#### 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

<u>District III</u> 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
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.

**Santa Fe, NM 87505** 

			Nubicon Oil & Ga 508 W Wall Aver Midland, TX 797	as, LLC nue, Suite 12	20				<sup>2</sup> · OGRID Nu 194266 <sup>3</sup> · API Num 30-025-38	ber	
4. Proper	ty Code				<sup>3</sup> Property N DH 5 State	lame				Well No. #001	
				7.	Surface Lo	cation				,,,,,,	
UL - Lot	Section	Township	- C	Lot Idn	Feet fro		N/S Line	Feet From	E/W Line	County	
l	05	10S	34E	* D	2160		South	660	East	Lea	
UL - Lot	Section	Township	Range	Lot Idn	osed Botton		N/S Line	Feet From	E/W Line	County	
CE - Lot	Section	Township	Range	Lot Kill	Teet ne	) I	V/S Line	rectroni	L) W Line	County	
				9.	Pool Inform	nation					
				F	Pool Name					Pool Code	
				LAN	E;ABO,EAST					36673	
<sup>11.</sup> Work	Truns		<sup>12.</sup> Well Type	Additi	onal Well I			14. Lease Type	15.	Ground Level Elevation	
	P		Gas		Cable/Ro	otary		S		4246 GR	
<sup>16.</sup> Mu	tiple O		<sup>17.</sup> Proposed Depth 12,450'		18. Formation Abo			<sup>19.</sup> Contractor		<sup>20.</sup> Spud Date 3/30/2007	
Depth to Grour	-	<u> </u>		ance from near	est fresh water v	3/30/					
		G.			Casing and			0.1.6	G	F.C. A. ITOG	
Type Surface		e Size -1/2"	Casing Size		Weight/ft 8#		ng Depth 420'	Sacks of		Estimated TOC Surface	
Intermediate	+	1"	8-5/8"		2#	4100'		285 950		Surface	
Production		7/8"	5-1/2"		 7#	12450'		1000		5125' CBL	
			Casi	ng/Cement	Program: A	l Additional	Comment	ts	<u>_</u>		
See attached	current a	nd propos	ed wellbore diagr	ams - propos	ed to set CIBI	P at 11,550'	with 35' cei	ment over existir	g perfs, new	perfs 9,015-9042'	
			22.	Proposed 1	Blowout Pro	evention P	rogram				
	Type			Working Press	sure	Test Pressure		Manufacturer			
best of my kno	wledge ar	nd belief.	ion given above is				OIL	CONSERVA	TION DIV	ISION	
19.15.14.9 (B)	fy that I	have comp □, if appli	lied with 19.15.14 cable.	.9 (A) NMAC	and/or	Approved I	Зу:				
Signature:	Han Of	<del>pho</del>				PKa	utz				
Printed name:		y Dixon				Title:	<u>U</u>	1/2055		04/44/8085	
Γitle: Regul			Dame all c			Approved I	Date: <b>01/1</b>	1/2023	Expiration Date	<b>01/11/2025</b>	
E-mail Addres		iey.wtor@		044 0512		Conditie	of Ame1	Attached			
Date: 12/21	2022		Phone: 281	- <del>244</del> -9313		Conditions	of Approval .	Апаспеа			

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1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

12 Dedicated Acres

40.0

1 ADI Number

<sup>13</sup> Joint or Infill

14 Consolidation Code

# 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

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025-38292 36673						LANE;ABO,EAST						
<sup>4</sup> Property 3331					<sup>5</sup> Property N DH 5 S	<sup>6</sup> Well Number #001						
<sup>7</sup> OGRID 19426				* Operator Name Rubicon Oil & Gas, LLC						<sup>9</sup> Elevation 4246'		
					<sup>10</sup> Surface I	Location				_		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Eas	t/West line	County		
I	05	10S	34E		2160'	South	660'	Ea	st	LEA		
			п Bo	ttom Hol	e Location If	Different Fron	n Surface					
III. or lot no	Section	Townshin	Range	Lot Idn	Feet from the	North/South line	Feet from the	Eas	t/West line	County		

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.

<sup>15</sup> Order No.

16				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
				heretofore entered by the division.
				12/21/2022
				Signature Date
				Kourtney Dixon
				Printed Name
				Timed valle
				kourtney.wtor@gmail.com
				E-mail Address
				18SURVEYOR CERTIFICATION
			6601	I hereby certify that the well location shown on this plat
			660'	was plotted from field notes of actual surveys made by
		4	<b>`</b>	
				me or under my supervision, and that the same is true
				and correct to the best of my belief.
				Date of Survey
		50'		Signature and Seal of Professional Surveyor:
		2160'		Signature and Sear of Front State of the Search of the Sea
				Certificate Number

#### 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: Rubico	n Oil & Gas, I	LC	OGRID: _1	94266	Date:	12 / 21 / 2022	
II. Type: ☑ Original [	☐ Amendment	due to □ 19.15.27.9	9.D(6)(a) NMA	C □ 19.15.27.9.D(	6)(b) NMAC □ (	Other.	
If Other, please describe	e: Recomple	tion					_
<b>III. Well(s):</b> Provide the be recompleted from a s					vells proposed to	be drilled or proposed	d to
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D	
DH 5 State #001	30-025-38292	I-05-10S-34E	2160FSL, 660FEL	10	30	10	
IV. Central Delivery P V. Anticipated Schedu proposed to be recomple	le: Provide the	following informat gle well pad or coni	nected to a centr	al delivery point.	rell or set of wells		d or
Well Name	API	Spud Date	TD Reached Date	Completion Commencement			on
DH 5 State #001	30-025-38292			1/15/2022	2/1/20	2/1/2022	
VI. Separation Equipm VII. Operational Prac Subsection A through F VIII. Best Management during active and planner	tices:  Attac of 19.15.27.8	h a complete descr NMAC.	iption of the act	tions Operator will	I take to comply	with the requirements	s of

#### 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 Anticipated Volume of Natural Natural Gas Rate MCF/D Gas for the First Year MCF X. Natural Gas Gathering System (NGGS): ULSTR of Tie-in **Anticipated Gathering** Available Maximum Daily Capacity Operator System Start Date 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  $\square$  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 production. 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). ☐ Attach Operator's plan to manage production in response to the increased line pressure.

**XIV.** Confidentiality: 

Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Page 2 of 4

(h)

(i)

## Section 3 - Certifications <u>Effective May 25, 2021</u>

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal: Departor 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: power generation on lease; (a) power generation for grid; (b) compression on lease; (c) (d) liquids removal on lease; reinjection for underground storage; (e) **(f)** reinjection for temporary storage; **(g)** reinjection for enhanced oil recovery;

#### Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

other alternative beneficial uses approved by the division.

fuel cell production; and

- (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: Landon Hoodgron
Printed Name: Landon Goodgion
Title: Authorized Representative
E-mail Address: contact@adventure-energy.com
Date: 12/21/2022
Phone: 432-683-6565
OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

#### **Attachment to Natural Gas Management Plan**

#### VI. Separation Equipment

The battery was constructed and operational prior to May 25<sup>th</sup>, 2021. Separation equipment is sized to allow for retention time to adequately separate oil, water and gas. Valves and meters are designed to service without flow interruption or venting of gas. The battery has an inlet gas separator and will have a heater treater installed, into which all production will come from the well. The gas will go to sales point and be purchased by Targa. Sales line pressure is normally less than 60 psi. Oil is sent to the oil tanks. Water is sent to the water tanks.

#### **VII. Operation Practices**

All field operations are designed with the goal of minimizing flaring and preventing venting of natural gas. During normal operations of all phases, well will flow through adequately sized separation equipment into the battery. Production equipment is designed to handle maximum anticipated rates and pressures. From separation equipment, gas will be routed to a sales outlet. The Targa gas meter has no bypasses installed.

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

Operator will use best management practices to vent as a minimally as possible during well intervention operations and downhole well maintenance. All procedures are designed to keep venting and flaring to the absolute minimum.

## **Operational Practices**

#### 19.15.27.8 (A) Venting and Flaring of Natural Gas

Rubicon Oil & Gas, LLC understands the requirements of NMAC 19.15.27.8 which states that the venting and flaring of natural gas during drilling, completion or production that constitutes waste as defined in 19.15.2 are prohibited.

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

1. Rubicon's DH 5 State 1 (API 30-025-38292) well is existing and therefore will not be performing drilling operations.

#### 19.15.27.8 (C) Venting and flaring during completion or recompletion

During completion operations, Rubicon utilizes the following:

- 1. Rubicon facilities are built and ready from day 1 of flowback
- 2. A gas separator and heater treater have been set to properly separate gas and liquids. See **attachment** for details on Separation Equipment used by Rubicon.

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

Rubicon will not vent or flare natural gas except under the following circumstances:

- 1. During an emergency or malfunction
- 2. To unload or clean-up liquid holdup in a well to atmospheric pressure, provided
  - a) Rubicon does not vent after the well achieves a stabilized rate and pressure
  - b) Rubicon will remain present on-site during liquids unloaded by manual purging and takes all reasonable actions to achieve a stabilized rate and pressure at the earliest practical time
  - c) Best management practices will be used during downhole well maintenance.
- 3. During the following activities unless prohibited
  - a) Gauging or sampling a storage tank or low-pressure production vessel
  - b) Loading out liquids from a storage tank
  - c) Repair and maintenance
  - d) Normal operation of a gas-activated pneumatic controller or pump
  - e) Normal operation of a storage tank
  - f) Normal operations of compressors, compressor engines, turbines, valves, flanges, and connectors
  - g) During a bradenhead, packer leakage test, or production test lasting less than 24 hours
  - h) When natural gas does not meet the gathering pipeline specifications
  - i) Commissioning of pipelines, equipment, or facilities only for as long as necessary to purge introduced impurities.

#### 19.15.27.8 (E) Performance standards

- 1. Rubicon has a designated battery with a safety factor for all separation and storage equipment.
- 2. Facilities will be designed to minimize waste.
- 3. Rubicon will resolve emergencies as promptly as possible.

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

- 1. Rubicon's measuring equipment will conform to an industry standards.
- 2. Rubicon will estimate the volume of vented and flared natural gas based on the results of an annual GOR test for wells that do not require measuring equipment reported on form C-116.

Rield: X 1, Roop : 12/28/20/23 \$ 8:97999

Formation: Atoka

**SHL:** 2160' FSL & 660' FEL, Sec 5 -10S-

34E, UL I

County/State: Lea, NM

**KB**: 4269' **GL**: 4246'

## DH 5 State 1 Rubicon Oil & Gas, LLC API No. 30-025-38292

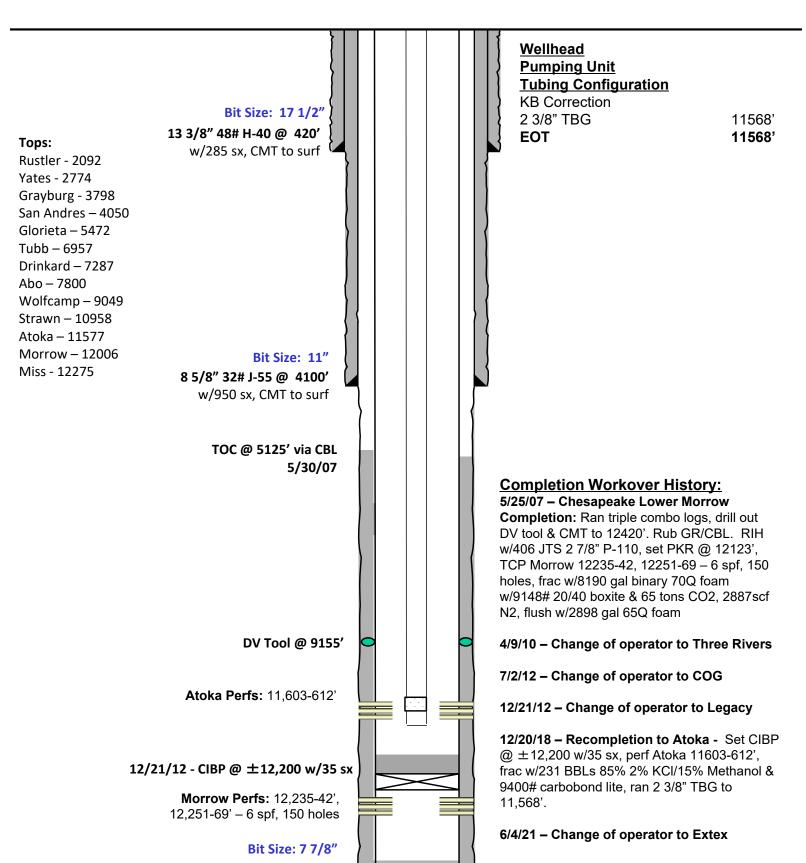
**Current WBD** 

NMOCD Operator #: 21242668
NMOCD Lease #: 333144

**Spud:** 3/30/07

Completed (Morrow): 6/1/07

Completed (Atoka): 12/21/18



PBTD: 12356

TD: 12450'

5-1/2" 17# P-110 @ 12450', w/1000 sxs

Field: Xx 4vR3DB: 12/28/20123988:92999

Formation: Atoka

**SHL:** 2160' FSL & 660' FEL, Sec 5 -10S-

34E, UL I

County/State: Lea, NM

**KB**: 4269' GL: 4246'

## DH 5 State 1 **Rubicon Oil & Gas, LLC** API No. 30-025-38292

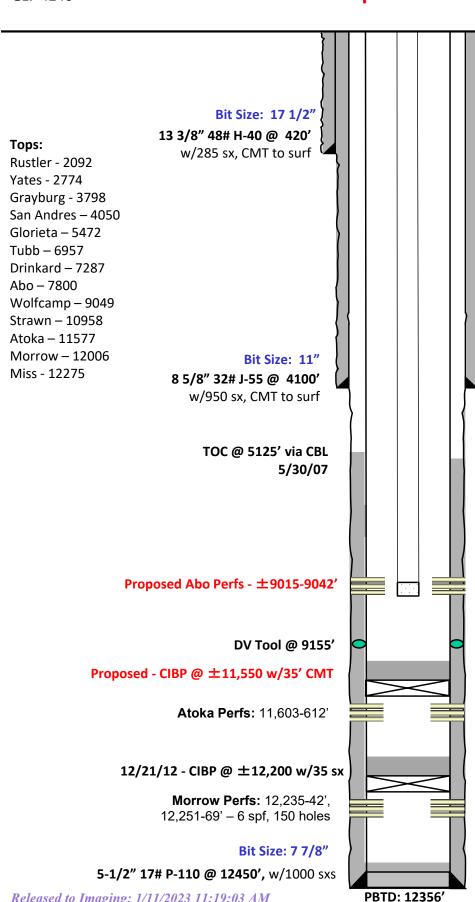
**Proposed WBD** 

NMOCD Operator# 19A2668 **NMOCD Lease #:** 333144

**Spud:** 3/30/07

Completed (Morrow): 6/1/07

Completed (Atoka): 12/21/18



Wellhead **Pumping Unit Tubing Configuration KB** Correction 2 3/8" TBG

**EOT** 

11568' 11568'

**Completion Workover History:** 5/25/07 - Chesapeake Lower Morrow

Completion: Ran triple combo logs, drill out DV tool & CMT to 12420'. Rub GR/CBL. RIH w/406 JTS 2 7/8" P-110, set PKR @ 12123', TCP Morrow 12235-42, 12251-69 - 6 spf, 150 holes, frac w/8190 gal binary 70Q foam w/9148# 20/40 boxite & 65 tons CO2, 2887scf N2, flush w/2898 gal 65Q foam

4/9/10 - Change of operator to Three Rivers

7/2/12 - Change of operator to COG

12/21/12 - Change of operator to Legacy

12/20/18 - Recompletion to Atoka - Set CIBP @  $\pm 12,200 \text{ w/}35 \text{ sx}$ , perf Atoka 11603-612', frac w/231 BBLs 85% 2% KCI/15% Methanol & 9400# carbobond lite, ran 2 3/8" TBG to 11,568'.

6/4/21 - Change of operator to Extex

TD: 12450'

Released to Imaging: 1/11/2023 11:19:03 AM

LRG 12/13/2022

### WELL LOGS

 $\kappa_z$ 

F	NPI number:	30-025-382	92							
	OGRID:	Operator:	CHESA	PEAK	E OPER	ATING	INC			
	DH 5 ST	ATE					# 1			
surface	ULSTR:	1	5		T 10	S		R	34E	
	L		2160	FSL		660	FEL			
		_								
BH Loc	ULSTR:	li l	5		T 10	S		R	34E	
			2160	FSL		660	FEL			

Ground Level:	4246	DF:	4268	KB:	4269	
Datum:	KB			TD:	12450	

Completion Date: (1) 6/22/2007

Land: STATE Date Logs Received: 7/17/2007 \*\*Late\*\*

Date Logs Due in: (2) 7/12/2007

Date out:

Confidential: NO

Confidential period: 90 Days for State & Fee, 1 Year for federal

Date Due In: (1) is equal to Completion Date (1) + 20 days

Logs	Depth interv		
MPD/MDN	200	12426	Compensated Neutron Photo Density GR
MLE/MMR	4100	12456	Dual Laterolog Micro Laterolog
MSS	4100	12468	Compensated Sonic Gamma Ray Log
	4100	12408	Spectral Gamma Ray

Κz **OCD TOPS** 10958 2092 Strawn Rustler 11577 Atoka Tansill 12006 2774 Morrow Yates 7R T. Bowers Sd B. Bowers Sd Queen Penrose 3798 Grayburg 4050 San Andres 5472 Glorieta 6957 Tubb 7287 Drinkard 7800 Abo Wolfcamp 9049

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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 170795

#### **CONDITIONS**

Operator:	OGRID:
RUBICON OIL & GAS, LLC	194266
508 W Wall Avenue	Action Number:
Midland, TX 79701	170795
	Action Type:
	[C-101] Drilling Non-Federal/Indian (APD)

#### CONDITIONS

Created By	Condition	Condition Date
pkautz	PLACE AN ADDITIONAL PLUG @ 9200 FEET.	1/11/2023
pkautz	PRIOR TO RECOMPLETING MUST SUBMIT C-103E NOI TO RECOMPLETE WITH PLUGGING BACK AND COMPLETION PROCEDURES	1/11/2023