

**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 285852

**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 30-005-64355
4. Property Code 325750	5. Property Name BONANZA	6. Well No. 001

**7. Surface Location**

UL - Lot A	Section 21	Township 07S	Range 28E	Lot Idn A	Feet From 330	N/S Line N	Feet From 400	E/W Line E	County Chaves
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**8. Proposed Bottom Hole Location**

UL - Lot A	Section 21	Township 07S	Range 28E	Lot Idn A	Feet From 330	N/S Line N	Feet From 400	E/W Line E	County Chaves
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**9. Pool Information**

WC-005 G-03 S072821A;FUSSELMAN	98348
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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 3982
16. Multiple N	17. Proposed Depth 6900	18. Formation Fussleman	19. Contractor	20. Spud Date 10/1/2020
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	12.25	9.625	340	1390	600	0
Prod	8.75	5.5	17	6900	1150	0

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

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

**OIL CONSERVATION DIVISION**

Printed Name: Electronically filed by William C Bahlburg	Approved By: Scott Cox
Title: Manager	Title: Petroleum Engineer Supervisor
Email Address: bill@tamaroadev.com	Approved Date: 10/30/2020 Expiration Date: 10/30/2022
Date: 9/5/2020 Phone: 972-867-2575	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>98348</b>	Pool Name <b>WC-005 G-03 S072821A;FUSSELMAN</b>
Property Code <b>325750</b>	Property Name <b>BONANZA</b>	Well Number <b>1</b>
OGRID No. <b>328666</b>	Operator Name <b>TAMAROA OPERATING, LLC</b>	Elevation <b>3982'</b>

Surface Location

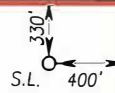
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	21	7-S	28-E		330	NORTH	400	EAST	CHAVES

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>40.00</b>	Joint or Infill	Consolidation Code	Order No.						

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

		GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 981836.7 N X= 575409.3 E LAT.=33.698759° N LONG.=104.085394° W	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 981900.9 N X= 616586.9 E LAT.=33.698850° N LONG.=104.085914° W



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 unCHAVESsed 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*  
Signature

9-4-20

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.

Date of Survey

3239

Signature & Seal of Professional Surveyor:

*Ronald J. Eidson* 09/03/2020  
Certificate Number Gary G. Eidson 12641  
Ronald J. Eidson 3239

LSL

JWSC W.O.: 20.11.0402

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## GAS CAPTURE PLAN

Date: 10/30/2020

☒ 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
BONANZA #001	30-005-64355	A-21-07S-28E	0330N 0400E	800	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 TARGA MIDSTREAM SERVICES LLC and will be connected to TARGA MIDSTREAM SERVICES LLC Low Pressure gathering system located in Chaves County, New Mexico. It will require 11600' of pipeline to connect the facility to Low Pressure gathering system. Tamaroa Operating, LLC provides (periodically) to TARGA MIDSTREAM SERVICES LLC 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 TARGA MIDSTREAM SERVICES LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at TARGA MIDSTREAM SERVICES LLC Processing Plant located in Sec. 26, Twn. 07S, Rng. 28E, 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 TARGA MIDSTREAM SERVICES LLC 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 285852

PERMIT COMMENTS

Operator Name and Address: Tamaroa Operating, LLC [328666] PO Box 866937 Plano, TX 750866937		API Number: 30-005-64355
		Well: BONANZA #001

Created By	Comment	Comment Date
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Form APD Conditions

Permit 285852

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: Tamaroa Operating, LLC [328666] PO Box 866937 Plano, TX 750866937	API Number: 30-005-64355
	Well: BONANZA #001

OCD Reviewer	Condition
pkautz	Will require a deviation survey with the C-105
pkautz	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
pkautz	Cement is required to circulate on both surface and production strings of casing
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	1)- 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 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD. If an APD expires and if site construction has occurred, site remediation is required.
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.
kpickford	Stage Tool 1) Must notify OCD Artesia Office prior to running Stage Tool 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.