Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO.
30-025-54793

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Flagstick 15

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

8. Well Number 1

2. Name of Operator
Tamaroa Operating LLC

9. OGRID Number
328666

3. Address of Operator
PO Box 866937 Plano TX 75086

10. Pool name or Wildcat
Lovington; Wolfcamp North

4. Well Location
Unit Letter: D 850 feet from the **North** line and 700 feet from the **West** line
Section: 15 Township: 16S Range: 36E NMPM County: Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3900.5'

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☒	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Tamaroa requests to:

1. Move the SHL from 850' FNL & 700' FWL, Section 15 16S 36E to 990' FNL & 600' FWL, Section 15 16S 36E;
2. Add the Upper Penn zone;
3. Deepen the production string from 10,815' to 11,742';
4. Change the production casing from 20# C-95 to 17# P-110 and increase the sacks of cement in the production string from 1900 to 2170.

See attached revised C102 forms, casing/cementing table; wellbore diagram and directional plan for more detailed information.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE:  TITLE: Regulatory Consultant DATE: 12/13/25

Type or print name: Brian Wood E-mail address: bwood@permitswest.com PHONE: 505-466-8120

For State Use Only

APPROVED BY:_____TITLE_____DATE_____
Conditions of Approval (if any):

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 Submittal Type: ☑ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-025-54793	~~40760~~ 96248	~~LOVINGTON, UPPER PENN, NORTHEAST~~ DIAMOND; STRAWN
Property Code: 337327	Property Name: FLAGSTICK 15	Well Number: 1
OGRID No.: 328666	Operator Name: TAMAROA OPERATING, LLC	Ground Level Elevation: 3828.7'

Surface Owner: ☐ State ☑ Fee ☐ Tribal ☐ Federal Mineral Owner: ☐ State ☑ Fee ☐ Tribal ☐ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	15	16-S	36-E		990 FNL	600 FWL	32.926747°N	103.349102°W	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	15	16-S	36-E		968 FNL	333 FWL	32.926807°N	103.349972°W	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
80.00	N/A	N/A	N	N/A

Order Numbers. Well setbacks are under Common Ownership: ☐Yes ☑No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	15	16-S	36-E		990 FNL	600 FWL	32.926747	-103.349102	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	15	16-S	36-E		968 FNL	333 FWL	32.926807	-103.349972	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	15	16-S	36-E		968 FNL	333 FWL	32.926807	-103.349972	

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☐ Horizontal ☑ Vertical DIRECTIONAL	Ground Floor Elevation:

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Signature: [signature] Date: 9-22-25

Printed Name: BRIAN WOOD Phone: 505 466-8120

Email Address: brian@permitswest.com

SURVEYOR CERTIFICATIONS

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made be me or under my supervision, and that the same is true and correct to the best of my belief.

CHAD L. HARCROW NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR

Signature and Seal of Professional Suveyor: Chad Harcrow 7/15/25

Certificate Number: 17777

Date of Survey: JULY 10, 2025

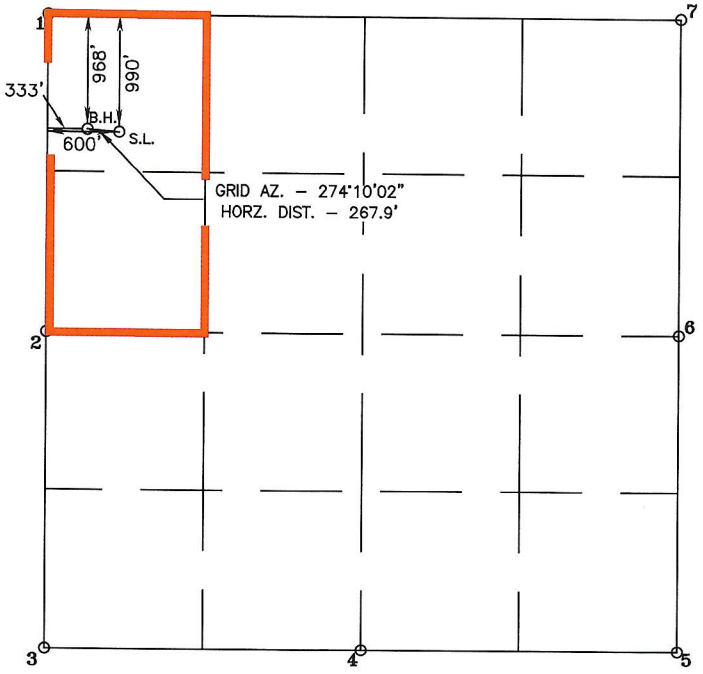
W.O.#25-773 | DRAWN BY: WN | PAGE 1 OF 2

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

NAD 83 NME
SURFACE LOCATION
Y=702295.2 N
X=843334.9 E
LAT.=32.926747° N
LONG.=103.349102° W

NAD 83 NME
PROPOSED BOTTOM
HOLE LOCATION
Y=702314.6 N
X=843067.7 E
LAT.=32.926807° N
LONG.=103.349972° W



POINT LEGEND	
1	Y=703278.3 N X=842722.1 E
2	Y=700633.5 N X=842756.5 E
3	Y=697988.6 N X=842790.9 E
4	Y=698014.3 N X=845434.5 E
5	Y=698040.5 N X=848078.6 E
6	Y=700689.5 N X=848047.1 E
7	Y=703337.9 N X=848015.6 E

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 Submittal Type: ☐ Initial Submittal ☑ Amended Report (MOVE SHL) ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name	
30-025-54793	96625	LOVINGTON; WOLFCAMP, NORTH	
Property Code 337327	Property Name FLAGSTICK 15		Well Number 1
OGRID No. 328666	Operator Name TAMAROA OPERATING, LLC		Ground Level Elevation 3828.7'
Surface Owner: ☐ State ☑ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☑ Fee ☐ Tribal ☐ Federal	

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
80.00	N/A	N/A	N	N/A
Order Numbers.			Well setbacks are under Common Ownership: ☐Yes ☑No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Brian Wood 9-22-25

Signature Date

BRIAN WOOD 505 466-8120

Printed Name

brian@permitswest.com

Email Address

SURVEYOR CERTIFICATIONS

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made be me or under my supervision, and that the same is true and correct to the best of my belief.

CHAD L. HARCROW NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 7/15/25

Signature and Seal of Professional Suveyor

Certificate Number	Date of Survey		
17777	JULY 10, 2025		
	W.O.#25-773	DRAWN BY: WN	PAGE 1 OF 2

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HOLE LOCATION
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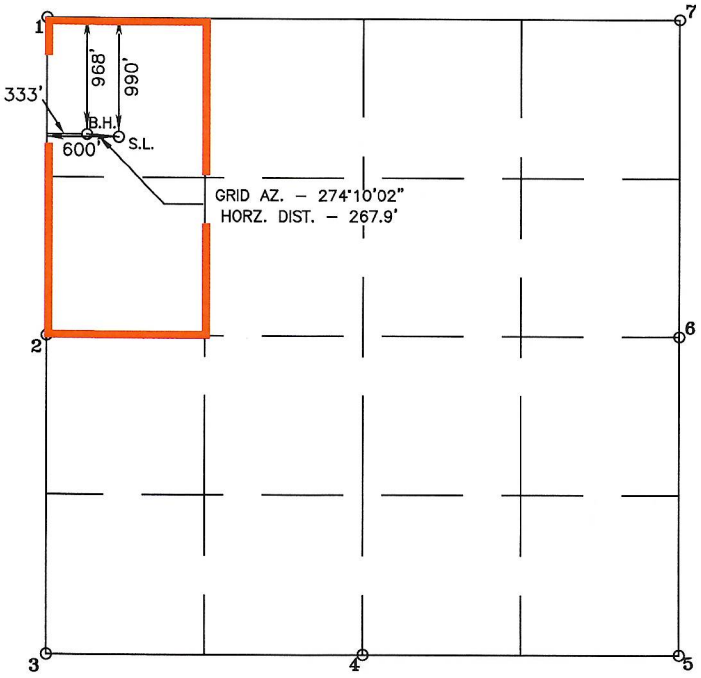

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1	Y=703278.3 N X=842722.1 E
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5	Y=698040.5 N X=848078.6 E
6	Y=700689.5 N X=848047.1 E
7	Y=703337.9 N X=848015.6 E

FORMATION	TVD
Ogallala	000'
Red bed	200'
Yates	3160'
Seven Rivers	3460'
Queen	4075'
Grayburg	4495'
San Andres	4887'
Glorieta	6406'
Tubb	7639'
Abo	8433'
Wolfcamp	10280'
KOP	10650'
Cisco	11080'
Canyon	11220'
Strawn	11530'
U. Penn. Ls.	11560'
TVD	11700'
Atoka	*11740'*

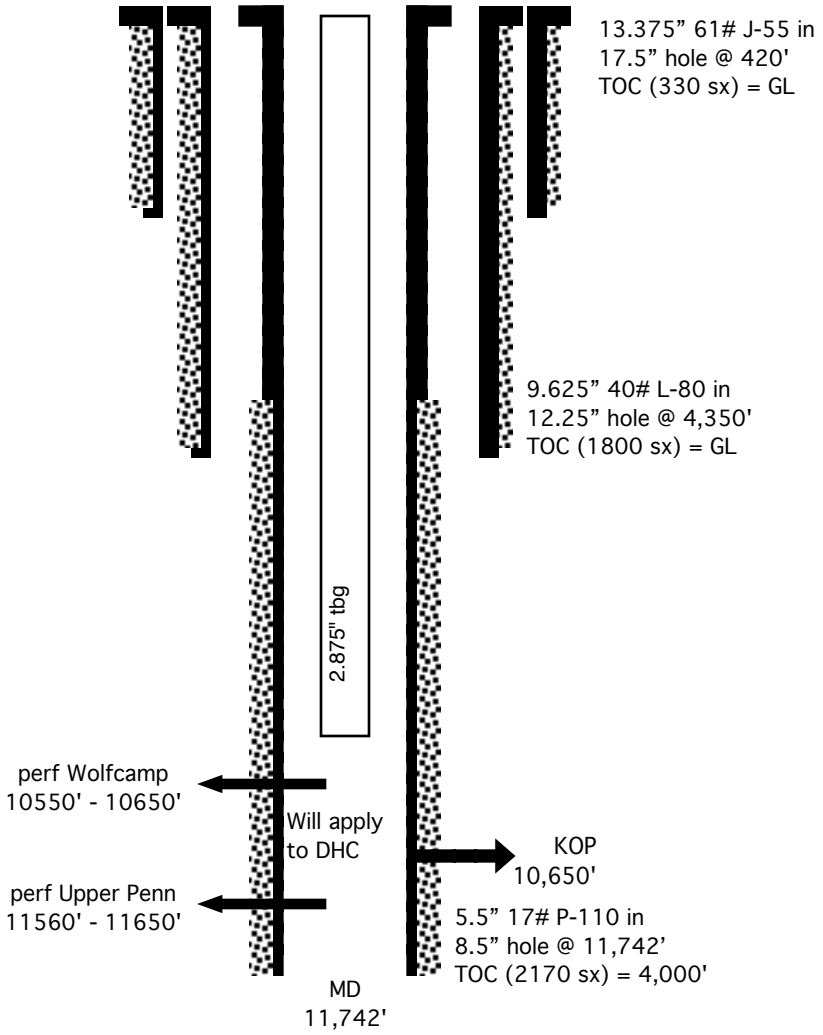
Flagstick 15 1 Proposed Casing				
	Hole Size	**Casing Size**	**Casing Weight/Ft/ Grade**	**Setting Depth**
Surface	17.5"	13.375"	61#, J-55	GL - 420'
Intermediate	12.25"	9.625"	40#, L80	GL - 4350'
Production	8.5"	5.5"	17#, P-110	GL - 11742'

Flagstick 15 1 Proposed Cementing						
Casing Name	Type	Sacks	Yield	Cu. Ft.	Weight	Cement Type
Surface	Lead	330	1.33	439	14.8	Class C
	Tail	None	None	None	None	None
TOC = GL						
Intermediate	Lead	1550	1.41	2186	12.8	Class C
	Tail	250	1.33	333	14.8	Class C
TOC = GL						
Production	Lead	1320	2.25	2970	11.5	Class H
	Tail	850	1.12	952	14.5	Class H
TOC =4000’						

These volumes and tops are estimates; the cementing program may be adjusted to reflect changes in setting depths or formation pressures.

PROPOSED
FLAGSTICK 15 #1
30-025-54793

(not to scale)



TAMAROA DEVELOPMENT LLC

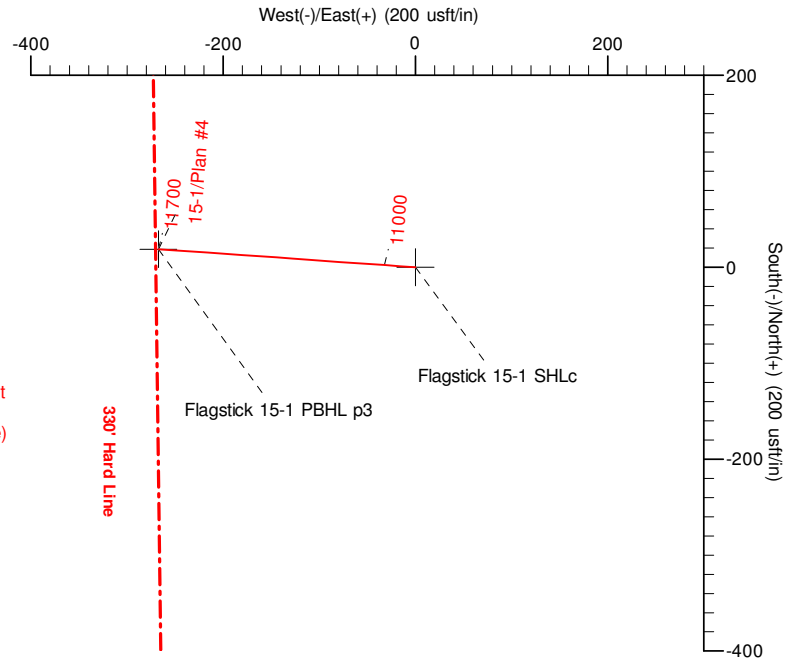
Project: Lea County, NM (NAD83) NMEZ Grid
Site: Flagstick 15-1
Well: 15-1
Wellbore: 15-1 OH
Design: Plan #4

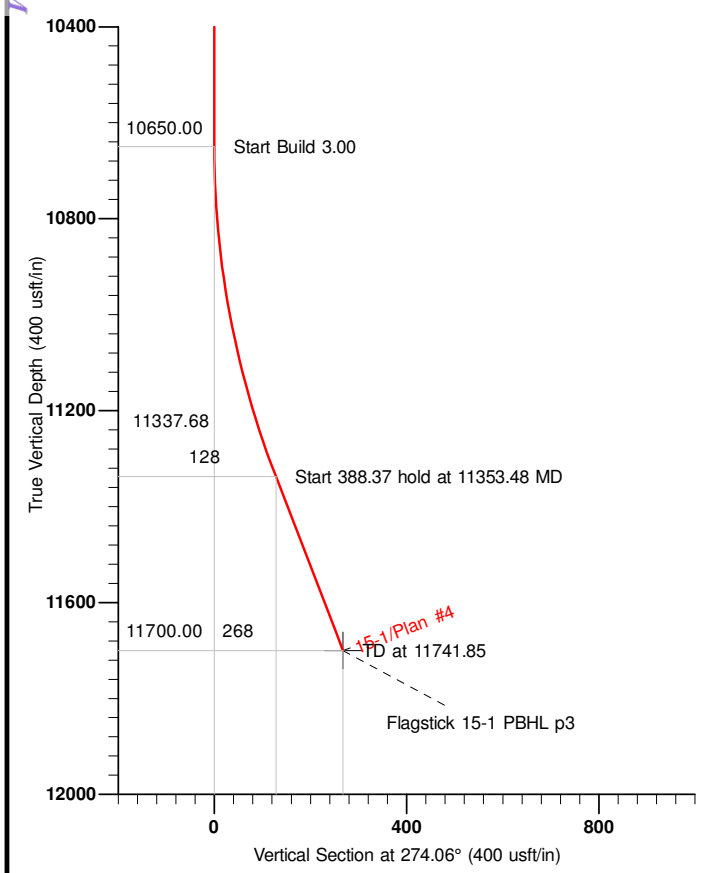
3900.5 @ 3900.50usft (GL)
North American Datum 1983
US State Plane 1983
New Mexico Eastern Zone

Azimuths to Grid North
True North: -0.54°
Magnetic North: 5.67°

Magnetic Field
Strength: 47480.9nT
Dip Angle: 60.43°
Date: 04/04/2025
Model: NOAA 2025

To convert a Magnetic Direction to a True Direction, Add 6.21° East
Magnetic North is 6.21° East of True North (Magnetic Declination)
Magnetic North is 5.67° East of Grid North (Magnetic Convergence)
To convert a Magnetic Direction to a Grid Direction, Add 5.67°





SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	10650.00	0.00	0.00	10650.00	0.00	0.00	0.00	0.00	0.00
3	11353.48	21.10	274.06	11337.68	9.08	-127.78	3.00	274.06	128.10
4	11741.85	21.10	274.06	11700.00	18.99	-267.27	0.00	0.00	267.94

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
Flagstick 15-1 SHLc	0.00	0.00	0.00	702295.14	843334.94
Flagstick 15-1 PBHL p3	11700.00	18.99	-267.27	702314.13	843067.67

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well 15-1
Company:	TAMAROA DEVELOPMENT LLC	**TVD Reference:**	3900.5 @ 3900.50usft (GL)
Project:	Lea County, NM (NAD83) NMEZ Grid	**MD Reference:**	3900.5 @ 3900.50usft (GL)
Site:	Flagstick 15-1	**North Reference:**	Grid
Well:	15-1	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	15-1 OH		
Design:	Plan #4		

Project	Lea County, NM (NAD83) NMEZ Grid		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Flagstick 15-1				
Site Position:		**Northing:**	702,436.20 usft	**Latitude:**	32.9271317
From:	Map	**Easting:**	843,433.00 usft	**Longitude:**	-103.3487783
Position Uncertainty:	0.00 usft	**Slot Radius:**	13.20 in	**Grid Convergence:**	0.54 °

Well	15-1					
Well Position	**+N/-S**	-141.06 usft	**Northing:**	702,295.14 usft	**Latitude:**	32.9267466
	+E/-W	-98.06 usft	**Easting:**	843,334.94 usft	**Longitude:**	-103.3491021
Position Uncertainty		0.00 usft	**Wellhead Elevation:**		**Ground Level:**	3,900.50 usft

Wellbore	15-1 OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	User Defined	04/04/25	6.21	60.43	47,480.90000000

Design	Plan #4				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.00
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**	
	0.00	0.00	0.00	274.06	

Plan Survey Tool Program **Date** 07/03/25

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	11,741.85	Plan #4 (15-1 OH)	MWD	
				OWSG MWD - Standard	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10,650.00	0.00	0.00	10,650.00	0.00	0.00	0.00	0.00	0.00	0.00	
11,353.48	21.10	274.06	11,337.68	9.08	-127.78	3.00	3.00	0.00	274.06	
11,741.85	21.10	274.06	11,700.00	18.99	-267.27	0.00	0.00	0.00	0.00	Flagstick 15-1 PBHL

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well 15-1
Company:	TAMAROA DEVELOPMENT LLC	**TVD Reference:**	3900.5 @ 3900.50usft (GL)
Project:	Lea County, NM (NAD83) NMEZ Grid	**MD Reference:**	3900.5 @ 3900.50usft (GL)
Site:	Flagstick 15-1	**North Reference:**	Grid
Well:	15-1	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	15-1 OH		
Design:	Plan #4		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well 15-1
Company:	TAMAROA DEVELOPMENT LLC	**TVD Reference:**	3900.5 @ 3900.50usft (GL)
Project:	Lea County, NM (NAD83) NMEZ Grid	**MD Reference:**	3900.5 @ 3900.50usft (GL)
Site:	Flagstick 15-1	**North Reference:**	Grid
Well:	15-1	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	15-1 OH		
Design:	Plan #4		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00
10,000.00	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00
10,100.00	0.00	0.00	10,100.00	0.00	0.00	0.00	0.00	0.00	0.00
10,200.00	0.00	0.00	10,200.00	0.00	0.00	0.00	0.00	0.00	0.00
10,300.00	0.00	0.00	10,300.00	0.00	0.00	0.00	0.00	0.00	0.00
10,400.00	0.00	0.00	10,400.00	0.00	0.00	0.00	0.00	0.00	0.00
10,500.00	0.00	0.00	10,500.00	0.00	0.00	0.00	0.00	0.00	0.00
10,600.00	0.00	0.00	10,600.00	0.00	0.00	0.00	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well 15-1
Company:	TAMAROA DEVELOPMENT LLC	**TVD Reference:**	3900.5 @ 3900.50usft (GL)
Project:	Lea County, NM (NAD83) NMEZ Grid	**MD Reference:**	3900.5 @ 3900.50usft (GL)
Site:	Flagstick 15-1	**North Reference:**	Grid
Well:	15-1	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	15-1 OH		
Design:	Plan #4		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,650.00	0.00	0.00	10,650.00	0.00	0.00	0.00	0.00	0.00	0.00
10,700.00	1.50	274.06	10,699.99	0.05	-0.65	0.65	3.00	3.00	0.00
10,800.00	4.50	274.06	10,799.85	0.42	-5.87	5.89	3.00	3.00	0.00
10,900.00	7.50	274.06	10,899.29	1.16	-16.30	16.34	3.00	3.00	0.00
11,000.00	10.50	274.06	10,998.04	2.27	-31.90	31.98	3.00	3.00	0.00
11,100.00	13.50	274.06	11,095.85	3.74	-52.64	52.77	3.00	3.00	0.00
11,200.00	16.50	274.06	11,192.43	5.57	-78.45	78.65	3.00	3.00	0.00
11,300.00	19.50	274.06	11,287.52	7.76	-109.27	109.55	3.00	3.00	0.00
11,353.48	21.10	274.06	11,337.68	9.08	-127.78	128.10	3.00	3.00	0.00
11,400.00	21.10	274.06	11,381.08	10.27	-144.49	144.85	0.00	0.00	0.00
11,500.00	21.10	274.06	11,474.37	12.82	-180.41	180.86	0.00	0.00	0.00
11,600.00	21.10	274.06	11,567.66	15.37	-216.32	216.87	0.00	0.00	0.00
11,700.00	21.10	274.06	11,660.96	17.92	-252.24	252.87	0.00	0.00	0.00
11,741.85	21.10	274.06	11,700.00	18.99	-267.27	267.94	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Flagstick 15-1 SHLc - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	702,295.14	843,334.94	32.9267466	-103.3491021
Flagstick 15-1 PBHL p3 - plan hits target center - Point	0.00	0.00	11,700.00	18.99	-267.27	702,314.13	843,067.67	32.9268056	-103.3499725

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: TAMAROA OPERATING, LLC **OGRID:** 328666 **Date:** 12 / 15 / 25

II. Type: ☐ Original ☑ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: ADD UPPER PENN & MOVED SHL

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
FLAGSTICK 15 #1	30-025-54793	D-15-16S-36E	990 FNL & 600 FWL	250	650	100

IV. Central Delivery Point Name: Targa Midstream Services LLC (24650) IN K-16-16S-36E [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
FLAGSTICK 15 #1	30-025-54793	3-1-26	3-15-26	3-25-26	3-30-26	3-30--26

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 Management Practices: ☑ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

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. ☐ 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 ☐ 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 ☐ does ☐ 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.

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:	BRIAN WOOD
Title:	CONSULTANT
E-mail Address:	brian@permitswest.com
Date:	12-15-25
Phone:	505 466-8120

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

VI. SEPARATION EQUIPMENT

Tamaroa Operating LLC will install either a 4' x 20' or 8' x 20' heater-treater depending on volumes.

Associated equipment will include:
3-phase separator
gas scrubber
fuel safety shut-off valve
vapor recovery tower
vapor recovery piping for water & oil tanks
two 500 bbl water tanks
two or three 500 bbl oil tanks

VII. Operational Practices

NMAC 19.15.27.8 (A) Venting & Flaring of Natural Gas

1. Tamaroa Operating, LLC will comply NMAC 19.15.27.8 – venting and flaring of gas during drilling, completion, or production that constitutes waste as defined in 19.15.2 is banned.

NMAC 19.15.27.8 (B) Venting & Flaring During Drilling

1. Tamaroa will capture or combust gas if technically feasible during drilling operations using best industry practices.
2. A flare stack with a 100% capacity for expected volume will be set on the pad ≥100 feet from the nearest well head and storage tank.
3. In an emergency, Tamaroa will vent gas in order to avoid substantial impact. Tamaroa will report vented or flared gas to the NMOCD.

NMAC 19.15.27.8 (C) Venting & Flaring During Completion or Recompletion

1. Facilities will be built and ready from the first day of flowback
2. Test separator will be properly separate gas and liquids. Temporary test separator will be used initially to process volumes. In addition, separator will be tied into flowback tanks which will be tied into the gas processing equipment for sale down a pipeline.
3. Should the facility not be ready to process gas, or the gas does not meet quality standards, then storage tanks will be set that are tied into gas busters or a temporary flare to manage all gas. This flare would meet the following requirements:
    a) An appropriate sized flare stack with an automatic igniter
    b) Tamaroa analyzes gas samples twice a week

TAMAROA DEVELOPMENT LLC

c) Tamaroa flows the gas into a gathering line as soon as the pipeline specifications are met
d) Tamaroa provides the NMOCD with pipeline specifications and natural gas data.

NMAC 19.15.27.8 (D) Venting & Flaring During Production
Tamaroa will not vent or flare natural gas except:

1. During an emergency or malfunction
2. To unload or clean-up liquid holdup in a well to atmospheric pressure, provided
    a) Tamaroa does not vent after the well achieves a stabilized rate and pressure
    b) Tamaroa will be on-site while unloading liquids by manual purging and take all reasonable actions to achieve a stabilized rate and pressure as soon as possible
    c) Tamaroa will optimize the system to minimize gas venting if the well is equipped with a plunger lift or auto control system
    d) Best management practices will be used during downhole well maintenance.
3. During the first year of production from an exploratory well provided
    a) Tamaroa receives approval from the NMOCD
    b) Tamaroa stays in compliance with NMOCD gas capture requirements
    c) Tamaroa submits an updated C-129 form to the NMOCD
4. 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 but not including venting from a thief hatch
    f) Normal operation of dehydration units
    g) Normal operations of compressors, engines, turbines, valves, flanges, & connectors
    h) During a bradenhead, packer leakage test, or production test lasting <24 hours
    i) When natural gas does not meet the gathering line specifications
    j) Commissioning of pipelines, equipment, or facilities only for as long as necessary to purge introduced impurities.

NMAC 19.15.27.8 (E) Performance Standards

1. Tamaroa used a safety factor to design the separation and storage equipment. The equipment will be routed to a vapor recovery system and uses a flare as back up for startup, shutdown, maintenance, or malfunction of the VRU system.
2. Tamaroa will install a flare that will handle the full volume of vapors from the facility in case of VRU failure. It will have an auto-ignition system.
3. Flare stacks will be appropriately sized and designed to ensure proper combustion efficiency
    a) Flare stacks installed or replaced will be equipped with an automatic ignitor or continuous pilot.

b) Previously installed flare stacks will be retrofitted within 18 months of May 25, 2021 with an automatic ignitor, continuous pilot, or technology that alerts Tamaroa to flare malfunction.
c) Flare stacks replaced after May 25, 2021 will be equipped with an automatic ignitor or continuous pilot if at a well or facility with an average production of ≤60 Mcfd of natural gas.
d) Flare stacks will be located >100 feet from well head and storage tanks and securely anchored.

4. Tamaroa will conduct an AVO inspection on all components for leaks and defects every week.
5. Tamaroa will make and keep records of AVO inspections available to the NMOCD for at least 5 years.
6. Tamaroa may use a remote or automated monitoring technology to detect leaks and releases in lieu of AVO inspections with prior NMOCD approval.
7. Facilities will be designed to minimize waste.
8. Tamaroa will resolve emergencies as promptly as possible.

NMAC 19.15.27.8 (F) Measuring or Estimating Vented & Flared Natural Gas

1. Tamaroa will have meters on both the low pressure and high-pressure sides of the flares. Volumes will be recorded in the SCADA system.
2. Tamaroa will install equipment to measure the volume of flared natural gas that has an average production of ≥60 Mcfd.
3. Tamaroa's measuring equipment will conform to industry standards.
4. Measurement system will be designed such that it cannot be bypassed except for inspections and servicing the meters.
5. Tamaroa will estimate the volume of vented or flared gas using a methodology that can be independently verified if metering is not practicable due to low flow rate or pressure.
6. Tamaroa will estimate the volume of vented and flared gas based on the results of an annual GOR test for wells that do not require measuring equipment reported on form C-116.
7. Tamaroa will install measuring equipment whenever the NMOCD determines that metering is necessary.
8.

VIII. Best Management Practices

Tamaroa Operating, LLC will minimize venting during maintenance by:

1. System will be designed and operated to route storage tank and process equipment emissions to the VRU. If the VRU is not operable, then vapors will be routed to the flare.
2. Scheduling maintenance for multiple tasks to minimize the need for blowdowns.
3. After completion of maintenance, gas will be flared until it meets pipeline specifications.

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General Information
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Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: Tamaroa Operating, LLC PO Box 866937 Plano, TX 750866937	OGRID: 328666
	Action Number: 534686
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Each pool requires an administrative order for non-standard spacing unit prior to production.	1/12/2026
matthew.gomez	If cement does not circulate to surface on any string, a Cement Bond Log (CBL) is required for that string of casing. If a CBL is unable to indicate sufficient cement coverage due to a lighter cement, a USI log may also be required. If strata isolation is not achieved, remediation will be required before further operations may commence.	1/12/2026
matthew.gomez	All conducted logs must be submitted to the OCD.	1/12/2026
matthew.gomez	Cement must be in place for at least eight hours and achieve a minimum compressive strength of 500 PSI before performing any further operations on the well.	1/12/2026
matthew.gomez	No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.	1/12/2026
matthew.gomez	Prior to production of this well a down hole commingle must be approved.	1/12/2026
matthew.gomez	A C-104 completion packet must be submitted for each pool.	1/12/2026
matthew.gomez	All previous COA's still apply.	1/12/2026