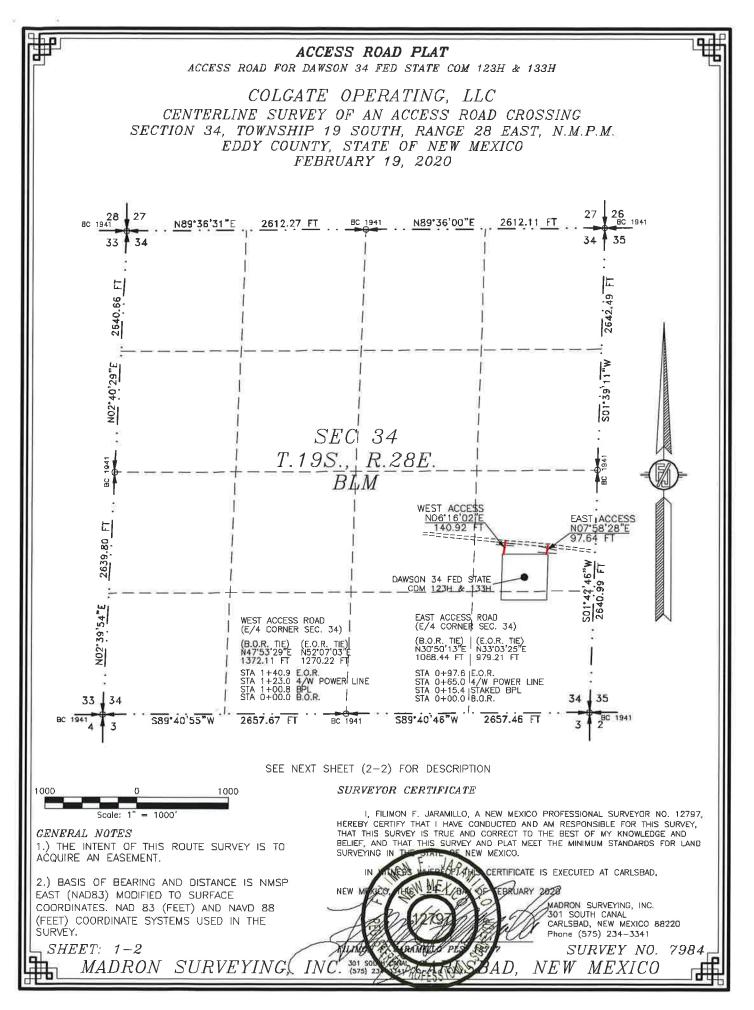












ACCESS ROAD FOR DAWSON 34 FED STATE COM 123H & 133H

COLGATE OPERATING, LLC CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO FEBRUARY 19, 2020

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

WEST ACCESS

BEGINNING AT A POINT WITHIN THE NE/4 SE/4 OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., WHENCE THE EAST QUARTER CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS N47'53'29"E, A DISTANCE OF 1372.11 FEET; THENCE NO6'16'02"E A DISTANCE OF 140.92 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE EAST QUARTER CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS N52'07'03"E, A DISTANCE OF 1270.22 FEET;

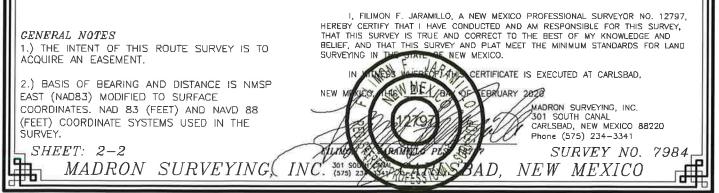
SAID STRIP OF LAND BEING 140.92 FEET OR 8.54 RODS IN LENGTH, CONTAINING 0.097 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 SE/4 140.92 L.F. 8.54 RODS 0.097 ACRES

EAST ACCESS BEGINNING AT A POINT WITHIN THE NE/4 SE/4 OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., WHENCE THE EAST QUARTER CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS N30'50'13"E, A DISTANCE OF 1068.44 FEET; THENCE N07'58'28"E A DISTANCE OF 97.64 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE EAST QUARTER CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS N33'03'25"E, A DISTANCE OF 979.21 FEET;

SAID STRIP OF LAND BEING 97.64 FEET OR 5.92 RODS IN LENGTH, CONTAINING 0.067 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 SE/4 97.64 L.F. 5.92 RODS 0.067 ACRES



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 API Number <sup>2</sup> Pool Code <sup>3</sup> Pool Name <sup>4</sup> Property Code **Property Name** Well Number **DAWSON 34 FED COM** 134H <sup>7</sup>OGRID No. <sup>8</sup> Operator Name Elevation 371449 **COLGATE OPERATING, LLC** 3299.9 Surface Location UL or lot no. Section Township Range Lot Idn North/South line Feet from the Feet from the East/West line County P 34 19 S **28E** 340 SOUTH 560 EAST **EDDY** " 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 Μ 33 19 S 28 E 430 SOUTH WEST 10 EDDY 12 Dedicated Acres <sup>13</sup> Joint or Infill <sup>14</sup> Consolidation Code <sup>15</sup> 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.

	CODED A TOD ODD THUR A TRON
	" 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
NW CORNER SEC. 33 N/4 CORNER SEC. 33 SECTION CORNER N/4 CORNER SEC. 34 NE CORNER SEC. 34	bottom hole location or has a right to drill this well at this location pursuant to
LAT. = 32.62437121N LAT. = 32.6244127N LAT. = 32.6244501N LAT. = 32.6244501N LAT. = 32.6244929N LAT. = 32.6245314'N LONG. = 104.1897528W LONG. = 104.1812729'W LONG. = 104.1727993'W LONG. = 104.1643165'W LONG. = 104.1558342'W	a contract with an owner of such a mineral or working interest, or to a
NMSP EAST (FT) NMSP E	voluntary pooling agreement or a compulsory pooling order heretofore entered
E = 585541.53 $E = 588152.20$ $E = 590760.93$ $E = 593372.50$ $E = 595983.91$	by the division.
N89'35'22"E 2611.38 FT N89'34'38"E 2609.43 FT N89'36'31"E 2612.27 FT N89'36'00"E 2612.11 FT	
E   E	
	Signature Date
59 99 99 80 87 87 87 87 87 87 87 87 87 87 87 87 87	
	Printed Name
W/4 CORNER SEC. 33 OUARTER CORNER LAT. = 32.6171414 N LAT. = 32.6172067 N DAWSON 34 FED LAT. = 32.6172730 N	
PLONG = 104.1903140W LONG = 104.1732124W STATE COM 134H LONG = 104.1560961W P	
N = 58237.74 LAT. = 32.6109475 N (NAD83) N = 588307.74	E-mail Address
$ \begin{bmatrix} E = 585372.29 \\ 430' \text{ FSL}, 100' \text{ FWL} \end{bmatrix} = \begin{bmatrix} E = 5906337.73 \\ NMSP \text{ EAST } (FT) \end{bmatrix} = \begin{bmatrix} E = 595907.70 \\ NMSP \text{ EAST } (FT) \end{bmatrix} $	
N = 586037.92	<b>SURVEYOR CERTIFICATION</b>
	I hereby certify that the well location shown on this plat was
LAI. = 52.6110823 N #1 430 FSL 100 FEL FTP-1 N	plotted from field potent of anti-al managements by managements
LONG         E 104.1907531 W         Mag         LAT.         = 32.6111998 N         FTP           BOTTOM         NMSP EAST (TT)         IONG.         = 104.1566475 W         IONG.         = 104.1566475 W           OF         HOLE N         = 58671.97         IONG.         = 104.1566475 W         IONG.         = IOA.1566475 W           UTP         E         = 585240.03         IONG.         = IOA.1566475 W         IOCATION	plotted from field notes of actual surveys made by me or under
OF HOLE N = 58607.97	my supervision, and that the same is true and correct to the
LTP LOCATION	best of my belief.
	FEBRUARY 14, 2020
589'41'20"W 2657.33 FT S89'40'24"W 2656.81 FT S89'40'55"W 2657.67 FT S89'40'46"W 2657.46 FT	
SW CORNER SEC. 33 S/4 CORNER SEC. 33 SECTION CORNER S/4 CORNER SEC. 34 SE CORNER SEC. 34 LAT. = 32.6099003'N LAT. = 32.6099298'N LAT. = 32.6099608'N LAT. = 32.6099901'N LAT. = 32.6100191'N	Date of Survey
LONG = 104.1908777'W LONG = 104.1822499'W LONG = 104.1736238'W LONG = 104.1649949'W LONG = 104.1563667'W	- A A A A
NMSP EAST (FT) NMSP E	A MANTER AND
E = 585202.25 E = 587858.90 E = 590515.02 E = 593172.01 E = 595828.78	12/2012/2010
	Signature and Seal of Protestional Sugaror:
	Certificate Number: JARANGLO PS 12797
	PROFESSION NO. 7982
	10/ E0000 110. 1982
	J. J



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Intent As Drilled		
API #		
Operator Name:	Property Name:	Well Number
COLGATE OPERATING, LLC	DAWSON 34 FED COM	134H

### Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitu	de				Longitude				NAD

## First Take Point (FTP)

UL P	Section 34	Township 19S	Range 28E	Lot	Feet <b>430</b>	From N/S SOUTH	Feet 100	From E/W EAST	County EDDY
Latitu	Latitude						NAD		
32.6	32.6111998				104.1566	6475	83		

### Last Take Point (LTP)

UL M	Section 33	Township 19S	Range 28E	Lot	Feet 430	From N/S SOUTH	Feet 100	From E/W	County EDDY	
Latitu	Latitude					de		NAD		
32.6	32.6110834				104.1	904602		83		

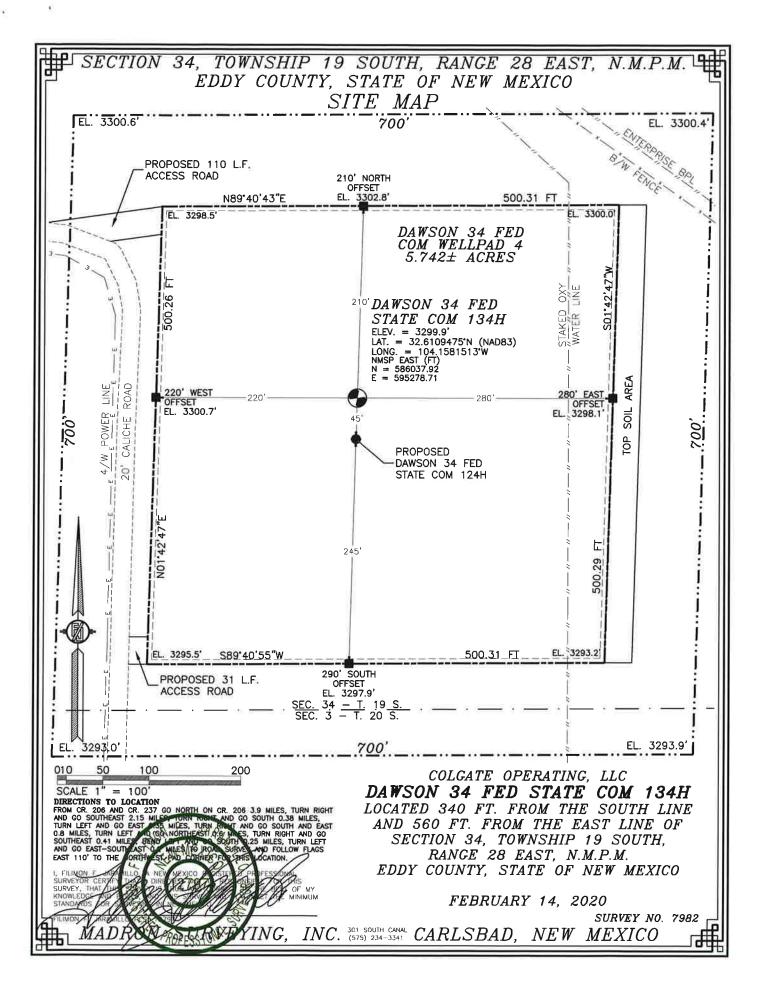
Is this well the defining well for the Horizontal Spacing Unit?

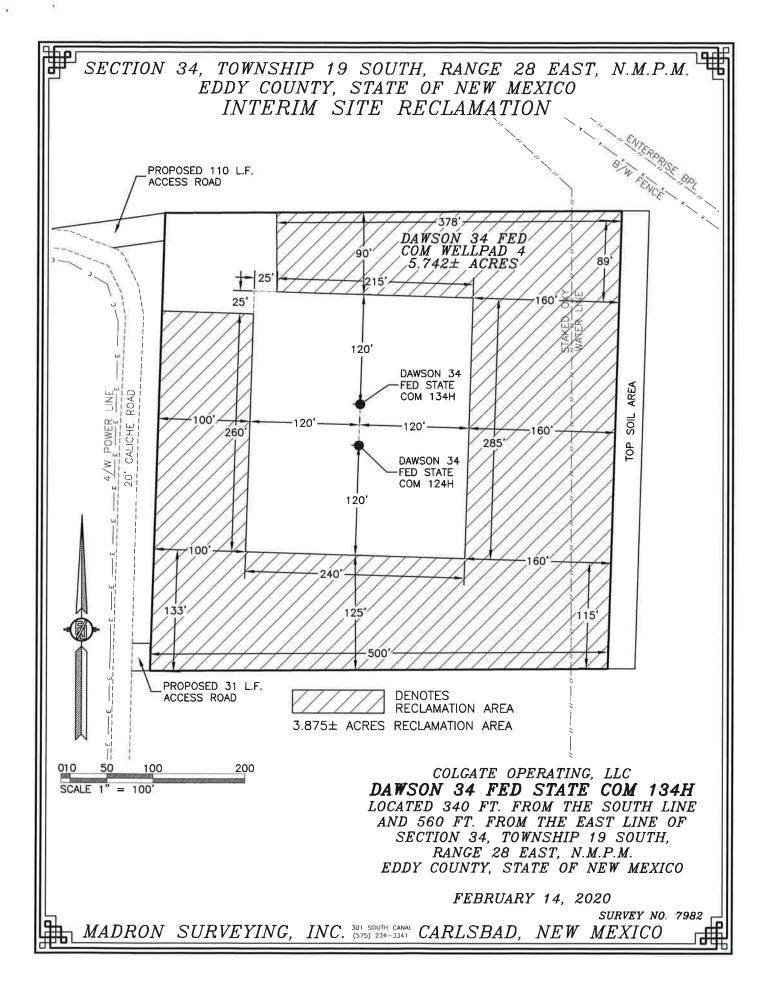
Is this well an infill well?

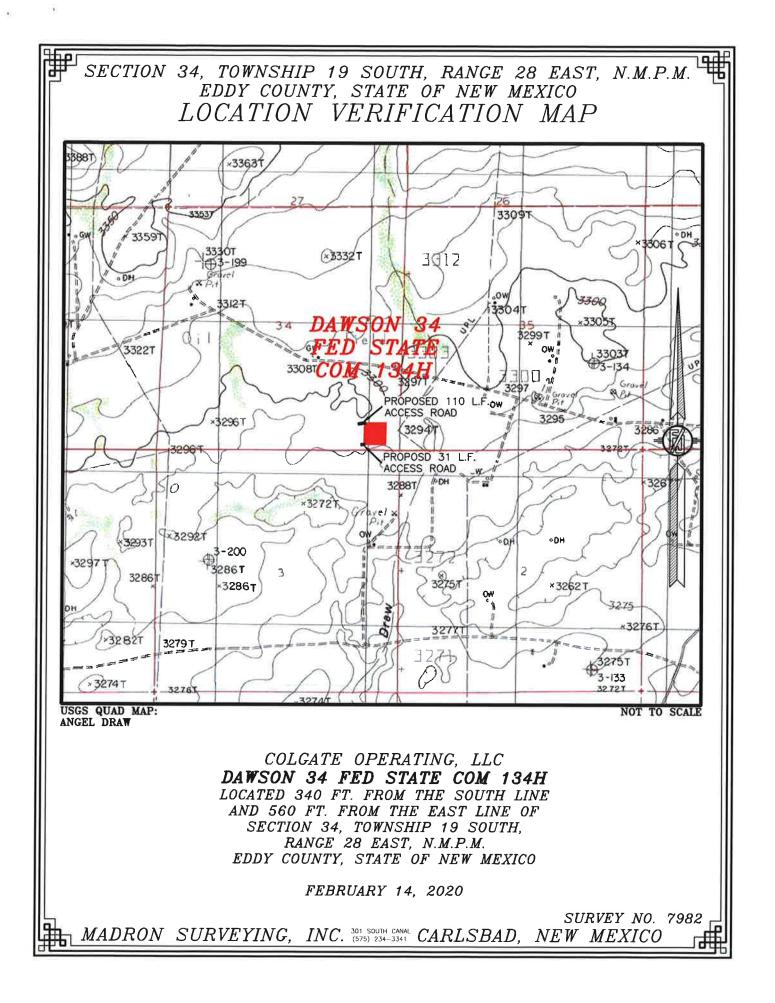
If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

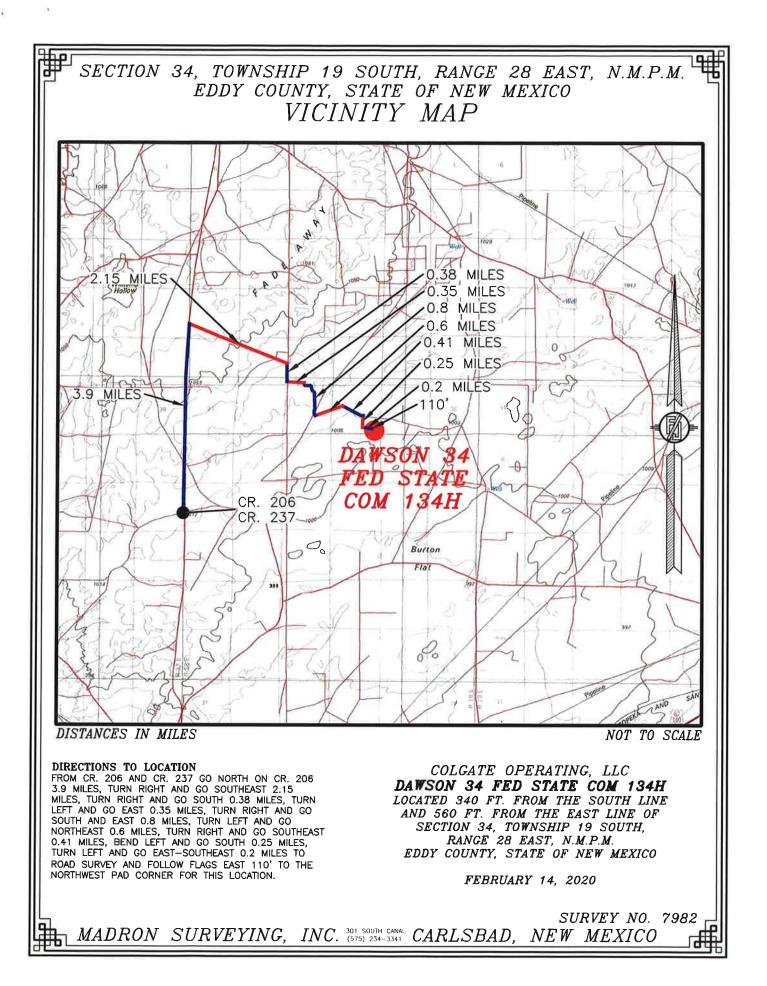
API #		
Operator Name:	Property Name:	Well Number
		1/7 ac /ac /ac /ac /ac /ac /ac /ac /ac /ac

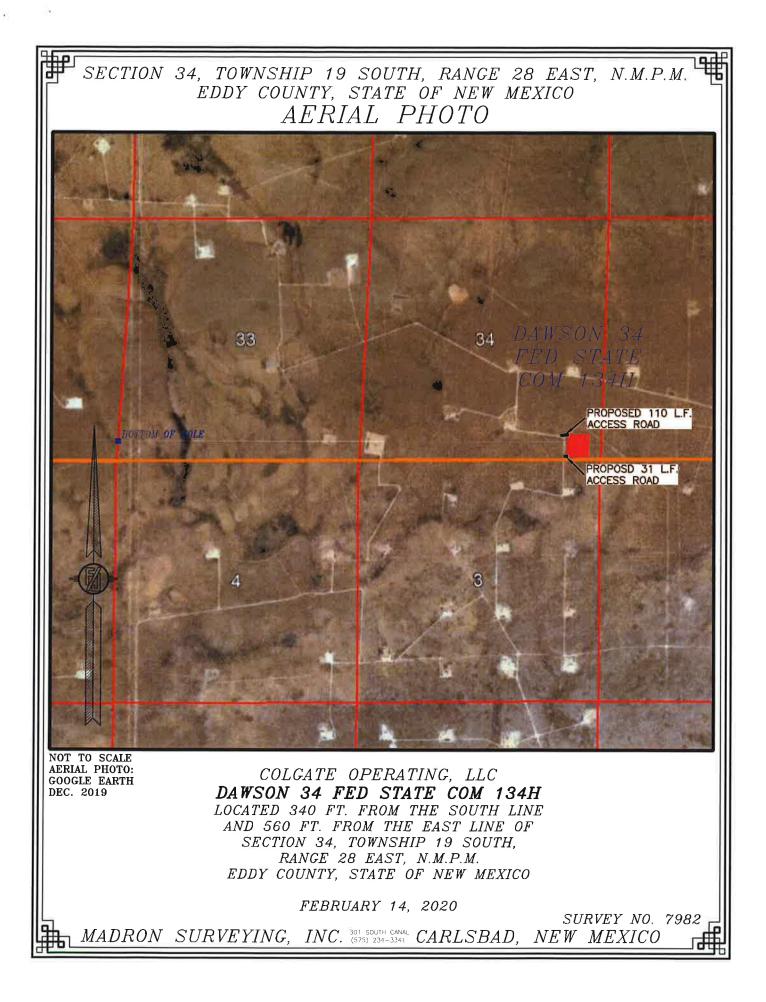
KZ 06/29/2018



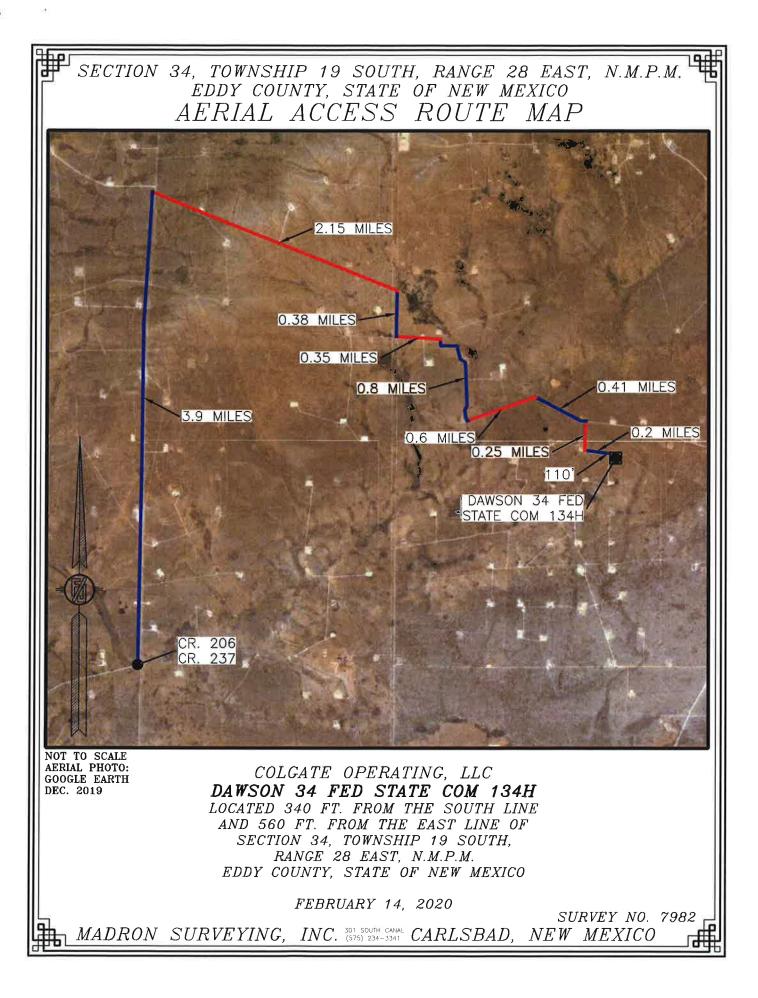


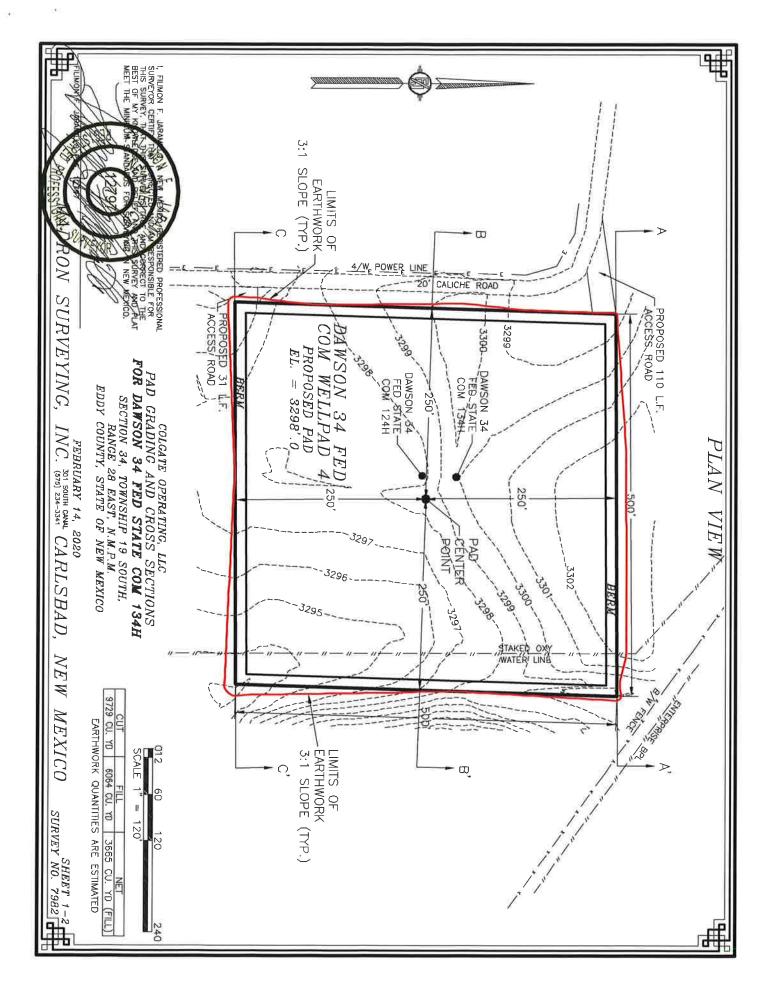




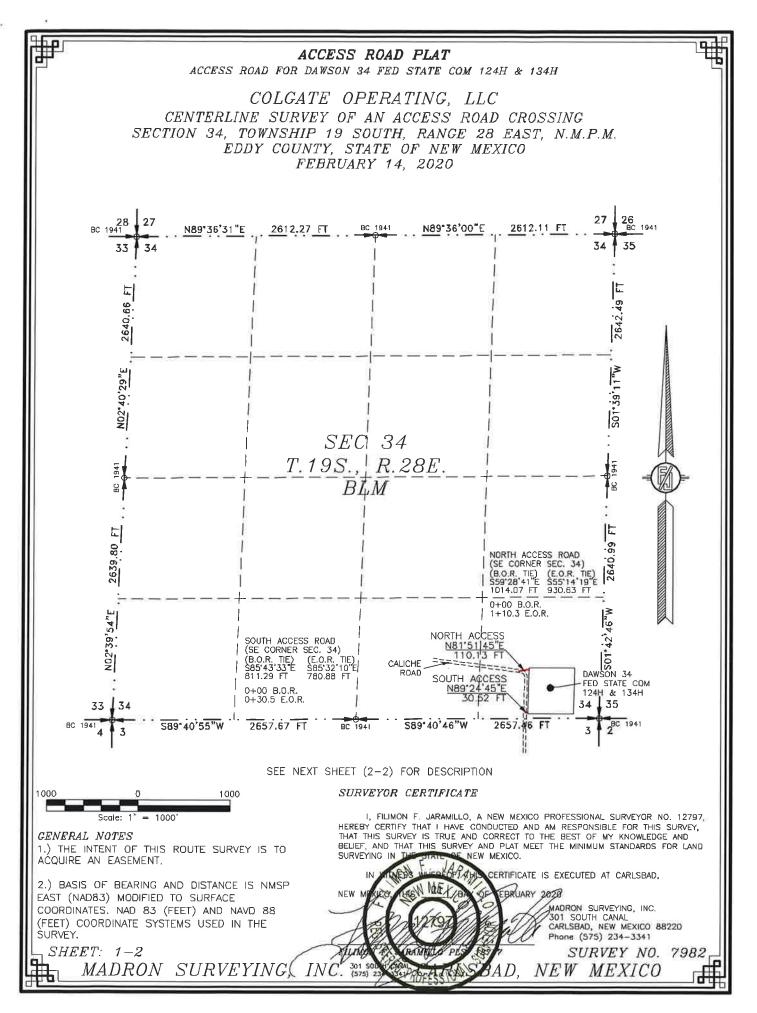


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I, FILIMON F. JARA SHURKEYOR CERTIFI THIS STOR MY KN MEET THE MINUT		
COLGATE OPERATING, LLC PAD GRADING AND CROSS SECTIONS FOR DAWSON 34 FED STATE CON 134H SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO FEBRUARY 14, 2020 FEBRUARY 14, 2020 FEB	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	CR0SS-SECTIONS
20' VER 20' VER 760 782		



ACCESS ROAD FOR DAWSON 34 FED STATE COM 124H & 134H

COLGATE OPERATING, LLC CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO FEBRUARY 14, 2020

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

NORTH ACCESS

BEGINNING AT A POINT WITHIN THE SE/4 SE/4 OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., WHENCE THE SOUTHEAST CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS S59"28'41"E, A DISTANCE OF 1014.07 FEET; THENCE N81"51'45"E A DISTANCE OF 110.13 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE

SOUTHEAST CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS S55'14'19"E, A DISTANCE OF 930.63 FEET;

SAID STRIP OF LAND BEING 110.13 FEET OR 6.67 RODS IN LENGTH, CONTAINING 0.076 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 SE/4 110.13 L.F. 6.67 RODS 0.076 ACRES

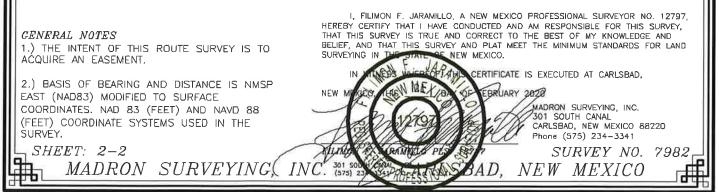
SOUTH ACCESS

BEGINNING AT A POINT WITHIN THE SE/4 SE/4 OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., WHENCE THE SOUTHEAST CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS S85'43'33"E, A DISTANCE OF 811.29 FEET;

THENCE N89"24'45"E A DISTANCE OF 30.52 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE SOUTHEAST CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS S85"32'10"E, A DISTANCE OF 780.88 FEET;

SAID STRIP OF LAND BEING 30.52 FEET OR 1.85 RODS IN LENGTH, CONTAINING 0.021 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 SE/4 30.52 L.F. 1.85 RODS 0.021 ACRES



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

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# 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

<sup>4</sup> Property Code	le						<sup>3</sup> Pool Name					
					<sup>s</sup> Property Name					° Well Number		
		SHAMROCK 34 FED STATE COM										
<sup>7</sup> OGRID No.					<sup>8</sup> Operator	Name				<sup>9</sup> Elevation		
371449			COLGATE OPERATING, LLC 3317.7									
					• Surface	e Location						
UL or lot no. S	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County		
D	35	19 S	28 E		700	NORTH	330	WES	ST	EDDY		
			" B	ottom H	ole Location	If Different Fr	om Surface					
UL or lot no. S	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County		
D	33	<b>19 S</b>	28 E		990	NORTH	10	WES	ST	EDDY		
12 Dedicated Acres	<sup>13</sup> Joint a	or Infill 14 (	Consolidation	Code	<sup>15</sup> 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.

NW CORNER SEC. 3.3         SECTION CORNER         SECTION CORNER         NE CORNER SEC. 3.5           LAT. = 32.62453712N         LAT. = 32.62453712N         LAT. = 32.6245314N         LAT. = 32.6245396N           UNC. = 104.1997263W         LONG. = 104.1997263W         LONG. = 104.1997263W         LONG. = 104.1997263W           NNSP EAST (FT)         NMSP EXST (FT)         NMSP EXST (FT)         NMSP EXST (FT)         NMSP EXST (FT)           N = 500006.9.3         M4 CORNER SEC. 3.3         E = 500344.69         N = 500006.7         N = 500006.7           LOR. = 104.118728W         LONG. = 104.118728W         LONG. = 104.118728W         LONG. = 104.1195.10         N = 500006.7           LOR. = 104.118728W         LONG. = 104.118728W         LONG. = 104.118728W         LONG. = 104.118728W         LONG. = 104.118728W           LONG. = 104.118728W         LONG. = 104.118728W         LONG. = 104.118728W         LONG. = 104.118728W         LONG. = 104.118728W           MASP EXST (FT)         N = 500027.31         N = 500027.31         N = 500086.76         E = 500530.39         E = 500530.30           MASP EXST (FT)         N = 500287.23         N = 500287.23         N = 500287.24         LONG. = 104.152.317         LONG. = 104.152.317         LONG. = 104.152.317         LONG. = 104.152.317         LONG. = 104.154.312 W         LONG. = 104.154.312 W         LONG. = 104.154.	POPERATOR 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     vobuntary pooling agreement or a compulsory pooling order heretofore entered     by the division.     Signature     Date     Frinted Name     E-mail Address
IAT         = 32.6244797 N         IAT         = 32.6244797 N         IAT         = 32.6244797 N           LORK         = 104.1817289 W         LORK         = 104.181868 W         LORK         = 104.181868 W         LORK         = 104.1718078 N           MARP EXST (T7)         MARP EXST (T7)         N         = 500082733         N         = 50008676           H = 5002541         N         = 500082733         N         = 50008273         N         = 50008676           E         = 508192.20         E         = 503372.50         E         = 508192.20         E         = 508192.20           MARP EXST 750         F         H09.34/38T 2009.41 FT         H09.35/31T 2017.27 FT         H09.35/31T 2009.41 FT         H09.35/31T 2009.41 FT           OF         H01.E         LAST TAKE POINT         E         FIRST TAKE POINT         FIRST FIAL POINT	Printed Name

Intent As Drilled		
API #		
Operator Name:	Property Name:	Well Number
COLGATE OPERATING, LLC	SHAMROCK 34 FED STATE COM	121H

## Kick Off Point (KOP)

1.5

10

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitu	de				Longitude				NAD

### First Take Point (FTP)

UL A	Section 34	Township 19S	Range 28E	Lot	Feet 990	From N/S NORTH	Feet 100	From E/W	County EDDY
Latitu	Latitude				Longitude		NAD		
32.6	32.6218089			104.1562	2573	83			

## Last Take Point (LTP)

UL D	Section 33	Township 19S	Range 28E	Lot	Feet 990	From N/S NORTH	Feet 100	From E/W	County EDDY	
Latitude					Longitud	Je		NAD		
32.6216512					104.1	896385		83		

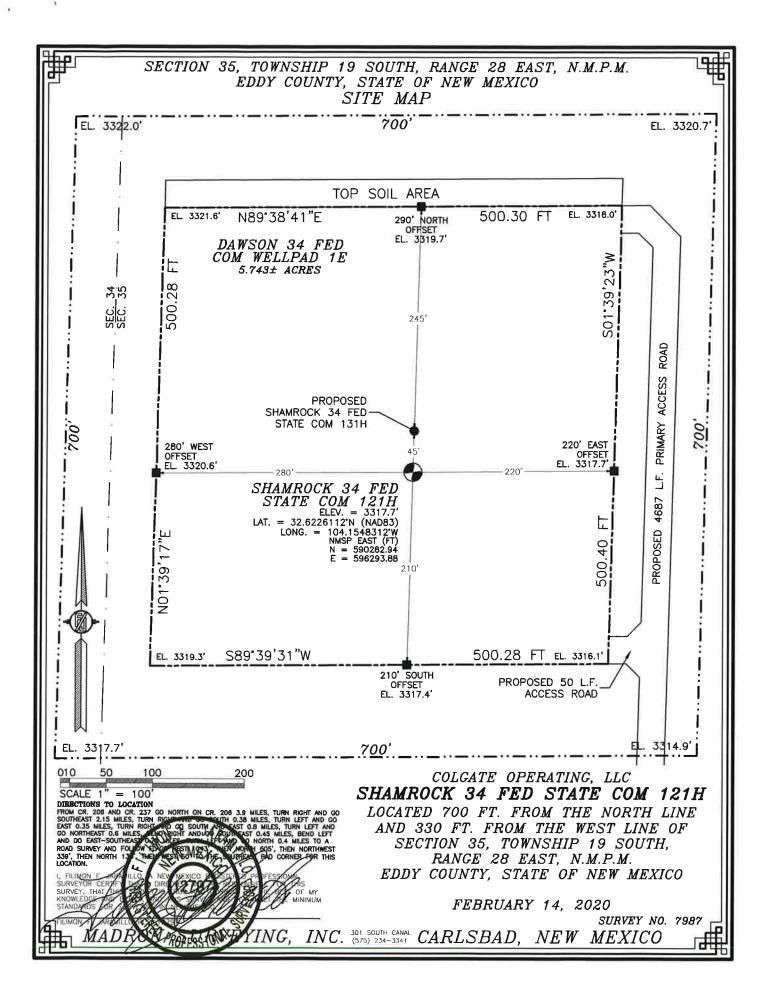
Is this well the defining well for the Horizontal Spacing Unit?

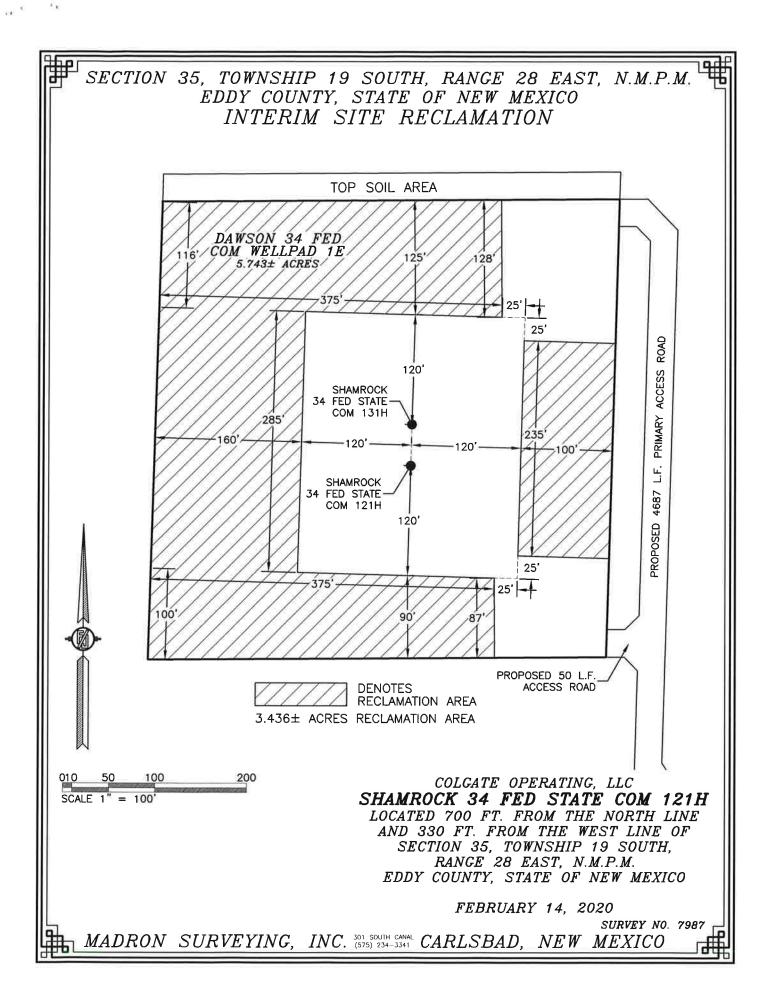
Is this well an infill well?

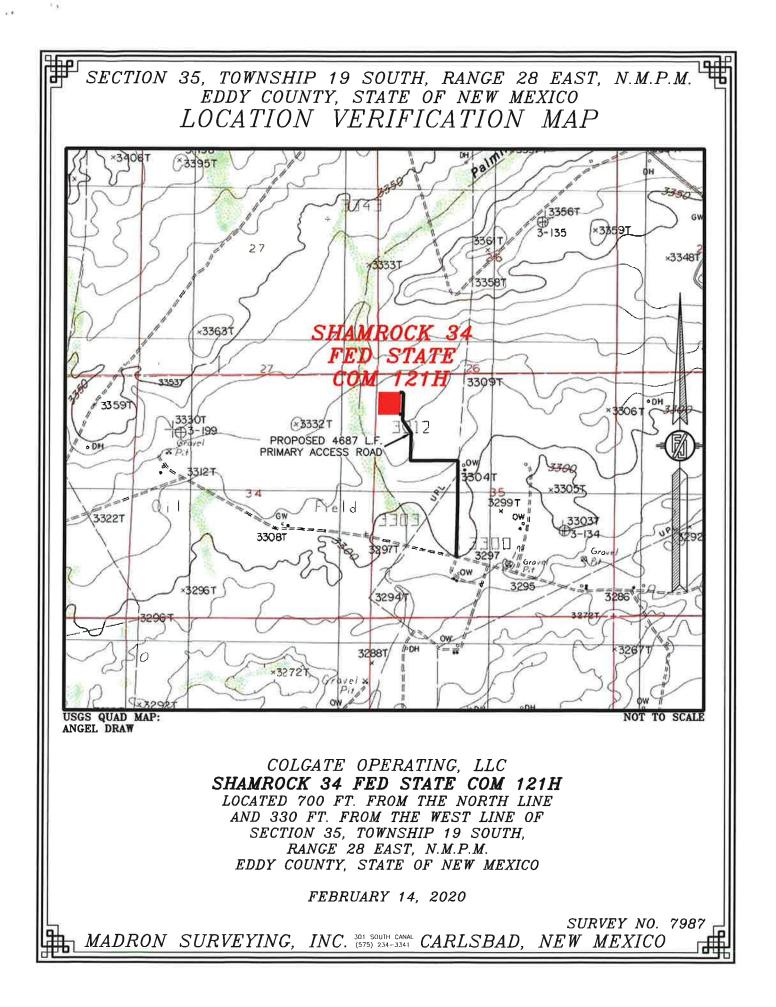
If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

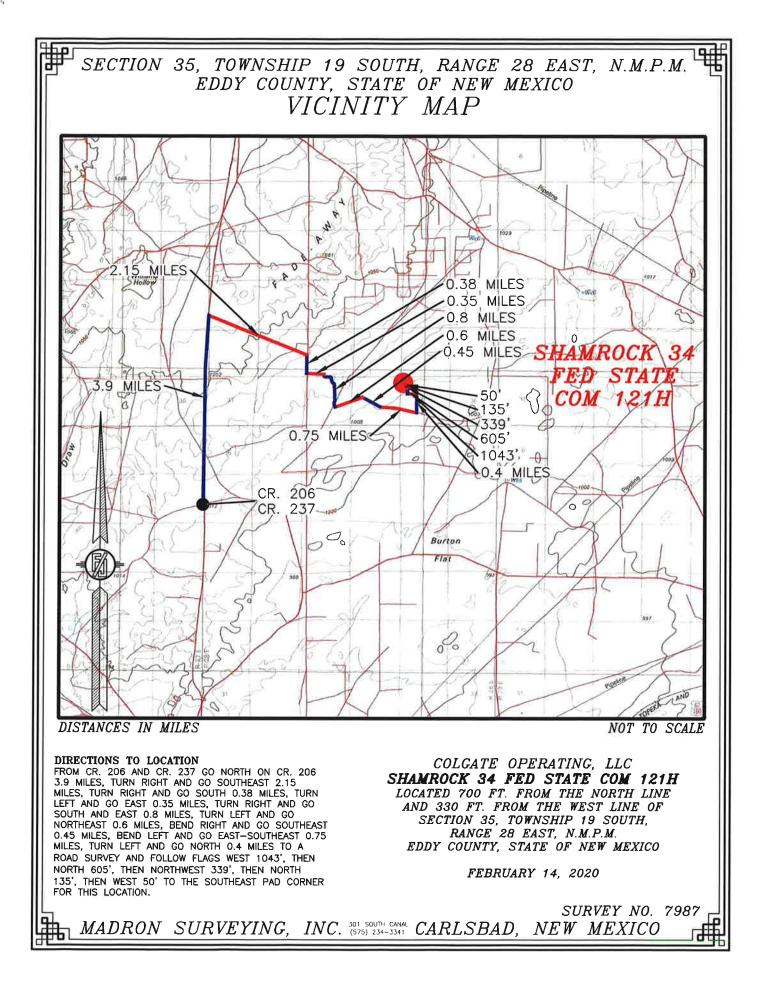
API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

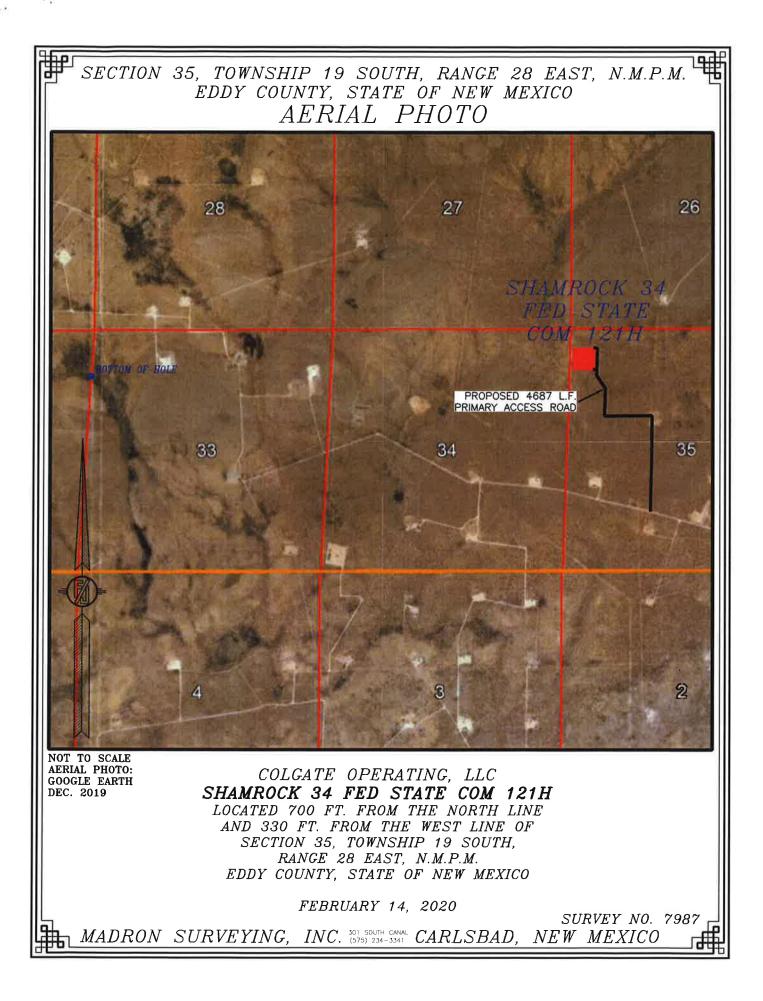


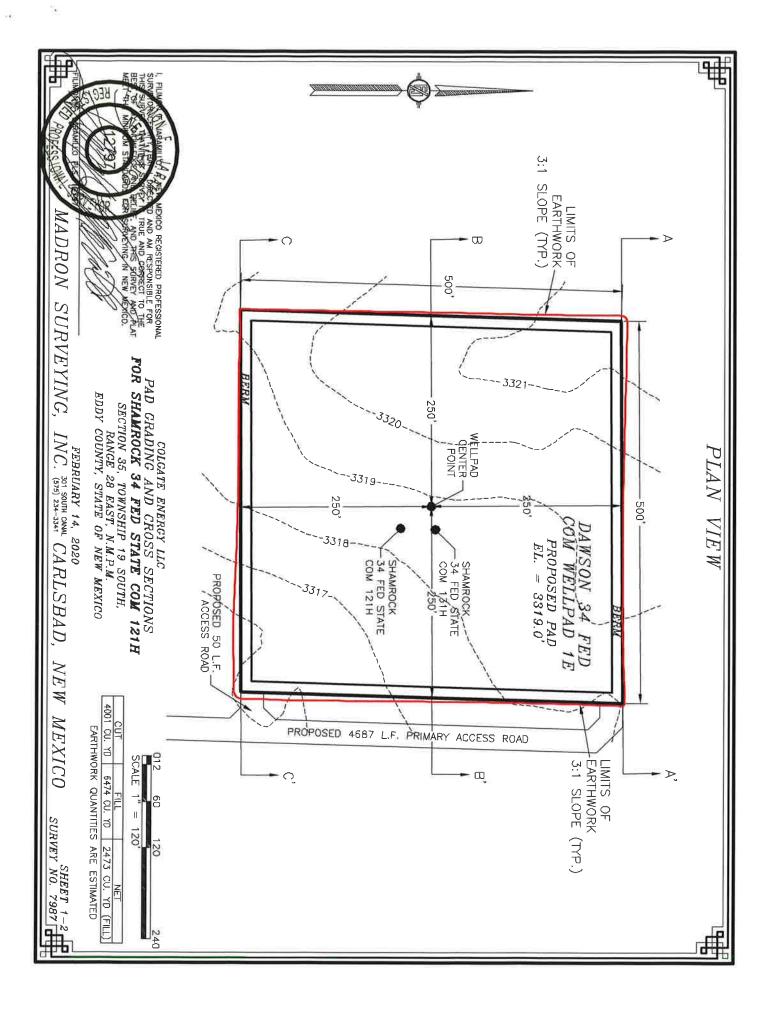


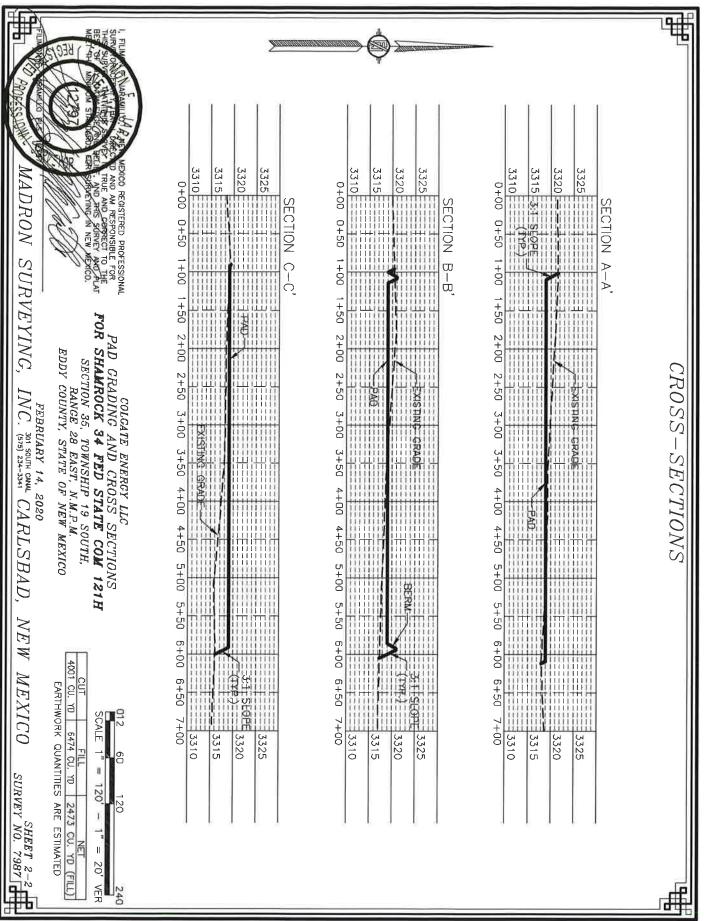




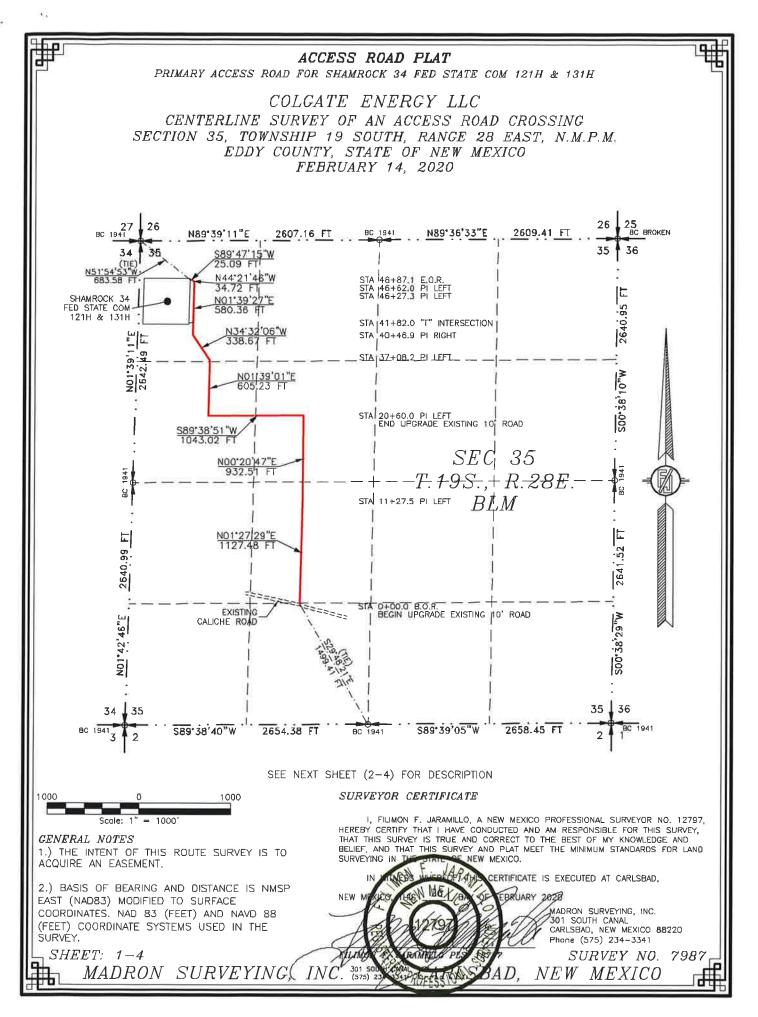
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PRIMARY ACCESS ROAD FOR SHAMROCK 34 FED STATE COM 121H & 131H

COLGATE ENERGY LLC CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO FEBRUARY 14, 2020

#### DESCRIPTION

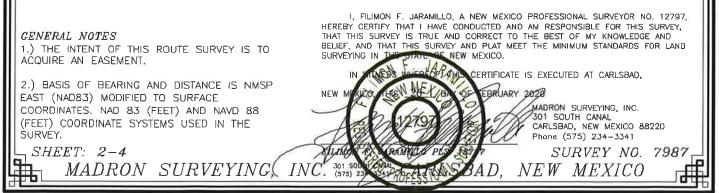
A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

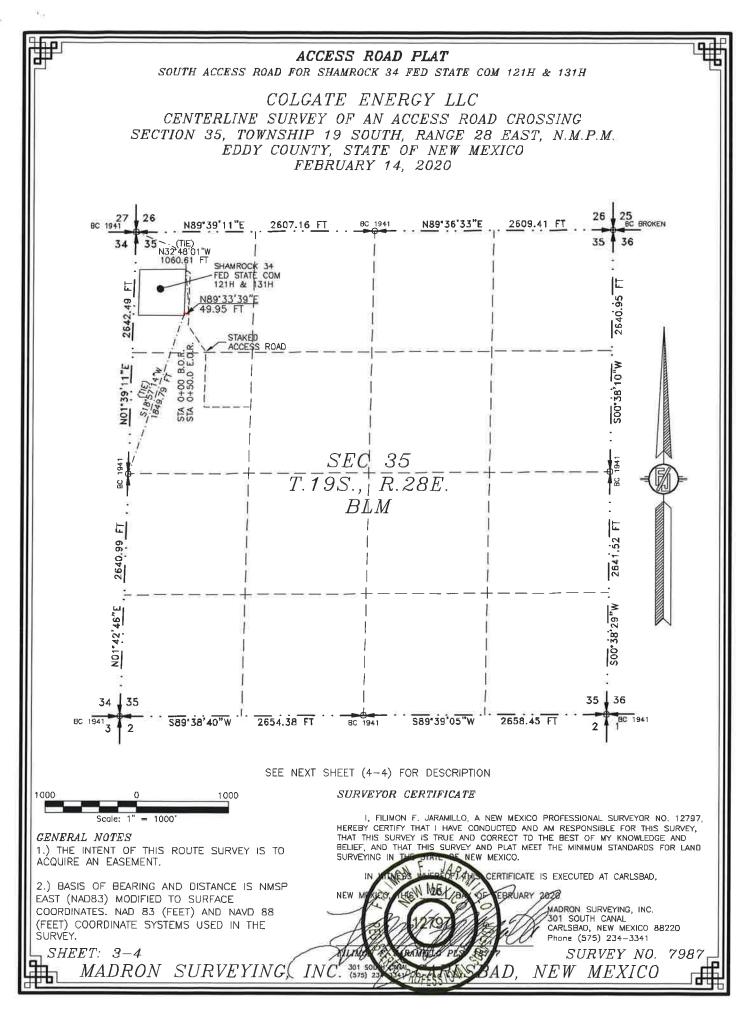
BEGINNING AT A POINT WITHIN THE SE/4 SW/4 OF SAID SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., WHENCE THE SOUTH QUARTER CORNER OF SAID SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS S29'48'21"E, A DISTANCE OF 1499.41 FEET; THENCE N01'27'29"E A DISTANCE OF 1127.48 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE N00'20'47"E A DISTANCE OF 932.51 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE S89'38'51"W A DISTANCE OF 1043.02 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE N01'39'01"E A DISTANCE OF 605.23 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE N01'39'01"E A DISTANCE OF 605.23 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE N04'32'06"W A DISTANCE OF 338.67 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE N01'39'27"E A DISTANCE OF 580.36 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE N01'39'27"E A DISTANCE OF 34.72 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE N44'21'46"W A DISTANCE OF 34.72 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE S89'47'15"W A DISTANCE OF 25.09 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTHWEST CORNER OF SAID SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS N51'54'53"W, A DISTANCE OF 683.58 FEET;

SAID STRIP OF LAND BEING 4687.08 FEET OR 284.07 RODS IN LENGTH, CONTAINING 3.228 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 SW/4	14.20 L.F.	0.86 RODS	0.010 ACRES
NE/4 SW/4	1320.53L.F.	80.03 RODS	0.909 ACRES
SE/4 NW/4	1257.61L.F.	76.22 RODS	0.866 ACRES
SW/4 NW/4	1105.88L.F.	67.02 RODS	0.762 ACRES
NW/4 NW/4	988.86 L.F.	59.93 RODS	0.681 ACRES

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SOUTH ACCESS ROAD FOR SHAMROCK 34 FED STATE COM 121H & 131H

COLGATE ENERGY LLC CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO FEBRUARY 14, 2020

### DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE NW/4 NW/4 OF SAID SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., WHENCE THE WEST QUARTER CORNER OF SAID SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS S18'57'14"W, A DISTANCE OF 1849.79 FEET;

THENCE N89'33'39"E A DISTANCE OF 49.95 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTHWEST CORNER OF SAID SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS N32'48'01"W, A DISTANCE OF 1060.61 FEET;

SAID STRIP OF LAND BEING 49.95 FEET OR 3.03 RODS IN LENGTH, CONTAINING 0.034 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NW/4 NW/4 49.95 L.F. 3.03 RODS 0.034 ACRES

CENERAL NOTES 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.	I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797. HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.
2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.	IN UNITED OF THE CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MALES HER 1251 AT OF EBRUARY 2020 MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO 88220 Phone (575) 234-3341
SHEET: 4-4 MADRON SURVEYING, IN	SURVEY NO. 7987

 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

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

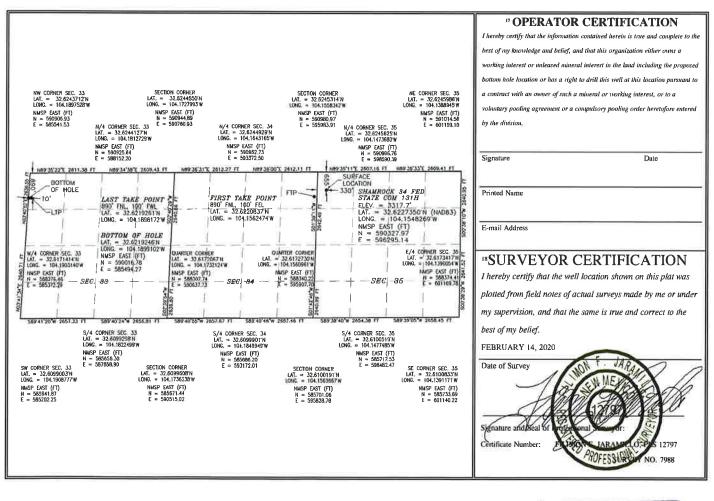
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 'I				<sup>2</sup> Pool Code	2	<sup>3</sup> Pool Name					
* Property (	Code				<sup>5</sup> Property 1		<sup>6</sup> Well Number				
				SHAN	IROCK 34 FE	D STATE COM	[		131H		
'OGRID N	No.				<sup>8</sup> Operator	Name				<sup>°</sup> Elevation	
37144	9			COI	LGATE OPER	ATING, LLC			3317.7		
	* Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County	
D	35	19 S	28 E		655	NORTH	330	WE	ST	EDDY	
			" B	ottom H	ole Location	If Different Fr	om Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County	
D	33	19 S	28 E		890	NORTH	10	WE	ST	EDDY	
<sup>12</sup> Dedicated Acres <sup>13</sup> Joint or Infill <sup>14</sup> Consolidation Code					<sup>15</sup> 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.



EXHIBIT

# Ex.1pg.067

Intent As Drilled		
API #		
Operator Name:	Property Name:	Well Number
COLGATE OPERATING, LLC	SHAMROCK 34 FED STATE COM	131H

## Kick Off Point (KOP)

2

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude		h		NAD

# First Take Point (FTP)

UL A	Section 34	Township 19S	Range 28E	Lot	Feet <b>890</b>	From N/S NORTH	Feet 100	From E/W EAST	County EDDY
Latitude 32.6220837					Longitude	0474	NAD		
32.0220037					104.1562474			83	

### Last Take Point (LTP)

UL D	Section 33	Township 19S	Range 28E	Lot	Feet 890	From N/S NORTH	Feet 100	From E/W	County EDDY
Latitude					Longitud	le		NAD	
32.6219261					104.1896172				83

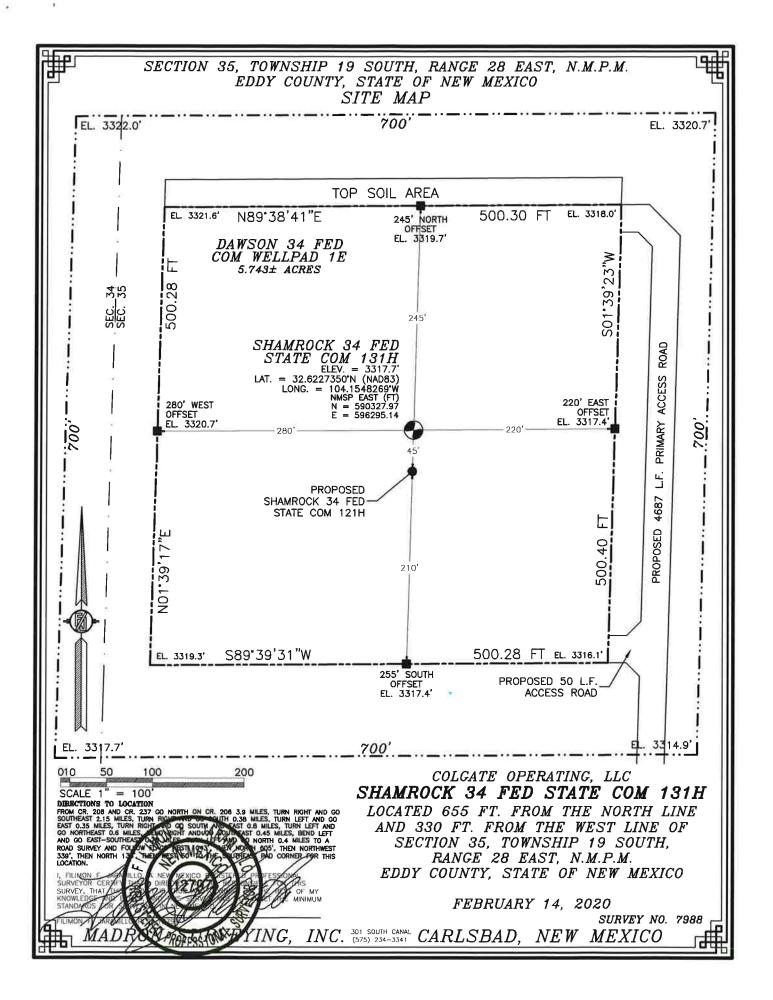
Is this well the defining well for the Horizontal Spacing Unit?

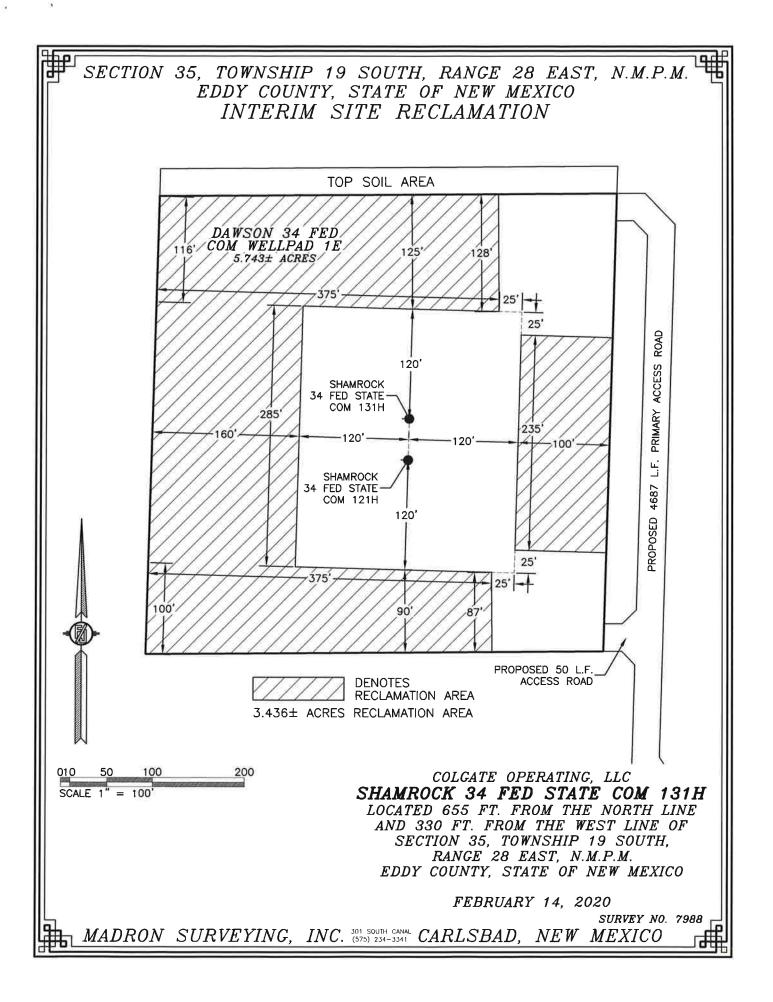
Is this well an infill well?

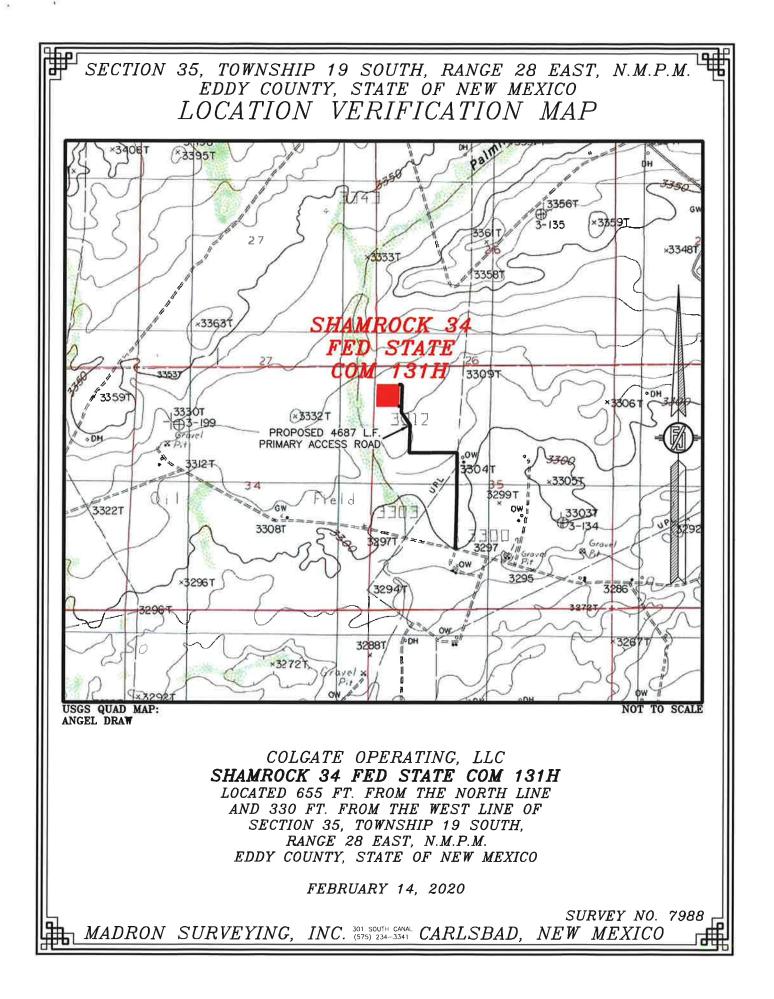
If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

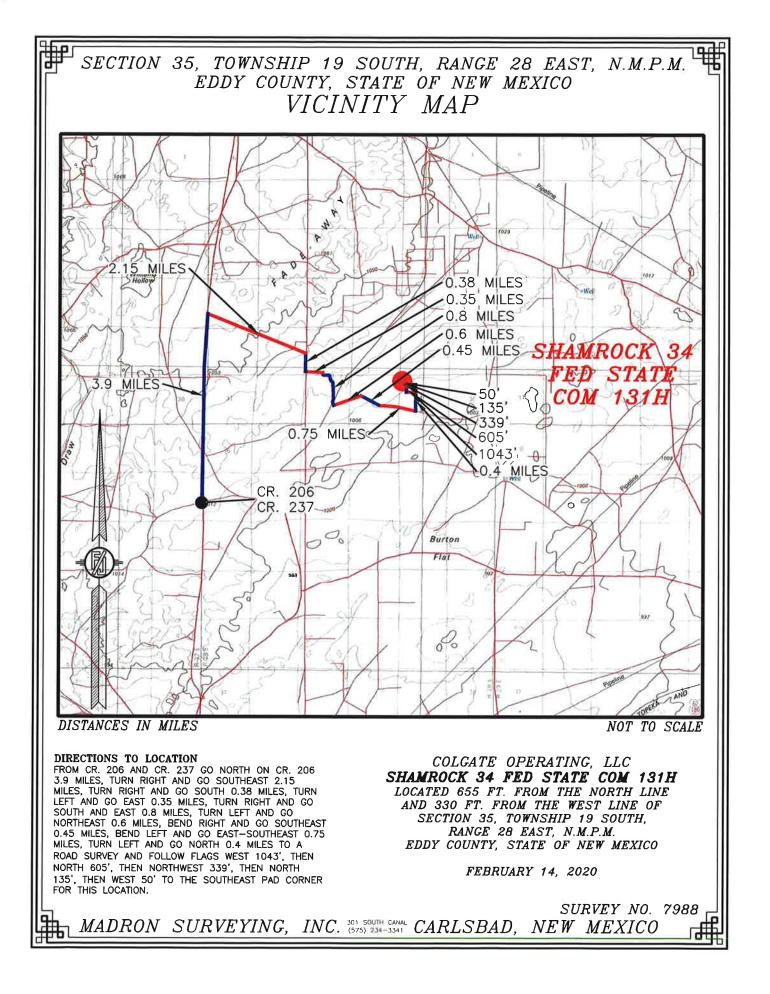
API #		
Operator Name:	Property Name:	Well Number
		1/7 06/00/0010

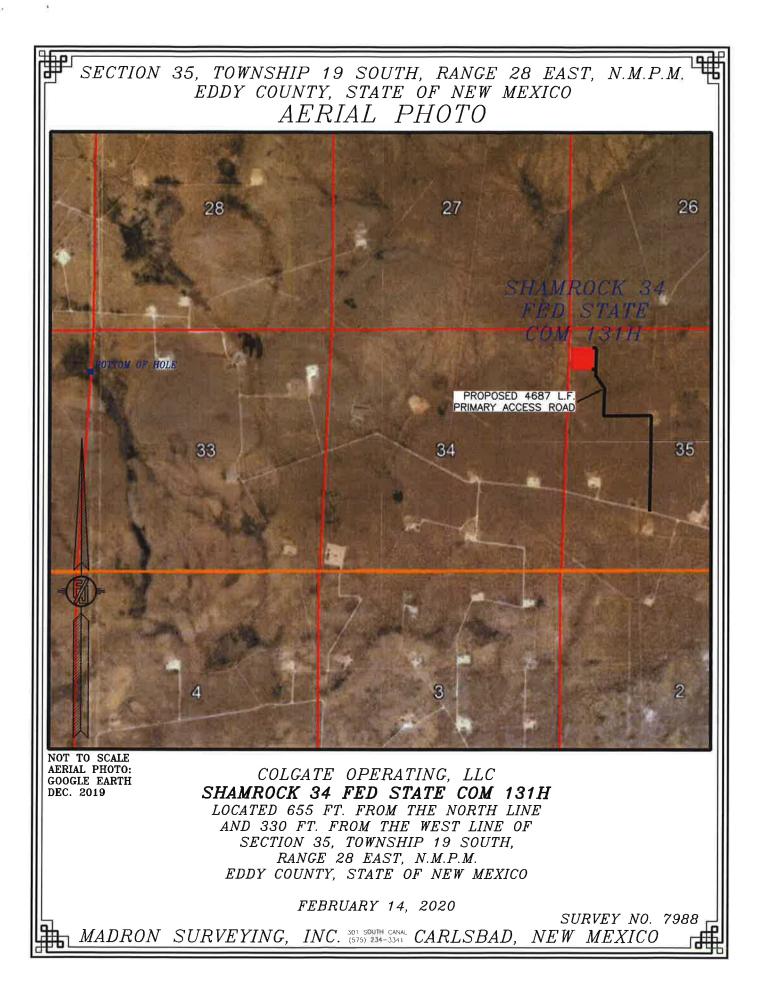
KZ 06/29/2018

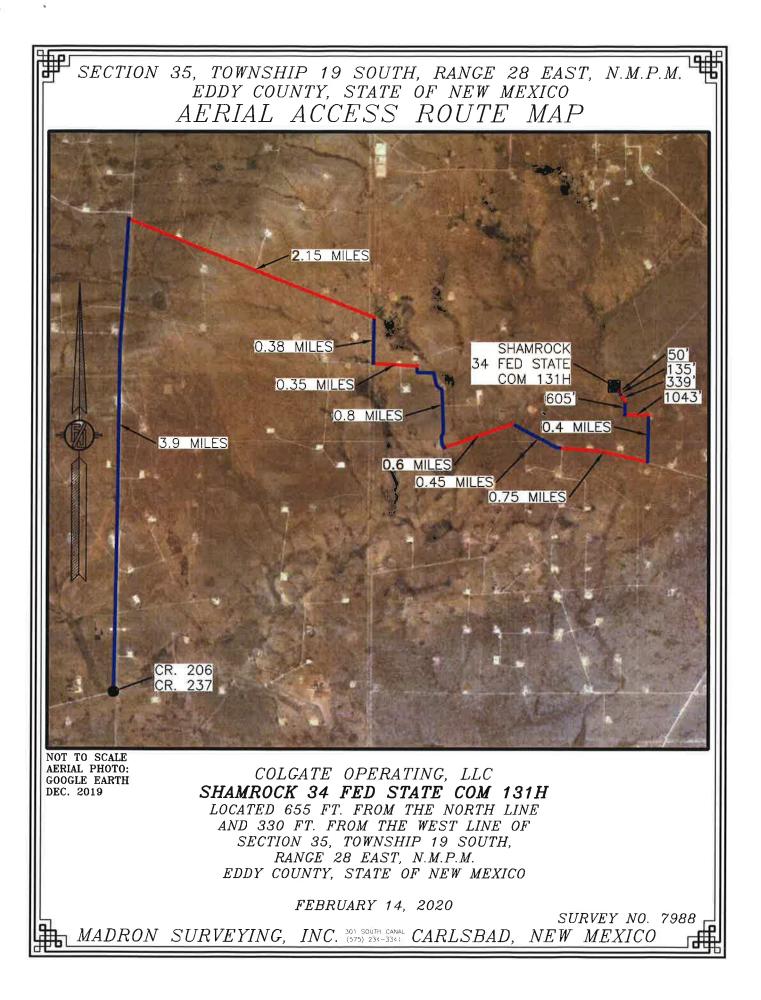


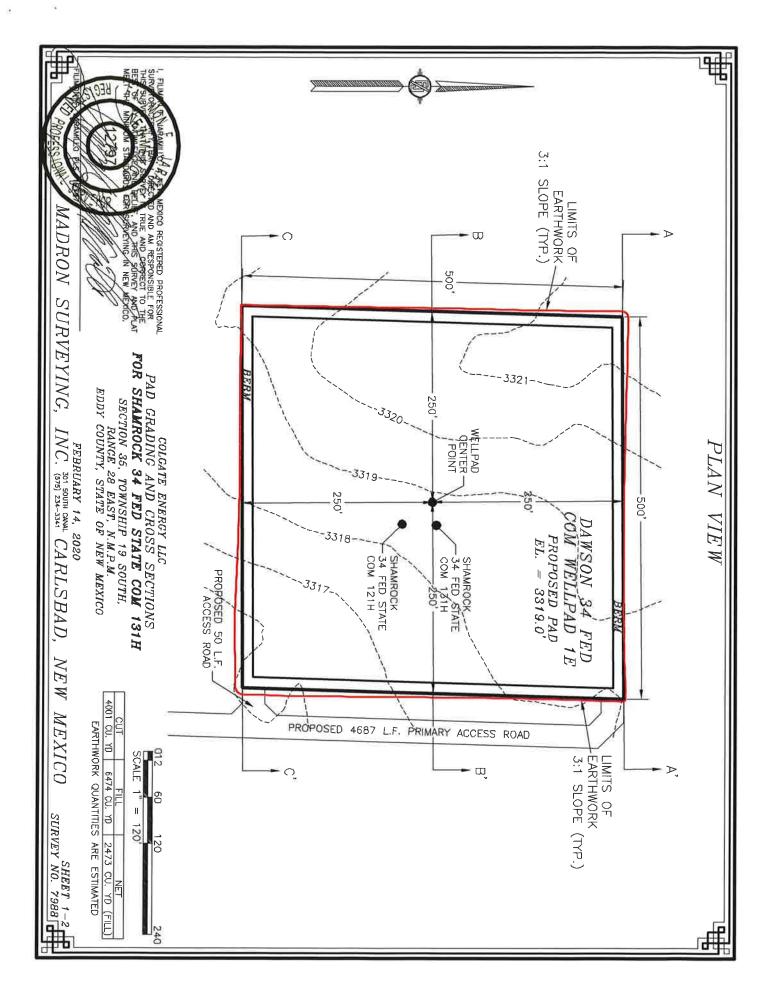


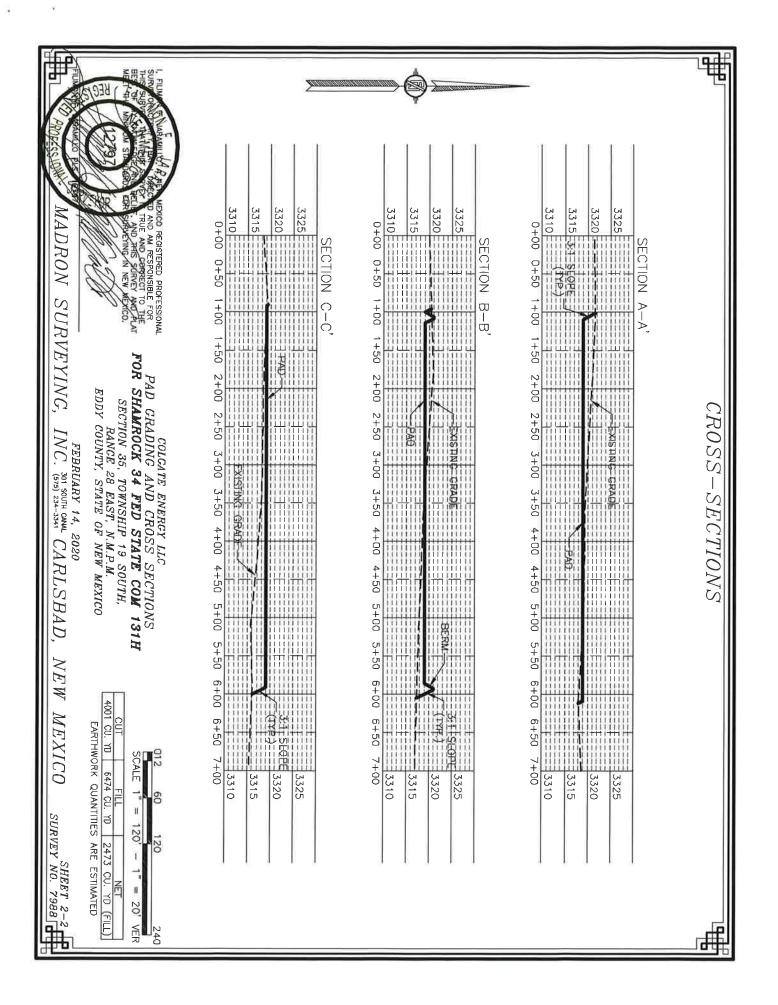


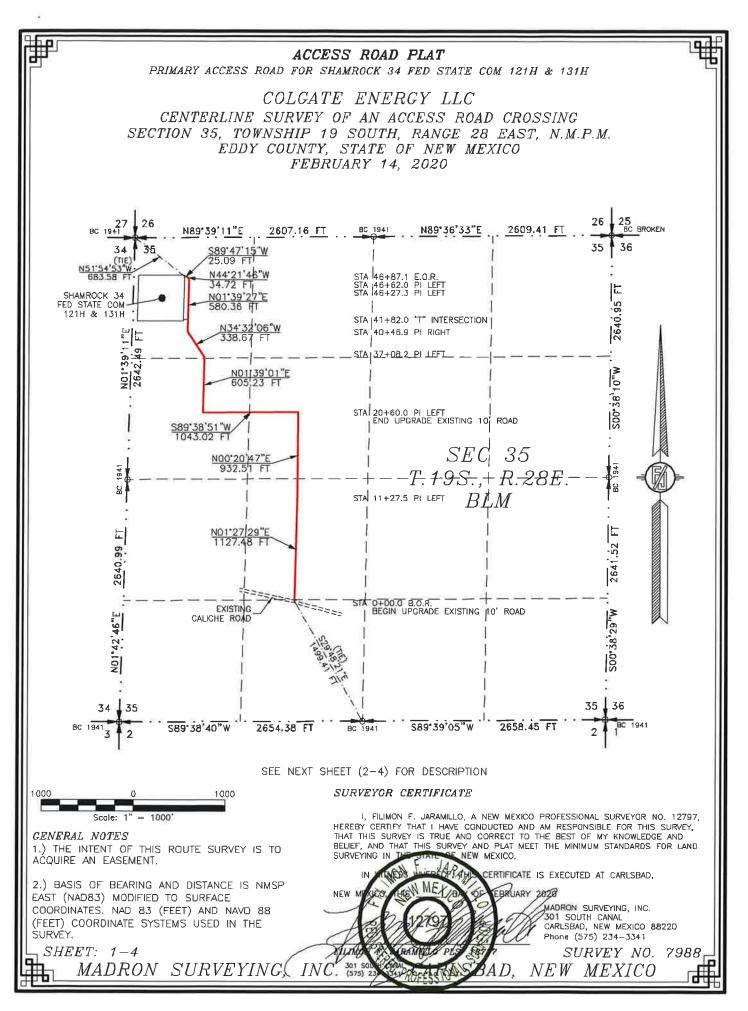












PRIMARY ACCESS ROAD FOR SHAMROCK 34 FED STATE COM 121H & 131H

COLGATE ENERGY LLC CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO FEBRUARY 14, 2020

#### DESCRIPTION

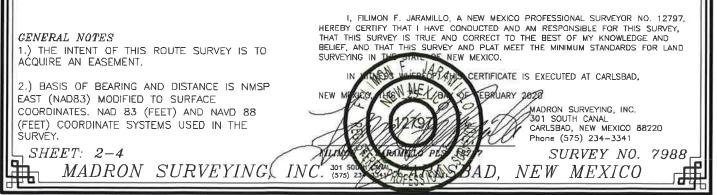
A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

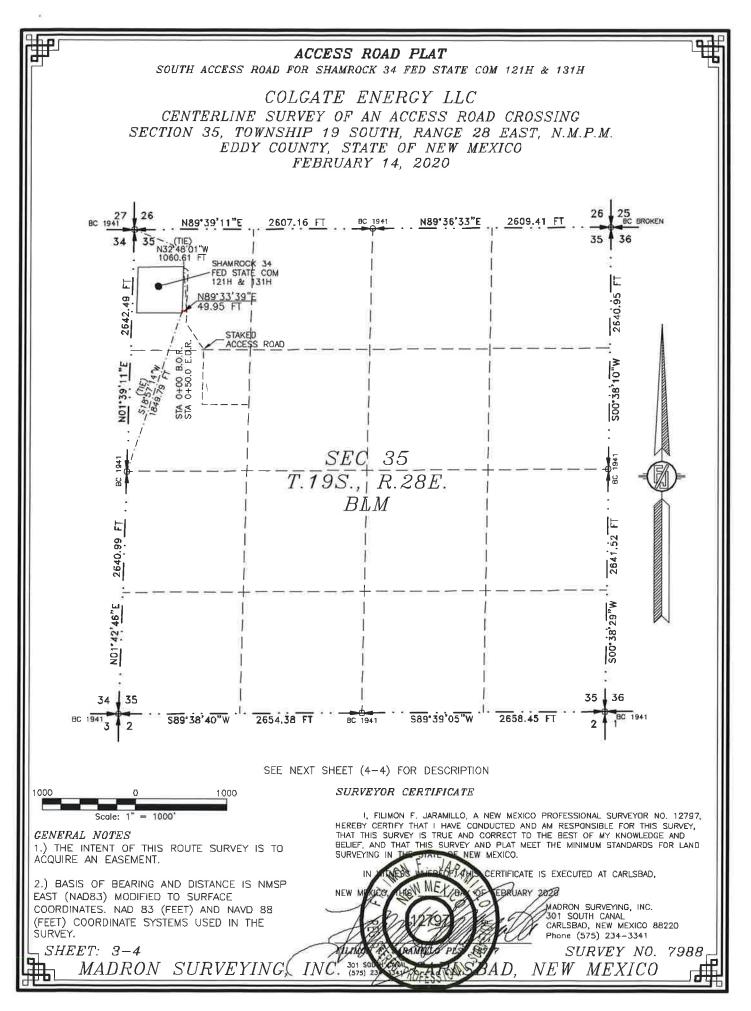
BEGINNING AT A POINT WITHIN THE SE/4 SW/4 OF SAID SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., WHENCE THE SOUTH QUARTER CORNER OF SAID SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS S29'48'21"E, A DISTANCE OF 1499.41 FEET; THENCE N01'27'29"E A DISTANCE OF 1127.48 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE N00'20'47"E A DISTANCE OF 932.51 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE S89'38'51"W A DISTANCE OF 1043.02 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE N01'39'01"E A DISTANCE OF 605.23 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE N01'39'01"E A DISTANCE OF 605.23 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE N01'39'01"E A DISTANCE OF 538.67 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE N01'39'27"E A DISTANCE OF 580.36 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE N01'39'27"E A DISTANCE OF 580.36 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE N04'21'46"W A DISTANCE OF 34.72 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED; THENCE S89'47'15"W A DISTANCE OF 25.09 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTHWEST CORNER OF SAID SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS N51'54'53"W, A DISTANCE OF 683.58 FEET;

SAID STRIP OF LAND BEING 4687.08 FEET OR 284.07 RODS IN LENGTH, CONTAINING 3.228 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 SW/4	14.20 L.F.	0.86 RODS	0.010 ACRES
NE/4 SW/4	1320.53L.F.	80.03 RODS	0.909 ACRES
SE/4 NW/4	1257.61L.F.	76.22 RODS	0.866 ACRES
SW/4 NW/4	1105.88L.F.	67.02 RODS	0.762 ACRES
NW/4 NW/4	988.86 L.F.	59.93 RODS	0.681 ACRES

#### SURVEYOR CERTIFICATE





SOUTH ACCESS ROAD FOR SHAMROCK 34 FED STATE COM 121H & 131H

COLGATE ENERGY LLC CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO FEBRUARY 14, 2020

#### DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE NW/4 NW/4 OF SAID SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., WHENCE THE WEST QUARTER CORNER OF SAID SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS S18'57'14"W, A DISTANCE OF 1849.79 FEET;

THENCE N89'33'39"E A DISTANCE OF 49.95 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTHWEST CORNER OF SAID SECTION 35, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS N32'48'01"W, A DISTANCE OF 1060.61 FEET;

SAID STRIP OF LAND BEING 49.95 FEET OR 3.03 RODS IN LENGTH, CONTAINING 0.034 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NW/4 NW/4 49.95 L.F. 3.03 RODS 0.034 ACRES

SURVEYOR CERTIFICATE

I, FILIMON F, JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797 HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, GENERAL NOTES THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND 1.) THE INTENT OF THIS ROUTE SURVEY IS TO SURVEYING IN NEW MEXICO. ACQUIRE AN EASEMENT. ERTIFICATE IS EXECUTED AT CARLSBAD. 2.) BASIS OF BEARING AND DISTANCE IS NMSP NEW M 2828 LIARY EAST (NAD83) MODIFIED TO SURFACE MADRON SURVEYING, INC. COORDINATES, NAD 83 (FEET) AND NAVD 88 301 SOUTH CANAL (FEET) COORDINATE SYSTEMS USED IN THE CARLSBAD, NEW MEXICO 88220 SURVEY. Phone (575) 234-3341 SHEET: 4-4 SURVEY NO. 7988 MADRON SURVEYING, INC. ADNEW 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

de											
				<sup>5</sup> Property i	roperty Name <sup>6</sup> Well Number						
	SHAMROCK 34 FED STATE COM										
				<sup>8</sup> Operator	Name			<sup>9</sup> Elevation			
			COI	LGATE OPER	RATING, LLC				3309.3		
<sup>10</sup> Surface Location											
Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County		
34	19 S	28 E		2610	SOUTH	295	EAS	ST	EDDY		
		" B	ottom H	ole Location	If Different Fr	om Surface					
Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County		
E 33 19 S 28 E 2295 NORTH 10 WE									EDDY		
<sup>13</sup> Joint o	or Infill 14 (	Consolidation	1 Code			<sup>15</sup> Order No.					
5	Section 34 Section 33	Section Township 34 19 S Section Township 33 19 S	Section Township Range 34 19 S 28 E " B Section Township Range 33 19 S 28 E	Section Township Range Lot Idn 34 19 S 28 E "Bottom He Section Township Range Lot Idn 33 19 S 28 E	* Operator         COLGATE OPER         * Surface         * Surface         34       19 S         28 E       2610         * Bottom Hole Location         Section       Township         Range       Lot Idn         * Bottom Hole Location         Section       Township         Range       Lot Idn         Section       Township         8 28 E       2295	"Operator Name         COLGATE OPERATING, LLC         "Surface Location         Section       Township       Range       Lot Idn       Feet from the       North/South line         34       19 S       28 E       2610       SOUTH         "Bottom Hole Location If Different Fr         Section         33       19 S       28 E       2295       NORTH	"Operator Name         COLGATE OPERATING, LLC         "Surface Location         Section       Township       Range       Lot Idn       Feet from the 2610       North/South line SOUTH       Feet from the 295         Section       Township       Range       Lot Idn       Feet from the 2610       North/South line SOUTH       Feet from the 295         **       Bottom Hole Location       If Different From Surface         Section       Township       Range 28 E       Lot Idn       Feet from the 2295       North/South line North/South line       Feet from the 10	"Operator Name         COLGATE OPERATING, LLC         "Surface Location         Section       Township       Range       Lot Idn       Feet from the Location         34       19 S       28 E       North/South line       Feet from the Location         34       Township       Range       Lot Idn       Feet from the Location If Different From Surface         Section       Township       Range       Lot Idn       Feet from the Location If Different From Surface         Section       Township       Range       Lot Idn       Feet from the Location If Different From Surface         33       19 S       28 E       Lot Idn       Feet from the Location If Different From the Location If Different From the Location         33       South line       Feet from the Location	"Operator Name         COLGATE OPERATING, LLC         "Surface Location         Section       Township       Range       Lot Idn       Feet from the 2610       North/South line SOUTH       Feet from the 295       East/West line EAST         34       19 S       28 E       Lot Idn       Feet from the 2610       North/South line SOUTH       Feet from the 295       EAST         "Bottom Hole Location If Different From Surface         Section       Township       Range Range       Lot Idn       Feet from the 2295       North/South line North/South line       Feet from the East/West line         33       19 S       28 E       2295       NORTH       10       WEST		

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.

	" 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
NW CORNER SEC. 33 N/4 CORNER SEC. 33 SECTION CORNER N/4 CORNER SEC. 34 NE CORNER SEC. 34	bottom hole location or has a right to drill this well at this location pursuant to
LAT. = 32.6243712 N LAT. = 32.6244127 N LAT. = 32.6244520 N LAT. = 32.6244929 N LAT. = 32.6245314* N LONG. = 104.1837528 W LONG. = 104.1817529 W LONG. = 104.1817548342 W	a contract with an owner of such a mineral or working interest, or to a
NMSP EAST (FT)	voluntary pooling agreement or a compulsory pooling order heretofore entered
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	by the division.
N89'35'22"E 2611.38 FT N89'34'38"E 2609.43 FT N89'36'31"E 2612.27 FT N89'36'00"E 2612.11 FT	
BOTTOM OF HOLE	Signature Date
29 LAT. = 32.6180621 N	
NMSP FAST (FD)	
(A) (J) F = 58540187 (F) ≥	Printed Name
P         Intermediate         Intermediate <thintermediate< th="">         Intermediate</thintermediate<>	
LAT. = 32.6181808 N FTP LOY LAT. = 32.6180635 N LONG. = 104.1563882W SURFACE	E-mail Address
LONG. = 104.1899170 W	
W/4 CORNER SEC. 33 OUARTER CORNER SHAMPOCK 34 FED 295"	<b>"SURVEYOR CERTIFICATION</b>
LONG = 104 1732124 W	I hereby certify that the well location shown on this plat was
Q N = 58827646 N = 588307.74	plotted from field notes of actual surveys made by me or under
SEC. 33 - E = 590637.73 NMSP EAST (FT) O N MSP EAST (FT) O N N = 588309.27 O ≥	
3 L E = 595611.66	my supervision, and that the same is true and correct to the
- + ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	best of my belief.
N037 2639 2021 2021 2021 2021 2021 2021 2021 202	MARCH 18, 2020
S89'41'20"W 2657.33 FT S89'40'24"W 2656.81 FT S89'40'55"W 2657.67 FT S89'40'46"W 2657.46 FT	Date of Survey
SW CORNER SEC. 33 S/4 CORNER SEC. 33 SECTION CORNER S/4 CORNER SEC. 34 SE CORNER SEC. 34 LAT. = 32.6099003'N LAT. = 32.6099298'N LAT. = 32.6099608'N LAT. = 32.6099901'N LAT. = 32.6100191'N	
LONG. = 104.1908777W LONG. = 104.1822499W LONG. = 104.1736238W LONG. = 104.1649949W LONG. = 104.1563667W NMSP EAST (FT) NMSP EAST (FT) NMSP EAST (FT) NMSP EAST (FT) NMSP EAST (FT)	State Contraction
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	THE AVAILAND
	Signature and Seal of Potensonal
	Certificate Number: APACTOR JARAN COSPS 12797
	HUFESSURVE NO. 7985A



s s

Intent As Drilled		
API #		
Operator Name:	Property Name:	Well Number
COLGATE OPERATING, LLC	SHAMROCK 34 FED STATE COM	122H

# Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitu	de				Longitude				NAD

### First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
H	34	19S	28E		2310	NORTH	100	EAST	EDDY
Latitu 32.6	<sup>de</sup> 18180	8			Longitude	3882			NAD 83

## Last Take Point (LTP)

UL E	Section 33	Township 19S	Range 28E	Lot	Feet 2295	From N/S NORTH	Feet 100	From E/W WEST	County EDDY
Latitu	Latitude					le			NAD
32.6	32.6180635				104.1	104.1899170			83

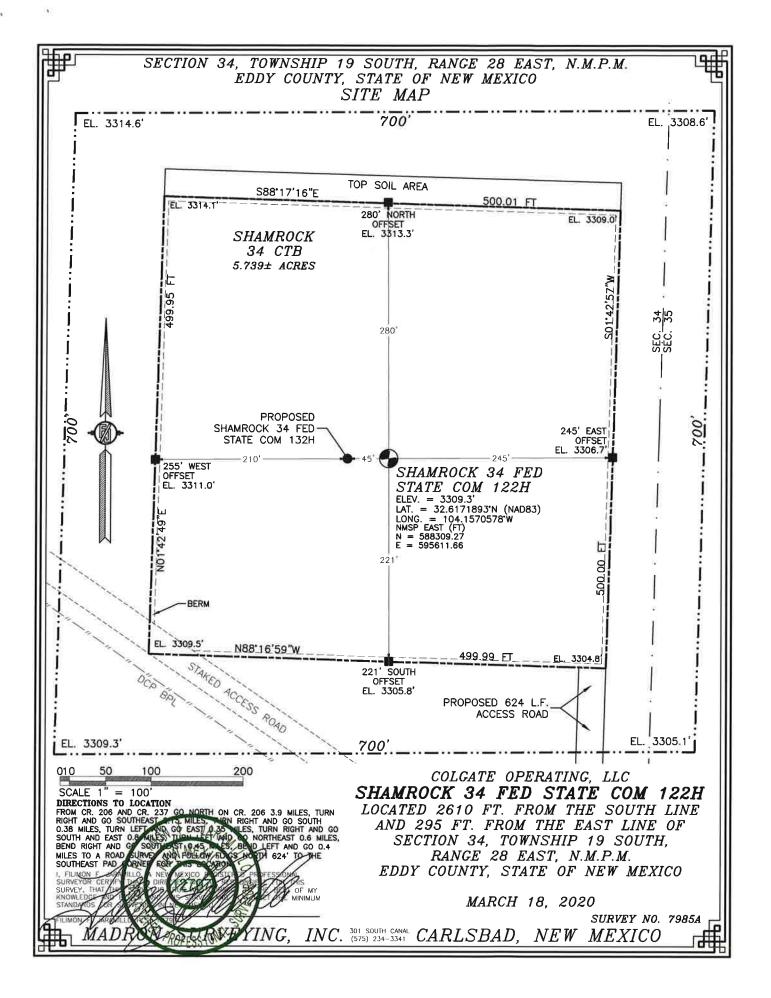
Is this well the defining well for the Horizontal Spacing Unit?

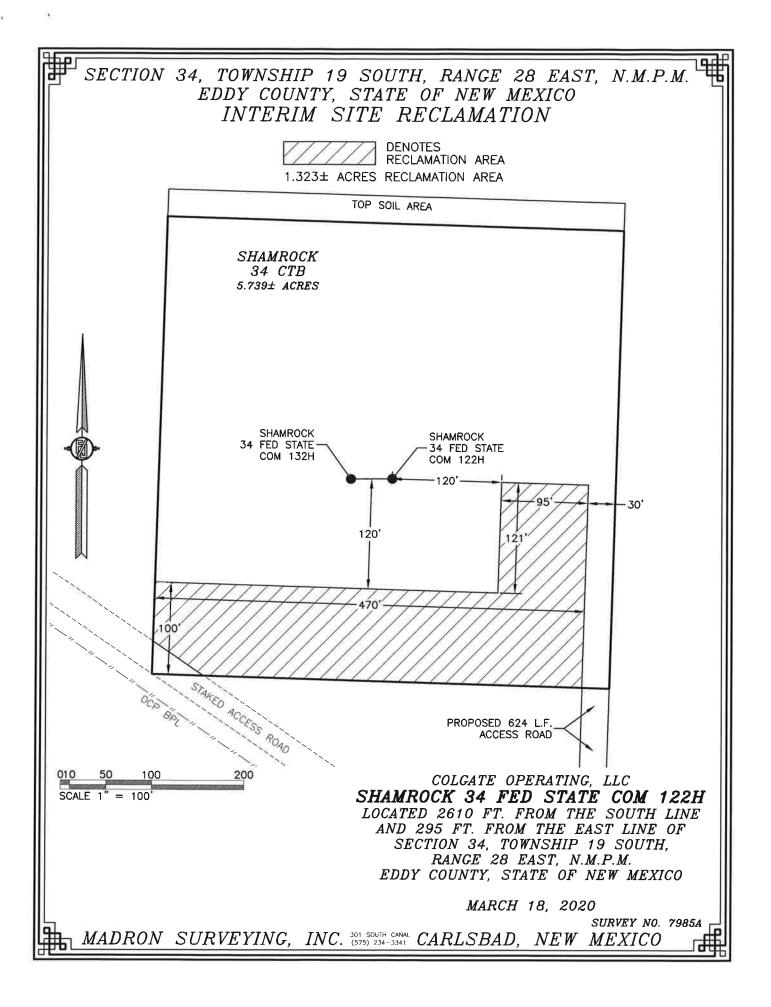
Is this well an infill well?

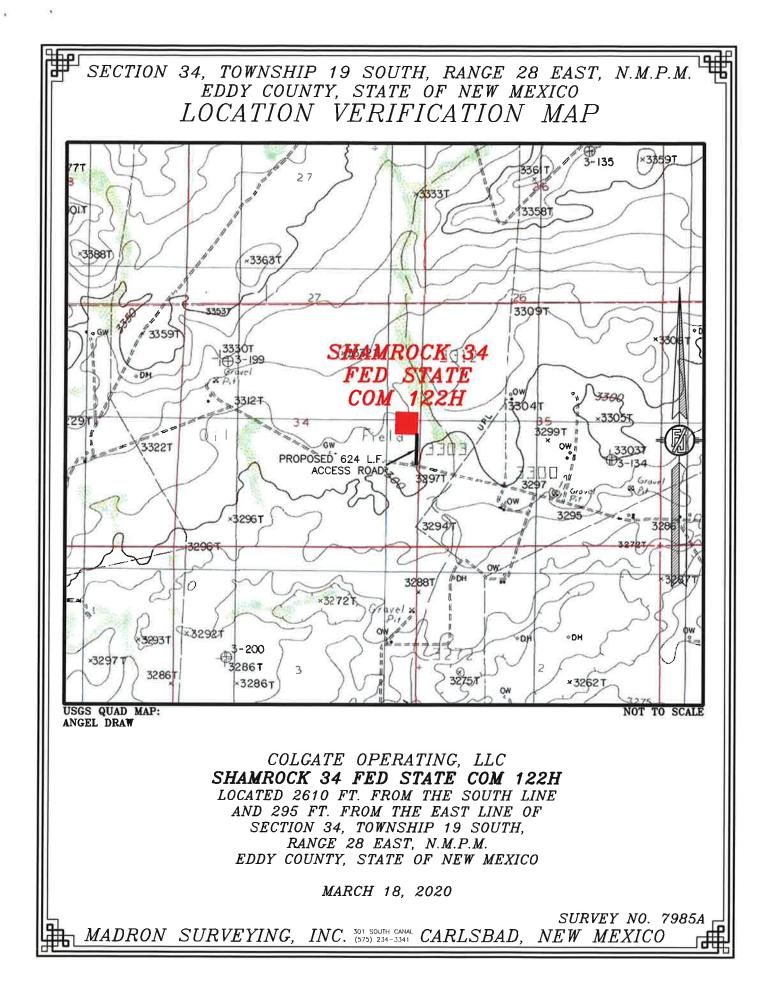
If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

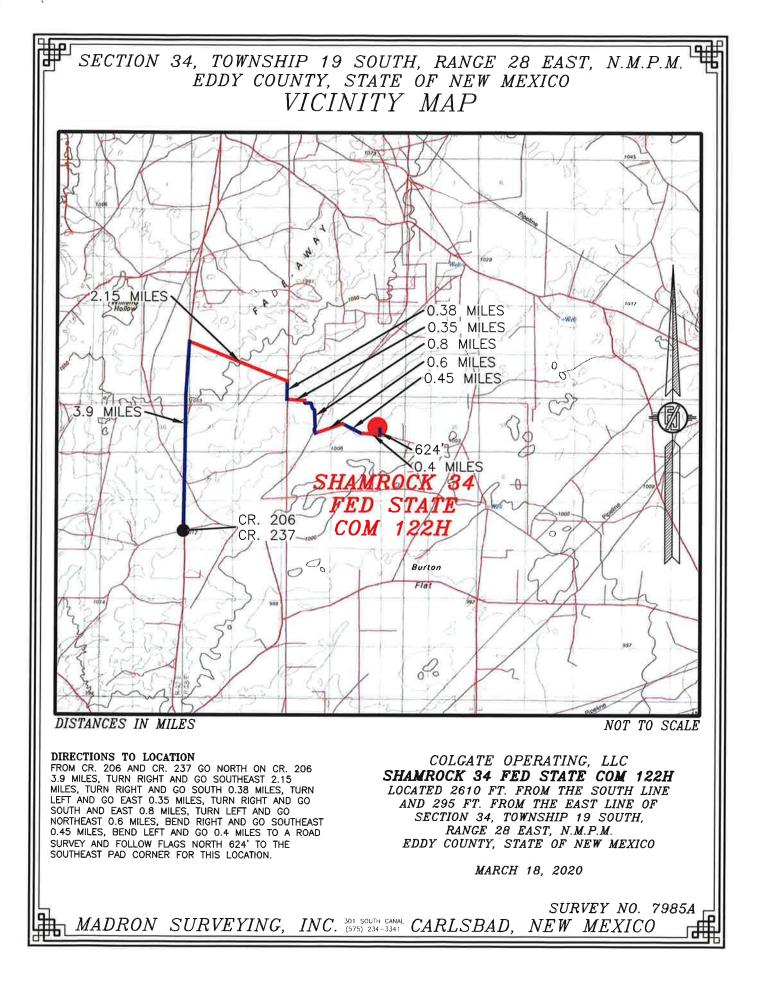
API #		
Operator Name:	Property Name:	Well Number

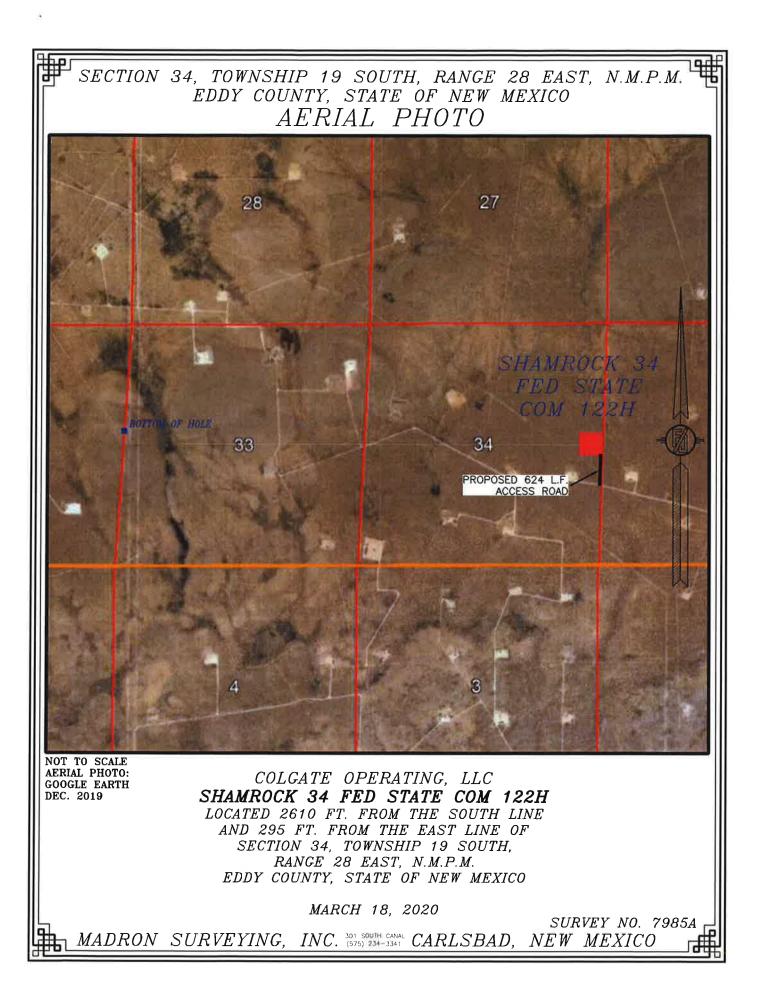
KZ 06/29/2018

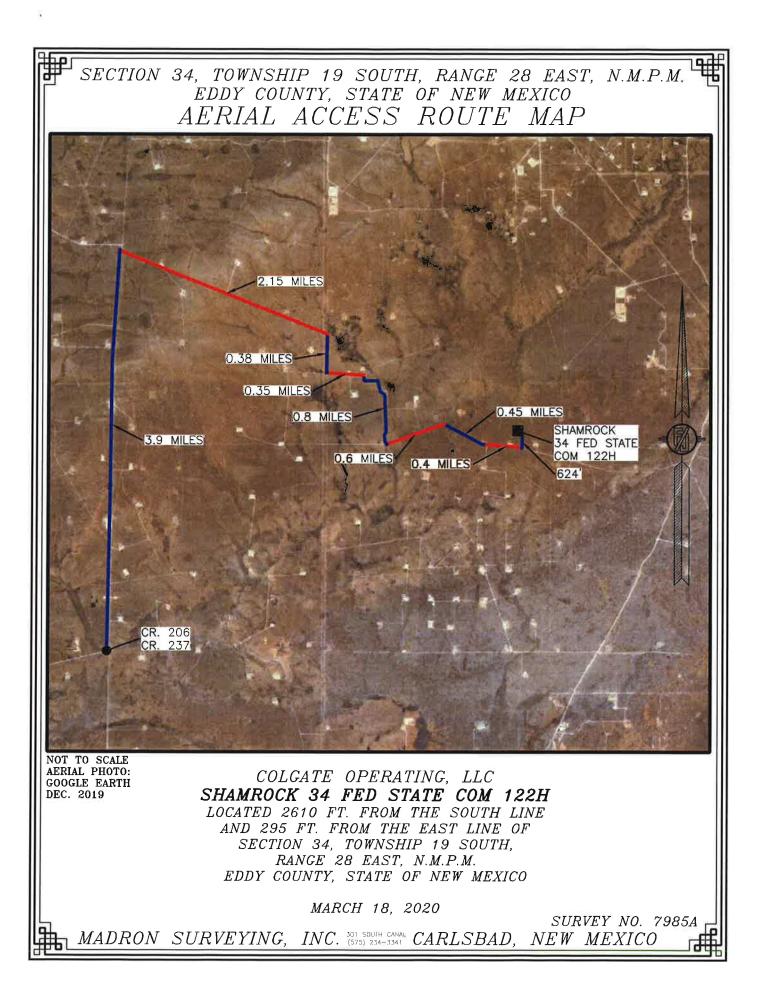


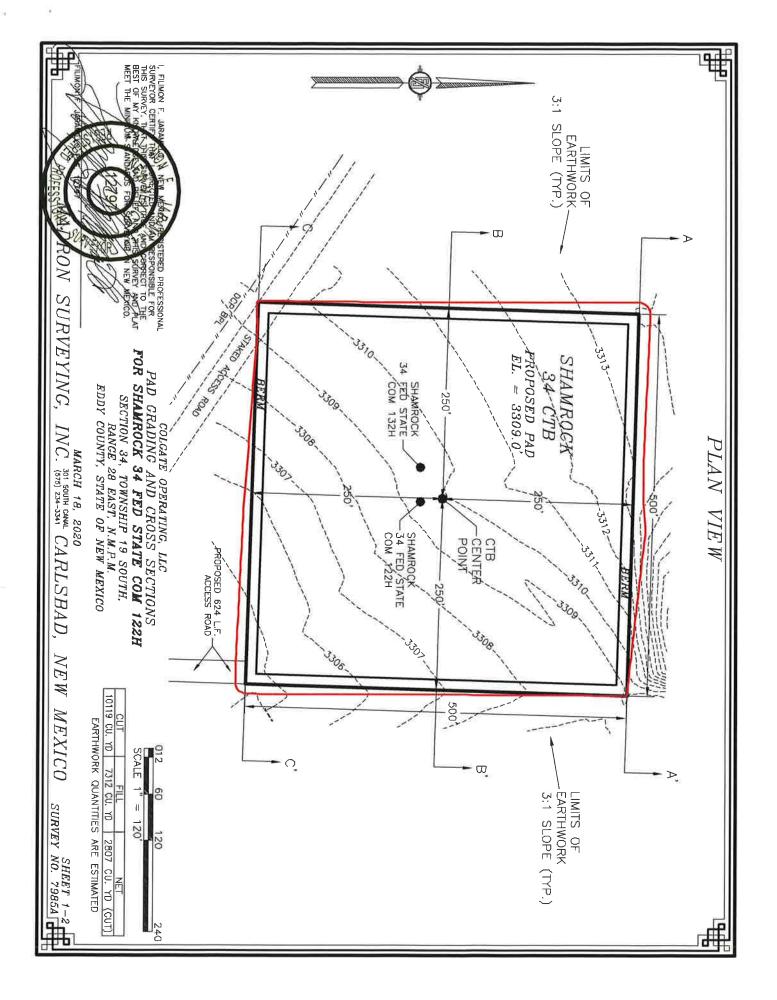


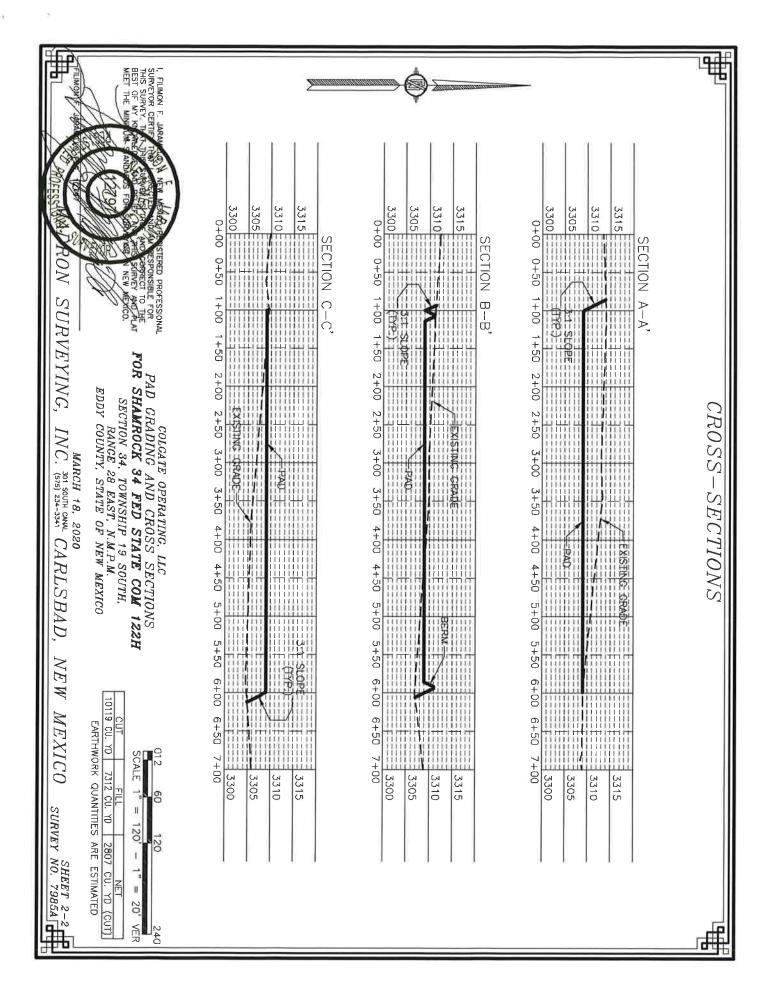


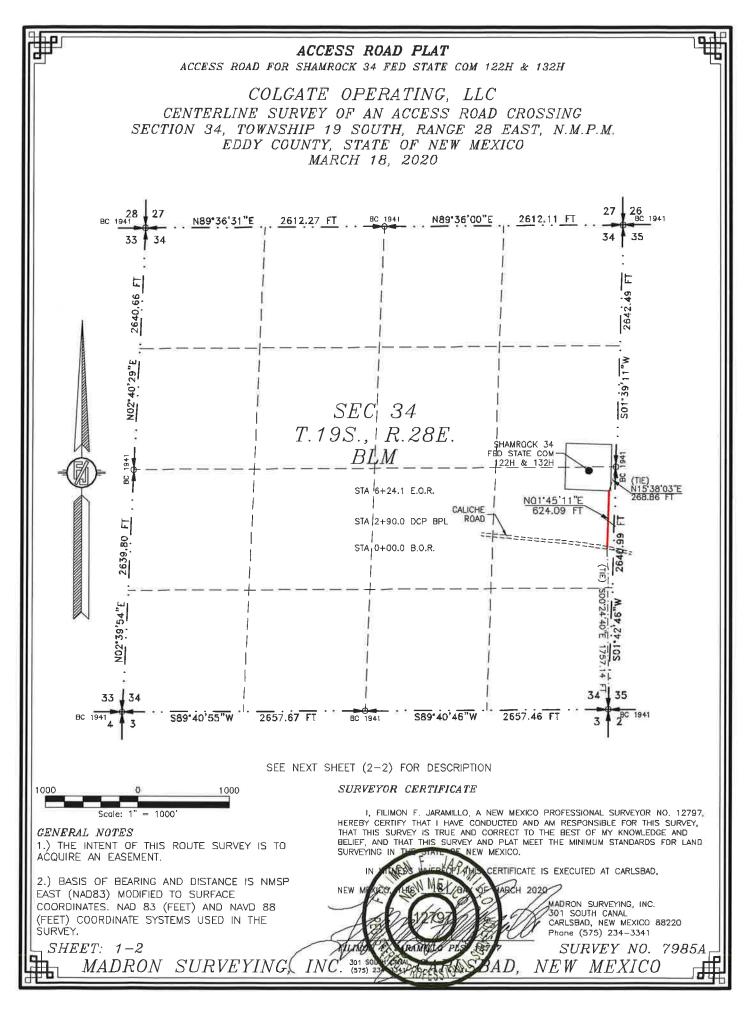












ACCESS ROAD FOR SHAMROCK 34 FED STATE COM 122H & 132H

COLGATE OPERATING, LLC CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO MARCH 18, 2020

#### DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

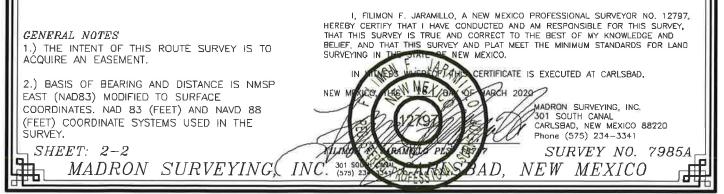
BEGINNING AT A POINT WITHIN THE NE/4 SE/4 OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., WHENCE THE SOUTHEAST CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS SOO'24'40"E, A DISTANCE OF 1757.14 FEET;

THENCE NO1'45'11"E A DISTANCE OF 624.09 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE EAST QUARTER CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS N15'38'03"E, A DISTANCE OF 268.86 FEET;

SAID STRIP OF LAND BEING 624.09 FEET OR 37.82 RODS IN LENGTH, CONTAINING 0.430 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 SE/4 624.09 L.F. 37.82 RODS 0.430 ACRES

#### SURVEYOR CERTIFICATE



District 1 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

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# 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 'API Number <sup>2</sup> Pool Code <sup>3</sup> Pool Name <sup>4</sup> Property Code <sup>5</sup> Property Name <sup>6</sup> Well Number SHAMROCK 34 FED STATE COM 132H <sup>7</sup>OGRID No. <sup>8</sup> Operator Name Elevation 371449 **COLGATE OPERATING, LLC** 3309.5 Surface Location UL or lot no. Township Section Range Lot Idn Feet from the North/South line Feet from the East/West line County I 34 19 S 28 E 2610 SOUTH 340 EAST EDDY " Bottom Hole Location If Different From Surface UL or lot no. Section Range Lot Idn Feet from the Feet from the East/West line Township North/South line County Е 33 19 S 28 E 2210 NORTH 10 WEST **EDDY** <sup>12</sup> Dedicated Acres <sup>13</sup> Joint or Infill 14 Consolidation Code <sup>15</sup> 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.

NMI COMMUTE SEC. 33       N/4 COMMUTE SEC. 33       SECTION COMMUTE SEC. 34       N/4 COMMUTE SEC.		TODEDATOD CEDTURICATION
NNL CONKER SEC. 33 NLC 2004257173 NLC 2004257173 N		
NN CORNER SC. 33 (M4 CORRES SC. 31 (M5 = 104.18977)       N/4 CORRES SC. 31 (M5 = 104.18977)       N/4 CORRES SC. 31 (M5 = 20.29579)       N/4 CORRES SC. 31 (M5 = 20.295770)       N/4 CORRES SC. 31 (M5 = 20.295770)<		I hereby certify that the information contained herein is true and complete to the
IN CORNER SC. 13 UK, = 32,25,2772       N/4 CORNER SC. 33 UK, = 32,25,42774       N/4 CORNER SC. 34 UK, = 32,24,42374       N/4 CORNER SC. 34 UK, = 32,24,423744       N/4 CORNER SC. 34 UK, = 32,		best of my knowledge and belief, and that this organization either owns a
MI CORRER SEC. 33 MI CORRER SEC. 33 MI CORRER SEC. 33 MI CORRER SEC. 34 MI SECOND		working interest or unleased mineral interest in the land including the proposed
IV. = 32.8247197N       IV. = 32.8243719N       IV. = 32.8243719N       IV. = 32.8243719N         NUSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)         NUSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)         NUSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)         NUSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)         NUSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)         NUSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)         NUSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)       NMSP LEST (F)         NUSP LEST (F)       NMSP LEST (F)       LST (F)       LST (F)       STATE COM TS (F)       LST (F)         NUSP LEST (F)       NMSP LEST (F)       LST (F)       STATE COM TS (F)       STATE COM TS (F)       LST (F)       NMSP LEST (F)	NE CORVER OF 17 N/4 CORVER OF 13 SECTION CORVER N/4 CORVER SEC 34 NE CORVER SEC 34	bottom hole location or has a right to drill this well at this location pursuant to
NHSP EST (FT)       NHSP EST (FT)<	$LAT_{-} = 32.6243712N$ $LAT_{-} = 32.6244127N$ $LAT_{-} = 32.6244520N$ $LAT_{-} = 32.6244929N$ $LAT_{-} = 32.6245314N$	a contract with an owner of such a mineral or working interest, or to a
N = 50006.33       N = 50002.54       N = 50006.33       N = 50006.33       N = 50006.33       E = 50076.33       E = 50076.34       E = 50076.33       E = 50076.34       P the division.         NB9/35/227 2611.35 FT       N09/34/38*E 2609.43       FT       FT       N09/34/38*E 2609.43       FT       N09/34/38*E 2609.43       FT       FT       S00607.75       FT       FT       S00607.75       FT	NIMSP FAST (FT) NMSP FAST (FT) NMSP FAST (FT) NMSP FAST (FT) NMSP FAST (FT)	voluntary pooling agreement or a compulsory pooling order heretofore entered
N89/35/22*E       2611.38       FT       N89/36'02*E       2612.27       FT       N89/36'00*E       2612.11       FT         BOTTOM       ØF       HOLE       LAT. = 32.612057N       JUDGE       JUDGE <t< td=""><td>N = 590906,93 N = 590925.64 N = 590944,89 N = 590962.73 N = 590980.97</td><td>by the division</td></t<>	N = 590906,93 N = 590925.64 N = 590944,89 N = 590962.73 N = 590980.97	by the division
BOTTOM ÓP HOLE LAT. = 32.6182357N LORG. = 52616233         Date           BOTTOM / E BOTTOM / E BOTTOM / E BOSTOM         E SEC. 34 E SEC.		
NMSP EST (FI)       Statistical control in the statistical contender in the statistical control in the statistical c		
NMSP EST (FI)       Statistical control in the statistical contender in the statistical control in the statistical c	BOTTOM OF HOLE	Signature Date
NMSP EST (FI)       Statistical control in the statistical contender in the statistical control in the statistical c	E/4 CORNER SEC. 34 N	
BOF HOLE       LAST TAKE POINT       2210 FNL, 100 FEL       E = 583302.76         LTP       2210 FNL, 100 FWL       LTP       2210 FNL, 100 FWL         L0NG. = 104, 1893989 W       LONG. = 104, 1893989 W       LOCATION         W 4 CONNER SEC. 33       OUARTER CONNER       Strant Conner         LNG. = 104, 1893989 W       LAT. = 32, 6174610 K       LAT. = 32, 6174610 K         W 4 CONNER SEC. 33       OUARTER CONNER       Strant Conner       Strant Conner         LNG. = 104, 193346W       LONG. = 104, 1522040 W       LONG. = 104, 1572040 W       Dot         NMSP EAST (FT)       N = 568309.04       E = 59057.73       MMSP EAST (FT)       Dot         N = 568309.04       E = 590555 W       2657.65 FT       S89 40'46'W       2657.46 FT         SW CORNER SEC. 33       S4 CONNER SEC. 33       SECTION CORER       SC Conner       SC Conner       SC Conner         M = 32,6099003N       LAT. = 32,6099003N <td< td=""><td></td><td>Printed Name</td></td<>		Printed Name
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	40   BOTTOM E = 585409.33	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	OF HOLE LAST TAKE POINT ON LAT. = 32.6184556N FTP -	
W/4 CORPER SEC. 33 UMAPIER CORNER IAI. = 32.6172067H IAI. = 32.6172067H IAI. = 32.6172067H IAI. = 32.6172067H IAI. = 32.6172067H IAI. = 32.6172067H IAI. = 32.6171899N INSP EAST (FT) N = 588307.74 IAI. = 32.6171899N INSP EAST (FT) N = 588307.74 IAI. = 32.6171899N INSP EAST (FT) N = 588307.74 IAI. = 32.6171899N INSP EAST (FT) S89 40'24'W 2655.81 FT S89 40'25'W 2657.67 FT S89 40'46'W 2657.76 FT S89 40'40'W 2657.76 F		E-mail Address
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	W/4 CORNER SEC. 33 OUARTER CORNER SHAMROCK 34 FED 340'	<b>SURVEYOR CERTIFICATION</b>
$SEC_{-33} = \frac{33}{120} = \frac{1}{20} = \frac{1}{2$		
$SEC_{-33} = \frac{33}{120} = \frac{1}{20} = \frac{1}{2$	NMSP EAST (FT) LAT. = 32.6171889'N (NAD83) 9 N = 588276.46 N = 588307.74 LONG. = 104.1572040'W 9	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
SB9 41'20'W 2657.33 FT       SB9 40'24'W 2656.81 FT       SB9 40'55'W 2657.67 FT       SB9 40'46'W 2657.46 FT         SW CORNER SEC, 33 LAT, = 32.6099003N LONG, = 104.1908777W       S/4 CORNER SEC, 33 LAT, = 32.6099003N LONG, = 104.1908777W       S/4 CORNER SEC, 34 LAT, = 32.6099001N LONG, = 104.1908777W       SECTION CORNER LAT, = 32.6099001N LONG, = 104.1908777W       SECTION CORNER LAT, = 32.6099001N LONG, = 104.190877W       SECTION CORNER LAT, = 32.6099001N LAT, = 32.6099001N LAT, = 32.6099001N LONG, = 104.196874W       SECTION CORNER LAT, = 32.6099001N LAT, = 32.6099001N LAT, = 32.6099001N LAT, = 32.6099001N LONG, = 104.186367W       SECTION CORNER LAT, = 32.6099001N LAT, = 32.609001N LAT, = 32.6090000 LAT, = 32.609001N LAT, = 32.609001N LAT, = 32.609001		piolied from field noies of actual surveys made by me or under
SB9 40'24'W 2657.33 FT         SB9 40'24'W 2657.36 FT         SB9 40'55'W 2657.67 FT         SB9 40'46'W 2657.46 FT         January Colspan="2">Tele of Survey         January Colspan="2">January Colspan="2">January Colspan="2">January Colspan="2">SB8 Colspan= 2"SB8 Solspa="2"SB8 Solspan="2"SB8 Solspan="2"SB8 Solspan="2"S	₩ ★ E = 595566.64	my supervision, and that the same is true and correct to the
SB9 40'24'W 2657.33 FT         SB9 40'24'W 2657.36 FT         SB9 40'55'W 2657.67 FT         SB9 40'46'W 2657.46 FT         January Colspan="2">Tele of Survey         January Colspan="2">January Colspan="2">January Colspan="2">January Colspan="2">SB8 Colspan= 2"SB8 Solspa="2"SB8 Solspan="2"SB8 Solspan="2"SB8 Solspan="2"S	88.8	best of my belief.
SB9 41'20'W 2657.33 FT         SB9 40'24'W 2656.81 FT         SB9 40'55'W 2657.67 FT         SB9 40'46'W 2657.46 FT           SW CORNER SEC, 33 LAT, = 32.6099003N LONG, = 104.1902777W         S/4 CORNER SEC, 33 LAT, = 32.6099003N LONG, = 104.1902777W         S/4 CORNER SEC, 34 LAT, = 32.6099001N LONG, = 104.190277F         S/4 CORNER SEC, 34 LAT, = 32.6099001N LONG, = 104.190277F         S/4 CORNER SEC, 34 LAT, = 32.6099001N LONG, = 104.190277F         S/4 CORNER SEC, 34 LAT, = 32.6099001N LONG, = 104.19027F         S/4 CORNER SEC, 34 LAT, = 32.6010101N LAT, = 32.6010101N LAT, = 32.6010101N LAT, = 32.60101N LAT, = 32.6010N LAT, = 32.60	NO3	EEBDIADV 17 2020
SW CORNER SEC. 33 LAT. = 32.6099003N LONG. = 104.1902777W         S/4 CORNER SEC. 33 LAT. = 32.6099003N LONG. = 104.1802499W         S/4 CORNER SEC. 34 LAT. = 32.6099001N LONG. = 104.1802499W         S/4 CORNER SEC. 34 LAT. = 32.6099001N LONG. = 104.1802499W         Description         Descript	CR0/41/00/W 2657 37 CT CUM/20/24/W 2656 W1 CT S80/40/55/W 2657 67 CT S80/40/46/W 2657 46 FT	
$ \begin{array}{llllllllllllllllllllllllllllllllllll$		Date of Survey
NMSP EAST (FT)         N = 585561.87       N = 585563.30       N = 585571.44       N = 585686.20       N = 585701.06         E = 585202.25       E = 587858.90       E = 590515.02       E = 593172.01       E = 595528.78	LAT = 32.6099003'N LAT = 32.6099298'N LAT = 32.6099608'N LAT = 32.6099901'N LAT = 32.6100191'N	A STANKER A LA
$\vec{E} = 595202.25 \qquad \vec{E} = 597850.90 \qquad \vec{E} = 590515.02 \qquad \vec{E} = 593172.01 \qquad \vec{E} = 595828.78 \qquad \textbf{Signature and Seal of Proceedings}$	NMSP EAST (FT) NMSP EAST (FT) NMSP EAST (FT) NMSP EAST (FT)	A THIN CONSTANTS
Certificate Number: ARAMELOSPE 12797		121 Star As a Contraction of the
Certificate Number: ARAMELOSPE 12797		Signature and Keal of entry and
Potence (state)		
TULESSURVAT NO. 7986		Ponseno IONA-
		10/ 2550RUM NO. 7986



Intent As Drilled		
API #		
Operator Name:	Property Name:	Well Number
COLGATE OPERATING, LLC	SHAMROCK 34 FED STATE COM	132H

## Kick Off Point (KOP)

1

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitu	de				Longitude				NAD

# First Take Point (FTP)

UL H	Section 34	Township 19S	Range 28E	Lot	Feet 2210	From N/S NORTH	Feet 100	From E/W EAST	County EDDY
Latitu	Latitude				Longitude				NAD
32.6	32.6184556			104.1563	3783			83	

## Last Take Point (LTP)

UL E	Section 33	Township 19S	Range 28E	Lot	Feet 2210	From N/S NORTH	Feet 100	From E/W WEST	County EDDY
Latitude					Longitud	de		NAD	
32.6182972					104.1	898989		83	

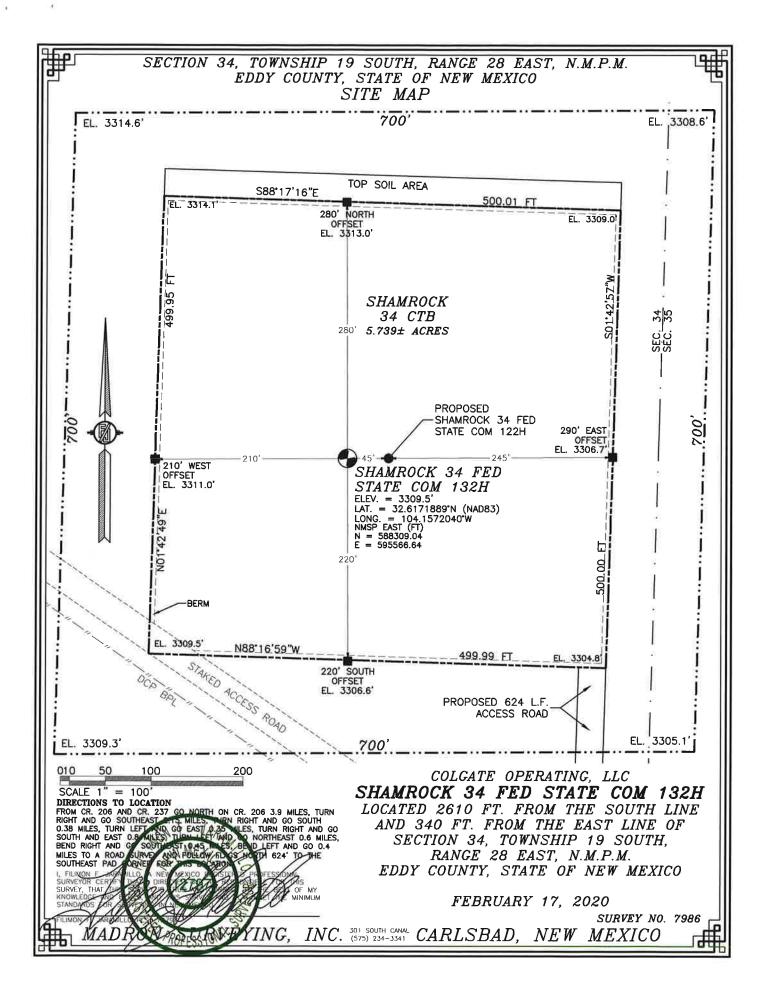
Is this well the defining well for the Horizontal Spacing Unit?

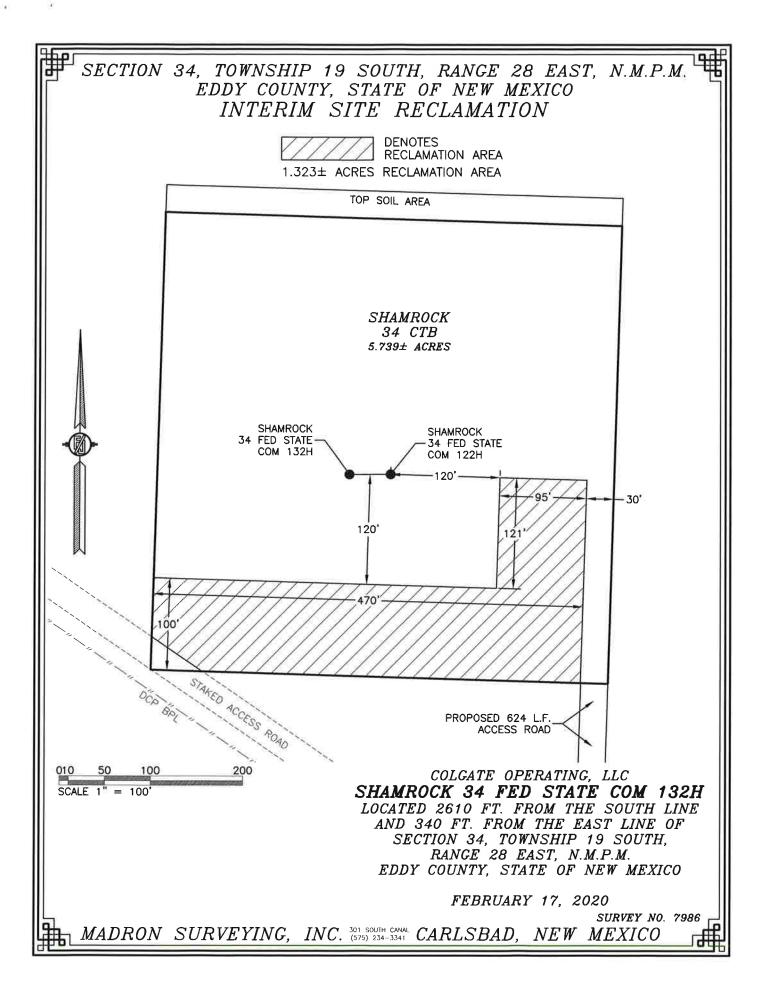
Is this well an infill well?

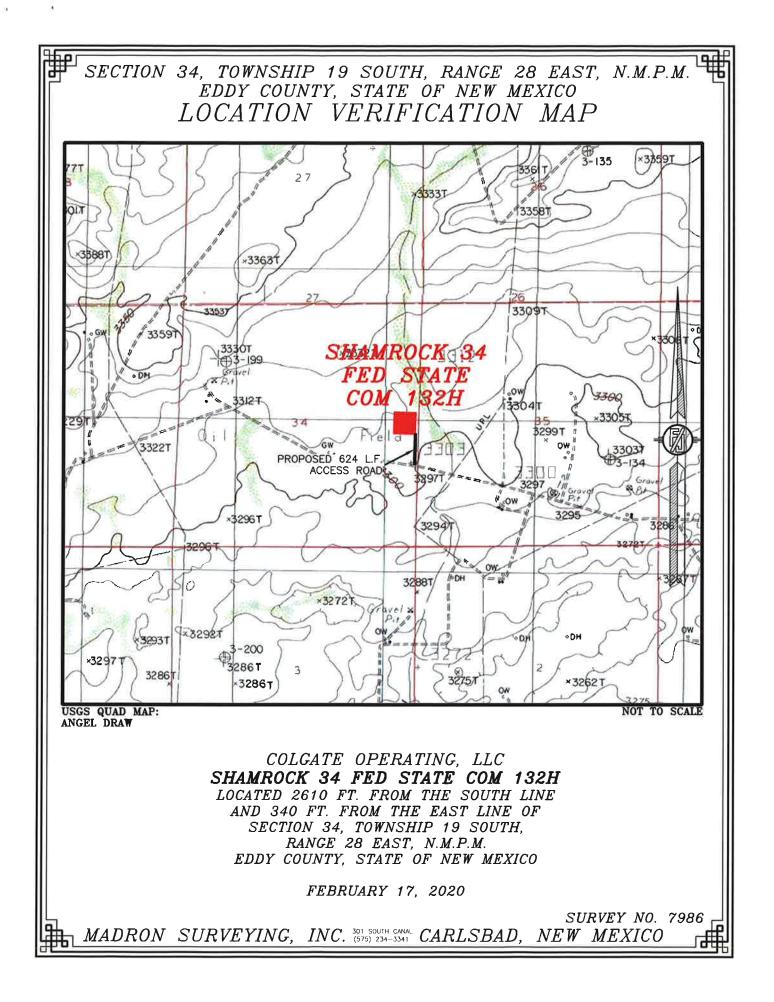
If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

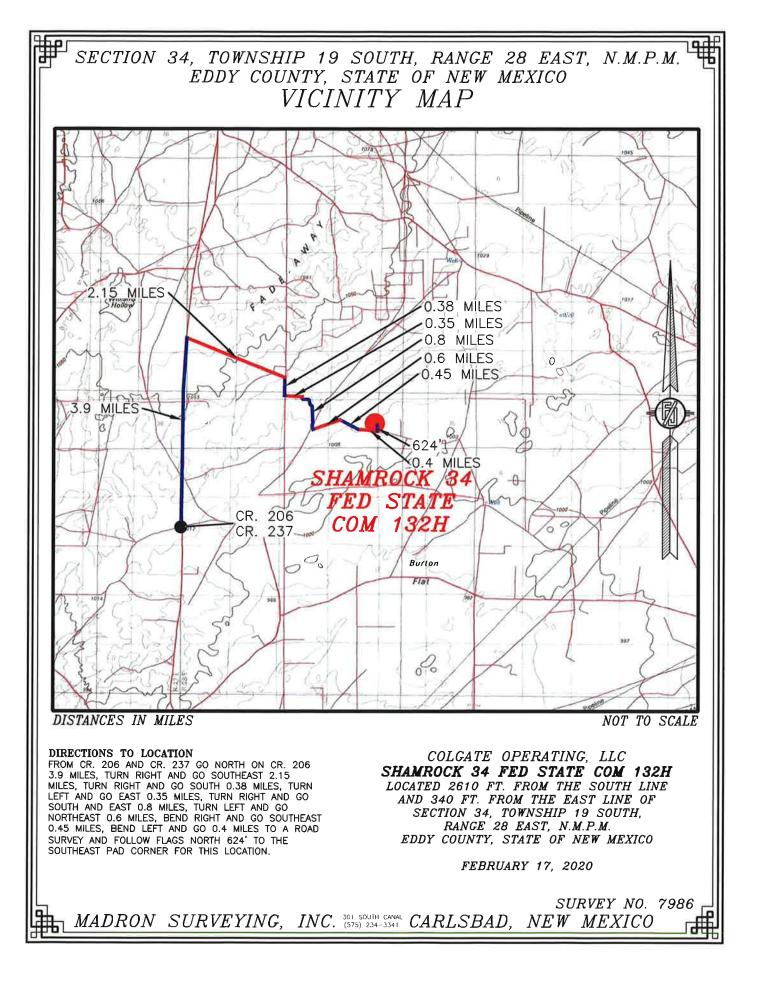
API #		
Operator Name:	Property Name:	Well Number

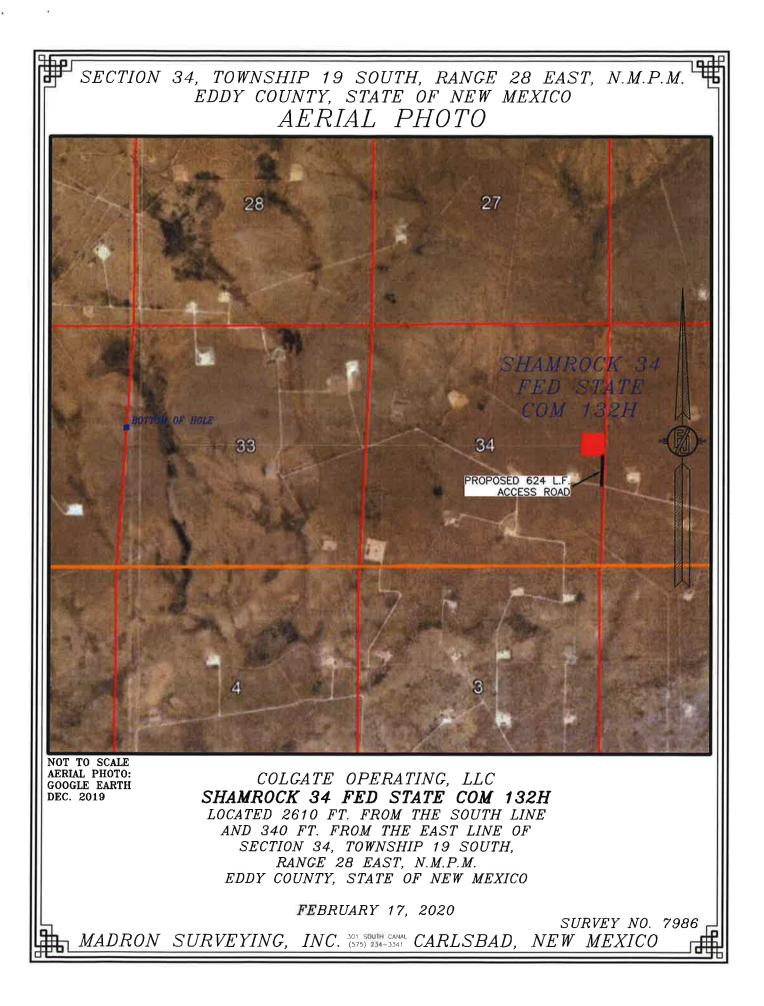
KZ 06/29/2018

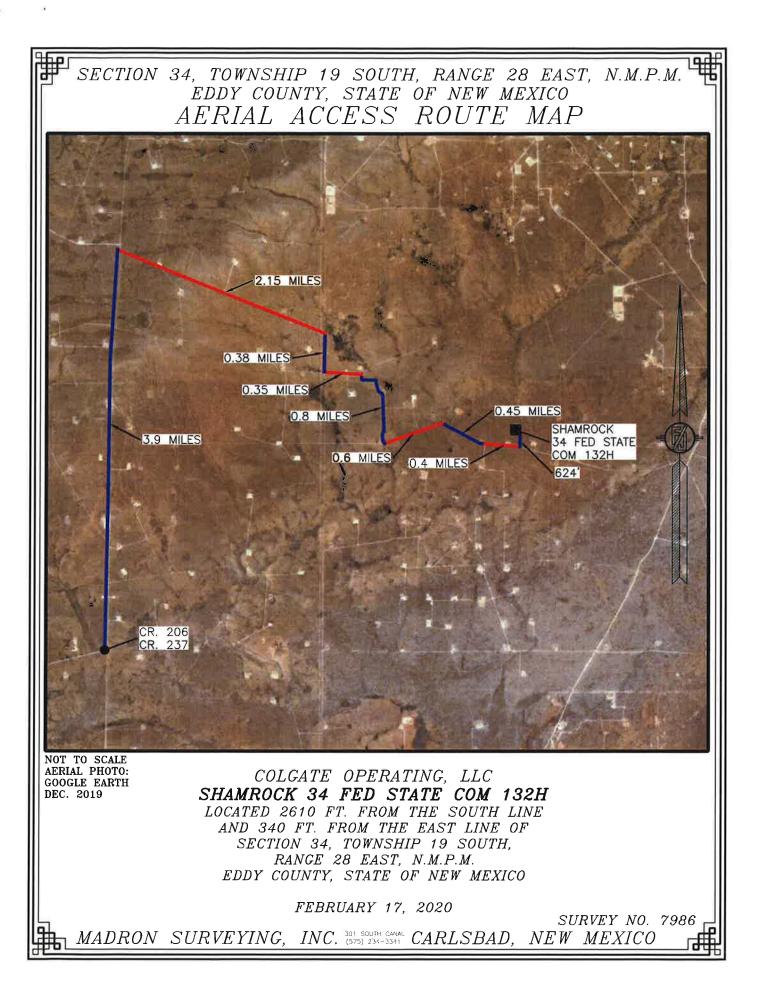


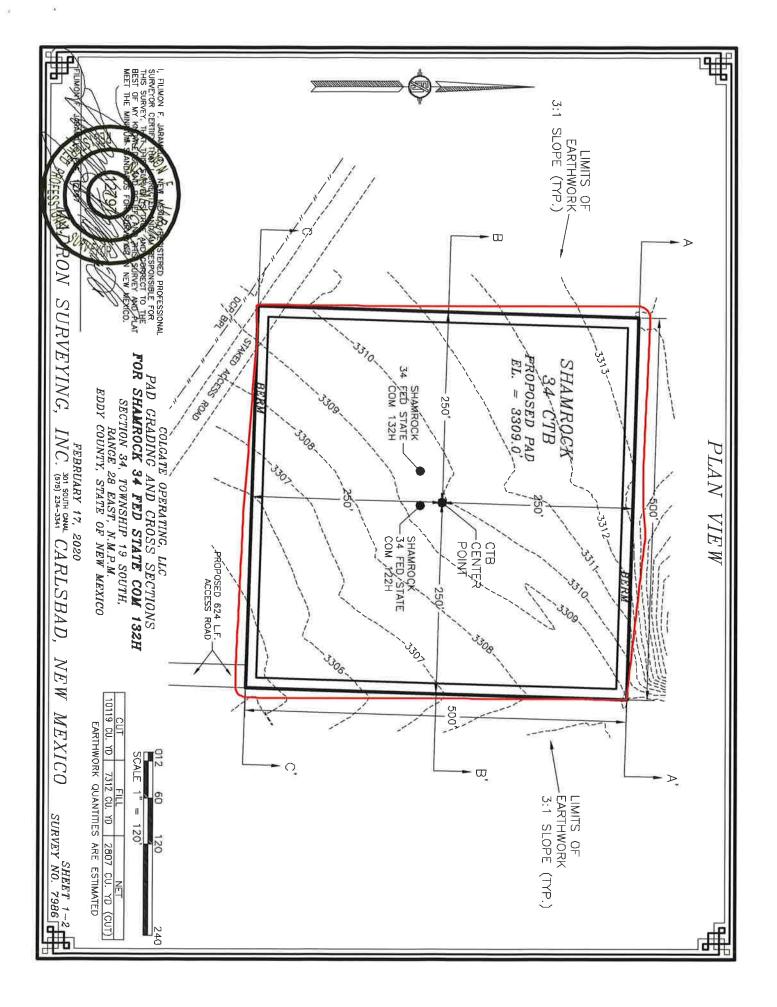


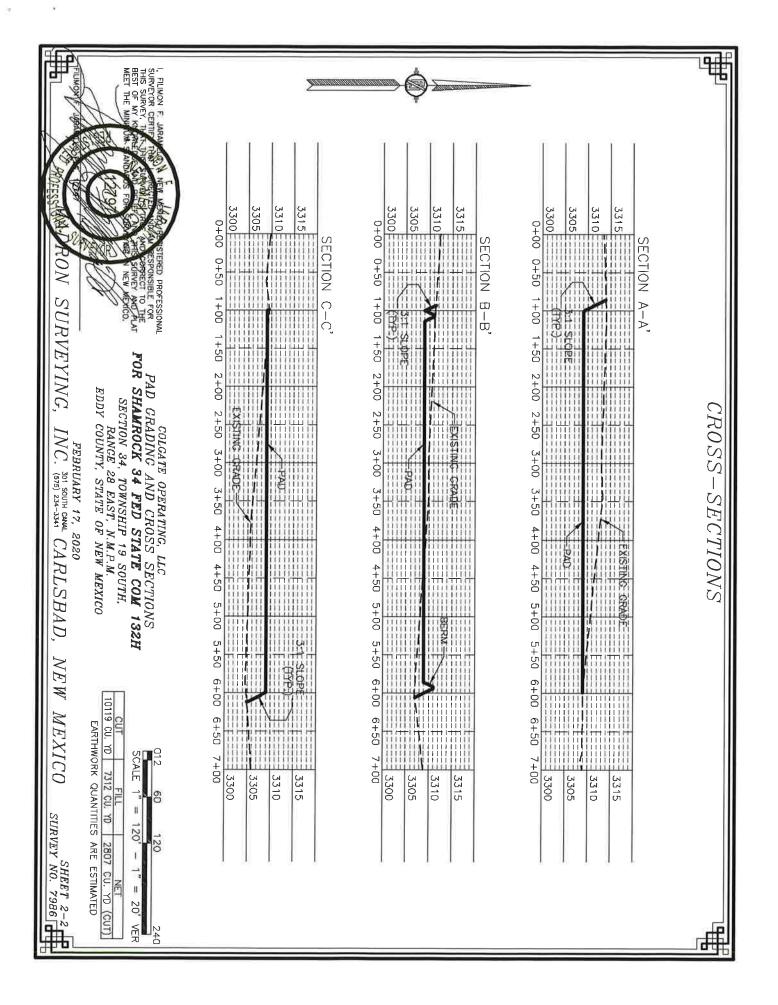


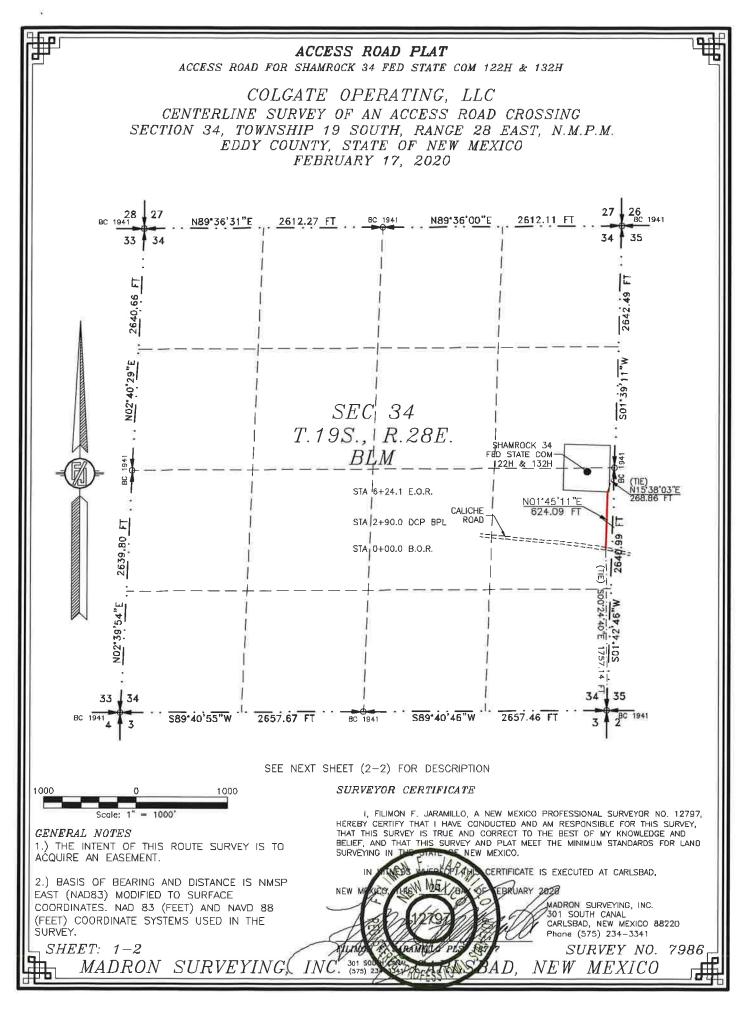












ACCESS ROAD FOR SHAMROCK 34 FED STATE COM 122H & 132H

COLGATE OPERATING, LLC CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO FEBRUARY 17, 2020

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

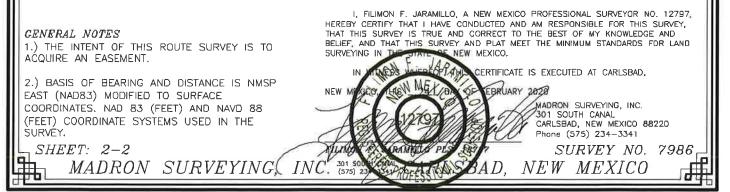
BEGINNING AT A POINT WITHIN THE NE/4 SE/4 OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M., WHENCE THE SOUTHEAST CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS SOO'24'40"E, A DISTANCE OF 1757.14 FEET;

THENCE NO1'45'11"E A DISTANCE OF 624.09 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE EAST QUARTER CORNER OF SAID SECTION 34, TOWNSHIP 19 SOUTH, RANGE 28 EAST, N.M.P.M. BEARS N15'38'03"E, A DISTANCE OF 268.86 FEET;

SAID STRIP OF LAND BEING 624.09 FEET OR 37.82 RODS IN LENGTH, CONTAINING 0.430 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 SE/4 624.09 L.F. 37.82 RODS 0.430 ACRES

SURVEYOR CERTIFICATE



Yes	0.021%	0.13163	2	Olin Garrett, et ux
Yes	0.117%	0.74588	2	Galkay
Yes	0.336%	2.14988	2	Current Trustee Under Declaration of Trust dated August 28, 1982, executed by Alice G. Davis
Yes	0.336%	2.14987	2	J.W. Davis
Yes	0.178%	1.14075	2	Paul Umbarger, et ux
Yes	0.035%	0.225	2	John C. Rocovich, Jr, et ux
Yes	1.063%	6.8042	2	Magnum Hunter Production, Inc.
Yes	0.029%	0.1853	2	Geoffrey Lanceley
Yes	1.367%	8.7488	2, 3	Myrlene Mannschreck Dillon
Yes	21.111%	135.11	2, 3	OXY USA WTP Limited Partnership
Yes	0.781%	5	2	Crump Energy Partners III, LLC
Yes	0.781%	5	2	Crown Oil Partners VI, LLC
Yes	49.844%	319	1	EOG Resources
No	2.205%	14.1131	2, 3	CM Resources, LLC
Operator	19.153%	122.578	1, 2, & 3	Colgate Production, LLC
FORCE POOL INTEREST	WI	NET	TRACT	WI OWNER DAWSON



Russel Cranmer 3	Duer Wagner, III 3		CS Canital Management 3	HCH Investments, LLC 3	Douglas C. Cranmer and Russell B. Cranmer,Trustees of Russell E. Cranmer, Irrevocable Trustdated December 28, 1992	Intrepid Energy, Ltd. 2	Ted J. Werts 2	Gerald L. Michaud 2	John R. Kline 2	William L. Hillard 2	 Robert G Ettleson 2.3	Marv L. Kline 2, 3	Hodge Natural Gas Gathering Inc. 2	Wildest Energy LLC 2	Marital Trust
0.08525	0.6036	0.00100	0 08133	0.08133	0.27706	3.08486	0.06394	0.12786	0.22378	0.12786	0.14918	0.14918	0.06394	0.44702	0.0959
0.013%	0.094%	0.01070	0 013%	0.013%	0.043%	0.482%	0.010%	0.020%	0.035%	0.020%	0.023%	0.023%	0.010%	0.070%	0.015%
Yes	Yes	F C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

			<b>T T</b>	TT		TT		
CM	Tract 1	Katherin Ferguson	Sombrero Associates	Robert H. Krieble et ux	Bill Ferguson	Catherine E. Huffman	Elizabeth Tullis Dillard	
ñ		ω	2	2	2	2	3	
		0.12789	0.22378	0.22376	0.51149	0.08333	10	
		 0.020%	0.035%	0.035%	0.080%	0.013%	1.563%	
SM	Tract 2	Yes	Yes	Yes	Yes	Yes	Yes	
ř	Tract 3							

34

Douglas Cranmer

ω

0.08525

0.013%

Yes

# Communication Timeline

November 4, 2019 – Initial proposals sent for the Dawson 34 Fed Com 133H, 134H, 123, and 142H

**October/November, 2019** – Numerous emails and phone calls with Crown/Crump about acquiring their acreage, including cash offers. Formal offers never received a final response from Crown/Crump. They have also not submitted and election or signed an OA.

**November 2019 to February 2020** – Extensive email discussion with Abbejane White Bates, Krista Stephenson, and JM Bryan regarding development plans and timing. No election or decision to sell provided by them.

**January 2020** – Following a request for offer to purchase, made offers to purchase to HCH, C5, and Huffman. Indicated they will likely participate. Attempted to purchase Waddill's and B&H Royalty; however, title issues have delayed/prevented closing to date.

**January/February, 2020** – Michaud communicated intent to participate in the wells but has not sent back elections or signed a JOA.

**February-May, 2020** – Continued discussions with Crown/Crump regarding respective plans, no final election received.

**November 2019-Present** – Received and returned a number of phone calls from WI owners. Provided requested data and informed them of their options. At present a number of these parties have not responded with their preferred course of action.

May 2020 – Continuing to work trade options with Magnum Hunter. Not finalized at this time nor have they returned their elections.

**November 2019 to May 2020** – Numerous conversations with OXY regarding participation, sale, or trade. Oxy is currently still reviewing a number of options. In the meantime, OXY has agreed to withdraw any protest and allow Colgate to proceed forward as operator of the wells.

**May 20, 2020** – As of this date a number of the parties have not been locatable following exhaustive attempts to locate good addresses, have not responded to the notices or have not provided follow up decisions regarding their intent to sell or participate. Outside of Oxy the other larger WI owners have not responded to discussions on these wells. Trade attempts were made with COG; however, good faith negotiations have stalled and no viable trade is currently available.

WIOWNER         FRACE         IRACE         INF         FORCE POOL INTEREST           Colgate Production, LLC         1, 2, & 3         133, 578         20, 872%         Operator           CM Resources, LLC         2, 3         13, 0849         2, 045%         No           Crown Oil Partners VI, LLC         2         5         0, 781%         Yes           Crump Energy Partners III, LLC         2         5         0, 781%         Yes           Myriene Mannschreck Dillon         1, 2, 3         179, 85         28, 102%         Yes           Myriene Mannschreck Dillon         2, 3         1, 419         0, 022%         Yes           John C. Rocovich, Jr, et ux         2         0, 14219         0, 022%         Yes           John C. Rocovich, Jr, et ux         2         1, 14075         0, 178%         Yes           Juw. Davis         2         1, 14075         0, 178%         Yes           Juw. Davis         2         1, 14075         0, 36%         Yes           Magnum Hunter Production of Trust dated         2         1, 14075         0, 36%         Yes           Juw. Davis         2         2, 14987         0, 36%         Yes           Gaurent Trustee Under Declaration of Trust dated	Yes	0.015%	0.0959	2	Nelson & Co., for the Benefit of John D. Wile Marital Trust
<b>TRACTNETWIFORCF</b> $1, 2, \& 3$ $133.578$ $20.872\%$ $20.872\%$ $2, 3$ $13.0849$ $2.045\%$ $2.045\%$ $2, 3$ $13.0849$ $2.045\%$ $2.045\%$ $2, 3$ $13.0849$ $2.045\%$ $2.045\%$ $2, 3$ $13.0849$ $2.045\%$ $2.73\%$ $1, 2, 3$ $179.85$ $28.102\%$ $2.33$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $0.022\%$ $2, 3$ $7.4988$ $0.178\%$ $2$ $0.14219$ $0.022\%$ $2$ $0.225$ $0.035\%$ $2$ $1.14075$ $0.178\%$ $2$ $2.14987$ $0.336\%$ $2$ $2.14988$ $0.336\%$ $2$ $0.74588$ $0.117\%$	Yes	U.UZ1%0	0.13103	2	OIIII Oalleit, et dx
<b>TRACTWIFORCE</b> $1, 2, \& 3$ $133.578$ $20.872\%$ $2, 3$ $13.0849$ $2.045\%$ $2, 3$ $13.0849$ $2.045\%$ $2, 3$ $13.0849$ $2.045\%$ $2, 3$ $13.0849$ $2.045\%$ $1, 2, 3$ $179.85$ $0.781\%$ $2, 3$ $179.85$ $28.102\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $0.035\%$ $2$ $0.14219$ $0.022\%$ $2$ $0.225$ $0.035\%$ $2$ $1.14075$ $0.178\%$ $2$ $2.14987$ $0.336\%$ $2$ $2.14988$ $0.336\%$ $2$ $0.74588$ $0.117\%$	v	/ 1110 0	C 1171 C	c	Olin Comot at my
<b>TRACTWIFORCE</b> $1, 2, \& 3$ $133.578$ $20.872\%$ $2, 3$ $13.0849$ $2.045\%$ $2, 3$ $13.0849$ $2.045\%$ $2, 3$ $13.0849$ $2.045\%$ $2, 3$ $13.0849$ $2.045\%$ $1, 2, 3$ $13.0849$ $2.045\%$ $1, 2, 3$ $179.85$ $28.102\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $0.035\%$ $2, 3$ $2.14987$ $0.336\%$ $2, 14988$ $0.336\%$ $3.36\%$	Yes	0.117%	0.74588	2	Galkay
<b>TRACTNETWIFORCE</b> $1, 2, \& 3$ $133.578$ $20.872\%$ $50.872\%$ $2, 3$ $13.0849$ $2.045\%$ $2.045\%$ $2, 3$ $13.0849$ $2.045\%$ $2.045\%$ $2, 3$ $13.0849$ $2.045\%$ $2.045\%$ $1, 2, 3$ $13.0849$ $2.045\%$ $2.045\%$ $1, 2, 3$ $179.85$ $0.781\%$ $2.045\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $7.4988$ $1.172\%$ $2, 3$ $0.022\%$ $0.022\%$ $2, 3$ $0.022\%$ $0.035\%$ $2, 3$ $0.035\%$ $0.178\%$ $2, 2.14987$ $0.336\%$ $0.336\%$ $2.14988$ $0.336\%$ $0.336\%$					
WIOWNERIRACTNETWIFORCEate Production, LLC $1, 2, \& 3$ $133.578$ $20.872\%$ $20.872\%$ A Resources, LLC $2, 3$ $13.0849$ $2.045\%$ $2.045\%$ Oil Partners VI, LLC $2$ $5$ $0.781\%$ $1.0849$ mergy Partners III, LLC $2$ $5$ $0.781\%$ $1.0849$ e Mannschreck Dillon $2, 3$ $7.4988$ $1.172\%$ e Mannschreck Dillon $2, 3$ $7.4988$ $1.172\%$ Hunter Production, Inc. $2$ $6.8042$ $1.063\%$ J. W. Davis $2$ $1.14075$ $0.178\%$ J.W. Davis $2$ $2.14987$ $0.336\%$	Yes	0.336%	2.14988	2	Current Trustee Under Declaration of Trust dated August 28, 1982, executed by Alice G. Davis
WIOWNER         TRACT         NET         WI         FORCE           ate Production, LLC $1, 2, \& 3$ $133.578$ $20.872\%$ $20.872\%$ A Resources, LLC $2, 3$ $13.0849$ $2.045\%$ $2.045\%$ $2.045\%$ Oil Partners VI, LLC $2$ $5$ $0.781\%$ $2.045\%$ $2.045\%$ Nergy Partners III, LLC $2$ $5$ $0.781\%$ $2.045\%$ $2.045\%$ WTP Limited Partnership $1, 2, 3$ $179.85$ $28.102\%$ $2.02\%$ $2.045\%$ $2.02\%$ e Mannschreck Dillon $2, 3$ $7.4988$ $1.172\%$ $2.02\%$ $2.02\%$ $2.02\%$ $2.02\%$ $2.02\%$ $2.02\%$ $2.02\%$ $2.02\%$ $2.02\%$ $2.02\%$ $2.02\%$ $2.02\%$ $2.02\%$ $2.035\%$ $2.035\%$ $2.035\%$ $2.035\%$ $2.035\%$ $2.035\%$ $2.103\%$ $2.100\%$ $2.2$ $2.14987$ $0.336\%$ $2.2$ $2.14987$ $0.336\%$ $2.2$ $2.14987$ $0.336\%$ $2.2$ $2.14987$ $0.336\%$ $2.2$					
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WI OWNER         TRACT         NET         WI         FORCE           ate Production, LLC $1, 2, \& 3$ $133.578$ $20.872\%$ $133.578$ $20.872\%$ A Resources, LLC $2, 3$ $13.0849$ $2.045\%$ $2.045\%$ $1.01\%$ Oil Partners VI, LLC $2$ $5$ $0.781\%$ $1.05\%$ $1.05\%$ Inergy Partners III, LLC $2$ $5$ $0.781\%$ $1.2,3$ $179.85$ $28.102\%$ WTP Limited Partnership $1, 2, 3$ $179.85$ $28.102\%$ $1.172\%$ e Mannschreck Dillon $2, 3$ $7.4988$ $1.172\%$ $1.172\%$ eoffrey Lanceley $2$ $0.14219$ $0.022\%$ $0.035\%$ Hunter Production, Inc. $2$ $0.255$ $0.035\%$ $0.035\%$ $2$ $0.225$ $0.035\%$ $0.178\%$	100	0.11.010		I	
<b>WI OWNERTRACTNETWIWIFORCE</b> ate Production, LLC $1, 2, \& 3$ $133.578$ $20.872\%$ $20.872\%$ A Resources, LLC $2, 3$ $13.0849$ $2.045\%$ $2.045\%$ $2.045\%$ OII Partners VI, LLC $2$ $5$ $0.781\%$ $2.045\%$ Nergy Partners III, LLC $2$ $5$ $0.781\%$ $2.045\%$ WTP Limited Partnership $1, 2, 3$ $179.85$ $28.102\%$ e Mannschreck Dillon $2, 3$ $7.4988$ $1.172\%$ eoffrey Lanceley $2$ $6.8042$ $1.063\%$ Hunter Production, Inc. $2$ $0.225$ $0.035\%$	Ves	0.178%	1.14075	2	Paul Umbarger, et ux
<b>WIOWNERTRACTNETWIFORCE</b> ate Production, LLC $1, 2, \& 3$ $133.578$ $20.872\%$ A Resources, LLC $2, 3$ $13.0849$ $2.045\%$ $2.045\%$ Oil Partners VI, LLC $2$ $5$ $0.781\%$ $3.578$ Nergy Partners III, LLC $2$ $5$ $0.781\%$ $3.578$ WTP Limited Partnership $1, 2, 3$ $179.85$ $28.102\%$ $3.578$ e Mannschreck Dillon $2, 3$ $7.4988$ $1.172\%$ eoffrey Lanceley $2$ $6.8042$ $1.063\%$ $3.578$	Yes	0.035%	0.225	2	Rocovich, Jr,
<b>WIOWNERTRACTNETWIFORCE</b> ate Production, LLC $1, 2, \& 3$ $133.578$ $20.872\%$ $133.578$ $20.872\%$ A Resources, LLC $2, 3$ $13.0849$ $2.045\%$ $1.0849$ $2.045\%$ $1.0119$ I Partners VI, LLC $2$ $5$ $0.781\%$ $1.0119$ $1.12\%$ $1.172\%$ I partners VI, LLC $2$ $5$ $0.781\%$ $1.172\%$ I partners VI, LLC $2$ $5$ $0.781\%$ $1.172\%$ I partners III, LLC $2, 3$ $179.85$ $28.102\%$ $1.172\%$ I partners III, LLC $2, 3$ $7.4988$ $1.172\%$ $1.172\%$ I partners III, LLC $2, 3$ $7.4988$ $1.172\%$ $1.063\%$ I partners III, LLC $2$ $6.8042$ $1.063\%$ $1.063\%$					
<b>WIOWNERTRACTNETWIFORCE</b> ate Production, LLC $1, 2, \& 3$ $133.578$ $20.872\%$ $4$ Resources, LLC $2, 3$ $13.0849$ $2.045\%$ $1.019\%$ $1$ Oil Partners VI, LLC $2$ $5$ $0.781\%$ $1.0781\%$ $1$ Oil Partners III, LLC $2$ $5$ $0.781\%$ $1.0781\%$ $2$ $5$ $0.781\%$ $1.2,3$ $179.85$ $28.102\%$ $2$ $5$ $0.781\%$ $1.2,3$ $179.85$ $28.102\%$ $2$ $2,3$ $7.4988$ $1.172\%$ $1.172\%$ $2$ $2$ $2$ $0.14219$ $0.022\%$ $1.172\%$	Yes	1.063%	6.8042	2	Magnum Hunter Production, Inc.
WI OWNER         TRACT         NET         WI         FORCE           ate Production, LLC $1, 2, \& 3$ $133.578$ $20.872\%$ A Resources, LLC $2, 3$ $13.0849$ $2.045\%$ Oil Partners VI, LLC $2$ $5$ $0.781\%$ Nergy Partners III, LLC $2$ $5$ $0.781\%$ WTP Limited Partnership $1, 2, 3$ $179.85$ $28.102\%$ e Mannschreck Dillon $2, 3$ $7.4988$ $1.172\%$					L L
WI OWNER         TRACT         NET         WI         FORCE           ate Production, LLC         1, 2, & 3         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.872%         133.578         20.45%         133.578         20.45%         133.578         20.45%         133.578         20.45%         133.578         20.45%         133.578         20.45%         133.578         20.45%         133.578         20.45%         133.578         20.45%         133.578         20.45%         143.578         143.578         143.578         20.781%         143.578         20.781%         143.578         143.578         143.578         20.781%         143.578         143.578         143.578         143.578         143.578         143.578	Yes	0.022%	0.14219	2	Geoffrey Lanceley
WIOWNER         IRACT         NET         WI         FORCE           ate Production, LLC         1, 2, & 3         133.578         20.872%            A Resources, LLC         2, 3         13.0849         2.045%             Oil Partners VI, LLC         2         5         0.781%              Nergy Partners III, LLC         2         5         0.781%              WTP Limited Partnership         1, 2, 3         179.85         28.102%	Yes	1.172%	7.4988	2, 3	Myrlene Mannschreck Dillon
WI OWNER         IRACT         NET         WI         FORCE           ate Production, LLC         1, 2, & 3         133.578         20.872%            A Resources, LLC         2, 3         13.0849         2.045%             I Oil Partners VI, LLC         2         5         0.781%              I Oil Partners III, LLC         2         5         0.781%              WTP Limited Partnership         1, 2, 3         179.85         28.102%					
TRACTNETWIFORCEC1, 2, & 3133.57820.872%1, 2, & 313.084920.872%2.045%2, 313.08492.045%2.045%LC250.781%LLC250.781%	Yes	28.102%	179.85	1, 2, 3	
R         IMPOOL         TRACT         NET         WI         FORCE           n, LLC         1, 2, & 3         133.578         20.872%	Yes	0.781%	5	2	Crump Energy Partners III, LLC
R         IMPORT         INET         WI         FORCE           n, LLC         1, 2, & 3         133.578         20.872%					
Image: Network         With Force           1, 2, & 3         133.578         20.872%           2, 3         13.0849         2.045%	Yes	0.781%	5	2	Crown Oil Partners VI, LLC
Implement         TRACT         NET         WI         FORCE           1, 2, & 3         133.578         20.872%	211	2.01070	100017	r, .	
Import         TRACT         NET         WI         FORCE           1, 2, & 3         133.578         20.872%	No	2 045%	13 0849	с ч	CM Resources LLC
SHAMPOOK TRACT NET WI FORCE	Operator	20.872%	133.578	1, 2, & 3	Colgate Production, LLC
	CE	WI	NET	TRACT	WI OWNER SHAM POOK



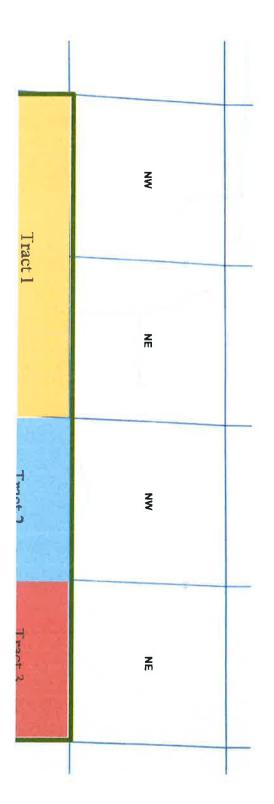
Yes	0.094%	0.6036	ω	Duer Wagner, III
Yes	0.010%	0.061	3	C5 Capital Management
+ ¢2				
Vec	0.010%	0.061	ω	HCH Investments, LLC
Yes	0.013%	0.08525	ယ	Douglas C. Cranmer and Russell B. Cranmer, Trustees of Russell E. Cranmer, Irrevocable Trust dated December 28, 1992
Yes	0.030%	0.19181	2	Douglas C. Cranmer and Russell B. Cranmer, Trustees of Russell E. Cranmer, Irrevocable Trust dated December 28, 1992
Yes	0.482%	3.08486	2	Intrepid Energy, Ltd.
Yes	0.010%	0.06394	2	Ted J. Werts
Yes	0.020%	0.12786	2	Gerald L. Michaud
Yes	0.035%	0.22378	2	John R. Kline
Yes	0.020%	0.12786	2	William L. Hillard
Yes	0.020%	0.12787	2, 3	Robert G. Ettleson
res	0.020%	0.12/8/	2, 3	IVIALY L. NITTE
V.		0 10707	ג ג	
Yes	0.010%	0.06394	2	Hodge Natural Gas Gathering, Inc.
Yes	0.070%	0.44702	2	Wildcat Energy, LLC

6       0.035%       Yes         1       0.030%       Yes         1       0.553%       Yes         1       0.781%       Yes         1       0.003%       Yes         1       0.003%       Yes         1       15.938%       Yes         11.875%       Yes	0.22376 0.19181 0.19181 3.53781 5 5 0.02131		Robert H. Krieble et ux Sombrero Associates Katherine Ferguson Robert K. Hillin Raquel Womack ZPZ Delaware I LLC COG Operating Adene Sealy
9 0.080% Yes	0.51149	2	Bill Ferguson
0.010% Yes	0.0625	ω	Catherine E. Huffman
1.563% Yes	10	ω	Elizabeth Tullis Dillard
5 0.013% Yes	0.08525	ω	Douglas Cranmer
5 0.013% Yes	0.08525	ω	Russel Cranmer

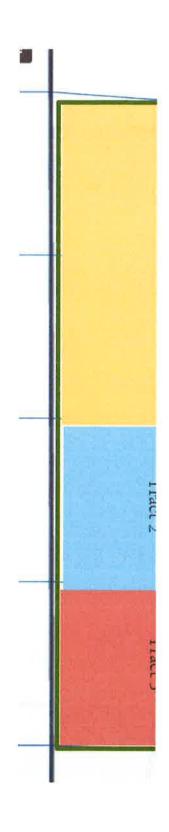
Yes	0.040%	0.25571	2	William Hilliard
100	0.010.0	0.11172	,	(respectively compared)
Vec	0.018%	0 11792	_	Dorsar Investment Company
Yes	0.012%	0.07862	-	Heirs of Martin T. Hart et ux
Yes	0.005%	0.03125	_	Dale Wade Emmert
ICS	0.37070	2.00	-	
V	/00000	22 C	_	COC ON & Con I B
Yes	0.008%	0.05241	1	Clinton H. Dean Jr.
Yes	0.317%	2.03125	1	Cheron Oil & Gas Co.
Yes	0.400%	2.55896		Charles Eugene Cooper & DeAnn Hutson
103	V.TVV/0	2.20000	-	
Vec	0 400%	7 55806	-	Heirs of Ryrl W Harris
103	0.010/0	0.1071/	-	
Vac	0.016%	0 10/17	-	Heirs of James Welch
Yes	0.016%	0.10417	_	Heirs of Thomas F. Welch
Yes	0.016%	0.10417	-	Heirs of T. Welch (Bryan Welch)
163	0.177.0	1.2002	-	
Vec	0 1050%	1 25002	_	Rilly O Waddill
Yes	0.160%	1.02298	2,3	Bill Ferguson
Yes	0.016%	0.10417		Becky Ruth Welch Kitto
				d
Yes	0.398%	2.55	-	Barbara Brown Egbert

Yes	0.018%	0.11793	-	Heirs of Margaret A. Avery
Yes	0.195%	1.25	1	Krista Alicen Stephenson
Yes	0.195%	1.25002		John Duane Waddill
1 C C	0.0171.0		,	
Ves	0.012%	0.07862	-	Unknown heirs of Mallory Miller
103	0.012/0	0.07002	-	
Vac	20C1U U	0.07860	-	Inknown heirs of John T Olive
Yes	0.227%	1.45507	1	JCJ Investments, LLC
Yes	0.006%	0.03931	1	Janet E. Cowan
Yes	0.070%	0.44755	1	J. Darlene Kline
Yes	0.195%	1.25	1	International Petroleum Corporation
Yes	0.006%	0.03931	1	Heirs of Homer L. Wedig
				L
Yes	0.195%	1.25002	-	Gemmill Family Trust
Yes	0.400%	2.55896		Heirs of Fred Hansen
				c
Yes	0.400%	2.55896	-	Egbert Living Trust
Yes	0.391%	2.503	1	Heirs of Edward J. Brown
Yes	0.140%	0.89404	2,3	Wildcat Energy, LLC
Yes	0.012%	0.07862	1	Edna Louise Miller
Yes	0.781%	s	-	Unknown Heirs of M. G. MacNeill

Yes	0.098%	0.625	1	Tularosa Oil Company
103	0.70170	,	-	
Voo	0 7010/	ח	-	Thomas F Meaders
Yes	0.391%	2.5		Unknown heirs of Carroll T. Hutchens
Yes	0.012%	0.07862		Teryl D. Meyers
Yes	0.198%	1.26965	1	Heirs of Galen Egbert
Yes	0.098%	0.625		Togiak Resources, LLC
Yes	0.391%	2.5	<u> </u>	Unknown heirs of Richard Pruett
Yes	0.020%	0.12787	2	Robert Ettelson
Yes	0.024%	0.15625		Heirs of Ruby Castle
				C 
Yes	0.073%	0.46875	-	Pregler Oil Company LLC
Ĩ	0.02070	0.120	•	,
Yes	0.020%	0.125	_	Platform Energy III
Yes	0.391%	2.5	1	Heirs of Richard Pruett
Yes	0.005%	0.03125		EnPlat III, LLC
	0.012%	0.07862	-	Unknown Heirs of John Ponstord
Yes	0.781%	S	-	Peggy Runyan
Yes	0.672%	4.29952	2	Pamela A. Davis



JM Bryan Oil, LLC	Gene Wood Joint Venture Acct	L & J Cohen, Inc	Heirs of RF Haynesworth	Five J's Plus L, Inc	Virginia D. Kriz-Neeson, Successor to MC Neesen	Virginia B. Dean, et al	Heirs of Richard and Lorraine Vance	Heirs of V. Burfiend p/k/a Vernon Burfiend
	-		-					-
1.45507	0.30267	2.55896	0.768	2.5	0.07862	2.30048	0.07862	1.25
1.45507 0.227%	0.047%	0.400%	0.120%	0.391%	0.012%	0.359%	0.012%	0.195%
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes



# Communication Timeline

17

**November 1, 2019** – Initial proposals sent for the Shamrock 34 Fed Com 131H, 132H, 121, and 122H

**December 11, 2019** – Updated proposals sent for the Shamrock 34 Fed Com 131H, 132H, 121, and 122H

**November/December, 2019** – A number of proposals were returned undeliverable. Researched and updated address delivery list. Additionally, technical team made adjustments to the well plans which necessitate an updated proposal to be sent out in December.

**October/November, 2019** – Numerous emails and phone calls with Crown/Crump about acquiring their acreage, including cash offers. Formal offers never received a final response from Crown/Crump. They have also not submitted and election or signed an OA.

**January 2020** – Following a request for offer to purchase, made offers to purchase to HCH, C5, and Huffman. No further response once offers sent.

**January/February, 2020** – Michaud communicated intent to participate in the wells but has not sent back elections or signed a JOA.

**February-May, 2020** – Continued discussions with Crown/Crump regarding respective plans, no final election received.

**January-May 2020** – Various trade and cash acquisition discussions with Oxy. Oxy plans to participate under the order in the event no cash or trade deal materializes.

**November 2019-Present** – Received and returned a number of phone calls from WI owners. Provided requested data and informed them of their options. At present a number of these parties have not responded with their preferred course of action.

**May 2020** – Continuing to work trade options with Magnum Hunter. Not finalized at this time nor have they returned their elections.

**December 2019 to May 2020** – EOG and Colgate are finalizing a deal for Colgate to acquire EOG's interest in these lands.

May 20, 2020 – As of this date a number of the parties have not been locatable following exhaustive attempts to locate good addresses, have not responded to the notices or have not provided follow up decisions regarding their intent to sell or participate.

Via Certified Mail

November 4, 2019



Robert F. Haynsworth 6318 Turney Way Dallas, TX 75230

RE: Dawson 34 Fed Com Well Proposals S/2 of Section 33 and the S/2 of Section 34 T19S-28E, Bone Spring Formation Eddy County, New Mexico

Colgate Production, LLC ("Colgate"), hereby proposes the drilling of eight (8) wells, the Dawson 34 Fed Com 123H, 124H, 133H and 134H at the following locations:

Dawson 34 Fed Com 123H SHL: 1270' FSL and 300' FEL of Section 34-19S-28E BHL: 1910' FSL and 100' FWL of Section 33-19S-38E TVD: 7,455' TMD: 17,209' Targeted Interval: 2<sup>nd</sup> Bone Spring Total Cost: See AFE

Dawson 34 Fed Com 124H SHL: 1270' FSL and 300' FEL of Section 34-19S-28E BHL: 550' FSL and 100' FWL of Section 33-19S-38E TVD: 7,455' TMD: 17,209' Targeted Interval: 2<sup>nd</sup> Bone Spring Total Cost: See AFE

Dawson 34 Fed Com 133H SHL: 1270' FSL and 300' FEL of Section 34-19S-28E BHL: 1790' FSL and 100' FWL of Section 33-19S-38E TVD: 8,630' TMD: 18,384' Targeted Interval: 3<sup>rd</sup> Bone Spring Total Cost: See AFE

Dawson 34 Fed Com 134H SHL: 1270' FSL and 300' FEL of Section 34-19S-28E BHL: 430' FSL and 100' FWL of Section 33-19S-38E TVD: 8,660' TMD: 18,414' Targeted Interval: 3<sup>rd</sup> Bone Spring Total Cost: See AFE



The locations and targets are approximate and subject to change depending on surface or subsurface issues encountered. Colgate is proposing to drill these wells under the modified terms of the 1989 AAPL Operating Agreement and a form of said Operating Agreement will be forwarded to you following your receipt of this proposal. The Operating Agreement will have 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 enclosed AFE, and your geologic well requirements.

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

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

Sincerely,

Mat Gilich

Mark Hajdik Senior Landman

MH Enclosures

Well Elections

	_I/We hereby elect to participate in the Dawson 34 Fed Com 123H. _I/We hereby elect NOT to participate in the Dawson 34 Fed Com 123H.
1	_I/We hereby elect to participate in the Dawson 34 Fed Com 124H. _I/We hereby elect NOT to participate in the Dawson 34 Fed Com 124H.
	_I/We hereby elect to participate in the Dawson 34 Fed Com 133H. _I/We hereby elect NOT to participate in the Dawson 34 Fed Com 133H.
	_I/We hereby elect to participate in the Dawson 34 Fed Com 134H. _I/We hereby elect NOT to participate in the Dawson 34 Fed Com 134H.

Via Certified Mail

December 11, 2019



Kenneth R. Dean and Peggy J. Dean 80 Shiloh Road Odessa, Texas 79762-8415

RE: Shamrock 34 Fed Com Well Proposals The N/2 of Sections 33 & 34 T19S-28E, Bone Spring Formation Eddy County, New Mexico

Colgate Production, LLC ("Colgate"), hereby proposes the drilling of four (4) wells, the Shamrock 34 Fed Com 121H, 122H, 131H, and 132H at the following locations:

Shamrock 34 Fed Com 121H SHL: 660' FNL and 300' FWL of Section 34-19S-28E BHL: 990' FNL and 100' FWL of Section 33-19S-28E TVD: 7,455' TMD: 17,209' Targeted Interval: 2<sup>nd</sup> Bone Spring Total Cost: See AFE

Shamrock 34 Fed Com 122H SHL: 1680' FNL and 400' FWL of Section 34-19S-28E BHL: 2310' FNL and 100' FWL of Section 33-19S-28E TVD: 7,445' TMD: 17,209' Targeted Interval: 2<sup>nd</sup> Bone Spring Total Cost: See AFE

Shamrock 34 Fed Com 131H SHL: 660' FNL and 300' FWL of Section 34-19S-28E BHL: 890' FNL and 100' FWL of Section 33-19S-28E TVD: 8,620' TMD: 18,374' Targeted Interval: 3<sup>rd</sup> Bone Spring Total Cost: See AFE

Shamrock 34 Fed Com 132H SHL: 1680' FNL and 400' FWL of Section 34-19S-28E BHL: 2210' FNL and 100' FWL of Section 33-19S-28E TVD: 8,620' TMD: 18,374' Targeted Interval: 3<sup>rd</sup> Bone Spring Total Cost: See AFE



The locations and targets are approximate and subject to change depending on surface or subsurface issues encountered. Colgate is proposing to drill these wells under the modified terms of the 1989 AAPL Operating Agreement and a form of said Operating Agreement will be forwarded to you following your receipt of this proposal. The Operating Agreement will have 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 enclosed AFE, and your geologic well requirements.

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

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

Sincerely,

Mattley. lik

Mark Hajdik Senior Landman

MH Enclosures

I/We hereby elect to participate in the Shamrock 34 Fed Com 121H. I/We hereby elect NOT to participate in the Shamrock 34 Fed Com 121H.
I/We hereby elect to participate in the Shamrock 34 Fed Com 122H. I/We hereby elect NOT to participate in the Shamrock 34 Fed Com 122H.
I/We hereby elect to participate in the Shamrock 34 Fed Com 131H. I/We hereby elect NOT to participate in the Shamrock 34 Fed Com 131H.
I/We hereby elect to participate in the Shamrock 34 Fed Com 132H. I/We hereby elect NOT to participate in the Shamrock 34 Fed Com 132H.

Kenneth R. Dean and Peggy J. Dean 80 Shiloh Road Odessa, Texas 79762-8415

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

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

	ESTIMATE OF COSTS AND AUTHOR	IZATION FOR EXPENDITORE	
DATE:	11/1/2019	AFE NO.:	0
WELL NAME:	Dawson 34 Fed Com 123H	FIELD:	0
LOCATION:	NM	MD/TVD:	17209 / 7455
COUNTY/STATE:	Eddy	LATERAL LENGTH:	9,427
Colgate WI:		DRILLING DAYS:	29
GEOLOGIC TARGET:	2nd Bone Spring	COMPLETION DAYS:	17

Drill and Complete 63 stages in the 2nd Bone Spring formation, AFE includes D&C, flowback & initial ESP install,

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
TLand/Legal/Regulatory 5	35,000			35,000
2 Location, Surveys & Damages	220,000	13,000	4,000	237,000
4 Freight / Transportation	25,000	53,250	4,000	78,250
5 Rental - Surface Equipment	103.721	207,600	12.000	323,32
6 Rental - Downhole Equipment	129,831	50,000	12,000	179,83
7 Rental - Living Quarters	57,238	44,900	10,000	112,13
10 Directional Drilling, Surveys	285,100	44,700	10,000	286,10
11 Drilling	812,587		-	812,58
12 Drill Bits -	105,000			105,00
13 Fuel & Power	167,475	472,500	-	639,97
14 Cemenling & Float Equip	180,000	472,500		180.00
16 Perforating, Wireline, Slickline	100,000	459,100	20,000	479,10
17 High Pressure Pump Truck		10,000	20,000	179,10
18 Completion Unit, Swab, CIU		70,000	16,500	86,50
20 Mud Circulation System -	86,730	70,000	16,500	
		· ·		86,73
21 Mud Logging	23,100		-	23,10
22 Logging / Formation Evaluation	14,450	8,000		22,45
23 Mud & Chemicals	272,097	444,100		716,19
24 Water	25,500	804,744		830,24
25 Stimulation	(C)	2,079,000		2,079,00
26 Stimulation Flowback & Disp		143,000		143,00
28 Mud / Wastewater Disposal	104,375	221,000		325,37
30 Rig Supervision / Engineering	128,470	84,800	8,000	221,27
32 Drlg & Completion Overhead	10,875		-	10,873
35 Labor	141,000	12,500	10,000	163,50
95 Insurance	30,976			30,970
7 Contingency	296,052	413,799	8,050	717,90.
99 Plugging & Abandonment	542		-	-
TOTAL INTANGIBLES >	3,256,577	5,591,293	88,550	8,936,42
	DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE COSTS	COSTS	COSTS	COSTS	COSTS
50 Surface Casing 5	15,034	5	5	15,03
51 Intermediate Casing	89,448			89,443
2 Drilling Liner	(	2		•
53 Production Casing	280,335		61	280,33
54 Production Liner	(*)			1
i5 Tubing	(A)	· · · · · · · · · · · · · · · · · · ·	60,648	60,642
i6 Wellhead	72,000		75,000	152,00
i7 Packers, Liner Hangers	26,000	· ·		26,00
B l'anks		-	80,000	
9 Production Vessels				
17 Fronuction Vessela	18.2		125,000	125,00
	14. 14.		125,000	125,00
70 Flow Lines	3		125,000	125,000
'0 Flow Lines			95,000	
70 Flow Lines - 71 Rod string - 72 Artificial Lift Equipment -				
/0 Flow Lines 7 Rod skring 2 Artificial Lift Equipment 3 Compressor			95,000	95,00
10 Flow Lines 17 Rod atring 22 Artificial Lift Equipment 33 Compressor 4 Installation Costs	1			95,00
10 Flow Lines 11 Rod Arting 21 Antificial Lift Equipment 33 Compressor 4 Installation Costs 5 Surface Pumps	4		95,000	95,00
10 Flow Lines 17 Rod string 24 Artificial Lift Equipment 13 Compressor 44 Installation Costa 15 Surface Pumps 6 Downhole Pumps	4		95,000	95,00
0 Flow Lines 1 Rod Arting 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Installation	4 4 4 4 4 4 4		95,000	95,00
0 Flow Lines 1 Rod atring 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter Installation 8 Gas Conditioning / Dehydration	4		95,000	95,00
0 Flow Lines 1 Rod atring 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Yumps 6 Downhole Pumps 7 Measurement & Meter Installation 8 Gas Conditioning / Dehydration 9 Interconnecting Facility Piping			95,000	95,00
0 Flow Lines 1 Rod atring 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 0 Gathering / Bulk Lines			95,000	95,00
0 Flow Lines 1 Rod atring 2 Artificial Lift Equipment 3 Compressor 4 Installation Costs 5 Surface Pumps 6 Downhole Pumps 7 Measurement & Meter installation 9 Interconnecting Facility Piping 0 Gathering / Bulk Lines 1 Valves, Dumps, Controllers			95,000	95,00
0 Flow Lines         1 Rod string         2 Antificial Lift Equipment         33 Compressor         4 Installation Costs         5 Surface Pumps         6 Downhole Pumps         7 Measurement & Meter Installation         9 Gas Conditioning / Dehydration         9 Interconnecting Facility Piping         10 Gathering / Bulk Lines         11 Valves, Dumps, Controllers         12 Tank / Facility Containment			95,000	95,00
0 Flow Lines         1 Rod string         2 Antificial Lift Equipment         3 Compressor         4 Installation Costs         5 Surface Fumps         6 Downhole Pumps         7 Measurement & Meter Installation         78 Gas Conditioning / Dehydration         9 Interconnecting Facility Piping         10 Gathering / Bulk Lines         11 Valves, Dumps, Controllers         21 Tank / Facility Containment         3 Flare Stack			95,000	95,00
0 Flow Lines         1 Rod atring         2 Artificial Lift Equipment         33 Compressor         4 Installation Costs         5 Surface Pumps         6 Downhole Pumps         7 Measurement & Meter Installation         9 Interconnecting Facility Piping         10 Gathering / Bulk Lines         1 Valves, Dumps, Controllers         21 Tank, / Facility Containment         13 Flare Stack         4 Electrical / Grounding			95,000	95,00
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 75 Surface Pumps 76 Downhole Pumps 76 Cost Cost Cost 79 Measurement & Meter Installation 78 Gase Conditioning / Dehydration 79 Interconnecting Facility Piping 90 Gathering / Bulk Lines 11 Valves, Dumps, Controllers 12 Tank / Facility Containment 13 Flare Stack 14 Electrical / Grounding 15 Communications / SCADA			95,000	95300 95300 67,000
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         11 Valves, Dumps, Controllers         12 Tank, / Facility Containment         13 Flare Stack         4 Hechrical / Grounding			95,000	95,00
70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 75 Surface Pumps 76 Downhole Pumps 76 Cost Cost Cost 79 Measurement & Meter Installation 78 Gase Conditioning / Dehydration 79 Interconnecting Facility Piping 90 Gathering / Bulk Lines 11 Valves, Dumps, Controllers 12 Tank / Facility Containment 13 Flare Stack 14 Electrical / Grounding 15 Communications / SCADA	487,816		95,000	95,00

### PREPARED BY Colgate Energy:

REMARKS:

Co-CEO	Co-CEO	VP - Operations	1
WH	JW	CRM	
VP - Land & LegalBG	VP - Geosciences		
TING PARTNER APPROVAL:			-
			1
Company Name:	Working Interest (%):	Tax ID:	
Signed by:	Date:		
Title:	Approval: Yes	No (mark one)	

### Colgate Energy

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

Drill and Complete 63 stages in the 2nd Bone Spring formation, AFE includes D&C, flowback & initial ESP install,

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	11/1/2019	AFE NO,:	0
WELL NAME:	Dawson 34 Fed Com 124H	FIELD:	0
LOCATION:	NM	MD/IVD:	17209 / 7455
COUNTY/STATE:	Eddy	LATERAL LENGTH:	9,427
Colgate WI:	S	DRILLING DAYS:	29
GEOLOGIC TARGET:	2nd Bone Spring	COMPLETION DAYS:	17

DRILLING COMPLETION PRODUCTION TOTAL INTANGIBLE COSTS COSTS COSTS COSTS COSTS 1 Land/Legal/Regulatory 2 Location, Surveys & Damages 4 Freight / Transportation 35'000 35000 220,000 4,000 237,000 13,000 25,000 53,250 5 Rental - Surface Equipment 6 Rental - Downhole Equipment 103,721 207,600 12,000 323,321 129,831 50,000 179.831 7 Rental - Living Quarters 10 Directional Drilling, Surveys 57.738 44.900 10,000 112,138 285,100 286,100 11 Drilling 12 Drill Bits 13 Fuel & Power 812,587 812.587 105,000 106,000 172,500 167,475 639,975 14 Cementing & Float Equip 16 Perforating, Wireline, Slickline 180,000 180.000 20,000 159,100 479,100 17 High Pressure Pump Truck TUBU 10100 18 Completion Unit, Swab, CIU 20 Mud Circulation System 16,500 70,000 86,730 86,730 21 Mud Logging 22 Logging / Formation 23 Mud & Chemicals 23,100 14,450 23,100 tion Evaluation 8,000 22,450 272.097 444.100 716.197 24 Water 25 Stimulation 25,500 804,744 830,244 2.079.000 2.079.000 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 30 Rig Supervision / Engineering 143,000 143,000 104,375 221,000 325,375 126,470 84,800 8,000 221,270 32 Drlg & Completion Overhead 10.87: 10,875 12.500 10.000 141.000 35 Labor 163,500 95 Insurance 97 Conlingency 30,976 296,052 30,976 717,902 413,799 8,050 99 Plugging & Abandonment TOTAL INTANGIBLES > 3.256.577 5,591,293 88,550 8,936,421 DRILLING COMPLETION PRODUCTION TOTAL TANGIBLE COSTS COSTS COSTS COSTS COSTS 61 Intermediate Casing 15043 15,034 89,448 89,448 62 Drilling Liner 63 Production Casing 280,335 280,335 64 Production Liner 65 Tubing 66 Wellhead 60,648 60,618 75,000 77,000 152,000 67 Packers, Liner Hangers 68 Tanks 69 Production Vessels 26,000 26,000 80,000 80,000 125,000 125,000 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 75,000 95,000 73 Compressor 74 Installation Costs 67.000 67.000 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 502,648 đ 990,464 TOTAL TANGIBLES > 457,816

#### PREPARED BY Colgate Energy:

TOTAL COSTS >

REMARKS:

Drilling Engineer: Completions Engineer: Production Engineer:	Rafael Madrid Brady Adams Brady Adams	CRM	
olgate Energy APPROVAL:			
Co-CEO		Co-CEO	VP - Operations
VP - Land & Legal	WH BG	VP - Grosciences	CRM
ON OPERATING PARTNER	APPROVAL:	Working Interest (%):	Tex ID:
Signed by:			
Signed by:		Date:	
Titlet		Approval:	No (mark one)

3,744,394

5.591.293

591.198

9,926,885

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## Colgate Energy

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

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	11/1/2019	AFE NO.; 0
WELL NAME:	Dawson 34 Fed Com 133H	FIELD: 0
LOCATION:	NM	MD/TVD: 18384 / 8
COUNTY/STATE:	Eddy	LATERAL LENGTH: 9,427
Colgate WI:		DRILLING DAYS: 30
GEOLOGIC TARGET:	3rd Bone Spring	COMPLETION DAYS: 17

Drill and Complete 63 stages in the 3rd Bone Spring formation, AFE includes D&C, flowback & initial ESP install,

DRILLING COMPLETION PRODUCTION TOTAL COSTS COSTS COSTS COSTS INTANGIBLE COSTS 1 Land/Legal/Regulatory 2 Location, Surveys & Damages 15000 35700 237,000 220,000 13,000 4,000 4 Freight / Transportation 5 Rental - Surface Equipment 6 Rental - Downhole Equipment 25,000 53.750 78,750 106,863 209,400 12,000 328,263 141.171 60,000 204.171 7 Rental - Living Quarters 10 Directional Drilling, Surveys 58,788 294,300 45,700 10,000 114,488 294,300 11 Drilling 12 Drill Bils 835,530 835,330 106,000 05,000 472,500 13 Fuel & Power 175,250 645,750 14 Cementing & Ploat Equip 16 Perforating, Wiretine, Slickline 17 High Pressure Pump Truck 18 Completion Unit, Swab, CTU 180,000 180.000 159,100 20,000 479,100 TOTOT 10.000 110,000 156,500 16,500 20 Mud Circulation System 88,605 88.605 21 Mud Logging 22 Logging / Formation Evaluation 21,810 21,810 11,900 8,000 19.900 464,100 804,744 23 Mud & Chemicals 2/2,1/2 736.572 24 Waler 830,214 25,500 25 Stimulation 2.079.000 2.079.000 26 Stimulation Flowback & Disp 28 Mud / Wastewater Disposal 152,000 152,000 104,375 221,000 325,375 30 Rig Supervision / Engineering 32 Drlg & Completion Overhead 132,900 88,000 8.000 228,900 11,250 11,250 35 Labor TILINOU 12,300 10.000 163.500 95 Insurance 33,091 33,091 97 Contingency 302,160 125,329 8,050 735,540 99 Plugging & Aban 3,323,765 TOTAL INTANGIBLES > 5,718,123 88,550 9,130,439 DRILLING COMPLETION PRODUCTION TOTAL TANGIBLE COSTS COSTS COSTS COSTS COSTS 60 Surface Casing 61 Intermediate Casing 15,054 15.03 225,348 225,348 62 Dritling Liner 63 Production Casing 99,475 299,475 64 Production Liner 65 Tubing 66 Wellhead 60,648 75,000 60,648 77,000 152,000 67 Packers, Liner Hangers 68 Fanks 26,000 26,000 80,000 80,000 **69** Production Vessels 125,000 125,000 70 Flow Lines 71 Rod string 72 Artificial Lift Equipment 73 Compressor 95,000 95,000 74 Installation Costs 67,000 67,000 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 1,145,505 642.857 502,648 TOTAL TANGIBLES > 0 TOTAL COSTS > 3,966,622 5.718.123 591,198 10,275,943

PREPARED BY Colgate Energy:

Drilling Engineer: Completions Engineer: Production Engineer:	Rafael Madrid Brady Adams Brady Adams	CRM	

1121 200667

2014 890859

777.7690162

Colgate	Energy	APPROVAL
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REMARKS:

Co-CEO WH	Co-CEO	VP - Operations
VP - Land & Legal BG	VP - GeosciencesSO	LKM
FRATING PARTNER APPROVA	L:	
ERATING PARTNER APPROVA	L: Working Interest (%):	Tax ID:
		Tax ID:

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

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	11/1/2019	AFE NO.;	0
WELL NAME:	Dawson 34 Fed Com 134H	FIELD:	0
LOCATION:	NM	MD/TVD:	18414 / 8660
COUNTY/STATE:	Eddy	LATERAL LENGTH:	9,427
Colgate WI:		DRILLING DAYS:	30
GEOLOGIC TARGET:	3rd Bone Spring	COMPLETION DAYS:	17

REMARKS: Drill and Complete 63 stages in the 3rd Bone Spring formation. AFE includes D&C, flowback & initial ESP install,

	DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE COSTS	COSTS	COSTS	COSTS	COSTS
Land/Legal/Regulatory \$	35,000	5	5	\$ 35,00
2 Location, Surveys & Damages	220,000	13,000	4,030	237,00
Freight / Transportation	25,000	53,750		78,75
5 Rental - Surface Equipment	105,863	209,400	12,000	328,25
6 Rental - Downhole Equipment	144,171	60,000	*******	204,17
7 Rental - Living Quarters	58,788	45,700	10,000	114,48
10 Directional Drilling, Surveys	291,300		2 0	294,30
11 Drilling	835,330		******	835,33
2 Drill Bits	106,000	-	*	106,00
3 Fuel & Power -	173,250	472,500		645,75
4 Cementing & Float Equip	180,000			180,00
6 Perforating, Wireline, Slickline		459,100	20,000	479,10
7 High Pressure Pump Truck		10,000		10,00
18 Completion Unit, Swab, CIU	(+)	140,000	16,500	156,50
0 Mud Circulation System	88,605			88,60
1 Mud Logging -	21,810		***	21,81
22 Logging/Formation Evaluation	11,900	8,000	÷	19,90
23 Mud & Chemicals	2/2,772	461,100	*	736,87
24 Water	25,500	804,711		830,21
25 Stimulation -		2,079,000	<u>₽</u> 5	2,079,00
26 Stimulation Flowback & Disp		152,000		152,00
28 Mud / Wastewater Disposal -	104,375	221,000		325,37
30 Rig Supervision / Engineering	132,900	88,000	8,000	228,90
32 Drlg & Completion Overhead	11,250		0,000	11,25
5 Labor -	141,000	12,500	10,000	163,50
95 Insurance -	33,145	14,000	10,000	33,14
7 Contingency	302,195	425.329	8,050	/35,57
99 Plugging & Abandonment	302,190	423,323	8,050	
TOTAL INTANGIBLES >	3,324,155	5,718,123	88,550	9,130,83
TOTAL INTAINGIBLES >				
	DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE COSTS	COSTS	COSTS	COSTS	COSTS
U Surface Casing S	15,034	5	5	5 15,03
1 Intermediate Casing	225,348			225,34
2 Drilling Liner	-			
3 Production Casing	299,964	-		299,96
4 Production Liner				
5 Tubing			60,613	60,61
6 Wellhead	77,000		75,000	152,00
7 Packers, Liner Hangers	26,000	· · · · · · · · · · · · · · · · · · ·		26,00
8 Tanks			80,000	80,00
9 Production Vessels			125,000	125,00
0 Flow Lines				
1 Rod string				
2 Artificial Lift Equipment			95,000	95,00
3 Compressor			*3,000	
4 Installation Costs			67,000	67,00
5 Surface Pumps			117,0007	07,00
6 Downhole Pumps -				
7 Measurement & Meter Installation				
Gas Conditioning / Debudyation				

		777 9411927	1121 200667		2015,063036
	TOTAL COSTS >	3,967,500	5,718,123	591,198	10,276,821
Т	OTAL TANGIBLES >	643,346	0	502,648	1,145,994
86 Instrumentation / Safety	9				· · · · · ·
85 Communications / SCADA				(*)	
84 Electrical / Grounding	20		· · · · · · · · · · · · · · · · · · ·		
83 Flare Stack		10			
82 Tank / Facility Containment	-			572	1
81 Valves, Dumps, Controllers	5		<u>5</u>		
80 Gathering / Bulk Lines					-
79 Interconnecting Facility Piping	-			5.00	
78 Gas Conditioning/Dehydration	1		· · · · · · · · · · · · · · · · · · ·		-
77 Measurement & Meter Installat	100	a. 17			

Drilling Engineer: Completions Engineer:	Rafael Madrid Brady Adams	CRM	
Production Engineer:	Brady Adams		
nergy APPROVAL:			
Co-CEO	WH	Co-CEO	VP - Operations
VP - Land & Legal	WH	JW VP - Geosciences	CRM
	BG	50	
ERATING PARTNER	APPROVAL:		
Company Name:		Working Interest (%):	Tax ID:
Signed by:		Date:	

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

### ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	11/1/2019	AFE NO.:	0
WELL NAME:	Shamrock 34 Fed Com 121H	FIELD:	0
LOCATION:	NM	MD/TVD:	17209 / 7455
COUNTY/STATE:	Eddy	LATERAL LENGTH:	9,427
Colgate WI:		DRILLING DAYS:	29
GEOLOGIC TARGET:	2nd Bone Spring	COMPLETION DAYS:	17

	DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE COSTS	COSTS	COSTS	COSTS	COSTS
Land/Legal/Regulatory \$	35,000	5	\$	\$ 35,000
Location, Surveys & Damages	220,000	13,000	4,000	237,000
Freight / Transportation	25,000	53,250		78,250
Rental - Surface Equipment	103,721	207,600	12,000	323,321
6 Rental - Downhole Equipment	129,831	50,000		179,831
Rental - Living Quarters	57,238	44,900	10,000	112,138
0 Directional Drilling, Surveys	286,100		<u> </u>	286,100
11 Drilling -	812,587			812,587
12 Drill Bits	106,000	( <b>1</b>		106,000
3 Fuel & Power -	167,475	472,500	2 C	639,97
4 Cementing & Float Equip	180,000			180,000
6 Perforating, Wireline, Slickline		459,100	20,000	479,10
7 High Pressure Pump Truck		10,000		10,000
8 Completion Unit, Swab, CTU	2+5	70,000	16,500	86,500
0 Mud Circulation System	86,730			85,73
1 Mud Logging	23,100			23,100
22 Logging / Formation Evaluation	14,450	8,000		22,450
3 Mud & Chemicals	272,097	111,100		716,192
4 Water	25,500	804,744		830,24
5 Stimulation		2,079,000		2,079,000
26 Stimulation Flowback & Disp		143,000		143,000
8 Mud / Wastewater Disposal	104,375	221,000		325,37
0 Rig Supervision / Engineering	128,470	84,800	8,000	221,27
32 Drlg & Completion Overhead	10,875	04,000		10,873
5 Labor -	141,000	12,500	10,000	163,50
5 Insurance -	30,976	1 April 1		30,976
77 Contingency	295,052	413,799	8,050	717,902
99 Plugging & Abandonment	LYGIGE	10,000		
TOTAL INTANGIBLES >	3,256,577	5,591,293	88,550	8.936.42
TO THE MAN BODDED /				
	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
TANGIBLE COSTS		COSIS	COSIS	
0 Surface Casing 5	15,804	3	\$	5 15,034
1 Intermediate Casing	89,118			89,418
2 Drilling Liner				
3 Production Casing	280,335			280,333
4 Production Lines	91			
5 Tubing			60,648	60,618
6 Wellhead	77,000		75,000	152,000
7 Packers, Liner Hangers	26,000	2		26,000
8 Tanks			80,000	80,000
9 Production Vessels		2	175,000	125,000
0 Flow Lines	1			
1 Rod string				+
2 Artificial Lift Equipment		2	95,000	95,000
3 Compressor			-	
4 Installation Costs		· · · · · · · · · · · · · · · · · · ·	67,000	67,000
5 Surface Pumps			2 + 3	· · ·
6 Downhole Pumps	1			
Measurement & Meter Installation		· · · · · · · · · · · · · · · · · · ·	-	-
8 Gas Conditioning / Dehydration		10		
9 Interconnecting Facility Piping				*
0 Gathering/Bulk Lines		ş <del></del>		
1 Valves, Dumps, Controllers				

82 Tank / Facility Containment 83 Harc Stack 84 Electrical / Grounding 85 Communications / SCADA 86 Instrumentation / Safely 502,648 487,816 990,464 TOTAL TANGIBLES > 0 TOTAL COSTS > 3,744,394 5,591,293 591,198 9,926,885

### PREPARED BY Colgate Energy:

Drilling Engineer: Completions Engineer: Production Engineer:	Rafael Madrid Brady Adams Brady Adams	CRM	
ate Energy APPROVAL:			
Co-CEO		Co-CEO	VP - Operations
VP - Land & Legal	BG	JW VP - Geosciences SO	CRM
	A PDD OVAL.		
OPERATING PARTNER	APPROVAL:	Working Interest (%):	Tax ID:
I OPERATING PARTNER Company Name:	APPROVAL:	Working Interest (%): Date:	Tax ID:

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

DATE:	11/1/2019	AFE NO.:	0
WELL NAME:	Shamrock 34 Fed Com 122H	FIELD:	0
LOCATION:	NM	MD/IVD:	17209 / 7455
COUNTY/STATE:	Eddy	LATERAL LENGTH:	9,427
Colgate WI:	0,00%	DRILLING DAYS:	29
GEOLOGIC TARGET:	2nd Bone Spring	COMPLETION DAYS:	17

Drill and Complete 63 stages in the 2nd Bone Spring formation. AFE includes D&C, flowback & initial ESP install.

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
T Land/Legal/Regulatory	\$ 35,000			35,000
2 Location, Surveys & Damages	220,000	13,000	4,000	237,000
4 Freight / Transportation	25,000	33,250	4,000	78,250
5 Rental - Surface Equipment	103,721	207,600	12,000	323,321
6 Rental - Downhole Equipment	129,831	50,000	12,000	1/9,831
7 Rental - Living Quarters	57,238	44,900	10.000	112,138
10 Directional Drilling, Surveys	286,100	44,900	10,000	286,100
11 Drilling	812,587			812,587
12 Drill Bits	105,000			
13 Fuel & Power	167,475	472,500		106,000
14 Cementing & Float Equip	180,000	472,300		180,000
16 Perforating, Wireline, Slickline	100,000	459,100		479,100
10 Feriorating, Wirenne, Sitckline 17 High Pressure Pump Truck		459,100	20,000	10,000
18 Completion Unit, Swab, CIU		70,000	16,500	86,500
20 Mud Circulation System	86,730			86,730
21 Mud Logging	23,100	12 <u> </u>		23,100
22 Logging / Formation Evaluation	14,450	8,000		22,450
23 Mud & Chemicals	272,097	444,100	2	716,197
24 Water	25,500	8114,744	2	830,244
25 Stimulation		2,079,000		2,079,000
26 Stimulation Flowback & Disp	· · · · · · · · · · · · · · · · · · ·	143,000	S	143,000
28 Mud / Wastewater Disposal	104,375	221,000	2	325,375
30 Rig Supervision / Engineering	128,470	84,800	8,000	221,270
32 DrJg & Completion Overhead	10,875		-	10,875
35 Labor	141,000	12,500	10,000	163,500
95 Insurance	30,976			30,976
97 Contingency	296,052	413,799	8,050	717,902
99 Plugging & Abandonment				
TOTAL INTANG		5,591,293	88,550	8,936,421
	DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE COSTS	COSTS	COSTS	COSTS	COSTS
50 Surface Casing	\$ 15,034	\$	5 5	15,034
61 Intermediate Casing	89,448			89,448
62 Drilling Liner	-			1.07
63 Production Casing	280,335			280,335
64 Production Liner				
65 Tubing			60,618	60,648
66 Wellhead	27,000		75,000	152,000
67 Packers, Liner Hangers	26,000	*	-	25,000
68 Fanks				80,000
69 Production Vessels			125,000	
				125,000
70 Flow Lines				125,000
70 Flow Lines 71 Rod string				125,000
			95,000	
71 Rod string 72 Artificial Lift Equipment			95,000	
71 Kod string 72 Artificial Lift Equipment 73 Compressor				95,000
71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs			95,000	95,000
71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Fumps				95,000
71 Rod string 12 Artificial Lift Equipment 32 Compressor 14 Installation Costs 75 Surface Fumps 6 Downhole Pumps				95,000
71 Rod string 12 Artificial Lift Equipment 13 Compreses 14 Installation Costs 15 Surface Pumps 16 Downhole Pumps 77 Measurement & Meter Installation				95,000
71 Rod string 22 Artificial Lift Equipment 33 Compressor 43 Installation Costs 75 Surface Pumps 76 Downhole Pumps 76 Measurement & Meter Installation 78 Gasa Conditioning / Dehydration				95,000
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 99 Interconnecting Facility Piping				95,000
71 Rod string 22 Artificial Lift Equipment 32 Compressor 43 Installation Costs 55 Surface Pumps 65 Downkole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Jehydration 79 Interconnecting Facility Piping 50 Gathering / Bulk Lines				95,000
71 Rod skring 22 Artificial Lift Equipment 32 Compressor 41 Installation Costs 75 Surface Yumps 76 Downhole Yumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 40 Gathering / Bulk Lines 10 Valves, Dumps, Controllers				95,000
71 Rod string 12 Artificial Lift Equipment 13 Compressor 14 Installation Costs 15 Surface Yamps 16 Downhole Pumps 17 Measurement & Meter Installation 18 Gas Conditioning / Dehydration 19 Interconnecting Facility Piping 10 Gathering / Bulk Lines 14 Valves, Dumpe, Controllers 12 Tank / Facility Containment				95,000
71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Cools 75 Surface Yumps 76 Downhole Yumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 30 Gathering / Bulk Lines 31 Valves, Dumps, Controllers 32 Tank / Facility Containment 33 Hare Stack				125,000 95,000 67,000
71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Costs 75 Surface Pumps 75 Obwrhole Pumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 80 Gathering / Bulk Linnes 81 Valves, Dumps, Controllers 82 Tank / Facility Containment 83 Flare Stack				95,000
71 Rod string 72 Artificial Lift Equipment 73 Compressor 74 Installation Cools 75 Surface Yumps 76 Downhole Yumps 77 Measurement & Meter Installation 78 Gas Conditioning / Dehydration 79 Interconnecting Facility Piping 30 Gathering / Bulk Lines 31 Valves, Dumps, Controllers 32 Tank / Facility Containment 33 Hare Stack				95,000

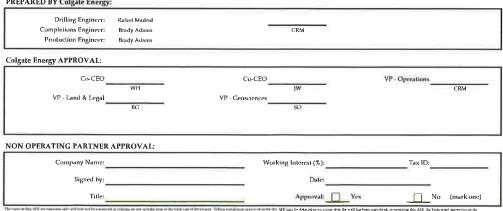
PREPARED BY Colgate Energy:

86 Instrumentation / Safety

TOTAL TANGIBLES >

TOTAL COSTS >

REMARKS:



487,816

3,744,394

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5,591,293

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9,926,885

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

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE	
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DATE:	11/1/2019	AFE NO.:	0
WELL NAME:	Shamrock 34 Fed Com 131H	FIELD:	0
LOCATION:	NM	MD/TVD:	18374 / 8620
COUNTY/STATE:	Eddy	LATERAL LENGTH:	9,427
Colgate WI:		DRILLING DAYS:	30
GEOLOGIC TARGET:	3rd Bone Spring	COMPLETION DAYS:	17

Drill and Complete 63 stages in the 3rd Bone Spring formation. AFE includes D&C, flowback & initial ESP install.

	DRILLING	COMPLETION	PRODUCTION	TOTAL
INTANGIBLE COSTS	COSTS	COSTS	COSTS	COSTS
Land/Legal/Regulatory	\$ 35,000	5	5	\$ 35,000
2 Location, Surveys & Damages	220,000	13,000	4,000	237,00
Freight / Transportation	25,000	53,750		/8,/5
5 Rental - Surface Equipment	106,853	209,400	12,000	328,26
ó Rental - Downhole Equipment	144,171	60,000		
Rental - Living Quarters	58,788	45,700	10,000	114,48
10 Directional Drilling, Surveys	294,300			- 294,30
1 Drilling	835,330			835,33
2 Drill Bits	106,000			105,00
13 Fuel & Power	173,250	472,500		645,75
4 Cementing & Float Equip	180,000		<u></u>	180,00
6 Perforating, Wireline, Slickline		459,100	20,000	479,10
17 High Pressure Pump Truck	· · · · ·	10,000		10,00
8 Completion Unit, Swab, CIU	58	140,000	16,500	156,50
20 Mud Circulation System	88,605			88,60
21 Mud Logging	21,810			21,81
2 Logging / Formation Evaluation	11,900	8,000		19,90
3 Mud & Chemicals	272,372	464,100		736,47
4 Water	25,500	804,744		830,24
5 Stimulation	37	2,079,000		2,079,00
8 Stimulation Flowback & Disp		152,000		152,00
8 Mud / Wastewater Disposal	104,375	221,000	a mund	325,37
0 Rig Supervision / Engineering	132,900	88,000	8,000	228,90
2 Drlg & Completion Overhead	11,250			11,25
5 Labor	141,000	12,500	10,000	163,50
5 Insurance	33,073			33,07
7 Contingency	302,149	425,329	8,050	735,52
99 Plugging & Abandonment				é *
TOTAL INTANGI	3LES > 3,323,635	5,718,123	68,550	9,130,30
	DRILLING	COMPLETION	PRODUCTION	TOTAL
TANGIBLE COSTS	COSTS	COSTS	COSTS	COSTS
0 Surface Casing	\$ 15,034	5	5	15,03
1 Intermediate Casing	225,348			225,34
2 Drilling Liner				P-1
3 Production Casing	299,312			299,31
4 Production Liner	3			
5 Tubing			60,648	50,64
6 Wellhead	27,000	7	/5,000	152,00
7 Packers, Liner Hangers	26,000	÷		26,00
8 Tanks			80,000	80,00
9 Production Vessels			725,000	125,00
0 Flow Lines				
1 Rod string				1.47
2 Artificial Lift Equipment		-	95,000	95,00
3 Compressor	-		÷:	
4 Installation Costs			67,000	67,00
5 Surface Pumps				
6 Downhole Pumps	· · · · ·		÷:	- a
			· · · · · ·	
7 Measurement & Meter Installation				
8 Gas Conditioning / Dehydration				
8 Gas Conditioning/Dehydration 9 Interconnecting Facility Piping				
8 Gas Conditioning/Dehydration 9 Interconnecting Facility Piping 0 Gathering/Bulk Lines			* 7/	) + (*)
8 Gas Conditioning/Dehydration 9 Interconnecting Facility Piping 0 Gathering/Bulk Lines 1 Valves, Dumps, Controllers			7/	3
8 Gas Conditioning/Dehydration 9 Interconnecting Facility Piping 0 Gathering/Bulk Lince 1 Valves, Durups, Controllers 2 Tank/Facility Containment				
8 Gas Conditioning/ Dehydration 9 Interconnecting Facility Piping 0 Gathering / Bulk Lines 1 Valves, Dumps, Controllers 2 Tank / Facility Containment 3 Flare Stack				
8 Gas Conditioning / Dehydration 9 Interconnecting Facility Piping 10 Gathering / Bolk Lines 11 Valves, Dumps, Controllers 2 Tank / Facility Controlnent 3 Flare Stack 4 Electrical / Grounding				
7 Measurement & Matter Installation 78 Gas Conditioning / Debydration 99 Interconnecting Facility Piping 10 Gathering / Bulk Lince 11 Valves, Dumps, Controllers 21 Tank / Facility Containment 13 Flare Stack 44 Electrical / Grounding 15 Communication / SGCADA 16 Instrumentation / SGCADA				* * * * *

PREPARED BY Colgate Energy:

TOTAL TANGIBLES > TOTAL COSTS >

Drilling Engineer:	Rafael Madrid	
Completions Engineer:	Brady Adams	CRM
Production Engineer:	Brady Adams	

0

5,718,123

1121 200667

502,648

591,198

1,145,342

10,275,651

2014 833467

642,694

3,966,329

777.7116241

### Colgate Energy APPROVAL:

REMARKS:

Co-CEO	Co-CEO	VP - Operations
VP - Land & Legal BC;	VP - GeosciencesSO	
NON OPERATING PARTNER APPROVAL:		
Company Name:	Working Interest (%):	Tax ID:
Signed by:	Dete	

Approval: Yes Title: No (mark one) n the terms of the applicable part operating agreement regulatory on ensurem an amount acceptable to the Operator by the date of stud des well Participants the MK the l ng, legal

share of actual general halpht

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

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

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	11/1/2019	AFE NO.:	0
WELL NAME:	Shamrock 34 Fed Corn 132H	FIELD:	0
LOCATION:	NM	MD/TVD:	18374 / 8620
COUNTY/STATE:	Eddy	LATERAL LENGTH:	9,427
Colgate WI:		DRILLING DAYS:	30
GEOLOGIC TARGET:	3rd Bone Spring	COMPLETION DAYS:	17

REMARKS:

Drill and Complete 63 stages in the 3rd Bone Spring formation, AFE includes D&C, flowback & initial ESP install,

Land (Lapit) Capital Control         Source         Source <th>TOTAL COSTS</th> <th>PRODUCTION COSTS</th> <th>COMPLETION COSTS</th> <th>DRILLING COSTS</th> <th>INTANGIBLE COSTS</th>	TOTAL COSTS	PRODUCTION COSTS	COMPLETION COSTS	DRILLING COSTS	INTANGIBLE COSTS
2 Location, Survey & Damages         220,000         15000         40,000           5 Reight / Tangeration         220,000         53,730         120,000           5 Reinal - Survace Equipment         100,665         209,7400         120,000           7 Reinal - Survace Equipment         144,171         600,000         100,000           7 Reinal - Living Quarters         36,785         45,740         100,000           10 Detectional Delining, Surveys         274,7307         472,300         100,000           11 Delining         100,000         472,300         100,000         100,000           12 Deat Rein Delining, Surveys         274,750         472,300         100,000         100,000           12 Conciling, & Float Equip         100,000         472,300         100,00	\$ 35,000	E		0.7991	
4 Freight / Transportation         25/000         53/200           9 Evinal - Surveys         20000         122000           9 Rental - Downhole Equipment         100,2007         122000           10 Directional Drilling, Surveys         201,3007         100,2007           11 Drilling         85,5300         100,2007           12 Drilling, Surveys         201,3007         472,3007           12 Drilling, Surveys         201,3007         472,3007           12 Drilling, Surveys         100,0007         472,3007           13 Drilling, Surveys         100,0007         472,3007           14 Consenting, & Float Equip         100,0007         472,3007           14 Consenting, Wireline, Slickine         110,0007         100,0007           15 Congletion Unit, Swan, CTU         10,0007         100,0007           21 Mult Logging         21,3007         100,0007           22 Logging / Formation System         22,3007         20,0007           22 Logging / Formation System         21,3007         100,0007           22 Logging / Formation System         21,3007         100,0007           23 Mult & Chemicals         22,20,2007         80,000         50,000           22 Logging / Formation System         102,2007         100,0007 <t< td=""><td>237,000</td><td></td><td>121000</td><td></td><td></td></t<>	237,000		121000		
5 Renial - Surface Equipment         100,560.*         209,400.*         12,007           7 Renial - Living Quarters         36,265.*         209,400.*         12,007           7 Renial - Living Quarters         36,265.*         45,707         100,1007           11 Deliting Surveys         28,7397	78,750	4,000			
6 Rental - Downhole Equipment         144,171         60,000           7 Rental - Living Quarters         38,788         457,700         10,000           10 Directional Drilling, Surveys         291,300         10,000         10,000           12 Drilling         855,530         472,300         10,000         10,000           12 Drilling         855,530         472,300         10,000         10,000         10,000           12 Drilling         100,000         1472,300         10,000 <td></td> <td></td> <td></td> <td></td> <td></td>					
7 Rental - Living Quarters         38,785         45,707         10,007           10 Decisions Unriling, Surveys         787,305	328,263	12,000			
10 Directional Drilling, Surveys     247, 307       11 Drilling     855, 307       12 Drill Bis     100,0007       13 Fuel & Power     173, 297       14 Cementing & Float Equip     110,0007       15 Feet & Power     173, 297       16 Centraing, Wireline, Sitckline     130,0007       17 High Pressure Planp Track     110,0007       10 Mod Ciccalation System     100,0007       16 Completion Unit, Swab, C1U     1140,0007       17 Migh Pressure Planp Track     1140,0007       21 Mud Logging     21,717       22 Lagging / Formation Evaluation     11,7407       23 Mad & Chemicals     27,277       44 Water     25,3007       24 Water     25,3007       28 Simulation Flowback & Disp     11,2797       29 Plag for A Completion Overhead     11,2797       20 Jing & Completion Overhead     11,2797       20 Jing & Abandonment     30,175       30 Flow Simulation     30,075       30 Flow Simulation Planpeneting     32,1497       30 Flow Simulation Planpeneting     32,1497       30 Flow Simulation Planpeneting     32,075       30 Flow Simulation Plan	204,171				
11 Drilling       855,307         12 Drill Bis       110,000         13 Fuel & Power       175,297         14 Cementing & Float Equip       180,000         15 Competion Out, Swab, C1U       110,000         20 Mul Ligging       20,000         21 Mul Ligging       110,000         22 Logging       21,810         22 Logging / Formation Evaluation       11,7400         23 Mud & Chemicals       27,277         24 Mul Logging       21,7410         25 Minulation       117,800         28 Mul Varter       25,300         28 Simulation       117,900         28 Simulation       117,900         28 Simulation       117,900         29 Simulation       21,7507         21 Age Competion Overhead       11,2700         21 Overheison Overhead       11,2700         20 Dig & Completion Overhead       11,2707         20 Contingency       302,149       425,327         29 Flugging & Abandonanent       3,323,635       5,718,123         20 Surface Casing       1,2,040       5         20 Surface Casing       1,2,041       5         20 Surface Casing       1,2,041       5       5         21 Mul Ming C	114,488	10,000	45,700		
12 Drill Bis     100,000       13 Drill & Pork F. Norman, S. Floring, S. Flori	294,300				
13 Fuel & Power       175,250       472,300         14 Cementing & Float Equip (Skiline       135,000       135,000         15 Restorating, Wireline, Slickline       100,000       100,000         17 High Pressure Pump Truck       100,000       165,000         20 Mud Circulation System       385,005       100,000         21 Mud Logging       21,810       100,000         22 Logging / Formation Evaluation       11,900       80,000         23 Mud & Chemicals       227,277       464,100         24 Water       25,300°       80,747         28 Windkilon       27,377       38,000         28 Windkilon       27,377       38,000         29 Simulation       101,375       22,000°         28 Mud / Wastewater Disposal       101,375       22,000°         32 Dig & Completion Overhead       11,230°       100,000°         32 Dig & Completion Overhead       11,230°       100,000°         31 Labor       3,323,635       \$7,78,123       86,550         70 Conlingency       302,114°       425,329°       8,500°         99 Plugging & Abandonment       25,000°       5       \$         70 Contingency       3,223,635       \$7,78,123       86,550         60	835,330		54		
14 Cenenting & Float Equip       180,000         16 Perforating, Wireline, Silectine       439,103         17 High Pressure Pump Truck       180,000         18 Completion Unit, Swab, CTU       140,000         21 Muld Logging       21,1810         22 Lagging, Formation Evaluation       170,700         23 Muld Creation System       385,005         24 Mule       272,377         24 Mule       272,377         24 Mule       21,000         25 Simulation       170,700         26 Simulation Flowback & Disp       152,000         28 Mule/Wastewater Disponal       101,575         28 Simulation Flowback & Disp       112,570         30 Rig Supervision / Engineering       312,700         32 Labor       112,581         35 Labor       112,581         35 Labor       502,189         36 Insurance       330,75         37 Contingency       502,189         30 Rig Supervision / Engineering       3,223,685         5,718,123       68,550         60 Surface Casing       153,134         61 Intermediate Casing       225,319         62 Poiluing Liore       20,23,685         63 Production Casing       20,317         61	106,000				
16 Performing, Wireline, Slickline     139,100     20000       17 High Persone Pump Truck     110,000     100,000       18 Completion Unit, Swab, CTU     111,000     105,200       20 Mud Circulation System     88,805     110,000       21 Mud Logging     21,810     112,000       22 Logging / Formation Evaluation     117,900     8,000       23 Mud & Chemicals     27,27,77     46,100       24 Water     25,5300     28,07       25 Stimulation     12,2000     28,000       25 Stimulation     12,2000     80,000       25 Stimulation     12,2000     80,000       25 Und Vaterwater Disponal     101,375     22,1000       20 Rdg & Completion Overhead     11,2200     80,000       21 Labor     112,200     80,000       25 Insurance     33,023,55     5,718,123       99 Plugging & Abandonment     22,529     8,050       TANGIBLE COSTS     COSTS     COSTS       COSTS     COSTS     COSTS       61 Intermediate Casing     22,738     5,718,123       62 Drilling Liner     102,000     125,000       71 Kod atring     27,7000     7,7000       72 Proventing Bacture     125,000     125,000       71 Kod atring     27,7000     7,7000	645,750		472,500		
17 High Presure Pame Prack       10000000         18 Completion Units, Swab, CTU       14000000         20 Mud Circulation System       85,505         21 Mud Logging       21,8100         22 Logging / Formation Evaluation       117,900         23 Mud & Chemicals       27,2,577         24 Water       25,5000         25 Stimulation       217,900         25 Stimulation       20,777         26 Stimulation       20,777         27,970       814,744         25 Stimulation       20,79000         28 Mud Circulation / Engineering       112,2000         29 Lip & Completion Overhead       11,7280         31 Labor       11,7280         35 Labor       11,7280         39 Plugging & Abandonment       12,3000         TOTAL INTANGIBLES >       3,323,635         5,718,123       86,550         60 Surface Casing       5,153         61 Intermediate Casing       225,548         62 Drilling Liner	180,000			180,000	
18 Completion Unit, Swab, CTU       110,0007       16,5007         20 Mud Circulation System       88,505	479,100	20,000			
20 Mud Circulation System         88,747           21 Mud Logging         21,810           22 Logging / Formation Evaluation         11,7407           23 Mud & Chemicals         27,2,577           24 Water         22,0707           25 Munulation	10,000		10,000	192	
21 Mud Logging     21,810"       22 Logging / Formation Evaluation     11,910"       23 Mud & Chemicals     27,2372       34 Mud & Chemicals     27,2372       24 Water     25,500"       25 Stimulation     -       26 Stimulation     -       28 Mud / Waterwater Disposal     101,375       28 Mud / Waterwater Disposal     101,375       28 Display & Completion Overhead     11,2500"       30 Rig Supervision / Engineering     132,900"       32 Dig & Completion Overhead     11,2500"       95 Insurance     3500/3       97 Contingency     302,149"       98 Of Contingency     302,149"       99 Plugging & Abandonment     -       TOTAL INTANGIBLES >     3,23,655       50 Total spectrum     COSTS       COSTS     COSTS       COSTS     COSTS       60 Production Casing     -       61 Intermediate Casing     -       63 Production Liner     -       64 Production Liner     -       65 Toting Liner     -       66 Tonks     -       67 Total Intermediate     -       68 Tonks     -       69 Production Liner     -       69 Production Liner     -       61 Tonks     -       69 To	156,500	16,500	140,000	-	18 Completion Unit, Swab, CTU
22 Logging / Formation Evaluation       17,900"         23 Mud & Chemicals       272,372"       464,100         24 Water       25,500"       804,744         25 Simulation       221,2300"       804,744         25 Simulation Flowback & Disposal       101,375       221,000"         28 Mud / Wastewater Disposal       101,375       221,000"         30 Rig Supervision / Engineering       152,000"       8,000"         32 Drig & Completion Overhead       11,280"       8,000"         32 Drig & Completion Overhead       11,280"       8,000"         32 Drig & Completion Overhead       11,280"       8,000"         35 Labor       141,000"       12,200"       10,000"         97 Contingency       302,149"       425,329"       8,050         90 Flugging & Abandonment	88,605			88,605	20 Mud Circulation System
22 Logging / Formation Evaluation       17,900"         23 Mud & Chemicals       272,372"       464,100         24 Water       25,500"       804,744         25 Simulation       221,2300"       804,744         25 Simulation Flowback & Disposal       101,375       221,000"         28 Mud / Wastewater Disposal       101,375       221,000"         30 Rig Supervision / Engineering       152,000"       8,000"         32 Drig & Completion Overhead       11,280"       8,000"         32 Drig & Completion Overhead       11,280"       8,000"         32 Drig & Completion Overhead       11,280"       8,000"         35 Labor       141,000"       12,200"       10,000"         97 Contingency       302,149"       425,329"       8,050         90 Flugging & Abandonment	21,810		2	21,810	21 Mud Logging
22 Mud & Chemicals         272,372         465,100           24 Water         25,500         801,744           25 Stimulation         21/17/0000         21/17/0000           28 Mud / Waterwater Disposal         101,375         221,000           30 Rig Supervision / Engineering         132,940         88,000         8,000           32 Ddg & Comptetion Overhead         11,250         10,000         80,000           32 Ddg & Comptetion Overhead         11,250         10,000         80,000           32 Ddg & Comptetion Overhead         11,250         10,000         80,000           95 Insurance         33,073         97         8,050           97 Contingency         302,119         425,329         8,050           97 Contingency         302,119         425,329         8,050           97 Contingency         302,119         425,329         8,050           97 Dotalignency         302,119         425,329         80,050           97 Dotalion Casing         22,538         5	19,900		8,000	11,900	
24 Water         25,500"         814,741"           25 Stimulation         21,070,000"         314,741"           25 Stimulation Flowback & Disposal         104,375         221,000"           28 Mud Wastewater Disposal         104,375         221,000"           28 Drig & Completion Overhead         11,230"         3000"           30 Rig Supervision / Engineering         132,200"         83,000"           32 Drig & Completion Overhead         11,230"         10,000"           35 Labor         114,000"         12,200"         10,000"           35 Labor         31,230"	736,472		464,100	2/2.3/2	
25 Stimulation Flowback & Disp       20.77,000         26 Stimulation Flowback & Disposal       101,375         27 Mud / Wastewater Disposal       101,375         28 Drig & Completion Overhead       11,230         23 Drig & Completion Overhead       11,230         23 Drig & Completion Overhead       11,230         24 Drig & Completion Overhead       11,230         25 Statur       30.007         26 Stimulation       11,230         27 Contingency       302,149         99 Plugging & Abandonanent       32,23,635         TOTAL INTANGIBLES >       3,223,635         7 Othingency       302,149         99 Plugging & Abandonanent       0000000         TOTAL INTANGIBLES >       3,223,635         7 Oth INTANGIBLE COSTS       COSTS         COSTS       COSTS         20 Drilling Liner       -         61 Intermediate Casing       225,548         20 Drilling Liner       -         65 Production Casing       29,000         66 Weduction Liner       -         70 Adottion Casing       29,000         71 Rod atring       -         72 Addiction Liner       -         73 Robustion Vesacla       -         69 Product	830,244				24 Water
26 Stimulation Flowback & Disp       132,000         28 Mud Wastewater Disposal       1013,3/5       221,000         30 Rig Supervision/Engineering       132,200       88,000         32 Difg & Completion Overhead       112,200       10,000         32 Difg & Completion Overhead       112,200       10,000         33 Labor       111,000       12,200       10,000         99 Flugging & Abandonatent	2,079,000				
28 Mud / Wastewater Disposal         101,3/5         221,007           30 Rig Supervision / Engineering         132,900         88,000         8,000           30 Rig Supervision / Engineering         132,900         88,000         8,000           31 Labor         111,231         -         -           31 Labor         111,231         -         -           35 Insurance         35,073         12,300         10,000           97 Contingency         302,149         42,5,329         8,050           97 Contingency         3,022,149         42,5,329         8,050           97 Contingency         3,023,635         5,718,123         88,550           97 Contingency         0,010         COSTS         COSTS         COSTS           105 Uning Liner         -         -         -         5           61 Netweediate Casing         -         -         50,000         -           64 Production Casing         -         -         5,000         -     <	152,000				
30 Rig Supervision / Engineering     132,900     8,000       32 Drig & Completion Overhead     11,250     8,000       32 Drig & Completion Overhead     11,250     10,000       97 Contingency     302,149     425,329     8,050       99 Plugging & Abandonanent     33,073					
32 Drig & Completion Overhead     11,230       33 Labor     111,200       35 Insurance     330,075       97 Contingency     300,2149       99 Plugging & Abandonanent     302,149       TOTAL INTANGIBLES >     3,323,635       5,718,123     88,550       DRILLING COMPLETION PRODUCTION COSTS       TANGIBLE COSTS     COSTS       60 Surface Casing     2,25,388       61 Interrectial Casing     2,25,388       62 Drilling Liner     5       63 Production Casing     299,512       64 Production Lainer     5       65 Tubing     7,000       67 Packers, Liner Hangers     25,000       70 Roomers     70,000       71 Kod string     70,000       72 Artificial Lift Equipment     70,000       73 Compressor     70       74 Installation Costs     70,000       75 Surface Pamps     70       76 Downhole Pumps     70       77 Measurement & Meter Installation     70       78 Gas Conditioning / Dehydration     70       79 Measurement & Meter Installation     70       78 Janke, Outropes     70       79 Measurement & Meter Installation     70       79 Measurement & Meter Installation     70       78 Janke, Controllers     70	325,375				
35 Labor     141,000     12,500     10,000       95 Insurance     33,073     3,073     10,000       95 Onningency     33,073     42,5327     8,050       99 Plagging & Abandonment     3,323,635     5,718,123     68,550       TOTAL INTANGIBLES > 3,323,635     5,718,123     68,550       DILLING COMPLETION COSTS       COSTS     COSTS     COSTS       ODJ Surface Casing       1,014     \$       5       COSTS       Statistical Casing       COSTS       Statistical Casing					

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TOTAL TANGIBLES >

TOTAL COSTS >

PREPARED BY Colgate Energy: Drilling Engineer: Rafael Madrid Completions Engineer: CRM Brady Adams Production Engineer: Brady Adams Colgate Energy APPROVAL: VP - Operations Co-CEO Co-CEO WH IW CRM VP - Land & Legal VP - Geosciences NON OPERATING PARTNER APPROVAL: Company Name: Working Interest (%): Tax ID:

Signed by: Date: Approval: Yes Title: No (mark one) NE, the Fasterpart agrees to per the ode and may bed be seen many & well-slong, bigst, to

concerns on the AFE annulation of the second s