

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

¹ Operator Name and Address FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079		² OGRID Number 329326
		³ API Number 30-025-28510
⁴ Property Code 331159	⁵ Property Name STATE A A/C 3	⁶ Well No. #011

⁷ 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	2615	E	LEA

⁸ 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	2615	E	LEA

⁹ Pool Information

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

¹¹ Work Type E	¹² Well Type I	¹³ Cable/Rotary R	¹⁴ Lease Type S	¹⁵ Ground Level Elevation 3464'
¹⁶ Multiple NO	¹⁷ Proposed Depth 3850'	¹⁸ Formation QUEEN/GRAYBURG	¹⁹ Contractor TBD	²⁰ 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

²¹ Proposed Casing and Cement Program

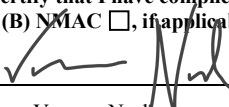
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	12.25"	8.625"	24#	457'	275 sxs	Surface
Production	7.875"	5.5"	14#	3800'	850 sxs	2750'

Casing/Cement Program: Additional Comments

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²² Proposed Blowout Prevention Program

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

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. 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. Signature:  Printed name: Vanessa Neal Title: Sr Reservoir Engineer E-mail Address: vanessa@faenergyus.com 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

¹ API Number 30-025-28510	² Pool Code 37240	³ Pool Name LANGLIE MATTIX; 7 RVRs-QUEEN-GRAYBURG
⁴ Property Code 331159	⁵ Property Name STATE A A/C 3	⁶ Well Number #011
⁷ OGRID No. 329326	⁸ Operator Name FAE II OPERATING, LLC	⁹ Elevation 3464'

¹⁰ 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	2615	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

¹² Dedicated Acres 40	¹³ Joint or Infill Y	¹⁴ Consolidation Code	¹⁵ Order No. R-21956
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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 	¹⁷ OPERATOR CERTIFICATION <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> 07 AUG 2023 Signature Date Vanessa Neal Printed Name vanessa@faenergyus.com E-mail Address

State A A/C-3 #11 (Current)
Pool: Langlie Mattix-7RVRS-Queen-Grayburg
SU-T-R: 10G-23S-36E
1345'FNL; 2615' FEL
Lea, NM
API: 30-025-28510



BLACKBEARD
OPERATING

K.B. Elev. 3,477'
Ground Level 3,465'

Spud Date: 4/1984

Surface Casing

Hole Size: 12-1/4"

8-5/8", 24# K-55 @ 445' w/ 275 sx Class C cmt. 50Sx cement to surface, TOC @ surface

Well History:

Initial Completion (5/1/1984):

Drilled as injector and completed in 2 stages.

Casing tests passed: 10/1992, 10/1997

3/13/2003: Failed MIT

6/20/2003 TA:

Set CIBP @ 3575' MD, casing tested, 60psi leakoff over 30min. Interpreted as a good test.

Casing tests failed: 3/2008,
 Casing tests passed: 4/2008, 6/2013

5/2019 MIT test (Blackbeard Personnel)

Test barely passed. Leak-off is evident and each test requires a decent casing volume to be filled back up. Well is OOC per OCD due to idle well requirements.

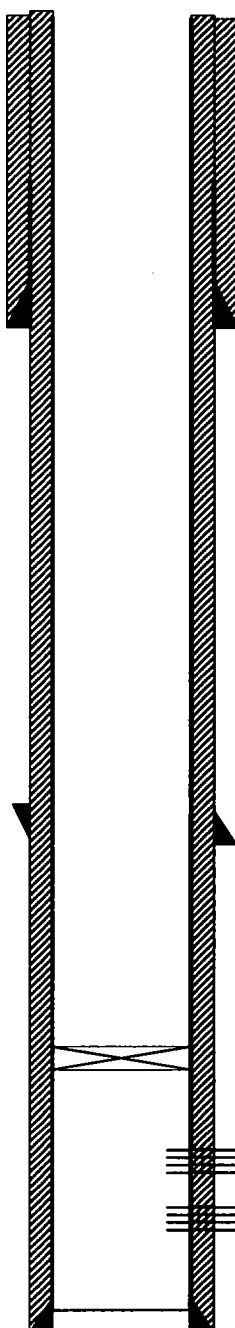
2019_10: Pending PA

Production Casing

Hole Size: 7-7/8"

5-1/2", 15.5ppf J-55 LTC 0' - 165' MD
 5-1/2", 15.5ppf J-55 STC 165' - 2350' MD
 5-1/2", 14.0ppf J-55 STC 2350' - 3800' MD

1st stage: 250 Sx Class C 50-50 Poz,
 2nd stage Lead: 950 Sx Lite
 2nd Stage Tail: 100 Sx Class C
 150Sx to surface, TOC @ Surface.



DV Tool @ 2767' w/1050 SX,
 Circulated 150 Sx to Surface.

CIBP Set at 3575' WLM.

Queen Completion:

Perfs: 3642' - 3728' (1 SPF, 44 holes)
 Acidized w/4500gal 15% NEFE HCl.

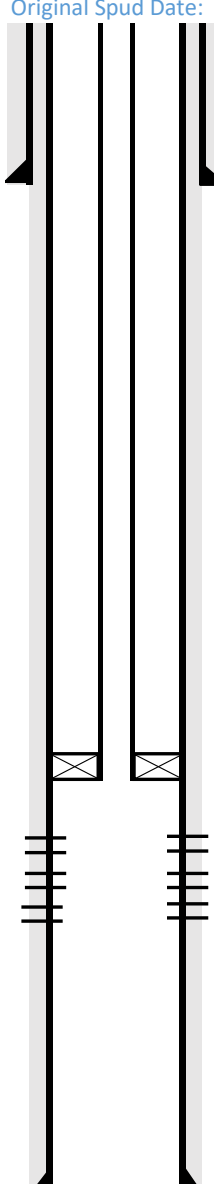
Perfs: 3742' - 3754' (1 SPF, 13 holes)
 Acidized w/1000gal 15% NEFE HCl

TD - 3,800'
PBTD - 3,755'

Est. tops per files
 Rustler = 1215'
 Tansill = 2894'
 Yates = 3050'
 7 Rivers = 3236'
 Queen = 3622'

Last Dated: 10/22/2019
 Author: P. Tinar

<div style="display: flex; align-items: center;"> <div style="font-size: 2em; font-weight: bold; margin-right: 10px;">faeII</div> <div> WELLBORE DIAGRAM State A A/C 3 #11 </div> </div>		Date: 11/5/2021
Well Name: _____	OGRID# _____	
County _____ Lea _____ State _____ NM _____ Field _____	API# 30-025-28510	
Surf Location _____ SEC G10 T23S R36E	GL Elev: 3465'	
Wellhead _____	RKB: _____	
TVD: _____	PBDT: 3575 TD: 3800	
Original Spud Date: 5/1/1984	Completed Pool: _____	



<u>Set Depth</u>	<u>Csg Details</u>	<u>Hole Size</u>
Surface		
445'	8 5/8" 24#	12.25 inch
	275 sx, circ to surface	

PROPOSED

<u>PERFORATIONS:</u>
3575-3705': Queen

<u>Prod</u>		
3800'	5.5" 14#	7.88 inch
	1300 sx, circ to surface	

PBDT = 3575

<u>Surface Casing</u>	
Hole Size:	12 1/4"
Casing Size:	8 5/8"
Depth Set:	445'
Top of Cement:	surface
Cement with:	275 sx
Method Determined:	circulated

<u>Production Casing</u>	
Hole Size:	7 7/8"
Casing Size:	5 1/2"
Depth Set:	3800'
Top of Cement:	surface
Cement with:	1300 sx
Method Determined:	circulated

<u>Proposed Injection Interval</u>
Queen Inj Zone
3575' to 3705'
Zone will be perforated

<u>Tubing</u>	
Tubing Size:	2 3/8"
Lining Material:	IPC
Type of Packer:	AS1X
Packer Depth Set:	3540'

History

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
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Santa Fe, NM 87505

CONDITIONS

Action 248729

CONDITIONS

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 248729
	Action Type: [C-101] Drilling Non-Federal/Indian (APD)

CONDITIONS

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