

**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**

Form C-101

August 1, 2011

Permit 292671

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

1. Operator Name and Address Tamaroa Operating, LLC PO Box 866937 Plano, TX 750866937		2. OGRID Number 328666
		3. API Number 30-005-64357
4. Property Code 330187	5. Property Name HERITAGE PARK	6. Well No. 001

**7. Surface Location**

UL - Lot A	Section 30	Township 09S	Range 29E	Lot Idn A	Feet From 660	N/S Line N	Feet From 10	E/W Line E	County Chaves
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**8. Proposed Bottom Hole Location**

UL - Lot A	Section 30	Township 09S	Range 29E	Lot Idn A	Feet From 660	N/S Line N	Feet From 10	E/W Line E	County Chaves
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**9. Pool Information**

WC 09S29E29;DEVONIAN	98354
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3878
16. Multiple N	17. Proposed Depth 8500	18. Formation Silurian	19. Contractor	20. Spud Date 3/1/2021
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**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	350	400	0
Int1	12.25	9.625	40	2300	650	0
Prod	8.25	5.5	5.5	8500	2050	0

**Casing/Cement Program: Additional Comments**

Casing grade for production would also include J55
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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	2500	TBD
Double Ram	5000	2500	TBD

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.  
I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable.

Signature:

Printed Name: Electronically filed by William C Bahlburg

Title: Manager

Email Address: bill@tamaroadev.com

Date: 2/18/2021

Phone: 972-867-2575

**OIL CONSERVATION DIVISION**

Approved By: Kurt Simmons

Title: Petroleum Specialist - A

Approved Date: 2/19/2021

Expiration Date: 2/19/2023

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, New Mexico 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-005-</b>	Pool Code <b>98354</b>	Pool Name <b>WC 09S29E29; DEVONIAN</b>
Property Code	Property Name <b>HERITAGE PARK</b>	Well Number <b>1</b>
OGRID No. <b>328666</b>	Operator Name <b>TAMAROA OPERATING, LLC</b>	Elevation <b>3878'</b>

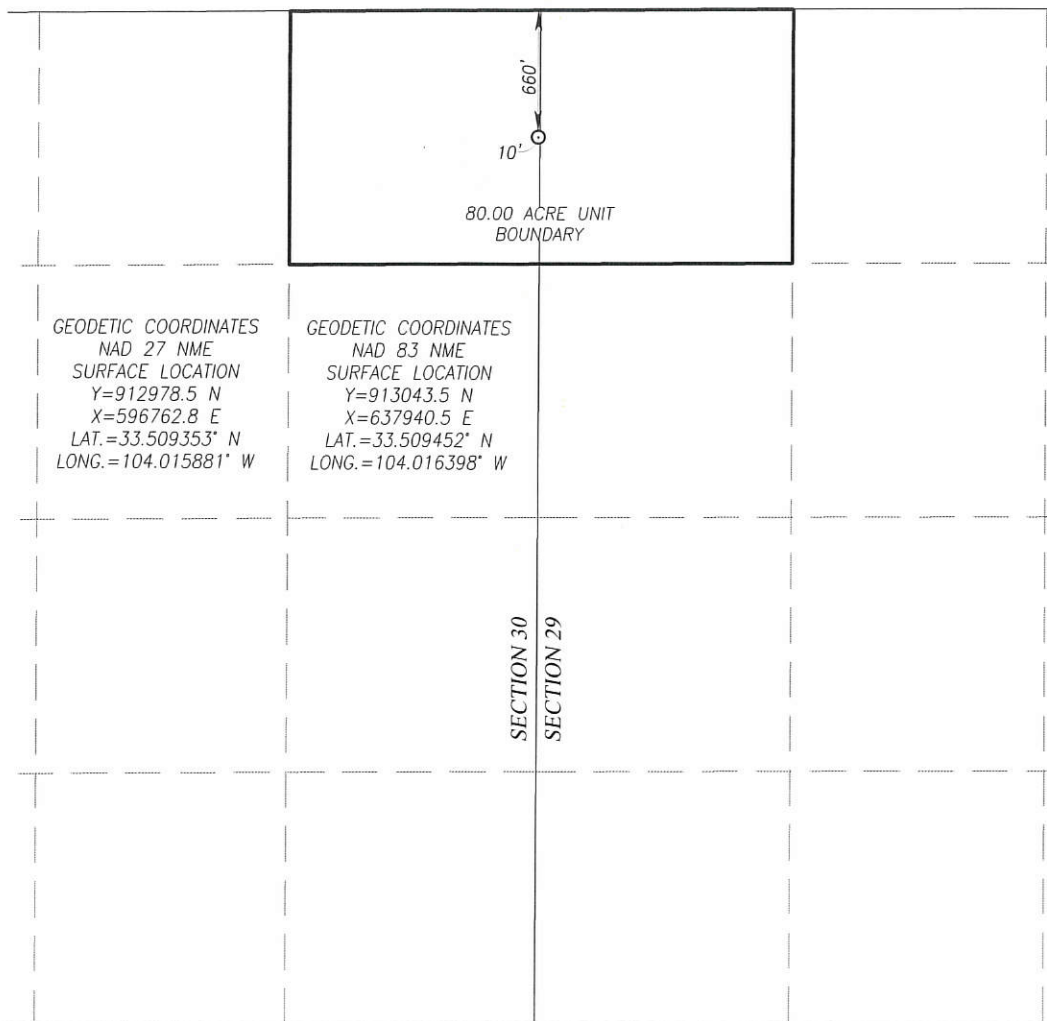
Surface Location

UL or lot No. <b>A</b>	Section <b>30</b>	Township <b>9-S</b>	Range <b>29-E</b>	Lot Idn	Feet from the <b>660</b>	North/South line <b>NORTH</b>	Feet from the <b>10</b>	East/West line <b>EAST</b>	County <b>CHAVES</b>
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres <b>80.00</b>	Joint or Infill	Consolidation Code <b>F</b>	Order No. <b>pending hearing decision</b>						

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



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Brian Wood* **2-17-21**  
Signature Date

**BRIAN WOOD**

Printed Name

**brian@permitswest.com**

E-mail Address **(505) 466-8120**

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.

**NOVEMBER 20, 2020**  
Date of Survey **3239**  
Signature & Seal of Professional Surveyor:

*Ronald J. Eidson* **12/18/2020**

Certificate Number Gary G. Eidson 12641  
Ronald J. Eidson 3239

ACK

JWSC W.O.: 20.11.0525

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## GAS CAPTURE PLAN

Date: 2/19/2021

☒ Original

Operator & OGRID No.: [328666] Tamaroa Operating, LLC

☐ Amended - Reason for  
Amendment: \_\_\_\_\_

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

*Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).*

### Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
HERITAGE PARK #001	30-005-64357	A-30-09S-29E	0660N 0010E	50	Flared	

### Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to EL PASO NATURAL GAS CO and will be connected to EL PASO NATURAL GAS CO High Pressure gathering system located in Chaves County, New Mexico. It will require 400' of pipeline to connect the facility to High Pressure gathering system. Tamaroa Operating, LLC provides (periodically) to EL PASO NATURAL GAS CO a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Tamaroa Operating, LLC and EL PASO NATURAL GAS CO have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at EL PASO NATURAL GAS CO Processing Plant located in Sec. 29 Twn. 09S Rng. 29E Chaves County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

### Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on EL PASO NATURAL GAS CO system at that time. Based on current information, it is Tamaroa Operating, LLC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

### Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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Form APD Comments

Permit 292671

PERMIT COMMENTS

Operator Name and Address: Tamaroa Operating, LLC [328666] PO Box 866937 Plano, TX 750866937		API Number: 30-005-64357
		Well: HERITAGE PARK #001

Created By	Comment	Comment Date
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Form APD Conditions

Permit 292671

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: Tamaroa Operating, LLC [328666] PO Box 866937 Plano, TX 750866937	API Number: 30-005-64357
	Well: HERITAGE PARK #001

OCD Reviewer	Condition
ksimmons	Notify OCD 24 hours prior to casing & cement
ksimmons	Cement is required to circulate on both surface and intermediate1 strings of casing
kpickford	Will require a deviation survey with the C-104
kpickford	Surface casing must be set 25' below top of Rustler Anhydrite or salt in order to seal off protectable water
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days
kpickford	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system