From:	Vanessa Neal
То:	McClure, Dean, EMNRD
Subject:	[EXTERNAL] Withdrawal of C-107a Applications
Date:	Monday, August 29, 2022 1:50:42 PM
Attachments:	image001.png

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

Hi Dean,

We would like to formally withdraw the following C-107a applications:

PO Number	ID	Well Name	API
D9G92-220207-C-107A	pDM2210437721	Saltmount #001	30-025-10819
K6DG3-220208-C-107A	pDM2210860768	C E Lamunyon #045	30-025-25919
JEF0N-220207-C-107A	pDM2210437234	C E Lamunyon #049	30-025-26177
CNQLC-220330-C-107A		E C Hill B Federal #011	30-025-32586

Thank you,

Vanessa Neal |Sr Reservoir Engineer

forty acres energy

11757 Katy Freeway, Suite 725 | Houston, TX 77079

- O <u>832.219.0990 (ext 165)</u>
- C <u>979.255.3476</u>
- E <u>vanessa@faenergyus.com</u>

	SUS	PENSE	ENGINEER	LOGGED IN	TYPE	APP NO.	
			A	BOVE THIS LINE FOR DIVISION USE	ONLY		
		NEW N	MEXICO OIL C	CONSERVATION	DIVISION	A THE STATE OF	
				ering Bureau -			
		122	0 South St. Franci	s Drive, Santa Fe, N	M 87505		
		ADIVI	INISIKAIN	/E APPLICA		ALISI	
THIS CH	ECKLIST IS N	IANDATOR		ATIVE APPLICATIONS FO DCESSING AT THE DIVIS		DIVISION RULES AND REG	ULATIONS
	n Acronym SI -Non-Sta		ocation1 INSD No	n-Standard Brazati	n IInit1 [SD_S:	ultaneous Dedication	-1
[IN]				FB-Lease Comming		l/Lease Commingling	-
	[PC-Po			Off-Lease Storage		se Measurement]	
		-	aterflood Expansi ND-Salt Water Dis	onj [PMX-Pressu posal] [IPI-Injecti	re Maintenance ion Pressure Inc		
	[EOR-Qua	lified En	hanced Oil Recov	ery Certification]	[PPR-Positive F	roduction Response	I
[1] T Y	PE OF A	PPLICA	TION - Check Th	ose Which Apply fo	or [A]		
	[A]			- Simultaneous Dec	lication		
			ISL 🗌 NSP [SD			
			nly for [B] or [C]				
	[B]	Comn	ningling - Storage			OLM	
			OHC \square CTB	PLC PC			
			OHC CTB	PLC PC			
	[C]	Injecti	ion - D <u>isp</u> osal - Pr	essure Increase - En	hanced Oil Recov	zery	
		Injecti			hanced Oil Recov		
		Injecti	ion - D <u>isp</u> osal - Pr	essure Increase - En	hanced Oil Recov	zery	
21 N ([C] [D]	Injecti U W Other:	ion - Disposal - Pro VFX [] PMX : Specify	essure Increase - En	hanced Oil Recov	ery] PPR	
[2] N ([C] [D]	Injecti U W Other:	ion - Disposal - Pro VFX [] PMX : Specify CQUIRED TO: - (essure Increase - En	hanced Oil Recov	rery] PPR s Not Apply	
[2] N ([C] [D] DTIFICAT [A]	Injecti	ion - Disposal - Pro VFX [] PMX : Specify CQUIRED TO: - (Vorking, Royalty c	essure Increase - En	hanced Oil Recov	rery] PPR s Not Apply	
[2] N ([C] [D] DTIFICAT [A] [B]	Injecti W Other: TION RE	ion - Disposal - Pro VFX D PMX : Specify CQUIRED TO: - (Vorking, Royalty c	essure Increase - En SWD IF Check Those Which or Overriding Royalt easeholders or Surfa	hanced Oil Recover EOR Decover Apply, or Doe y Interest Owner	rery] PPR s Not Apply	
[2] N ([C] [D] DTIFICAT [A]	Injecti W Other: TION RE	ion - Disposal - Pro VFX D PMX : Specify CQUIRED TO: - (Vorking, Royalty c	essure Increase - En	hanced Oil Recover EOR Decover Apply, or Doe y Interest Owner	rery] PPR s Not Apply	
[2] N ([C] [D] DTIFICAT [A] [B]	Injecti W Other: U ON RE W C O C C C N N	ion - Disposal - Pro VFX D PMX : Specify CQUIRED TO: - (Vorking, Royalty of Offset Operators, L Application is One Notification and/or	essure Increase - En SWD IF Check Those Which or Overriding Royalt easeholders or Surfa	hanced Oil Recover EVI EOR Apply, or Doe Doe Dished Legal Not	rery PPR s Not Apply	

[F] Waivers are Attached

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

[4] **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.

Vin N.l	Sr Reservoir Engineer	02 Feb 2022
Signature	Title	Date

vanessa@faenergyus.com

e-mail Address

Print or Type Name

Vanessa Neal

Released to Imaging: 9/12/2022 2:06:24 PM

Received by OCD: 9/12/2022 2:03:42 PM

District I 1625 N. French Drive, Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV

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

FAE II Operating LLC

Operator

State of New Mexico Energy, Minerals and Natural Resources Department Form C-107A Revised August 1, 2011

Page 3 of 23

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

APPLICATION TYPE X_Single Well Establish Pre-Approved Pools EXISTING WELLBORE <u>X</u> Yes <u>No</u>

APPLICATION FOR DOWNHOLE COMMINGLING

11757 Katy Freeway, Suite 725 Houston, TX 77079

C E LAMUNYON	#045	D-27-23S-37E	LEA
Lease	Well No.	Unit Letter-Section-Township-Range	County
	~		

Address

OGRID No. <u>329326</u> Property Code <u>330686</u> API No. <u>30-025-25919</u> Lease Type: <u>X</u> Federal <u>State</u> __Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE 1	INTERMEDIATE ZONE 2	LOWER ZONE	
Pool Name	Teague; Paddock-Blinebry	Imperial; Tubb-Drinkard	Teague Mid; Abo	Teague; Devonian, North	
Pool Code	58300	33600	96599	58360	
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	5155-5770'	6350-6438'	6505-7034'	7247-7491'	
Method of Production (Flowing or Artificial Lift)	ARTIFICAL LIFT	ARTIFICAL 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	35 API / 1.189 BTU	35 API / 1.189 BTU	
Producing, Shut-In or New Zone	PRODUCING	PRODUCING	NEW ZONE	SHUT-IN	
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: Date: SEE Rates: ATTACHED Rates: ATTACHED		Date: SEE 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 42 % 38 %	Oil Gas 37 % 16 %	Oil Gas 0 % 8 %	Oil Gas 21 % 38 %	

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?	Yes Yes		No No
Are all produced fluids from all commingled zones compatible with each other?	Yes	<u>X</u>	No
Will commingling decrease the value of production?	Yes		No <u>X</u>
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?	Yes	<u>_X</u>	No
NMOCD Reference Case No. applicable to this well:			

Attachments:

C-102 for each zone to be commingled showing its spacing unit and acreage dedication.

Production curve for each zone for at least one year. (If not available, attach explanation.)

For zones with no production history, estimated production rates and supporting data.

Data to support allocation method or formula.

Notification list of working, royalty and overriding royalty interests for uncommon interest cases.

Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools

List of all operators within the proposed Pre-Approved Pools

Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application. Bottomhole pressure data.

I hereby certify that the information above is tr	ue and complete to	the best of my knowledge a	and belief.		
SIGNATURE	TITLE	Sr Reservoir Engineer	DATE	08 FEB 2022	
TYPE OR PRINT NAME Vanessa Neal		TELEPHONE N	JO (832) 219-	.0990	

E-MAIL ADDRESS_vanessa@faenergyus.com

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

fae∏operating

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 #045 API: 30-025-25919 [58300] Teague; Paddock-Blinebry [33600] Imperial; Tubb-Drinkard [96599] Teague Mid; Abo [58360] Teague; Devonian, North

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

FAE II Operating LLC 11757 Katy Fwy #725, Houston, TX 77079 (832) 219-0990 vanessa@faenergyus.com

February 8, 2022

fae]]operating

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 #045 API: 30-025-25919 [58300] Teague; Paddock-Blinebry [33600] Imperial; Tubb-Drinkard [96599] Teague Mid; Abo [58360] Teague; Devonian, North

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: D-27-23S-37E 500 FNL 990 FWL Lat/Long: 32.2812233,-103.1561127 NAD83

The well is currently downhole commingled and producing from the **[58300] Teague; Paddock-Blinebry** and **[33600] Imperial; Tubb-Drinkard** pools; Exhibit A shows the well's historical production from these pools. It is proposed to downhole commingle these pools with the **[96599] Teague Mid; Abo** and **[58360] Teague; Devonian, North** pools. 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 #045** 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,

Vin N.y

Vanessa Neal Sr Reservoir Engineer *Released to Imaging: 9/12/2022 2:06:24 PM*

Exhibit A – Historical Production of Current Pool

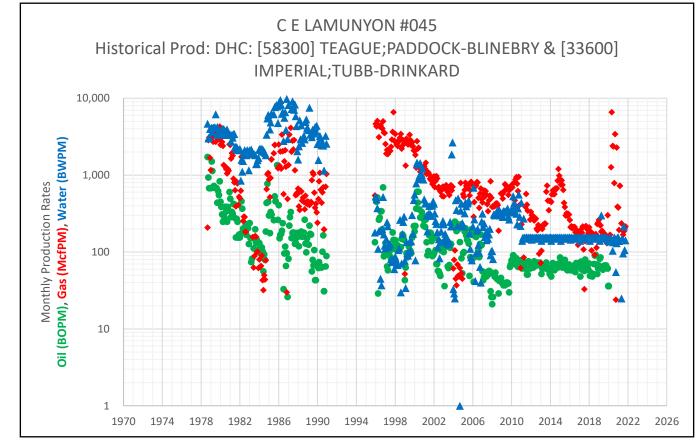
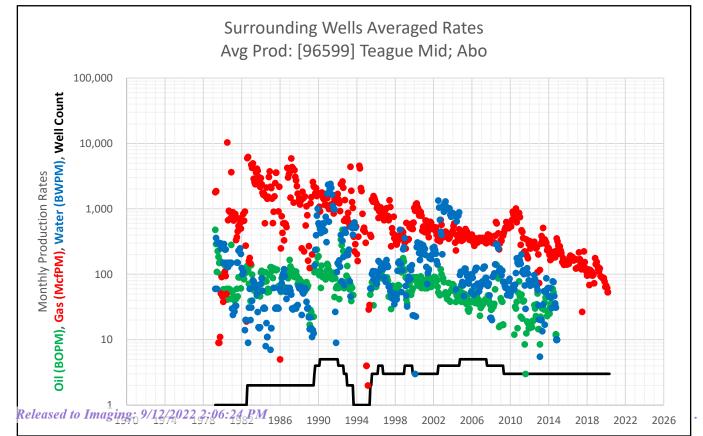
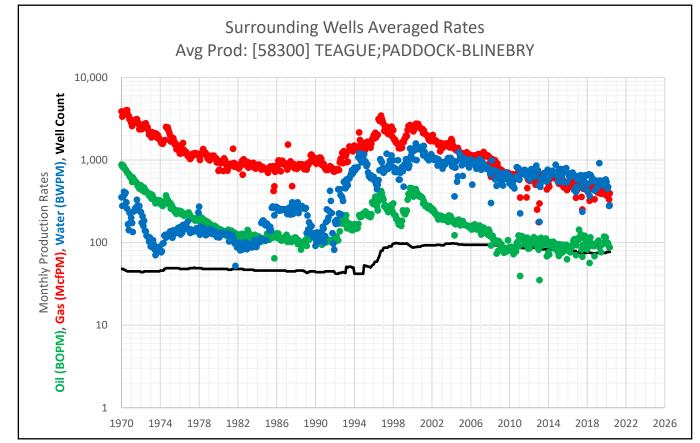
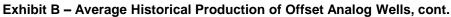
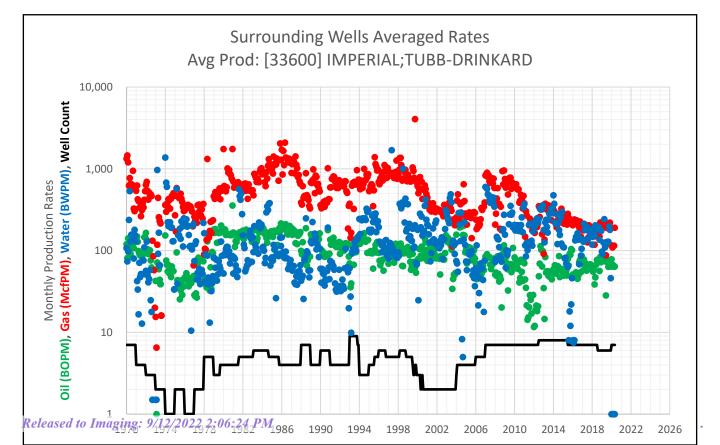


Exhibit B – Average Historical Production of Offset Analog Wells









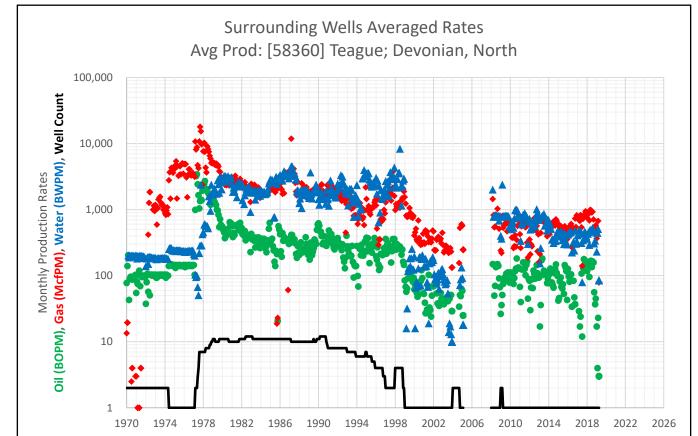


Exhibit B – Average Historical Production of Offset Analog Wells, cont.

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

Avg I	Surrounding Wells Averaged Rates Avg Prod: [58300] TEAGUE;PADDOCK-BLINEBR		RY	Surrounding Wells Averaged Rates Avg Prod: [33600] IMPERIAL;TUBB-DRINKARD					ng Wells Aver [96599] Teagu					
Date 5/1/2016	Avg Oil (BOPM) 90	Avg Gas (McfPM) 512	Avg Water (BWPM) 680	Well Count 80	Date 5/1/2016	Avg Oil (BOPM) 55	Avg Gas (McfPM) 234	Avg Water (BWPM) 148	Well Count	Date 5/1/2016	Avg Oil (BOPM)	Avg Gas (McfPM) 180	Avg Water (BWPM)	Well Count
6/1/2016	89	517	677	79	6/1/2016	53	234	146	7	6/1/2016		185		-
7/1/2016	95	548	705	79	7/1/2016	45	214	164	7	7/1/2016		183	-	3
8/1/2016	106	504	660	79	8/1/2016	50	206	137	7	8/1/2016		162	-	3
9/1/2016	110	438	436	79	9/1/2016	73	192	68	7	9/1/2016	-	171	-	3
10/1/2016	103	508	650	79	10/1/2016	77	227	142	7	10/1/2016	-	168	-	3
11/1/2016	71	350	409	79	11/1/2016	55	148	87	7	11/1/2016	-	122	-	3
12/1/2016	93	427	472	76	12/1/2016	87	207	106	7	12/1/2016	-	169	-	3
1/1/2017 2/1/2017	113 109	500 466	573 575	76 76	1/1/2017 2/1/2017	69 58	191 177	137 129	/	1/1/2017 2/1/2017	-	127 126	-	3
3/1/2017	109	400 552	642	76	3/1/2017	78	211	213	7	3/1/2017	-	217	-	-
4/1/2017	115	500	623	75	4/1/2017	60	185	179	7	4/1/2017	-	170		
5/1/2017	127	551	656	75	5/1/2017	69	206	189	7	5/1/2017	-	141	-	3
6/1/2017	82	358	463	75	6/1/2017	57	132	135	7	6/1/2017	-	119	-	з
7/1/2017	68	251	236	75	7/1/2017	63	126	194	7	7/1/2017	-	27	-	3
8/1/2017	95	449	535	75	8/1/2017	59	144	140	7	8/1/2017	-	146	-	3
9/1/2017	115	537	616	75	9/1/2017	64	204	181	7	9/1/2017	-	224	-	3
10/1/2017 11/1/2017	121	513 487	654 644	75 75	10/1/2017 11/1/2017	68 68	181 165	167 172	7	10/1/2017 11/1/2017	-	154	-	3
11/1/2017 12/1/2017	114 103	487 467	523	75 75	11/1/2017 12/1/2017	68 65	165 163	172 152	7	11/1/2017 12/1/2017	-	124 111	-	3
1/1/2018	82	431	424	75	1/1/2018	65	165	119	7	1/1/2018	-	96	-	3
2/1/2018	89	409	511	76	2/1/2018	55	150	148	7	2/1/2018	-	97	-	3
3/1/2018	111	477	672	76	3/1/2018	61	180	186	7	3/1/2018	-	119	-	з
4/1/2018	57	322	369	76	4/1/2018	39	118	156	7	4/1/2018	-	69	-	з
5/1/2018	116	520	662	75	5/1/2018	47	150	204	7	5/1/2018	-	117	-	3
6/1/2018 7/1/2018	99 92	475 455	639 583	75 75	6/1/2018 7/1/2018	67 77	163 169	186 189	7	6/1/2018 7/1/2018	-	97 109	-	3
8/1/2018	96	433	558	73	8/1/2018	78	103	189	6	8/1/2018	-	96		-
9/1/2018	91	439	582	74	9/1/2018	78	199	195	6	9/1/2018	-	99	-	3
10/1/2018	69	335	429	74	10/1/2018	56	148	136	6	10/1/2018	-	73	-	3
11/1/2018	97	469	554	74	11/1/2018	84	221	177	6	11/1/2018	-	177	-	З
12/1/2018	95	463	560	74	12/1/2018	72	221	174	6	12/1/2018	-	143	-	3
1/1/2019	100	442	458	75	1/1/2019	74	218	97	6	1/1/2019	-	155	-	3
2/1/2019 3/1/2019	93 106	404 447	473 561	75 75	2/1/2019 3/1/2019	75 81	202 226	91 125	6	2/1/2019 3/1/2019	-	133 118		3
4/1/2019	88	447	920	75	4/1/2019	75	220	243	6	4/1/2019	-	118		3
5/1/2019	98	454	565	75	5/1/2019	78	222	110	6	5/1/2019	-	123	-	3
6/1/2019	77	392	508	75	6/1/2019	28	88	121	6	6/1/2019	-	94	-	3
7/1/2019	95	428	551	75	7/1/2019	73	190	128	6	7/1/2019	-	91	-	3
8/1/2019	97	440	560	75	8/1/2019	77	201	125	6	8/1/2019	-	90	-	3
9/1/2019 10/1/2019	97 118	415 409	534 518	75 75	9/1/2019 10/1/2019	63 69	199 202	129 199	6	9/1/2019 10/1/2019	-	87 88	-	3
10/1/2019	103	383	493	75	11/1/2019	65	202	199	6	11/1/2019		78		3
12/1/2019	117	424	582	75	12/1/2019	64	189	46	6	12/1/2019	-	64	-	3
1/1/2020	98	373	542	77	1/1/2020	79	116	1	7	1/1/2020	-	67	-	з
2/1/2020	101	364	450	77	2/1/2020	65	109	1	7	2/1/2020	-	62	-	з
3/1/2020	98	376	473	77	3/1/2020	67	114	1	7	3/1/2020	-	53	-	3
4/1/2020	88	334	279	77	4/1/2020	64	115	1	7	4/1/2020	-	-	-	3
5/1/2020	88	394	282	77	5/1/2020	64	190	1	7	5/1/2020	-	-	-	з
6/1/2020	59	313	190	76	6/1/2020	63	260	1	7	6/1/2020	-	-	-	з
7/1/2020	107	426	307	76	7/1/2020	54	302	1	7	7/1/2020	-	-	-	-
									Ĺ			-	-	-
8/1/2020	111	371	408	76	8/1/2020	69	159	1	1	8/1/2020	4	-	-	3
9/1/2020	126	458	438	76 76	9/1/2020	62	325	1	7	9/1/2020	-	-	-	3
10/1/2020	58	133	267	76	10/1/2020	56	17	107	1	10/1/2020	-	-	-	3
11/1/2020	126	441	403	76	11/1/2020	64	298	2	7	11/1/2020	-	-	-	3
12/1/2020	121	418	392	76	12/1/2020	66	137	1	7	12/1/2020	-	-	-	3
1/1/2021	70	234	217	76	1/1/2021	134	109	0	8	1/1/2021	-	-	-	3
2/1/2021	37	155	111	76	2/1/2021	87	92	29	8	2/1/2021	-	-	-	3
3/1/2021	8	250	1	76	3/1/2021	153	78	0	8	3/1/2021	-	-	-	з
4/1/2021	63	10	57	75	4/1/2021	244	163	0	8	4/1/2021	5	-	-	3
5/1/2021	78	378	438	75	5/1/2021	282	203	41	8	5/1/2021	5	83	-	3
6/1/2021	83	383	935	75	6/1/2021	87	115	49	R	6/1/2021	4	68	2	-
									Š		4		7	-
7/1/2021	106	387	871	75	7/1/2021	128	99	151	6	7/1/2021		59		3
8/1/2021	97	362	945	75	8/1/2021	138	103	681	8	8/1/2021	4	66	15	3
				22 2:06	1	261	130	510	8	9/1/2021	3	72	7	• 3
10/1/2021	101	401	979	74	10/1/2021	233	177	383	8	10/1/2021	4	76	10	3

Exhibit C – Historical Production from Last 5 Years for Each Pool & Combined Future Forecast, cont.

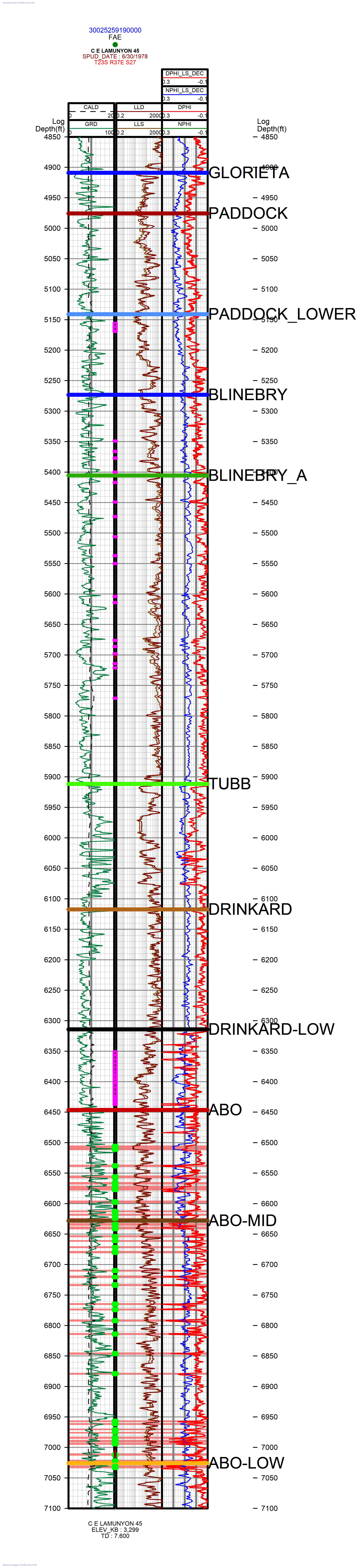
Surrounding Wells Averaged Rates Avg Prod: [58360] Teague; Devonian, North				Synthetic Decline Curve				
Date	Avg Oil (BOPM)	Avg Gas (McfPM)	Avg Water (BWPM)	Well Count	Month	Avg Oil (BOPM)	Avg Gas (McfPM)	Avg Water (BWPM)
5/1/2016	105	607	465	3	1	226.4	1,054.1	879.4
6/1/2016	34	269	225	3	2	225.3	1,052	877
7/1/2016	-	-	-	3	3	224.3	1,049	874
8/1/2016	84	519	327	3	4	223.2	1,046	871
9/1/2016	47	495	240	3	5	222.1	1,044	868
10/1/2016	37	735	480	3	6	221.1	1,041	865
11/1/2016	-	547	304	3	7	220.0	1,038	862
12/1/2016	-	823	332	3	8	219.0	1,036	859
1/1/2017	-	752	408	3	9	217.9	1,033	857
2/1/2017	-	749	425	3	10	216.9	1,031	854
3/1/2017	29	694	480	3	11	215.8	1,028	851
4/1/2017	17	674	455	3	12	214.8	1,026	848
5/1/2017	24	832	476	3	13	213.8	1,023	845
6/1/2017	108	540	313	3	14	212.8	1,020	843
7/1/2017	12	141	80	3	15	211.7	1,018	840
8/1/2017	132	731	344	3	16	210.7	1,015	837
9/1/2017	178	835	436	3	17	209.7	1,013	834
10/1/2017	171	821	465	3	18	208.7	1,010	832
11/1/2017	148	944	446	3	19	207.7	1,008	829
12/1/2017	127	907	397	3	20	206.7	1,005	826
1/1/2018	117	754	361	3	21	205.7	1,003	823
2/1/2018	137	841	429	3	22	204.8	1,000	821
3/1/2018	139	901	458	3	23	203.8	998	818
4/1/2018	96	688	293	3	24	202.8	995	815
5/1/2018	166	992	496	3	25	201.8	993	813
6/1/2018	168	981	482	3	26	200.9	990	810
7/1/2018	135	908	500	3	27	199.9	988	807
8/1/2018	165	930	527	3	28	199.0	985	805
9/1/2018	158	709	478	3	29	198.0	983	802
10/1/2018	56	480	308	3	30	197.1	980	799
11/1/2018	37	496	341	3	31	196.1	978	797
12/1/2018	45	580	452	3	32	195.2	976	794
1/1/2019	17	368	232	3	33	194.2	973	791
2/1/2019	4	459	444	3	34	193.3	971	789
3/1/2019	23	675	509	3	35	192.4	968	786
4/1/2019	3	80	85	3	36	191.5	966	784
5/1/2019	-	-	-	3	37	190.6	963	781
6/1/2019	-	-	-	3	38	189.6	961	779
7/1/2019	-	-	-	3	39	188.7	959	776
8/1/2019	-	-	-	3	40	187.8	956	773
9/1/2019	-	-	-	3	41	186.9	954	771
10/1/2019	-	-	-	3	42	186.0	951	768
11/1/2019	-	-	-	3	43	185.2	949	766
12/1/2019	-	-	-	3	44	184.3	947	763
1/1/2020	-	-	-	3	45	183.4	944	761
2/1/2020	-	-	-	3	46	182.5	942	758
3/1/2020	-	-	-	3	47	181.6	940	756
4/1/2020	-	-	-	3	48	180.8	937	753
5/1/2020	-	-	-	3	49	179.9	935	751
6/1/2020	-	-	-	3	50	179.0	933	748
7/1/2020	-	-	-	3	51	178.2	930	746
8/1/2020	-	-	-	3	52	177.3	928	744
9/1/2020				5	E.2	176 5	076	7/1
9/1/2020 10/1/2020	-	-	-	3	53 54	176.5 175.6	926 923	741 739
10/1/2020	-	-	-	3	54	175.6	923 921	739
11/1/2020		-	-	5	55	174.0	921	750
12/1/2020		-		3	56	174.0	919	734
1/1/2020	-	-	-	3	57	174.0	916	734
2/1/2021				3	58	172.3	914	729
-, 1, 2021	-	-	-	3		1/2.3	514	125
3/1/2021	-	-		3	59	171.5	912	727
4/1/2021	26	-	6	3	60	170.7	910	724
5/1/2021	45	469	27	3				
6/1 /2024			222					
6/1/2021 7/1/2021	53 51	416 407	233 281	3				
//1/2021								

7/1/2021 51 407 281 3 8/1/2021 84 Kappa and to 4 maging 9/12/252 2:06:24 PM

10/1/2021 130 559 799

Exhibit D – Pool Allocations & Post Workover IP Rates

	OIL (bbls)	GAS (Mcf)	WATER (bbls)	POOL
5 yr Cum	5,666	24,037	30,650	
Allocated %	42%	38%	58%	[58300] Teague; Paddock- Blinebry
Daily IP Rate	3.1	13.2	16.8	Billebry
5 yr Cum	5,037	10,297	7,793	
Allocated %	37%	16%	15%	[33600] Imperial; Tubb- Drinkard
Daily IP Rate	2.8	5.6	4.3	Dilikard
5 yr Cum	33	5,106	41	
Allocated %	0%	8%	0%	[96599] Teague Mid; Abo
Daily IP Rate	0.02	2.8	0.0	
5 yr Cum	2,875	23,854	14,344	
Allocated %	21%	38%	27%	[58360] Teague; Devonian, North
Daily IP Rate	1.6	13.1	7.9	North
Daily IP Rate	7.5	34.7	29.0	Commingled (Total)

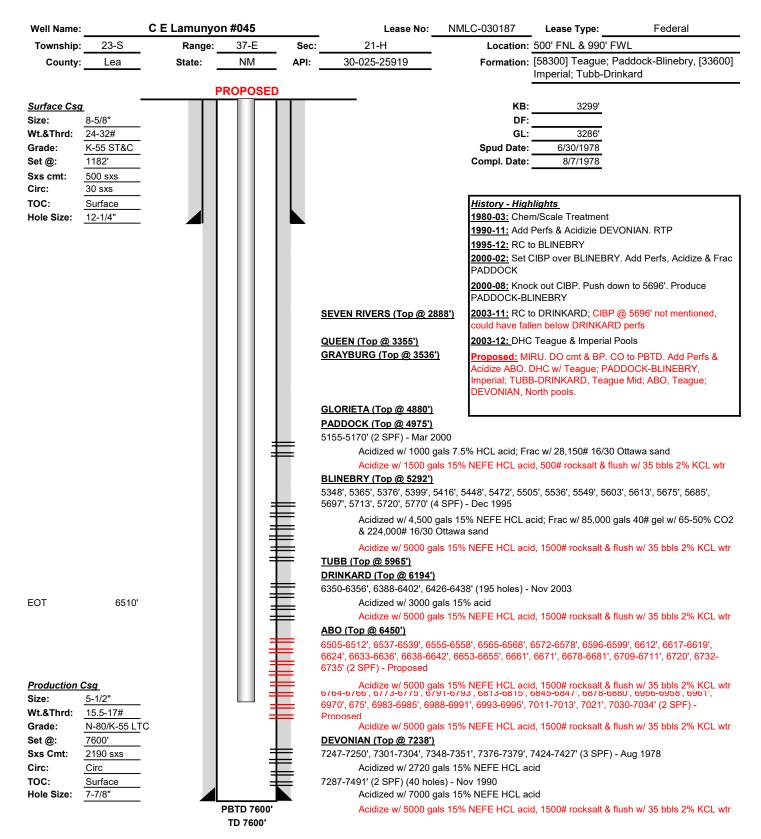


API14	SOURCE	STATUS	ΕΝΛΝΛΝΛΕ		BASE PERF	ΙΝΙΤΕΡ\/ΛΙ
30025259190000		ACTIVE		5155	DAJE PERF 5170	
30025259190000		ACTIVE	BLBR	5348	5350	
30025259190000		ACTIVE	BLBR	5340 5365	5350 5367	
30025259190000		ACTIVE	BLBR	5305 5376	5378	
30025259190000			BLBR	5399 5310	5401 5410	
30025259190000			BLBR	5416 5416	5418 5450	
30025259190000			BLBR	5448	5450	
30025259190000		ACTIVE	BLBR	5472	5474	
30025259190000		ACTIVE	BLBR	5505	5507	
30025259190000	OCD	ACTIVE	BLBR	5536	5538	
30025259190000	OCD	ACTIVE	BLBR	5549	5551	
30025259190000	OCD	ACTIVE	BLBR	5603	5605	
30025259190000	OCD	ACTIVE	BLBR	5613	5615	
30025259190000	OCD	ACTIVE	BLBR	5675	5677	
30025259190000	OCD	ACTIVE	BLBR	5685	5687	
30025259190000	OCD	BRIDGEPLUG	2	5696	5706	
30025259190000	OCD	ACTIVE	BLBR	5697	5699	
30025259190000	OCD	ACTIVE	BLBR	5713	5715	
30025259190000	OCD	ACTIVE	BLBR	5720	5722	
30025259190000	OCD	ACTIVE	BLBR	5770	5772	
30025259190000	OCD	ACTIVE	DKRD	6350	6356	
30025259190000	OCD	ACTIVE	DKRD	6388	6402	
30025259190000	OCD	ACTIVE	DKRD	6426	6438	
30025259190000	CJH	PROPOSED	ABO-UPR	6505	6512	7
30025259190000	CJH	PROPOSED	ABO-UPR	6537	6539	2
30025259190000	CJH	PROPOSED	ABO-UPR	6555	6558	3
30025259190000	CJH	PROPOSED	ABO-UPR	6565	6568	3
30025259190000	CJH	PROPOSED	ABO-UPR	6572	6578	6
30025259190000	CJH	PROPOSED	ABO-UPR	6596	6599	3
30025259190000	CJH	PROPOSED	ABO-UPR	6612	6613	1
30025259190000		PROPOSED	ABO-UPR	6617	6619	2
30025259190000		PROPOSED	ABO-UPR	6624	6625	1
30025259190000		PROPOSED	ABO-MID	6633	6636	3
30025259190000		PROPOSED	ABO-MID		6642	4
30025259190000		PROPOSED	ABO-MID		6655	2
30025259190000		PROPOSED	ABO-MID	6661	6662	ے 1
30025259190000	CJH	PROPOSED	ABO-MID	6671	6672	-
30025259190000	CJH	PROPOSED	ABO-MID	6678	6681	L 2
30025259190000	CJH	PROPOSED	ABO-MID	6709	6711	ა ე
30025259190000	CJH	PROPOSED	ABO-MID			ے 1
30025259190000	CJH	PROPOSED	ABO-MID	6720 6732	6721	L 2
					6735 6766	ີ ເ
30025259190000	CJH CJH	PROPOSED PROPOSED	ABO-MID	6764 6772	6766 6775	2
30025259190000	CILL	PROPOSED	ABO-MID	6773	6775	2
30025259190000		PROPOSED	ABO-MID	6791	6793	2
30025259190000	CIH	PROPOSED	ABO-MID	6813 6845	6815	2
30025259190000		PROPOSED	ABO-MID	6845 6870	6847 6840	2
30025259190000		PROPOSED	ABO-MID	6878 6856	6880 6850	2
30025259190000	CJH	PROPOSED	ABO-MID	6956 6951	6958 6958	2
30025259190000	CJH	PROPOSED	ABO-MID	6961	6962	1
30025259190000	CJH	PROPOSED	ABO-MID	6970	6971	1
30025259190000	CJH	PROPOSED	ABO-MID	6975	6976	1
30025259190000	CJH	PROPOSED	ABO-MID	6983	6985	2
30025259190000	CJH	PROPOSED	ABO-MID	6988	6991	3
30025259190000	CJH	PROPOSED	ABO-MID	6993	6995	2
30025259190000	OCD	BRIDGEPLUG		7005	7015	
30025259190000	CJH	PROPOSED	ABO-MID	7011	7013	2
30025259190000	CJH	PROPOSED	ABO-MID	7021	7022	1
30025259190000	CJH	PROPOSED	ABO-MID	7030	7034	4
30025259190000	OCD	ACTIVE		7247	7250	
30025259190000	OCD	ACTIVE		7301	7304	
30025259190000	OCD	ACTIVE		7348	7351	
30025259190000		ACTIVE		7376	7379	
30025259190000		ACTIVE		7424	7427	
					/	

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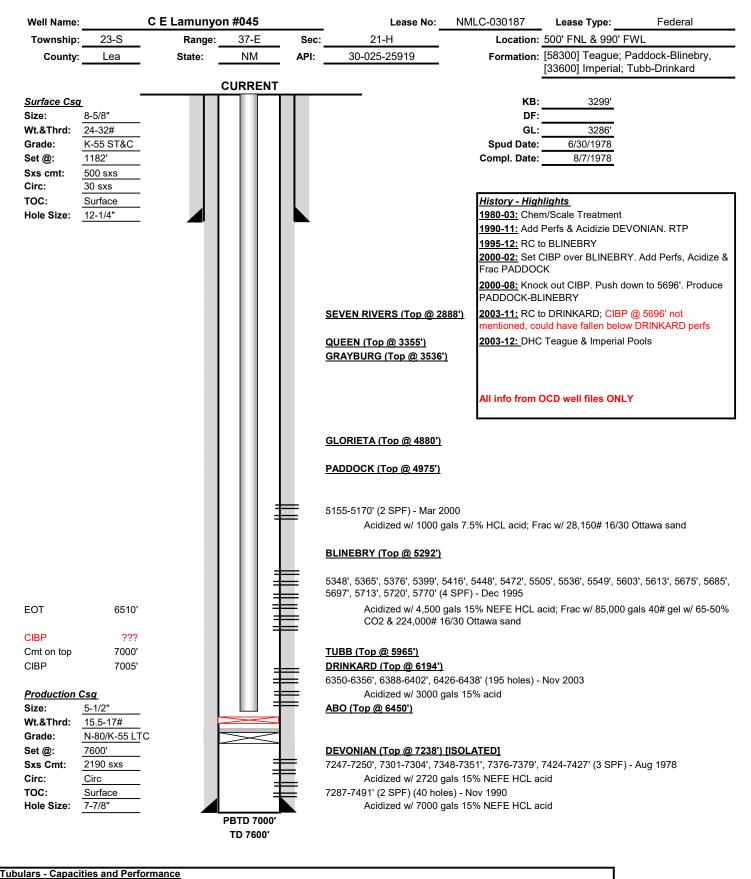
Page 12 of 23

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	2-3/8" Tubing
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2-3/8" Tubing

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

			ool Code		³ Pool Name						
30-	-025-259	19	5	8300		TEAGU	E; PADDOCK-B	LINEBRY			
⁴ Property (Code		•	5	Property Name			⁶ We	⁶ Well Number		
33068	6			CE	LAMUNYON	[i	#045		
⁷ OGRID	No.			8	Operator Name			⁹ F	levation		
32932	6			FAE II C	OPERATING,	LLC		3	3299'		
	¹⁰ Surface Location										
UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County		
D	27	23S	37E		500	Ν	990	W	LEA		
			" 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		
D	27	23S	23S 37E 500 N 990			W	LEA				
¹² Dedicated Acres	¹³ Joint o	or Infill ¹⁴ Consolidation Code ¹⁵ Order 1									
40		Y									

10				17 OPERATOR CERTIFICATION
, C				I hereby certify that the information contained herein is true and complete to
500'				the best of my knowledge and belief, and that this organization either owns a
\frown				working interest or unleased mineral interest in the land including the
990'				proposed bottom hole location or has a right to drill this well at this location
	NW/4 NW/4			pursuant to a contract with an owner of such a mineral or working interest,
	Sec 27 (40 acres)			or to a voluntary pooling agreement or a compulsory pooling order
				heretofore entered by the division.
				02/02/2022
				Signature Date
				VANESSA NEAL
				Printed Name
				vanessa@faenergyus.com
				E-mail Address
				ISURVEYOR CERTIFICATION
				<i>I hereby certify that the well location shown on this plat</i>
				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
		1	1	

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			ool Code	³ Pool Name						
30-	-025-259	19	3	3600		IMPE	RIAL; TUBB-DR	INKARD		
⁴ Property 0	Code			5	Property Name			⁶ We	⁶ Well Number	
33068	6			CE	LAMUNYON			ī	#045	
⁷ OGRID	No.			8	Operator Name			⁹ F	levation	
32932	6			FAE II C	OPERATING,	LLC		3	3299'	
	¹⁰ Surface Location									
UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County	
D	27	23S	37E		500	Ν	990	W	LEA	
			" 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	
D	27	23S	23S 37E 500 N 990			W	LEA			
¹² Dedicated Acres	¹³ Joint o	or Infill ¹⁴ Consolidation Code ¹⁵ Order No.								
40		Y								

10			17 OPERATOR CERTIFICATION
ć			I hereby certify that the information contained herein is true and complete to
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990'			proposed bottom hole location or has a right to drill this well at this location
	NW/4 NW/4		pursuant to a contract with an owner of such a mineral or working interest,
	Sec 27 (40 acres)		or to a voluntary pooling agreement or a compulsory pooling order
			heretofor entered by the division.
			02/02/2022
			Signature Date
			VANESSA NEAL
			Printed Name
			vanessa@faenergyus.com
			E-mail Address
			ISURVEYOR 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

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

		ool Code		³ Pool Name							
	-025-259	19	9	6599			EAGUE MID; A				
⁴ Property 0	Code			5	Property Name			⁶ We	⁶ Well Number		
33068	6			CE	LAMUNYON			-	#045		
⁷ OGRID	No.			8	Operator Name			⁹ F	levation		
32932	6			FAE II C	OPERATING,	LLC		3	3299'		
	¹⁰ Surface Location										
UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County		
D	27	23S	37E		500	Ν	990	W	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		
D	27	23S	23S 37E 500 N 990 W			W	LEA				
¹² Dedicated Acres	¹³ Joint o	or Infill ¹⁴ Consolidation Code ¹⁵ Order									
40		Y									

10				¹⁷ OPERATOR CERTIFICATION
, 0				I hereby certify that the information contained herein is true and complete to
500'				the best of my knowledge and belief, and that this organization either owns a
\frown				working interest or unleased mineral interest in the land including the
990'				proposed bottom hole location or has a right to drill this well at this location
	NW/4 NW/4			pursuant to a contract with an owner of such a mineral or working interest,
	Sec 27 (40 acres)			or to a voluntary pooling agreement or a compulsory pooling order
	, , ,			heretoforgentered by the division.
				02/02/2022
				Signature Date
				VANESSA NEAL
				Printed Name
				vanessa@faenergyus.com
				E-mail Address
				ISURVEYOR CERTIFICATION
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				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.
				D :
				Date of Survey
				Signature and Seal of Professional Surveyor:
				Contificate Number
				Certificate Number

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pc	ool Code	³ Pool Name							
30-	-025-259	19	5	8360		TEAG	JE; DEVONIAN	, NORTH			
⁴ Property 0	Code			5	Property Name			⁶ We	⁶ Well Number		
33068	6			CE	LAMUNYON			-	#045		
⁷ OGRID	No.			8	Operator Name			⁹ F	levation		
32932	6			FAE II (OPERATING,	LLC		3	3299'		
	¹⁰ Surface Location										
UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County		
D	27	23S	37E		500	Ν	990	W	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		
D	27	23S	37E		500	Ν	990	W	LEA		
¹² Dedicated Acres	¹³ Joint o	or Infill ¹⁴ Consolidation Code ¹⁵ Orde									
40		Y									
1											

10			¹⁷ OPERATOR CERTIFICATION
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	NW/4 NW/4		pursuant to a contract with an owner of such a mineral or working interest,
	Sec 27 (40 acres)		or to a voluntary pooling agreement or a compulsory pooling order
			heretofor entered by the division.
			02/02/2022
			Signature Date
			Signature IN Date
			VANESSA NEAL
			Printed Name
			vanessa@faenergyus.com
			E-mail Address
			ISURVEYOR CERTIFICATION
			<i>I hereby certify that the well location shown on this plat</i>
			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 27 / NWNW / 32.28122 / -103.1561	County or Parish/State: LEA / NM
Well Number: 45	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC030187	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002525919	Well Status: Producing Oil Well	Operator: FAE II OPERATING LLC

Notice of Intent

Sundry ID: 2656247

Type of Submission: Notice of Intent

Date Sundry Submitted: 02/08/2022

Date proposed operation will begin: 03/07/2022

Type of Action: Commingling (Subsurface) Time Sundry Submitted: 04:33

Procedure Description: FAE II intends to submit application with the New Mexico Oil Conservation Division for approval of this downhole commingle project. Proposed: MIRU. DO cmt & BP. CO to PBTD. Add Perfs in ABO 6505-7034'. Acidize PADDOCK w/ 1500 gals 15% NEFE HCL acid, 500# rocksalt & flush w/ 35 bbls 2% KCL wtr. Acidize BLINEBRY w/ 5000 gals 15% NEFE HCL acid, 1500# rocksalt & flush w/ 35 bbls 2% KCL wtr. Acidize DRINKARD w/ 5000 gals 15% NEFE HCL acid, 1500# rocksalt & flush w/ 35 bbls 2% KCL wtr. Acidize DRINKARD w/ 5000 gals 15% NEFE HCL acid, 1500# rocksalt & flush w/ 35 bbls 2% KCL wtr. Acidize ABO 6505-6735' w/ 5000 gals 15% NEFE HCL acid, 1500# rocksalt & flush w/ 35 bbls 2% KCL wtr. Acidize ABO 6764-7034' w/ 5000 gals 15% NEFE HCL acid, 1500# rocksalt & flush w/ 35 bbls 2% KCL wtr. Acidize DEVONIAN w/ 5000 gals 15% NEFE HCL acid, 1500# rocksalt & flush w/ 35 bbls 2% KCL wtr. Acidize DEVONIAN w/ 5000 gals 15% NEFE HCL acid, 1500# rocksalt & flush w/ 35 bbls 2% KCL wtr. Acidize DEVONIAN w/ 5000 gals 15% NEFE HCL acid, 1500# rocksalt & flush w/ 35 bbls 2% KCL wtr. Acidize DEVONIAN w/ 5000 gals 15% NEFE HCL acid, 1500# rocksalt & flush w/ 35 bbls 2% KCL wtr. Acidize DEVONIAN w/ 5000 gals 15% NEFE HCL acid, 1500# rocksalt & flush w/ 35 bbls 2% KCL wtr. Acidize DEVONIAN w/ 5000 gals 15% NEFE HCL acid, 1500# rocksalt & flush w/ 35 bbls 2% KCL wtr. Acidize DEVONIAN w/ 5000 gals 15% NEFE HCL acid, 1500# rocksalt & flush w/ 35 bbls 2% KCL wtr. Acidize DEVONIAN w/ 5000 gals 15% NEFE HCL acid, 1500# rocksalt & flush w/ 35 bbls 2% KCL wtr. Acidize DEVONIAN w/ 5000 gals 15% NEFE HCL acid, 1500# rocksalt & flush w/ 35 bbls 2% KCL wtr. Acidize DEVONIAN w/ 5000 gals 15% NEFE HCL acid, 1500# rocksalt & flush w/ 35 bbls 2% KCL wtr. DHC w/ Teague; PADDOCK-BLINEBRY, Imperial; TUBB-DRINKARD, Teague Mid; ABO, Teague; DEVONIAN, North pools.

NOI Attachments

Procedure Description

C_107a_Pkg_DHC_4_ZONES_C_E_Lamunyon_45_2022_02_08_20220208163249.pdf

Received by OCD: 9/12/2022 2:03:42 PM Well Name: CE LA MUNYON	Well Location: T23S / R37E / SEC 27 / NWNW / 32.28122 / -103.1561	County or Parish/State: LEA / NM
Well Number: 45	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC030187	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002525919	Well Status: Producing Oil Well	Operator: FAE II OPERATING LLC

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 04:33 PM

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:

Zip:

From:	Engineer, OCD, EMNRD
То:	Vanessa Neal
Cc:	McClure, Dean, EMNRD
Subject:	downhole commingling application DHC-5188
Date:	Monday, September 12, 2022 1:59:54 PM

Downhole commingling application DHC-5188 which involves the commingling of pools within the well bore of the C E Lamunyon #45 (30-025-25919) and is operated by FAE II Operating, LLC (329326) has been withdrawn at the applicant's request.

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

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

District IV 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

COMMENTS

Operator:	OGRID:
FAE II Operating LLC	329326
11757 Katy Freeway, Suite 725	Action Number:
Houston, TX 77079	142476
	Action Type:
	[IM-SD] Admin Order Support Doc (ENG) (IM-AAO)
	-

COMMENTS

COMMENTS			
Created By	Comment	Comment Date	
dmcclure	Attached is the withdrawn application its associated documents	9/12/2022	

COMMENTS

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Action 142476

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CONDITIONS

OGRID:
329326
Action Number:
142476
Action Type:
[IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Application DHC-5188 (Action ID: 79903) has been withdrawn at the applicant's request.	9/12/2022

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