

**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

Form C-101  
Revised July 18, 2013

## Energy Minerals and Natural Resources

## Oil Conservation Division

☐ AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

## APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

<sup>1</sup> Operator Name and Address FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079		<sup>2</sup> OGRID Number 329326
		<sup>3</sup> API Number 30-025-28509
<sup>4</sup> Property Code 331159	<sup>5</sup> Property Name STATE A A/C 3	<sup>6</sup> Well No. #010

<sup>7</sup> Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
G	10	23S	36E		1345	N	1480	E	LEA

<sup>8</sup> Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
G	10	23S	36E		1345	N	1480	E	LEA

<sup>9</sup> Pool Information

Pool Name LANGLIE MATTIX; 7 RVRS-Q-GRAYBURG	Pool Code 37240
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## Additional Well Information

<sup>11</sup> Work Type E	<sup>12</sup> Well Type I	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type S	<sup>15</sup> Ground Level Elevation 3650'
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 3850'	<sup>18</sup> Formation QUEEN/GRAYBURG	<sup>19</sup> Contractor TBD	<sup>20</sup> Spud Date 5/9/2022
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

WF Order: R-21956

<sup>21</sup> Proposed Casing and Cement Program

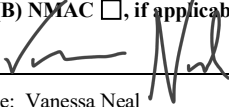
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	12.25"	8.625"	24#	457'	275 sxs	Surface
Production	7.875"	5.5"	14#	3800'	850 sxs	2750'

## Casing/Cement Program: Additional Comments

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<sup>22</sup> Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3,000#	3,000#	Unknown

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. <b>I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable.</b> Signature:  Printed name: Vanessa Neal Title: Sr Reservoir Engineer E-mail Address: <a href="mailto:vanessa@faenergyus.com">vanessa@faenergyus.com</a> Date: 07 AUG 2023	OIL CONSERVATION DIVISION	
	Approved By:	
	Title:	
	Approved Date:	Expiration Date:
	Conditions of Approval Attached	

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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>1</sup> API Number 30-025-28509	<sup>2</sup> Pool Code 37240	<sup>3</sup> Pool Name LANGLIE MATTIX; 7 RVRs-QUEEN-GRAYBURG
<sup>4</sup> Property Code 331159	<sup>5</sup> Property Name STATE A A/C 3	<sup>6</sup> Well Number #010
<sup>7</sup> OGRID No. 329326	<sup>8</sup> Operator Name FAE II OPERATING, LLC	<sup>9</sup> Elevation 3650'

<sup>10</sup> Surface Location

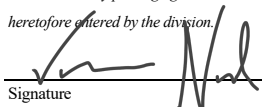
UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
G	10	23S	36E		1345	N	1480	E	LEA

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill Y	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. <b>R-21956</b>
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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			1345'		1480'	<b><sup>17</sup> OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  Signature _____ Date 07 AUG 2023 Vanessa Neal Printed Name _____ vanessa@faenergyus.com E-mail Address _____
		SW/4 NE/4 Sec 10 (40 acres)				
						<b><sup>18</sup> SURVEYOR CERTIFICATION</b> <i>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.</i> Date of Survey _____ Signature and Seal of Professional Surveyor: _____ Certificate Number _____

<b>WELLBORE DIAGRAM</b> <b>STATE A A/C 3 #010</b>				Date: 5/10/2022 OGRID#: 329326 API#: 30-025-28509	
County: <u>Lea</u> State: <u>NM</u> Field: <u></u>					
Surf Location: <u>23S-36E-03O</u>		GL Elev: <u>3452'</u>		RKB: <u></u>	
Wellhead: <u></u>		TVD: <u></u>		PBD: <u>3787</u> TD: <u>3850</u>	
Original Spud Date: <u>3/1/1984</u>		Completed Pool: <u>[37240] Langlie Mattix; 7 Rvrs-Q-Grayburg</u>			

Description	Qty	Length	Depth
KB	0		0
Wellhead	0		0
2 3/8" IPC Tbg	110	3,546.00	3,546
Arrow Set 1X Packer	1	6.00	3,552

Pump Details:		Run Date:	
Description	Size	Qty	Length
N/A			

Formation Tops					
YATES	2977'	SAN ANDRES			
7 RIVERS	3164'	GLORIETA			
QUEEN	3518'	BLINBRY			
GRAYBUR		TUBB			

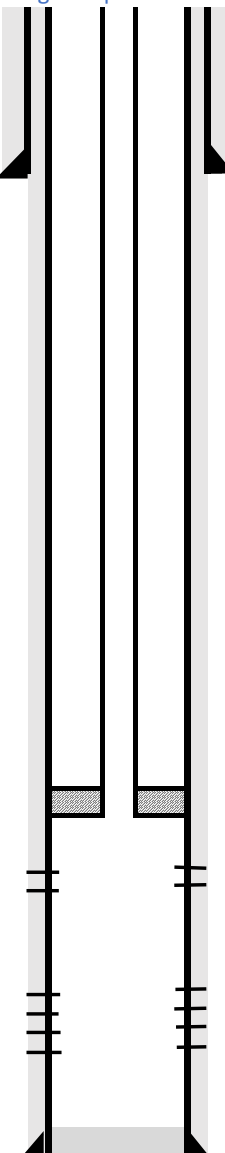
Completion Details
2/6/1984: perf 3655-3710, acidize w/ 5000 gal 15%
Proposed: DO cmt & BP to 3787. Perf QUEEN. Acidize 3655'-3710' w/ 2000 gal 15% NE FE & 300# rock salt. Flush w/ 40 bbl wtr. Acidiz 3578'-3618' w/ 4000 gal 15% NE FE & 300# rock salt. Flush w/ 1000 bbls wtr.

Pumping Unit

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="display: flex; align-items: center;"> <div style="font-weight: bold; font-size: 1.2em;">forty acres</div> <div style="color: green; font-weight: bold; font-size: 1.2em;">energy</div> </div> <div style="text-align: center;"> <h2 style="margin: 0;">WELLBORE DIAGRAM</h2> <p style="margin: 0;">Well Name: STATE A A/C 3 #010</p> </div> <div style="text-align: right;"> <p>Date: 5/10/2022</p> <p>OGRID# 329326</p> </div> </div>							
County	Lea	State	NM	Field		API#	30-025-28509
Surf Location:	23S-36E-03O		GL Elev:		3452'	RKB	
Wellhead			TVD:			PBTD:	3787 TD: 3850
Original Spud Date:	3/1/1984	Completed Pool:	[37240] Langlie Mattix; 7 Rvrs-Q-Grayburg				



Set Depth	Csg Details	Hole Size	Tubing Details:	Run Date:	1/10/1997
Surface			<u>Description</u>	<u>Qty</u>	<u>Length</u> <u>Depth</u>
457'	8 5/8" 24#	12.25 inch	KB	0	0
	275 sx, circ		Wellhead	0	0
			2 3/8" IPC Tbg	110	3,546.00 3,546
			Arrow Set 1X Packer	1	6.00 3,552

Pump Details:		Run Date:	
Description	Size	Qty Length	Depth
<u>Pump Description</u>			
N/A			
<u>Formation Tops</u>			
YATES	2977'	SAN ANDRES	
7 RIVERS	3164'	GLORIETA	
QUEEN	3518'	BLINBRY	
GRAYBUR		TUBB	
<u>Completion Details</u>			
2/6/1984: perf 3655-3710, acidize w/ 5000 gal 15%			
5/18/2022: DO cmt & BP to 3787. Perf QUEEN. Acidized 3655'-3710' w/ 2000 gal 15% NE FE & 300# rock salt. Flushed w/ 40 bbl wtr. Acidized 3578'-3618' w/ 4000 gal 15% NE FE & 300# rock salt. Flushed w/ 1000 bbls wtr.			
<u>Pumping Unit</u>			

**PERFORATIONS:**

Queen: 3578-3618' (2 SPF)- May 2022

Queen: 3655-3710'

**PKR & EOT @ 3552'**

Prod	Hole Size
3800' 5 1/2" 14#	7.88 inch
850 sx, TOC 2750'	

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 248711

CONDITIONS

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 248711
	Action Type: [C-101] Drilling Non-Federal/Indian (APD)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	2/1/2025