ENGINEER

LOGGED IN

TYPE

APP NO

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms: [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response] **TYPE OF APPLICATION** - Check Those Which Apply for [A] [1] Location - Spacing Unit - Simultaneous Dedication \square NSL \square NSP \square SD Check One Only for [B] or [C] Commingling - Storage - Measurement

DHC CTB PC OLS OLM [B]Injection - Disposal - Pressure Increase - Enhanced Oil Recovery [C] □ WFX □ PMX □ SWD □ IPI □ EOR □ PPR [D] Other: Specify [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or \square Does Not Apply Working, Royalty or Overriding Royalty Interest Owners [A][B]Offset Operators, Leaseholders or Surface Owner Application is One Which Requires Published Legal Notice [C] [D] Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office For all of the above, Proof of Notification or Publication is Attached, and/or, [E] Waivers are Attached [F]

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE [3] OF APPLICATION INDICATED ABOVE.

CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Vanessa Neal	Vn N.l	Sr Reservoir Engineer	31 Jan 2022
Print or Type Name	Signature	Title	Date
		vanessa@faenergyus.com	

<u>District I</u> 1625 N. French Drive, Hobbs, NM 88240

<u>District II</u> 811 S. First St., Artesia, NM 88210

<u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410

District IV

State of New Mexico Energy, Minerals and Natural Resources Department

> Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

Form C-107A Revised August 1, 2011

APPLICATION TYPE

X_Single Well

Establish Pre-Approved Poo
EXISTING WELLBORE

1220 S. St. Francis Dr., Santa Fe, NM 87505	APPLICATION FOR DO	OWNHOLE COMMINGLING	<u>X</u> YesNo
FAE II Operating LLC Operator	11757 Katy Freewa	ay, Suite 725 Houston, TX 77079 ess	
C E LAMUNYON Lease		-23S-37E ection-Township-Range	LEA County
OGRID No. 329326 Property C		1 0	·
DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Langlie Mattix; 7 Rvrs-Q-Grayburg		Wildcat G-01 S233728A; San Andres
Pool Code	37240		97267
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3434-3759'		3843-3853'
Method of Production (Flowing or Artificial Lift)	ARTIFICAL LIFT		ARTIFICAL LIFT
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	35 API / 1.189 BTU		35 API / 1.189 BTU
Producing, Shut-In or New Zone	NEW ZONE		PRODUCING
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: SEE Rates: ATTACHED	Date: Rates:	Date: SEE ATTACHED
Fixed Allocation Percentage (Note: If allocation is based upon something other	Oil Gas	Oil Gas	Oil Gas
than current or past production, supporting data or explanation will be required.)	100 % 70 %	% %	0 % 25 %
	ADDITION.	AL DATA	
Are all working, royalty and overriding r If not, have all working, royalty and over Are all produced fluids from all comming	rriding royalty interest owners been	notified by certified mail?	YesX No Yes No YesX No
Will commingling decrease the value of			Yes No_ <u>X</u>
If this well is on, or communitized with, or the United States Bureau of Land Man			YesX No
NMOCD Reference Case No. applicable	to this well:		_
Attachments: C-102 for each zone to be commingle Production curve for each zone for at For zones with no production history Data to support allocation method or Notification list of working, royalty a Any additional statements, data or do	t least one year. (If not available, at c, estimated production rates and sup- formula. and overriding royalty interests for	ttach explanation.) pporting data. uncommon interest cases.	
	PRE-APPROV	VED POOLS	
		e following additional information will	be required:
List of other orders approving downhole List of all operators within the proposed Proof that all operators within the propos Bottomhole pressure data.	Pre-Approved Pools		
I hereby certify that the information	above is true and complete to th	e best of my knowledge and belief	•
SIGNATURE	TITLE S	Sr Reservoir Engineer I	DATE <u>08 FEB 2022</u>

_TELEPHONE NO. (<u>832</u>) <u>219-0990</u>

TYPE OR PRINT NAME Vanessa Neal

E-MAIL ADDRESS <u>vanessa@faenergyus.com</u>

FAE II Operating LLC 11757 Katy Fwy #725, Houston, TX 77079 (832) 220-9188 steven@faenergyus.com



February, 3 2022

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Dr
Santa Fe, NM 87505

Re: C E Lamunyon #021

API: 30-025-22323

[97267] Wildcat G-01 S233728A; San Andres [37240] Langlie Mattix; 7 Rvrs-Q-Grayburg

Dear Mr. McClure:

FAE II Operating, LLC, as operator, will be filing applications with the New Mexico Oil Conservation Division for approval of the aforementioned downhole commingling project. After a review of internal records, this letter serves as notice that the operator and interest owners are identical for the pools listed above.

If you have any questions, please feel free to contact the undersigned.

Thank you for your attention to this matter.

Respectfully,

Steven Lehrbass Director of Land





February 8, 2022

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Dr
Santa Fe, NM 87505

Re: C E Lamunyon #021

API: 30-025-22323

[37240] Langlie Mattix; 7 Rvrs-Q-Grayburg [97267] Wildcat G-01 S233728A; San Andres

Dear Mr. McClure:

FAE II Operating LLC, OGRID: 329326, requests administrative approval for downhole commingling of oil and gas production from the aforementioned well and pools. This well's surface location is described below and the downhole locations of each pool are shown in the attached C-102's.

Surface Location: A-28-23S-37E 510 FNL 660 FEL

Lat/Long: 32.2811966,-103.1614532 NAD83

The well is currently producing from the [97267] Wildcat G-01 S233728A; San Andres pool; Exhibit A shows the well's historical production from this pool. It is proposed to downhole commingle this pool with the [37240] Langlie Mattix; 7 Rvrs-Q-Grayburg pool. While there is no recent production for the proposed pool in this well, there are multiple offset wells that are currently producing from the proposed pool. The average historical production of the surrounding analog wells producing from the proposed pool are shown in Exhibit B.

Decline curve analysis was used to create forecasts for each pool with a heavy weighting toward the last five years of production as it should most heavily influence future performance. Historical monthly volumes for each pool for the last five years as wells as a forecast of the combined pools are shown in Exhibit C. After comparing the forecasts generated from the historical production of the **C E Lamunyon #021** and the offset analogs for each pool, pool allocations were calculated on a proportional volume basis. This allocation, along with estimated IP rates for each pool after the comingling work is complete, are displayed in the table in Exhibit D.

After a review of internal records, the interest owners are identical for the aforementioned wells. As such, notification to the relevant parties of our intent to commingle production will not be necessary.

This proposed commingling of production is in the interest of conservation and will not result in reduced royalty or improper measurement of production. If you have any questions, please feel free to contact the undersigned. Thank you for your attention to this matter.

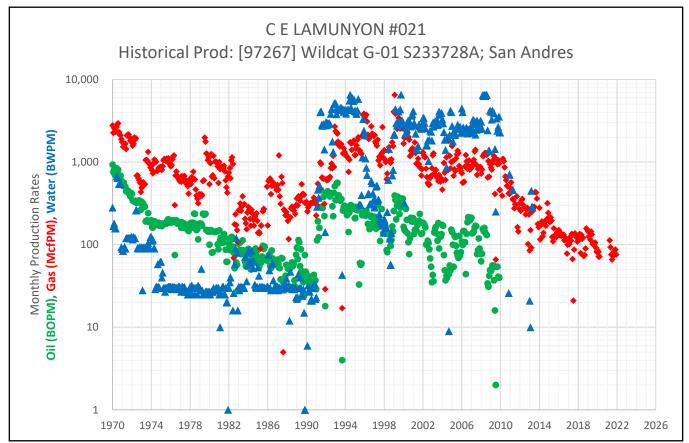
Respectfully,

Vanessa Neal

Sr Reservoir Engineer



Exhibit A - Historical Production of Current Pool



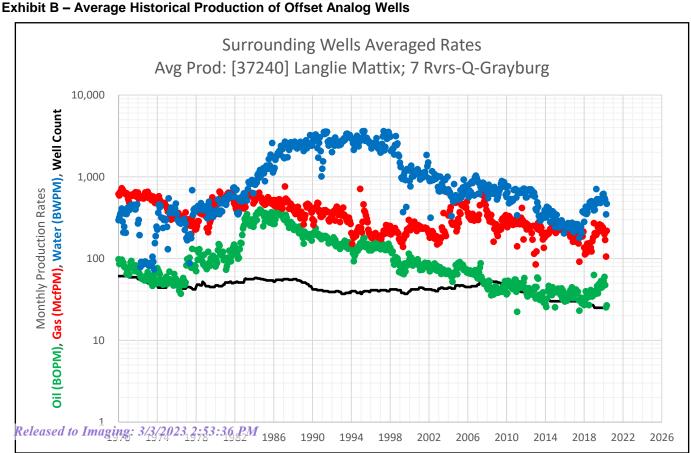




Exhibit C - Historical Production from Last 5 Years for Each Pool & Combined Future Forecast

		- 1
8/1/2016 41 185 9/1/2016 41 190 10/1/2016 45 200 11/1/2016 33 161 12/1/2016 34 199 1/1/2017 37 171 2/1/2017 38 162 3/1/2017 42 212 4/1/2017 38 175 5/1/2017 39 196 6/1/2017 31 154 7/1/2017 23 92 8/1/2017 31 201 9/1/2017 33 218 10/1/2017 33 218 10/1/2017 31 201 9/1/2017 32 188 12/1/2017 31 201 9/1/2017 32 188 12/1/2017 31 214 1/1/2018 27 136 2/1/2018 31 113 3/1/2018 40 121 4/1/2018 35 118 5/1/2018 36 153 6/1/2018 34 141 7/1/2018 35 118 5/1/2018 36 153 6/1/2018 34 141 7/1/2018 37 140 8/1/2018 38 155 9/1/2018 34 122 11/1/2018 39 180 1/1/2018 34 122 11/1/2018 39 180 1/1/2018 39 180 1/1/2018 39 180 1/1/2019 41 136 10/1/2018 39 180 1/1/2019 39 200 4/1/2019 41 196 5/1/2019 37 205 3/1/2019 39 200 4/1/2019 38 243 7/1/2019 46 208 6/1/2019 38 243 7/1/2019 47 207 8/1/2019 48 215 8/1/2019 46 208 6/1/2019 38 243 7/1/2019 46 208 6/1/2019 38 243 7/1/2019 46 208 6/1/2019 38 243 7/1/2019 46 208 6/1/2019 38 243 7/1/2019 47 169 4/1/2019 48 215 8/1/2019 50 262 9/1/2019 44 247 10/1/2019 45 243 12/1/2019 46 242 1/1/2020 54 221 2/1/2020 39 139 10/1/2020 27 219 6/1/2020 34 139 7/1/2020 39 139 10/1/2020 24 242 1/1/2020 39 139 10/1/2020 24 242 1/1/2020 39 139 10/1/2020 39 139 10/1/2020 39 139 10/1/2020 39 144 11/1/2021 22 250 2/1/2021 34 549 4/1/2021 53 30 5/1/2021 54 246	Water PM) Well Count	t
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1/1/2018	367 29	
2/1/2018 31 113 3/1/2018 40 121 4/1/2018 35 118 5/1/2018 36 153 6/1/2018 34 141 7/1/2018 27 140 8/1/2018 38 155 9/1/2018 41 136 10/1/2018 34 122 11/1/2018 35 163 12/1/2018 39 180 1/1/2019 63 272 2/1/2019 37 205 3/1/2019 41 196 5/1/2019 46 208 6/1/2019 38 243 7/1/2019 48 215 8/1/2019 49 207 8/1/2019 49 207 11/1/2019 41 196 5/1/2019 42 21 8/1/2019 43 215 8/1/2019 44 247 10/1/2019 45 243 12/1/2019 45 243 12/1/2020 47 169 3/1/2020 47 169 4/1/2020 25 106 5/1/2020 34 139 7/1/2020 34 139 7/1/2020 34 139 7/1/2020 34 139 7/1/2020 39 139 10/1/2020 22 42 11/1/2020 39 642 1/1/2020 39 642 1/1/2020 39 642 1/1/2020 39 642 1/1/2020 39 642 1/1/2020 39 642 1/1/2020 39 642 1/1/2020 39 642 1/1/2020 39 642 1/1/2020 39 642 1/1/2021 22 250 2/1/2021 34 549 4/1/2021 54 246	282 28	
3/1/2018	360 28	
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8/1/2018 38 155 9/1/2018 41 136 10/1/2018 34 122 11/1/2018 35 163 12/1/2018 39 180 1/1/2019 63 272 2/1/2019 37 205 3/1/2019 39 200 4/1/2019 41 196 5/1/2019 46 208 6/1/2019 38 243 7/1/2019 48 215 8/1/2019 50 262 9/1/2019 44 247 10/1/2019 45 243 12/1/2019 46 242 1/1/2020 54 221 2/1/2020 60 199 3/1/2020 47 169 4/1/2020 25 106 5/1/2020 34 139 7/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 39 139 10/1/2020 39 139 10/1/2020 39 642 11/1/2020 39 642 11/1/2020 39 642 11/1/2020 39 642 11/1/2020 39 642 11/1/2020 39 642 11/1/2021 22 250 2/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	441 28	28
9/1/2018 41 136 10/1/2018 34 122 11/1/2018 35 163 12/1/2018 39 180 1/1/2019 63 272 2/1/2019 37 205 3/1/2019 39 200 4/1/2019 41 196 5/1/2019 46 208 6/1/2019 38 243 7/1/2019 48 215 8/1/2019 50 262 9/1/2019 44 247 10/1/2019 45 243 12/1/2019 46 242 1/1/2020 54 221 2/1/2020 60 199 3/1/2020 47 169 4/1/2020 25 106 5/1/2020 34 139 7/1/2020 34 139 7/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 184 12/1/2020 39 139 10/1/2020 39 139 10/1/2020 39 642 11/1/2020 39 642 11/1/2020 39 642 11/1/2020 39 642 11/1/2021 22 250 2/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	487 27	
10/1/2018 34 122 11/1/2018 35 163 12/1/2018 39 180 1/1/2019 63 272 2/1/2019 37 205 3/1/2019 39 200 4/1/2019 41 196 5/1/2019 46 208 6/1/2019 38 243 7/1/2019 48 215 8/1/2019 50 262 9/1/2019 44 247 10/1/2019 53 256 11/1/2019 45 243 12/1/2019 46 242 1/1/2020 54 221 2/1/2020 60 199 3/1/2020 47 169 4/1/2020 25 106 5/1/2020 34 139 7/1/2020 34 139 7/1/2020 34 139 7/1/2020 39 139 10/1/2020 39 139 10/1/2020 40 184 12/1/2020 39 642 1/1/2020 39 642 1/1/2021 22 250 2/1/2021 34 549 4/1/2021 34 549 4/1/2021 53 30 5/1/2021 54 246	500 27	27
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3/1/2019 39 200 4/1/2019 41 196 5/1/2019 46 208 6/1/2019 38 243 7/1/2019 48 215 8/1/2019 50 262 9/1/2019 44 247 10/1/2019 53 256 11/1/2019 45 243 12/1/2019 46 242 1/1/2020 54 221 2/1/2020 60 199 3/1/2020 47 169 4/1/2020 25 106 5/1/2020 34 139 7/1/2020 34 139 7/1/2020 34 139 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 39 139 10/1/2020 22 42 11/1/2020 39 642 1/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	395 25	
4/1/2019 41 196 5/1/2019 46 208 6/1/2019 38 243 7/1/2019 48 215 8/1/2019 50 262 9/1/2019 44 247 10/1/2019 53 256 11/1/2019 45 243 12/1/2019 46 242 1/1/2020 54 221 2/1/2020 60 199 3/1/2020 47 169 4/1/2020 25 106 5/1/2020 27 219 6/1/2020 34 139 7/1/2020 34 139 7/1/2020 34 139 7/1/2020 39 139 10/1/2020 24 386 9/1/2020 39 139 10/1/2020 22 42 11/1/2020 40 184 12/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 </td <td>464 25</td> <td></td>	464 25	
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7/1/2019 48 215 8/1/2019 50 262 9/1/2019 44 247 10/1/2019 53 256 11/1/2019 45 243 12/1/2019 46 242 1/1/2020 54 221 2/1/2020 60 199 3/1/2020 47 169 4/1/2020 25 106 5/1/2020 34 139 7/1/2020 34 139 7/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 184 12/1/2020 39 139 10/1/2020 39 139 10/1/2020 39 642 11/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	511 25	
8/1/2019 50 262 9/1/2019 44 247 10/1/2019 53 256 11/1/2019 45 243 12/1/2019 46 242 1/1/2020 54 221 2/1/2020 60 199 3/1/2020 47 169 4/1/2020 25 106 5/1/2020 34 139 7/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 184 12/1/2020 39 139 10/1/2020 39 139 10/1/2020 39 642 11/1/2020 39 642 11/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	498 25	
9/1/2019 44 247 10/1/2019 53 256 11/1/2019 45 243 12/1/2019 46 242 1/1/2020 54 221 2/1/2020 60 199 3/1/2020 47 169 4/1/2020 25 106 5/1/2020 34 139 7/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 177 8/1/2020 34 184 12/1/2020 39 139 10/1/2020 39 139 10/1/2020 39 642 11/1/2020 39 642 11/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	497 25	
10/1/2019 53 256 11/1/2019 45 243 12/1/2019 46 242 1/1/2020 54 221 2/1/2020 60 199 3/1/2020 47 169 4/1/2020 25 106 5/1/2020 27 219 6/1/2020 34 139 7/1/2020 34 177 8/1/2020 24 386 9/1/2020 39 139 10/1/2020 22 42 11/1/2020 39 642 1/1/2020 39 642 1/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	480 25	
11/1/2019 45 243 12/1/2019 46 242 1/1/2020 54 221 2/1/2020 60 199 3/1/2020 47 169 4/1/2020 25 106 5/1/2020 27 219 6/1/2020 34 139 7/1/2020 34 177 8/1/2020 24 386 9/1/2020 39 139 10/1/2020 22 42 11/1/2020 40 184 12/1/2020 39 642 1/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	539 25	
12/1/2019 46 242 1/1/2020 54 221 2/1/2020 60 199 3/1/2020 47 169 4/1/2020 25 106 5/1/2020 27 219 6/1/2020 34 139 7/1/2020 34 177 8/1/2020 24 386 9/1/2020 39 139 10/1/2020 22 42 11/1/2020 40 184 12/1/2020 39 642 1/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	543 25	
1/1/2020 54 221 2/1/2020 60 199 3/1/2020 47 169 4/1/2020 25 106 5/1/2020 27 219 6/1/2020 34 139 7/1/2020 34 177 8/1/2020 24 386 9/1/2020 39 139 10/1/2020 22 42 11/1/2020 40 184 12/1/2020 39 642 1/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 54 246	611 25	
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5/1/2020 27 219 6/1/2020 34 139 7/1/2020 34 177 8/1/2020 24 386 9/1/2020 39 139 10/1/2020 22 42 11/1/2020 40 184 12/1/2020 39 642 1/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	349 25	
6/1/2020 34 139 7/1/2020 34 177 8/1/2020 24 386 9/1/2020 39 139 10/1/2020 22 42 11/1/2020 40 184 12/1/2020 39 642 1/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	468 25	
7/1/2020 34 177 8/1/2020 24 386 9/1/2020 39 139 10/1/2020 22 42 11/1/2020 40 184 12/1/2020 39 642 1/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	514 25	
8/1/2020 24 386 9/1/2020 39 139 10/1/2020 22 42 11/1/2020 40 184 12/1/2020 39 642 1/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	502 25	
9/1/2020 39 139 10/1/2020 22 42 11/1/2020 40 184 12/1/2020 39 642 1/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	462 25	
10/1/2020 22 42 11/1/2020 40 184 12/1/2020 39 642 1/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	543 25	
11/1/2020 40 184 12/1/2020 39 642 1/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	458 25	
12/1/2020 39 642 1/1/2021 22 250 2/1/2021 8 154 3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246		
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3/1/2021 34 549 4/1/2021 63 30 5/1/2021 54 246	306 25	
4/1/2021 63 30 5/1/2021 54 246	210 25	
5/1/2021 54 246	506 25	
	542 25	
B/1//11/1 51 22/1	519 25	
	558 25	
7/1/2021 50 214	530 25	
8/1/2021 44 191	497 25	
9/1/2021 40 154	497 25	
10/1/2021 34 181 Released to Lmaging: 43/3/2023	365 2. 2. 53 · 36 PM	25

5 Years for	Each I	Pool &	Combine
Historical Prod: [97	C E LAMUN 7267] Wildca		728A; San Andres
Date Avg (Oil (BOPM)	Avg Gas (McfPM)	Avg Water (BWPM)
7/1/2016		132	
8/1/2016		113	
9/1/2016		115	
10/1/2016		119	
11/1/2016		78	
12/1/2016		100	
1/1/2017		112	
2/1/2017		102	
3/1/2017		123	
4/1/2017		112	
5/1/2017		135	
6/1/2017		67	
7/1/2017		21	
8/1/2017		87	
9/1/2017		137	
10/1/2017		128	
11/1/2017		122	
12/1/2017		109	
1/1/2018		129	
2/1/2018		114	
3/1/2018		135	
4/1/2018		79	
5/1/2018		132	
6/1/2018 7/1/2018		118	
8/1/2018 8/1/2018		121 73	
9/1/2018		75 75	
10/1/2018		90	
11/1/2018		158	
12/1/2018		153	
1/1/2019		145	
2/1/2019		125	
3/1/2019		127	
4/1/2019		115	
5/1/2019		144	
6/1/2019		133	
7/1/2019		102	
8/1/2019		104	
9/1/2019		102	
10/1/2019		106	
11/1/2019		92	
12/1/2019		82	
1/1/2020 2/1/2020		86 82	
3/1/2020		72	
4/1/2020		72	
5/1/2020			
6/1/2020			
7/1/2020			
8/1/2020			
9/1/2020			
10/1/2020			
11/1/2020			
12/1/2020			
1/1/2021		-	
2/1/2021		-	
3/1/2021		-	
4/1/2021		113	
5/1/2021 6/1/2021		93 76	
7/1/2021		66	
8/1/2021		73	
9/1/2021		81	
10/1/2021		85	
11/1/2021		07	

11/1/2021

12/1/2021

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-uture r	orecasi	utule i olecast								
	Synthetic De	ecline Curve								
Month	Avg Oil (BOPM)	Avg Gas (McfPM)	Avg Water (BWPM)							
1	38.2	303.2	427.7							
2	38.0	302	426							
3	37.8	302	425							
4 5	37.7	301 300	423 422							
6	37.5 37.3	299	422							
7	37.1	299	419							
8	36.9	298	418							
9	36.8	297	417							
10	36.6	296	415							
11	36.4	296	414							
12	36.2	295	412							
13	36.1	294	411							
14	35.9	294	410							
15 16	35.7 35.6	293 292	408 407							
16 17	35.6 35.4	292 291	407 406							
18	35.2	291	404							
19	35.0	290	403							
20	34.9	289	402							
21	34.7	288	400							
22	34.5	288	399							
23	34.4	287	398							
24	34.2	286	396							
25	34.1	286	395							
26	33.9	285	394							
27	33.7	284	393							
28 29	33.6 33.4	283 283	391 390							
30	33.2	282	389							
31	33.1	281	387							
32	32.9	281	386							
33	32.8	280	385							
34	32.6	279	384							
35	32.5	278	382							
36	32.3	278	381							
37	32.2	277	380							
38 39	32.0 31.8	276 276	379 377							
40	31.7	275	376							
41	31.5	274	375							
42	31.4	274	374							
43	31.2	273	372							
44	31.1	272	371							
45	30.9	272	370							
46	30.8	271	369							
47 48	30.6 30.5	270 270	368 366							
48	30.5	269	365							
50	30.4	268	364							
51	30.1	268	363							
52	29.9	267	362							
53	29.8	266	360							
54	29.6	266	359							
55	29.5	265	358							
56	29.4	264	357							
57	29.2	264	356							
58 59	29.1	263	355 353							
60	28.9 28.8	262 262	353 352							
	20.0	202	552							

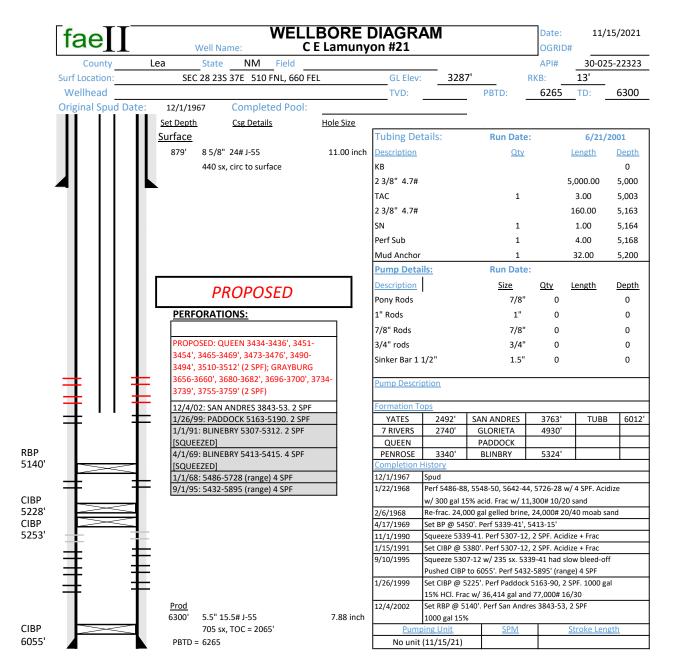


Exhibit D - Pool Allocations & Post Workover IP Rates

	OIL (bbls)	GAS (Mcf)	WATER (bbls)	POOL
5 yr Cum	2,296	11,762	25,708	[0-0.40]
Allocated %	100%	70%	100%	[37240] Langlie Mattix; 7 Rvrs-Q-Grayburg
Daily IP Rate	1.3	6.4	14.1	7 NVI3-Q-Grayburg
5 yr Cum	0	4,999	0	
Allocated %	0%	30%	0%	[97267] Wildcat G-01 S233728A; San Andres
Daily IP Rate	0.0	2.7	0.0	3233720A, San Andres
Daily IP Rate	1.3	9.2	14.1	Commingled (Total)

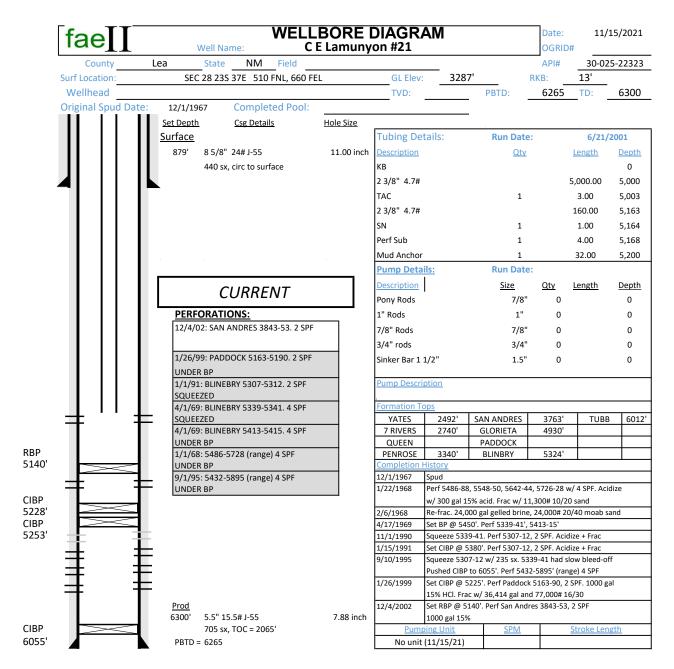
FAE C E LAMUNYON 21 SPUD_DATE : 12/4/1967 T23S R37E S28 3350 -PENROSE_SD -QUEEN_LOW1 3400-3450 -OILWIN_TOP 3500 --GRAYBURG 3550 -3600-3650 -OILWIN_BTM SAN_ANDRES 3800-3850 -

API14	SOURCE	STATUS	FMNAME	TOP PERF	BASE PERF	INTERVAL
30025223230000	CJH	PROPOSED	QUEEN	3434	3436	2
30025223230000	CJH	PROPOSED	QUEEN	3451	3454	3
30025223230000	CJH	PROPOSED	QUEEN	3465	3469	4
30025223230000	CJH	PROPOSED	QUEEN	3473	3476	3
30025223230000	CJH	PROPOSED	QUEEN	3490	3494	4
30025223230000	CJH	PROPOSED	QUEEN	3510	3512	2
30025223230000	CJH	PROPOSED	GRBG	3656	3660	4
30025223230000	CJH	PROPOSED	GRBG	3680	3682	2
30025223230000	CJH	PROPOSED	GRBG	3696	3700	4
30025223230000	CJH	PROPOSED	GRBG	3734	3739	5
30025223230000	CJH	PROPOSED	GRBG	3755	3759	4
30025223230000	OCD	ACTIVE	S-A	3843	3853	
30025223230000	OCD	BRIDGEPLUG		5140	5150	
30025223230000	OCD	INACTIVE		5163	5190	
30025223230000	OCD	BRIDGEPLUG		5225	5235	
30025223230000	OCD	INACTIVE		5339	5341	
30025223230000	OCD	INACTIVE		5413	5415	
30025223230000	OCD	INACTIVE		5486	5488	
30025223230000	OCD	INACTIVE		5548	5550	
30025223230000	OCD	INACTIVE		5642	5644	
30025223230000	OCD	INACTIVE		5726	5728	
					SUM	37



Workover History

12/1/1967	Spud
1/22/1968	Perf 5486-88, 5548-50, 5642-44, 5726-28 w/ 4 SPF. Acidize w/ 300 gal 15% acid. Frac w/ 11,300# 10/20 sand, 15,800 gal gelled brine water
2/6/1968	Re-frac. 24,000 gal gelled brine, 24,000# 20/40 moab sand
4/17/1969	Set BP @ 5450'. Perf 5339-41', 5413-15'
11/1/1990	Squeeze 5339-41. Perf 5307-12, 2 SPF. Acidize w/ 2000 gal 15% NEFE. Frac w/ 16,000 gal
1/15/1991	Set CIBP @ 5380' w/ 10' cmt. Perf 5307-5312, 2 SPF. Acidize w/ 2000 gal 15% NEFE
4/12/1991	Frac w/ 16,000 gal 40# crosslinked gel and 28,000# 20/40 sand, 4,000# 20/40 resin coated sand
9/10/1995	Squeeze 5307-12 w/ 235 sx. Held solid. Perfs 5339-41 had slow bleed-off. Pushed CIBP to 6055'. Perf 5432, 5448, 5473, 5503, 5518, 5561, 5592, 5602, 5628, 5666, 5684, 5701, 5741, 5747, 5778, 5850, 5878, 5895 w/ 4 SPF. Acidize w/ 4500 gal 15% NEFE HCl. Frac 5413-5895 w/ 80,500 gal 40# gel and 250,000# 16/30 Ottowa sand. 35 BPM and 6459#
1/26/1999	Set CIBP @ 5225'. Perf Paddock 5163-90, 2 SPF. 1000 gal 15% HCl. Frac w/ 36,414 gal and 77,000# 16/30 sand
12/4/2002	Set RBP @ 5140'. Perf San Andres 3843-53, 2 SPF. Acidize w/ 1000 gal 15%
6/15/2004	Rod part. Pin break on rod 115 f/ surface. Shop pump. Pump @ 3970'
PROPOSED	MIRU. CO to PBTD. Add Perfs to QUEEN & GRAYBURG. Acidize QUEEN w/ 3000 gals 15% NEFE HCL acid, 750# rocksalt, & flush w/ 500 bbls 2% KCL wtr. Acidize GRAYBURG w/ 3000 gals 15% NEFE HCL acid, 750# rocksalt, & flush w/ 500 bbls 2% KCL wtr. Acidize SAN ANDRES w/ 1500 gals 15% NEFE HCL acid, 500# rocksalt, & flush w/ 250 bbls 2% KCL wtr. DHC Langlie Mattix & Wildcat Pools.



Workover History

2/6/1968 Re-frac 4/17/1969 Set BP 11/1/1990 Squeez 1/15/1991 Set CIB 4/12/1991 Frac w,	486-88, 5548-50, 5642-44, 5726-28 w/ 4 SPF. Acidize w/ 300 gal 15% acid. Frac w/ 11,300# 10/20 sand, 15,800 gal gelled brine water c. 24,000 gal gelled brine, 24,000# 20/40 moab sand @ 5450'. Perf 5339-41', 5413-15' ze 5339-41. Perf 5307-12, 2 SPF. Acidize w/ 2000 gal 15% NEFE. Frac w/ 16,000 gal 3P @ 5380' w/ 10' cmt. Perf 5307-5312, 2 SPF. Acidize w/ 2000 gal 15% NEFE
4/17/1969 Set BP 11/1/1990 Squeez 1/15/1991 Set CIB 4/12/1991 Frac w,	@ 5450'. Perf 5339-41', 5413-15' ze 5339-41. Perf 5307-12, 2 SPF. Acidize w/ 2000 gal 15% NEFE. Frac w/ 16,000 gal
11/1/1990 Squeez 1/15/1991 Set CIB 4/12/1991 Frac w,	ze 5339-41. Perf 5307-12, 2 SPF. Acidize w/ 2000 gal 15% NEFE. Frac w/ 16,000 gal
1/15/1991 Set CIB 4/12/1991 Frac w,	
4/12/1991 Frac w,	3P @ 5380' w/ 10' cmt. Perf 5307-5312, 2 SPF. Acidize w/ 2000 gal 15% NEFE
	r/ 16,000 gal 40# crosslinked gel and 28,000# 20/40 sand, 4,000# 20/40 resin coated sand
5592, 5	ze 5307-12 w/ 235 sx. Held solid. Perfs 5339-41 had slow bleed-off. Pushed CIBP to 6055'. Perf 5432, 5448, 5473, 5503, 5518, 5561, 5602, 5628, 5666, 5684, 5701, 5741, 5747, 5778, 5850, 5878, 5895 w/ 4 SPF. Acidize w/ 4500 gal 15% NEFE HCI. Frac 5413-5895 w/ 0 gal 40# gel and 250,000# 16/30 Ottowa sand. 35 BPM and 6459#
1/26/1999 Set CIB	3P @ 5225'. Perf Paddock 5163-90, 2 SPF. 1000 gal 15% HCl. Frac w/ 36,414 gal and 77,000# 16/30 sand
12/4/2002 Set RBI	P @ 5140'. Perf San Andres 3843-53, 2 SPF. Acidize w/ 1000 gal 15%
6/15/2004 Rod pa	art. Pin break on rod 115 f/ surface. Shop pump. Pump @ 3970'

<u>District I</u>
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
<u>District II</u>
811 S. First St., Artesia, NM 88210

Phone: (575) 748-1283 Fax: (575) 748-9720 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

Phone: (505) 334-6178 Fax: (505) 334-6170 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Numb	er	² Pool Code ³ Pool Name					
30-025-223	0.000				TTIX;7 RVRS-Q	Q-GRAYBURG	
⁴ Property Code		⁵ Pr	roperty Name			⁶ We	ell Number
330686		CEL	AMUNYON			i	#021
⁷ OGRID No.	⁸ Operator Name					9 E	Elevation
329326	FAE II OPERATING, LLC					3	3308'
		10 Surfa	ace Location				

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
Α	28	23S	37E		510	N	660	E	LEA
			11 Bottom	Hole Locat	ion If Differe	ent From Sur	face		
UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
Α	28	23S	37E		510	N	660	E	LEA
12 Dedicated Acres	13 Joint o	r Infill 14	Consolidation Code	15 Order No.					
40	7	Y							
12 Dedicated Acres			_	¹⁵ Order No.	510	N	660	Е	LEA

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

16	NE/4 NE/4 Sec 28 (40 acres)	O 660,	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofor entered by the division. 1/31/2022
			Signature Date VANESSA NEAL Printed Name vanessa@faenergyus.com E-mail Address
			In SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey
			Signature and Seal of Professional Surveyor: Certificate Number

<u>District I</u> 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 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

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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

¹ API Number 30-025-2232		² Pool Code 97267	WILDCAT G-01 S233728A; SAN ANDRES		
⁴ Property Code	•	⁵ Property Name		⁶ Well Number	
330686	C E LAMUNYON			#021	
⁷ OGRID No.	⁸ Operator Name		⁹ Elevation		
329326	FAE II OPERATING, LLC			3308'	
	¹⁰ Surface Location				

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
Α	28	23S	37E		510	N	660	E	LEA
	¹¹ Bottom Hole Location If Different From Surface								
UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
Α	28	23S	37E		510	N	660	E	LEA
12 Dedicated Acres	13 Joint o	r Infill	Consolidation Code	15 Order No.					
40	7	Y							

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

16	NE/4 NE/4 Sec 28 (40 acres)	O 660,	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofor entered by the division.
			Signature Date VANESSA NEAL Printed Name vanessa@faenergyus.com E-mail Address
			IsSURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey
			Signature and Seal of Professional Surveyor: Certificate Number



U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Sundry Print Report

Well Name: CE LA MUNYON Well Location: T23S / R37E / SEC 28 / County or Parish/State: LEA /

NENE / 32.281195 / -103.161464

Well Number: 21 Type of Well: OIL WELL Allottee or Tribe Name:

Lease Number: NMLC030187 Unit or CA Name: Unit or CA Number:

US Well Number: 3002522323 Well Status: Inactive Operator: FAE II OPERATING

LLC

Notice of Intent

Sundry ID: 2656136

Type of Submission: Notice of Intent

Type of Action: Commingling (Subsurface)

Date Sundry Submitted: 02/08/2022 Time Sundry Submitted: 11:43

Date proposed operation will begin: 02/28/2022

Procedure Description: FAE II intends to submit application with the New Mexico Oil Conservation Division for approval of this downhole commingle project. Proposed: MIRU. CO to PBTD. Add Perfs to QUEEN & GRAYBURG. Acidize QUEEN w/ 3000 gals 15% NEFE HCL acid, 750# rocksalt, & flush w/ 500 bbls 2% KCL wtr. Acidize GRAYBURG w/ 3000 gals 15% NEFE HCL acid, 750# rocksalt, & flush w/ 500 bbls 2% KCL wtr. Acidize SAN ANDRES w/ 1500 gals 15% NEFE HCL acid, 500# rocksalt, & flush w/ 250 bbls 2% KCL wtr. DHC Langlie Mattix & Wildcat Pools.

NOI Attachments

Procedure Description

C_107a_Pkg_DHC_C_E_Lamunyon_21_2022_02_08_20220208114334.pdf

Page 1 of 2

eceived by OCD: 2/8/2022 11:50:25 AM Well Name: CE LA MUNYON

Well Location: T23S / R37E / SEC 28 /

NENE / 32.281195 / -103.161464

County or Parish/State: LEA

NM

Well Number: 21

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC030187

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002522323

Well Status: Inactive

Operator: FAE II OPERATING

LLC

Zip:

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: VANESSA NEAL Signed on: FEB 08, 2022 11:43 AM

Name: FAE II OPERATING LLC

Title: Reservoir Engineer

Street Address: 11757 KATY FREEWAY, SUITE 1000

City: HOUSTON State: TX

Phone: (832) 219-0990

Email address: VANESSA@FAENERGYUS.COM

Field Representative

Representative Name:

Street Address:

City: State:

Phone:

Email address:

From: McClure, Dean, EMNRD on behalf of Engineer, OCD, EMNRD

To: <u>Vanessa Neal</u>

Cc: McClure, Dean, EMNRD; Kautz, Paul, EMNRD; Wrinkle, Justin, EMNRD; Powell, Brandon, EMNRD; Paradis, Kyle

O; Walls, Christopher

Subject: Approved Administrative Order DHC-5187

Date: Friday, March 3, 2023 2:33:04 PM

Attachments: DHC5187 Order.pdf

NMOCD has issued Administrative Order DHC-5187 which authorizes FAE II Operating, LLC (329326) to downhole commingle production within the following well:

Well Name: C E Lamunyon #21
Well API: 30-025-22323

The administrative order is attached to this email and can also be found online at OCD Imaging.

Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
(505) 469-8211

<u>District I</u> 1625 N. French Drive, Hobbs, NM 88240

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District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Department

> Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

Form C-107A Revised August 1, 2011

APPLICATION TYPE

APPLICATION FOR DOWNHOLE COMMINGLING

_	X Single Well	
	Establish Pre-Ap	proved Pool
	EXISTING WE	LLBORE
MMINGLING	<u>X</u> Yes _	No

FAE II Operating LLC Operator	11757 Katy Freewa Addre	ay, Suite 725 Houston, TX 77079	
C E LAMUNYON		23S-37E	LEA
Lease		ection-Township-Range	County
OGRID No. 329326 Property C	ode <u>330686</u> API No. <u>30</u>	<u>1-025-22323</u> Lease Type: <u>X</u>	_FederalStateFee
DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Langlie Mattix; 7 Rvrs-Q-Grayburg		Wildcat G-01 S233728A; San Andres
Pool Code	37240		97267
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3434-3759'		3843-3853'
Method of Production (Flowing or Artificial Lift) Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	ARTIFICAL LIFT		ARTIFICAL LIFT
Oil Gravity or Gas BTU (Degree API or Gas BTU)	35 API / 1.189 BTU		35 API / 1.189 BTU
Producing, Shut-In or New Zone Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production	NEW ZONE Date: SEE	Date:	PRODUCING Date: SEE
estimates and supporting data.)	Rates: ATTACHED	Rates:	Rates: ATTACHED
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 100 % 70 %	Oil Gas %	Oil Gas 0 % 30 %
	ADDITION	AL DATA	
Are all working, royalty and overriding rought from the first transfer of the first tran			Yes X No No No
Are all produced fluids from all comming		•	Yes <u>X</u> No
Will commingling decrease the value of p	production?		Yes No_ <u>X</u>
If this well is on, or communitized with, sor the United States Bureau of Land Man			Yes <u>X</u> No
NMOCD Reference Case No. applicable	to this well:		_
Attachments: C-102 for each zone to be commingle Production curve for each zone for at For zones with no production history Data to support allocation method or Notification list of working, royalty a Any additional statements, data or do	least one year. (If not available, at sestimated production rates and supformula. Ind overriding royalty interests for the section of the se	tach explanation.) pporting data. uncommon interest cases.	
	PRE-APPROV	/ED POOLS	
If application is to	establish Pre-Approved Pools, the	following additional information will	be required:
List of other orders approving downhole List of all operators within the proposed Proof that all operators within the propos Bottomhole pressure data.	Pre-Approved Pools		
I hereby certify that the information a	above is true and complete to the	e best of my knowledge and belief	:
SIGNATURE /	TITLES	r Reservoir EngineerI	DATE <u>27 FEB 2023</u>
TYPE OR PRINT NAME Vanes	ssa Neal	TELEPHONE NO. (_832	_)_219-0990
E-MAIL ADDRESS vanessa@faer	nergyus.com		

From: <u>Vanessa Neal</u>

To: McClure, Dean, EMNRD
Cc: Jessica LaMarro

 Subject:
 [EXTERNAL] RE: Action ID: 79610; DHC-5187

 Date:
 Monday, February 27, 2023 1:33:06 PM

Attachments: <u>image001.pnq</u>

C-107a DHC C E Lamunyon #021 2023-02-27.pdf

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Amended C-107a form attached.

Thank you,

Vanessa Neal | Sr Reservoir Engineer

forty acres energy

O 832.219.0990 (ext 165)

C <u>979.255.3476</u>

From: McClure, Dean, EMNRD < Dean. McClure@emnrd.nm.gov>

Sent: Thursday, February 23, 2023 11:00 AM **To:** Vanessa Neal <vanessa@faenergyus.com>

Subject: Action ID: 79610; DHC-5187

To whom it may concern (c/o Vanessa Neal for FAE II Operating, LLC),

The Division is reviewing the following application:

Action ID	79610
Admin No.	DHC-5187
Applicant	FAE II Operating, LLC (329326)
Title	C E Lamunyon #21
Sub. Date	2/8/2022

Please provide the following additional supplemental documents:

• An amended form C-107A with the fixed percentage allocation corrected.

Please provide additional information regarding the following:

•

Additional notes:

•

All additional supplemental documents and information may be provided via email and should be done by replying to this email. The produced email chain will be uploaded to the file for this application.

Please note that failure to take steps to address each of the requests made in this email within 10 business days of receipt of this email may result in the Division rejecting the application requiring the submittal of a new application by the applicant once it is prepared to address each of the topics raised.

Dean McClure Petroleum Engineer, Oil Conservation Division New Mexico Energy, Minerals and Natural Resources Department (505) 469-8211

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

APPLICATION FOR DOWNHOLE COMMINGLING SUBMITTED BY FAE II OPERATING, LLC

ORDER NO. DHC-5187

ORDER

The Director of the New Mexico Oil Conservation Division ("OCD"), having considered the application and the recommendation of the Engineering Bureau, issues the following Order.

FINDINGS OF FACT

- 1. FAE II Operating, LLC ("Applicant") submitted a complete application ("Application") to downhole commingle the pools described in Exhibit A ("the Pools") within the well bore of the well identified in Exhibit A ("the Well").
- 2. Applicant proposed a method to allocate the oil and gas production from the Well to each of the Pools that is satisfactory to the OCD and protective of correlative rights.
- 3. Applicant has certified that all produced fluids from all the Pools are compatible with each other.
- 4. Applicant has certified that downhole commingling the Pools will not decrease the value of the oil and gas production.
- 5. To the extent that ownership is identical, Applicant submitted a certification by a licensed attorney or qualified petroleum landman that ownership in the Pools is identical as defined by 19.15.12.7(B) NMAC.
- 6. Applicant provided notice of the Application to the Bureau of Land Management ("BLM") or New Mexico State Land Office ("NMSLO"), as applicable.

CONCLUSIONS OF LAW

- 7. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, Sections 70-2-6, 70-2-11, 70-2-12, 70-2-16, 70-2-17, and 19.15.12 NMAC.
- 8. The downhole commingling of the Pools is common, or Applicant has provided evidence that the fluids are compatible and will not damage the Pools in accordance with 19.15.12.11(A)(1) NMAC.
- 9. The bottom perforation of the lower zone is within one hundred fifty percent (150%) of the depth of the top perforation in the upper zone or Applicant has provided evidence that the proposed commingling of the Pools shall not result in shut-in or flowing well bore pressure in excess of the commingled pool's fracture parting pressure in accordance with 19.15.12.11(A)(3) NMAC.

Order No. DHC-5187 Page 1 of 3

- 10. Applicant's proposed method of allocation, as modified herein, complies with 19.15.12.11(A)(8) NMAC.
- 11. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

ORDER

- 1. Applicant is authorized to downhole commingle the Pools described in Exhibit A within the well bore of the well identified in Exhibit A.
- 2. Applicant shall allocate a fixed percentage of the oil and gas production from the Well to each of the Pools as described in Exhibit A.
- 3. If an alteration is made to the Well or a condition within the Well changes which may cause the allocation of production to the Pools as approved within this Order to become inaccurate, then no later than sixty (60) days after that event, Applicant shall submit Form C-103 to the OCD Engineering Bureau describing the event and include a revised allocation plan. If OCD denies the revised allocation plan, this Order shall terminate on the date of such action.
- 4. If any of the pools being commingled is prorated, or the Well's production has been restricted by an OCD order in any manner, the allocated production from each producing pool in the commingled well bore shall not exceed the top oil or gas allowable rate for a well in that pool or rate restriction applicable to the well.
- 5. If the Well is deepened, then no later than forty-five (45) days after the Well is deepened, Applicant shall conduct and provide logs to OCD that are sufficient for OCD to determine which pool(s) each new completed interval of the Well will produce from.
- 6. If the downhole commingling of the Pools reduces the value of the oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred Applicant shall submit a new downhole commingling application to OCD to amend this Order to remove the pool that caused the decrease in value. If Applicant fails to submit a new application, this Order shall terminate on the following day, and if OCD denies the application, this Order shall terminate on the date of such action.
- 7. If a completed interval of the Well is altered from what is submitted within the Application as identified in Exhibit A, then no later than sixty (60) days after the alteration, Applicant shall submit Form C-103 to the OCD Engineering Bureau detailing the alteration and completed interval.
- 8. If OCD determines that Applicant has failed to comply with any provision of this Order, OCD may take any action authorized by the Oil and Gas Act or the New Mexico Administrative Code (NMAC).
- 9. OCD retains jurisdiction of this matter and reserves the right to modify or revoke this Order as it deems necessary.

Order No. DHC-5187 Page 2 of 3

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

DYLANM. FUGE

DIRECTOR (ACTING)

Order No. DHC-5187 Page 3 of 3

DATE: 3/3/23

State of New Mexico Energy, Minerals and Natural Resources Department

Exhibit A

Order: DHC-5187

Operator: FAE II Operating, LLC (329326)

Well Name: C E Lamunyon #21 Well API: 30-025-22323

Pool Name: LANGLIE MATTIX;7 RVRS-Q-GRAYBURG

Upper Zone Pool ID: 37240 Current: New: X
Allocation: Fixed Percent Oil: 100% Gas: 70%
Interval: Perforations Top: 3,434 Bottom: 3,759

Pool Name:

Intermediate Zone Pool ID: Current: New: Allocation: Oil: Gas:

Allocation: Oil: Gas: Interval: Top: Bottom:

Bottom of Interval within 150% of Upper Zone's Top of Interval:

Pool Name: WC-025 G-01 S233728A;SAN ANDRES

Lower Zone Pool ID: 97267 Current: X New:

Allocation: Fixed Percent Oil: 0% Gas: 30% Interval: Perforations Top: 3,843 Bottom: 3,853

Bottom of Interval within 150% of Upper Zone's Top of Interval: YES

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 Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 79610

CONDITIONS

Operator:	OGRID:	
FAE II Operating LLC	329326	
11757 Katy Freeway, Suite 725	Action Number:	
Houston, TX 77079	79610	
	Action Type:	
	[C-107] Down Hole Commingle (C-107A)	

CONDITIONS

Created By		Condition Date
dmcclure	Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.	3/3/2023