<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

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District II

811 S. First St., Artesia, NM 88210

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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** 1220 South St. Francis Dr.

☐AMENDED REPORT

**Santa Fe, NM 87505** 

			1. Operator Na	me and Address		DEI	21 121 19 1		<sup>2.</sup> OGRID Nu	D A ZONE mber	
		1	FAE II Op 1757 Katy Fre	erating LLC eeway, Suite 725				329326 <sup>3.</sup> API Number			
4. Dagara	rty Code			TX 77079	<sup>5</sup> . Property Name			30-025-25742 6 Well No.			
	876			l	_ANEHART 22					#001	
				<sup>7.</sup> Su	rface Location						
UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/	'S Line	Feet From	E/W Line	County	
D	22	25S	37E		660		N	660	W	LEA	
III I	G .:	T 1:	T p	1	d Bottom Hole l			F (F	EWIT:		
UL - Lot	Section 22	Township 25S	Range 37E	Lot Idn	Feet from 660	N/	'S Line N	Feet From 660	E/W Line W	County	
D	22	255	3/E	9 <b>D</b> o			IN	000	VV	LEA	
					ol Information					Pool Code	
		JALMAT	Γ; TAN-YATE		IGLIE MATTIX; 7	'RVR	s-Q-GRAY	BURG		33820 // 37240	
				Additiona	al Well Informa	tion					
11. Worl			12. Well Type	:	13. Cable/Rotary	13. Cable/Rotary 14. Lease Type 15. C				Ground Level Elevation	
16. Mu			O  17. Proposed De	nth	K  18. Formation	R P ormation P				3079' 20. Spud Date	
YI	-		3600'		ES/7RVRs/QUE				3/7/2021		
Depth to Grou	nd water		D	istance from nearest	fresh water well			Distance	to nearest surfac	ce water	
Туре	Hole	e Size	Casing Size	1. Proposed Cas Casing W	sing and Cement eight/ft		gram g Depth	Sacks of 0	Cement	Estimated TOC	
Surface	12	.25"	8.625"	24;	ц	_					
Production	7 (				<del>F</del>	98	80'	550 9	SXS	Surface	
	1.0	375"	4.500"	9.5			80' 655'	550 s		Surface Surface	
	7.0	375"				36	355'				
	1.0	375"	Cas	ing/Cement Pro	# ogram: Addition	36	omments				
		375"	Cas	ing/Cement Pro	# ogram: Addition wout Prevention	36	omments gram	1315	sxs	Surface	
	Туре		Cas	ing/Cement Pro  Proposed Blo  Working Pressur	# ogram: Addition wout Prevention	36	omments gram Test Press	1315	sxs	Surface  Manufacturer	
			Cas	ing/Cement Pro	# ogram: Addition wout Prevention	36	omments gram	1315	sxs	Surface	
Do	Type  ouble R  tify that the	am e information	Cas	ing/Cement Pro  Proposed Blo  Working Pressur  3,000#	# ogram: Addition wout Prevention e to the best	36	omments  gram  Test Press 3,000	1315	sxs	Surface  Manufacturer Unknown	
Do  3. I hereby cer of my knowled further cert 19.15.14.9 (B)	Type  Duble R  tify that the lige and belify that I is	am e information ief. have complete	Cas	ing/Cement Pro  2 Proposed Blo  Working Pressur  3,000#	# ogram: Addition wout Prevention e to the best and/or	36	omments  gram  Test Press 3,000	1315	sxs	Surface  Manufacturer Unknown	
Do  3. I hereby cer of my knowled further cert 9.15.14.9 (B) Signature:	Type  Duble R  tify that the lige and belify that I is	e information ief. lave complight, if applied.	Cas	ing/Cement Pro  Proposed Blo  Working Pressur  3,000#	# ogram: Addition wout Prevention e to the best and/or	36 nal Co	omments  gram  Test Press 3,000	1315	sxs	Surface  Manufacturer Unknown	
Do  3. I hereby cer of my knowled further cert 19.15.14.9 (B) Signature: Printed name:	Type puble R tify that the lift that I h	am e information ief. have complete, if applie	Cas	ing/Cement Pro  Proposed Blo  Working Pressur  3,000#	#  ogram: Addition  wout Prevention  e  to the best  and/or  Appro  Title:	36 nal Co	gram Test Press 3,000; OIL C	1315	sxs	Surface  Manufacturer  Unknown  SSION	
Do  3. I hereby cer of my knowled further cert 19.15.14.9 (B) Signature: Printed name:	Type Duble R  tify that the lige and belefy that I he NMAC [  Vanessa servoir Eng	am e information ief. nave compliant, if applie	on given above i lied with 19.15.	ing/Cement Pro  Proposed Blo  Working Pressur  3,000#	#  ogram: Addition  wout Prevention  e  to the best  and/or  Appro  Title:	36 nal Co	gram Test Press 3,000; OIL C	1315	SXS	Surface  Manufacturer  Unknown  SSION	

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<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

WEI	I.	LC	CA	TI	ON	JΑ	ND	Α	CF	$\mathbf{RE}_{i}$	A(	ìΕ	D	ED	10	ľA	TI	$\mathbf{O}$	N	ΡI	A'	Т

1,	API Numbe	r	2 Pc	ool Code		<sup>3</sup> Pool Name				
30-	-025-257	42	3	3820		JALMAT; TANSILL-YATES-7 RVRs (OIL)				
<sup>4</sup> Property (	Code		<sup>5</sup> Property Name <sup>6</sup> Well Numbe							
32687	6		LANEHART 22 #00							
<sup>7</sup> OGRID	No.			8	Operator Name			9 E	Clevation	
32932	6			FAE II (	OPERATING,	LLC		3	3079'	
<sup>10</sup> Surface Location										
UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County	
D	22	25S	37E		660	N	660	W	LEA	
			п 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	
12 Dedicated Acres	13 Joint o	r Infill 14	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			<sup>17</sup> OPERATOR CERTIFICATION
			I hereby certify that the information contained herein is true and complete to
.099			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
((0) O			proposed bottom hole location or has a right to drill this well at this location
660,	NINT/A NINT/A		pursuant to a contract with an owner of such a mineral or working interest,
	NW/4 NW/4		or to a voluntary pooling agreement or a compulsory pooling order
	Sec 22 (40 acres)		heretoforg entered by the division
			06/15/2023
			Signature Date
			Signature
			VANESSA NEAL
			Printed Name
			vanessa@faenergyus.com
			E-mail Address
			<sup>18</sup> 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:
			Signature and Sear of Professional Surveyor:
			Certificate Number

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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 A	PI Numbe	er	<sup>2</sup> Pool Code <sup>3</sup> Pool Name							
30-	025-257	42	3	7240	LANGLIE MATTIX; 7 RVRs-QUEEN-GRAYBURG				RG	
<sup>4</sup> Property C	ode		•	5	Property Name			<sup>6</sup> We	ll Number	
326876	5			LA	NEHART 22			7	#001	
<sup>7</sup> OGRID N	lo.			8 (	Operator Name			9 F	llevation	
329326	5		FAE II OPERATING, LLC 3079'						3079'	
<sup>10</sup> Surface Location										
UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County	
D	22	25S	37E		660	N	660	W	LEA	
			11 Bottom	Hole Locati	on If Differe	ent From Sur	face			
UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County	
12 Dedicated Acres	13 Joint o	r Infill 14	<b>Consolidation Code</b>	15 Order No.				-	-	
40	7	Y			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.

10			17 OPERATOR CERTIFICATION
			I hereby certify that the information contained herein is true and complete to
.099			the best of my knowledge and belief, and that this organization either owns a
9			working interest or unleased mineral interest in the land including the
<b>└</b>			proposed bottom hole location or has a right to drill this well at this location
660',			pursuant to a contract with an owner of such a mineral or working interest,
	NW/4 NW/4		or to a voluntary pooling agreement or a compulsory pooling order
	Sec 22 (40 acres)		heretoforgentered by the division.
			06/15/2023
			VV
			Signature Date
			VANESSA NEAL
			Printed Name
			vanessa@faenergyus.com
			E-mail Address
			18SURVEYOR 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
			Columeate (vuint)Cl

State of New Mexico Energy, Minerals and Natural Resources Department

Submit Electronically Via E-permitting

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

## NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

# Section 1 – Plan Description Effective May 25, 2021

I. Operator:	FAE II Opera	ting, LLC	OGRID:	329326	Date:	06/15	5/2023
II. Type: ☐ Original [	☐ Amendment	due to □ 19.15.27	7.9.D(6)(a) NMA	C □ 19.15.27.9.D(	6)(b) NMAC ⊠	Other.	
If Other, please describe	e: <u>DO BP &amp;</u>	& DHC Jalmat & I	Langlie Mattix po	ols in Lanehart 22 a	#001		
<b>III. Well(s):</b> Provide the be recompleted from a second					vells proposed to	be dril	led or proposed to
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Pı	Anticipated roduced Water BBL/D
LANEHART 22 #001	30-025-25742	D-22-25S-37E	660' FNL & 660' FWL	1	27		16
V. Anticipated Schedu proposed to be recompl	lle: Provide the	following informagle well pad or con	nnected to a centr	v or recompleted war delivery point.		propos	sed to be drilled or
Well Name	API	Spud Date	TD Reached Date	Completion Commencement			First Production Date
LANEHART 22 #001	30-025-25742	3/7/2021	3/7/2021	3/7/2021	3/11/20	021	3/12/2021
VI. Separation Equipment:   Attach a complete description of how Operator will size separation equipment to optimize gas capture.  VII. Operational Practices:   Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.							
VIII. Best Manageme		-	ete description of	f Operator's best m	nanagement prac	tices to	minimize venting

# Section 2 – Enhanced Plan EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☑ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

#### IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

#### X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. $\square$ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the
production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of
the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system	will $\square$ will not have capacity to gather 100% of the anticipated natural gas
production volume from the well prior to the date of first p	oroduction.

XIII. Line Pressure. Operator $\square$ does $\square$ does not anticipate that its existing well(s) connected to the same segment, or portion, of the
natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

A tto ala	Omanatan	, a mlam	to manage			to the incur	ased line pre	
Attach (	Operator	's pian	to manage	e production	in response	to the incre	ased line pre	ssure

XIV. Con	ifidentiality: $\square$	Operator a	asserts confide	ntiality pu	ırsuant to	Section	71-2-8 N	MSA	1978 fo	r the	information	provided	in
Section 2	as provided in Pa	aragraph (2)	of Subsection	D of 19.1	5.27.9 NN	MAC, and	d attaches	s a full	descript	ion o	f the specific	e informati	ion
for which	confidentiality is	s asserted ar	nd the basis for	r such asse	ertion.								

# Section 3 - Certifications Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:
⊠ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or
Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. If Operator checks this box, Operator will select one of the following:
Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection
D of 19.15.27.9 NMAC; or
Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:  (a) power generation on lease; (b) power generation for grid; (c) compression on lease; (d) liquids removal on lease; (e) reinjection for underground storage; (f) reinjection for temporary storage; (g) reinjection for enhanced oil recovery; (h) fuel cell production; and (i) other alternative beneficial uses approved by the division.

# **Section 4 - Notices**

- 1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:
- (a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or
- (b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.
- 2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:
Printed Name: Vanessa Neal
Title: Sr Reservoir Engineer
E-mail Address: vanessa@faenergyus.com
Date: 15 JUN 2023
Phone:
OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

# FAE II Operating, LLC ("FAE") Natural Gas Management Plan

#### VI. Separation Equipment

- Separation equipment is sized to allow for retention time and velocity to adequately separate oil, gas, and water at anticipated peak rates.
- Valves and meters are designed to service without flow interruption or venting of gas.
- Gas from treater and wellhead will be tied into the sales line.

## **VII. Operational Practices**

#### 19.15.27.8 (A)

FAE's field operations are designed with the goal of minimizing venting of natural gas. Wellhead and existing production equipment are tied into the gas sales line.

#### 19.15.27.8 (B) Venting and Flaring during drilling operations

- Venting will only occur if there is an equipment malfunction and/or to avoid risk of an immediate and substantial adverse impact on safety, public health, or the environment.
- Daily vented volumes during drilling operations will be estimated on the daily report.
- All equipment will be available to process wellhead production upon completion of the well.

#### 19.15.27.8 (C) Venting and Flaring during completions or recompletions operations.

- During all phases of flowback, wells will flow through a sand separator, or other appropriate
  flowback separation equipment, and the well stream will be directed to a central tank battery (CTB)
  through properly sized flowlines.
- The CTB will have properly sized separation equipment for maximum anticipated flowrates.
- All gas from wellhead and treater will be routed to a sales outlet. Fluids will be routed to tanks;
   vented gas volumes from oil tanks will be estimated based on annual GOR since expected production from well is <60 MCFPD.</li>

#### 19.15.27.8 (D) Venting and Flaring during production operations.

- During production, the well stream will be routed to the CTB where multiple stages of separation will separate gas from liquids. All gas from wellhead and treater will be routed to a sales outlet. Fluids will be routed to tanks; vented gas volumes from oil tanks will be estimated based on annual GOR since expected production from will is <60 MCFPD.</p>
- AVO inspections will be conducted on the well and facility as required (weekly or monthly) based on actual daily production from the well or facility. Records of inspections will be kept for no less than 5 years. Any active leaks or releases will be reported as required and repaired in a timely manner.
- Gas sales volumes are recorded and monitored via EFMS.

#### 19.15.27.8 (E) Performance Standards

- Production equipment will be designed to handle maximum anticipated rates and pressure.
- AVO inspections will be conducted on the well and facility as required (weekly or monthly) based on actual daily production from the well or facility. Records of inspections will be kept for no less than 5 years. Any active leaks or releases will be reported as required and repaired in a timely manner.
- Gas/H2S detectors will be installed throughout the facilities and wellheads to detect leaks and enable timely repairs.

## 19.15.27.8 (F) Measurement or estimation of vented and flared natural gas

- All gas from wellhead and treater will be routed to a sales outlet.
- When metering is not practical due to low pressure/low rate (<60 MCFPD), the vented volume will be estimated based on annual GOR.

#### **VIII. Best Management Practices**

- FAE will use best management practices to vent as minimally as possible during well intervention operations and downhole well maintenance.
- All gas from wellhead and treater will be routed to a sales outlet. Fluids will be routed to tanks; vented gas volumes from oil tanks will be estimated based on annual GOR since expected production from will is <60 MCFPD. All venting events will be recorded and all start-up, shutdown, maintenance logs will be kept for control equipment
- All equipment will be maintained to provide highest run-time possible.
- AVO inspections will be conducted on the well and facility as required (weekly or monthly) based on actual daily production from the well or facility. Records of inspections will be kept for no less than 5 years. Any active leaks or releases will be reported as required and repaired in a timely manner.
- Gas sales volumes are recorded and monitored via EFMS.
- All procedures are drafted to keep venting to the absolute minimum.

Well Name: Lanehart 22 #001 **Plantation ID Number:** Lease Type: 25-S 37-E 660' FNL & 660' FWL 22 Location: Range: Township: Lea State: NM 30-025-25742 DHC: Jalmat; Langlie-Mattix County: API: Formation: **PROPOSED** Surface Csg KB: 10 Size: 8-5/8" DF 24# GL: 3079 Wt.&Thrd: Spud Date: 12/21/1977 Grade: K-55 980' Compl. Date: 1/30/1978 Set @: Sxs cmt: 550 sxs Circ: Surface TOC: <u>Deviation Survey</u> Surface Hole Size: 12-1/4" MD (ft) TVD (ft) Inc (deg) 0.0 1366 1366.0 1.0 1415 1415.0 1509 1508.8 6.0 1604 1602.8 10.0 1726 12.5 1722.4 1795 1789.7 12.8 **KOP** 1366' 1951 13.0 1941.8 12.5 2138 2124.2 2324 2305.9 12.0 2478 2456.8 11.5 2572 2548.7 12.5 2697 2670.5 13.5 2824.0 2855 12.5 2979 12.3 2945.2 3169 3129.8 14.5 3263 3220.7 15.0 3389 3342.4 15.3 15.0 3515 3463.0 3655 3599.2 15.0 YATES (Top @ 2740') 2905-3021' (24 shots) - Aug 1987 Acidized w/ 1500 gals 15% NEFE; Frac w/ 31,000 gals CO2, 30,300 gals gel wtr, 107,500# sand SEVEN RIVERS (Top @ 3042') SN 3525' QUEEN (Top @ 3383') **EOT** 3561' 3377' (1 SPF) - Sept 1985 **Production Csg** Acidize w/ 1200 gals 15% NEFE + 30 ball sealers w/ 5% chem-link micellar solv 3356-3476' (22 holes) - Jan 1978 Size: 4-1/2" 9.5# Wt.&Thrd: Acidize w/ 3,000 gals; Foam Frac w/ 40,000 gals wtr, 45,900# sand & 625,000 scf N2 (pumped over 3 stages, stages separated by ~500 gals 10# brine w/ N2 Grade: K-55 & 500# RS) Set @: 3655' 131<u>5 sxs</u> Sxs Cmt: 3508', 3510', 3536', 3552', 3555', 3572', 3580', 3582', 3587' (1 SPF) - Sept 1985 Acidize w/ 1200 gals 15% NEFE + 30 ball sealers Circ: 3524-3528', 3541-3545', 3562-3566' (1 SPF) - Jan 1978 TOC: Acidize w/ 1,000 gals 15% LSTNE acid; Frac w/ 75 bbls gelled 2% KCL wtr Hole Size: 7-7/8" **PBTD 3600' MD** pad, 10,000 gals 2% KCL wtr, 15,000# sand TD 3655' MD / 3539' TVD

Tubulars - Capacities and Performa	<u>ance</u>				
<u>bbl</u>	<u>l/ft</u> <u>cf/ft</u>	Tensile (lbs) Burst (psi)	Collapse (psi)	<u>ID(in)</u>	Drift (in)
2-3/8" 4.7# J-55 EUE 8rd Tubin	g (MA w/ bull plug,	perf sub, SN, ~110 jt 2-3/8" tl	og) @ 3561'		

Well Name: Lanehart 22 #001 **Plantation ID Number:** Lease Type: 25-S 660' FNL & 660' FWL 22 37-E Location: Range: Township: Lea State: NM 30-025-25742 County: API: Formation: Jalmat CURRENT Surface Csg KB: 10 Size: 8-5/8" DF 24# GL: 3079 Wt.&Thrd: 12/21/1977 Grade: K-55 Spud Date: 980' Compl. Date: 1/30/1978 Set @: Sxs cmt: 550 sxs Surface Circ: TOC: <u>Deviation Survey</u> Surface Hole Size: 12-1/4" MD (ft) TVD (ft) Inc (deg) 1366.0 0.0 1366 1.0 1415 1415.0 1509 1508.8 6.0 1604 1602.8 10.0 1726 1722.4 12.5 12.8 1795 1789.7 **KOP** 1366' 1951 1941.8 13.0 2138 12.5 2124.2 2324 2305.9 12.0 2478 2456.8 11.5 2572 2548.7 12.5 2697 2670.5 13.5 2824.0 2855 12.5 2979 12.3 2945.2 3169 3129.8 14.5 3263 3220.7 15.0 3389 3342.4 15.3 15.0 3515 3463.0 3655 3599.2 15.0 YATES (Top @ 2740') 2905-3021' (24 shots) - Aug 1987 Acidized w/ 1500 gals 15% NEFE; Frac w/ 31,000 gals CO2, 30,300 gals gel wtr, 107,500# sand SEVEN RIVERS (Top @ 3042') EOT 3458' QUEEN (Top @ 3383') **CIBP** 3480' 3377' (1 SPF) - Sept 1985 **Production Csg** Acidize w/ 1200 gals 15% NEFE + 30 ball sealers w/ 5% chem-link micellar solv 3356-3476' (22 holes) - Jan 1978 Size: 4-1/2" 9.5# Wt.&Thrd: Acidize w/ 3,000 gals; Foam Frac w/ 40,000 gals wtr, 45,900# sand & 625,000 scf N2 (pumped over 3 stages, stages separated by ~500 gals 10# brine w/ N2 Grade: K-55 & 500# RS) Set @: 3655' 131<u>5 sxs</u> 3508', 3510', 3536', 3552', 3555', 3572', 3580', 3582', 3587' (1 SPF) - Sept 1985 [ISOL/ Sxs Cmt: Acidize w/ 1200 gals 15% NEFE + 30 ball sealers Circ: 3524-3528', 3541-3545', 3562-3566' (1 SPF) - Jan 1978 [ISOLATED] TOC: Acidize w/ 1,000 gals 15% LSTNE acid; Frac w/ 75 bbls gelled 2% KCL wtr Hole Size: 7-7/8" pad, 10,000 gals 2% KCL wtr, 15,000# sand **PBTD 3480' MD** TD 3655' MD / 3539' TVD

Tubulars - Capacities and Per	<u>formance</u>						
	bbl/ft	cf/ft	Tensile (lbs)	Burst (psi)	Collapse (psi)	ID(in)	Drift (in)
2-3/8" Tubing (108 jts 2-3/8	8" J-55 EUE	8rd w/ SN)	@ 3458'				

District I
1625 N. French Dr., Hobbs, NM 88240
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**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 228509

#### **CONDITIONS**

Operator:	OGRID:
FAE II Operating LLC	329326
11757 Katy Freeway, Suite 725	Action Number:
Houston, TX 77079	228509
	Action Type:
	[C-101] Drilling Non-Federal/Indian (APD)

#### CONDITIONS

Created By		Condition Date
pkautz	MUST SUBMIT C-103E	6/23/2023