

**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 304353

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

1. Operator Name and Address Tascosa Energy Partners, L.L.C 901 W. Missouri Ave Midland, TX 79701		2. OGRID Number 329748
		3. API Number 30-015-49125
4. Property Code 331801	5. Property Name Catalina 25 30 State Com	6. Well No. 003H

**7. Surface Location**

UL - Lot M	Section 25	Township 20S	Range 26E	Lot Idn	Feet From 1295	N/S Line S	Feet From 250	E/W Line W	County Eddy
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**8. Proposed Bottom Hole Location**

UL - Lot P	Section 30	Township 20S	Range 27E	Lot Idn P	Feet From 663	N/S Line S	Feet From 100	E/W Line E	County Eddy
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**9. Pool Information**

AVALON; BONE SPRING	96381
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3288
16. Multiple N	17. Proposed Depth 17918	18. Formation 3rd Bone Spring Sand	19. Contractor	20. Spud Date 3/1/2022
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	500	630	0
Int1	12.25	9.625	36	2500	988	0
Prod	8.5	5.5	20	17918	2209	0
Prod	8.75	5.5	20	8146	1153	0

**Casing/Cement Program: Additional Comments**

We will change production hole sizes from 8.75" to 8.5" after landing the lateral.
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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	CTI
Pipe	5000	5000	CTI
Blind	5000	5000	CTI

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 <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.		<b>OIL CONSERVATION DIVISION</b>	
Signature:			
Printed Name:	Electronically filed by Kelly M Hardy	Approved By:	Katherine Pickford
Title:	Land Manager	Title:	Geoscientist
Email Address:	khardy@tascosaep.com	Approved Date:	11/30/2021
Date:	11/22/2021	Phone:	432-695-6970
		Expiration Date:	11/30/2023
		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, NM 87505

**FORM C-102**

Revised August 1, 2011

**Submit one copy to appropriate**

**District Office**

☐ **AMENDED REPORT**

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number	<sup>2</sup> Pool Code 96381	<sup>3</sup> Pool Name Avalon;Bone Spring
<sup>4</sup> Property Code 331801	<sup>5</sup> Property Name CATALINA 2530 STATE COM	
<sup>7</sup> OGRID No. 329748	<sup>8</sup> Operator Name TASCOSA ENERGY PARTNERS, LLC.	<sup>6</sup> Well Number 3H  <sup>9</sup> Elevation 3288'

## <sup>10</sup>Surface Location

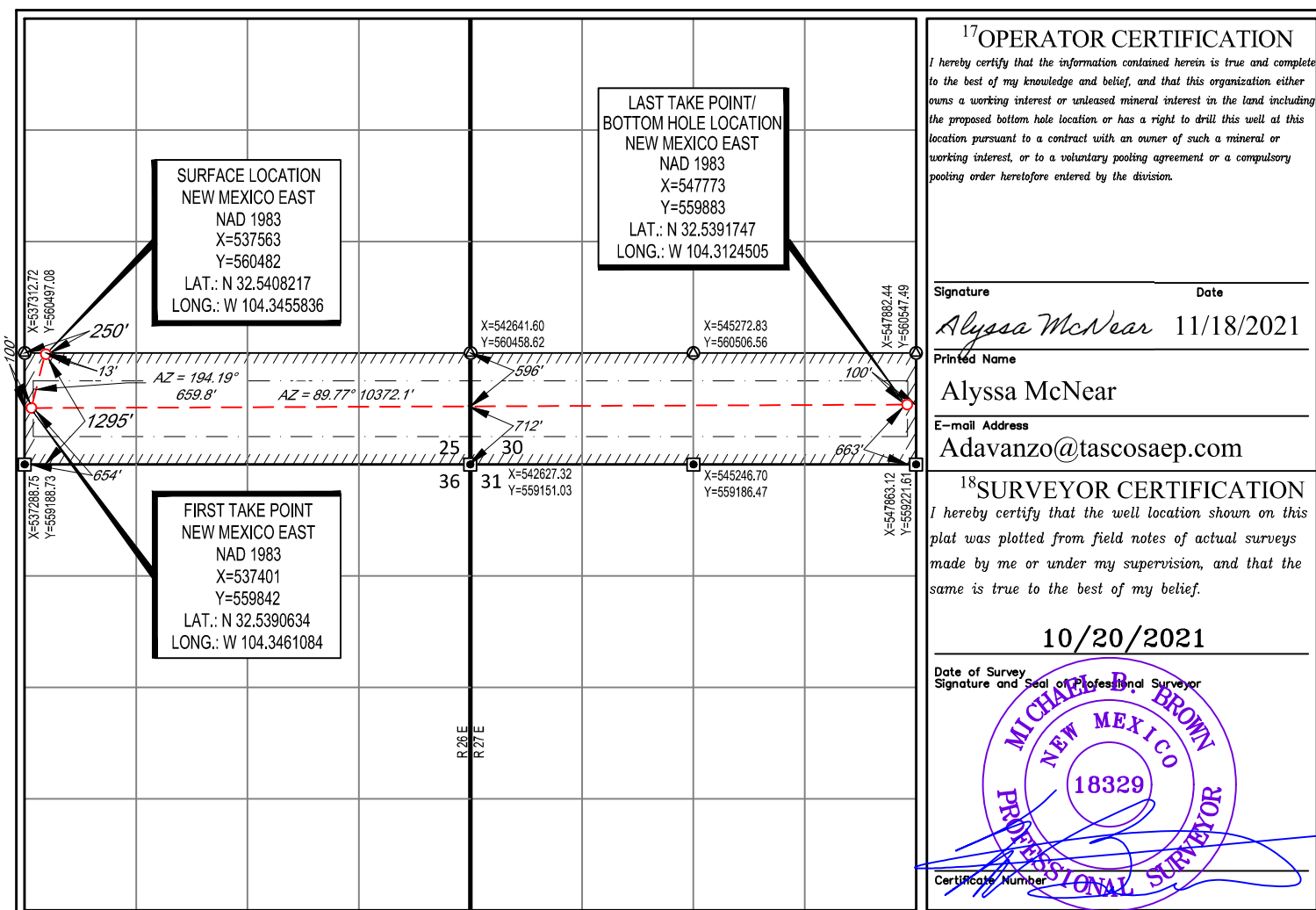
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>M</b>	<b>25</b>	<b>20-S</b>	<b>26-E</b>	<b>-</b>	<b>1295'</b>	<b>SOUTH</b>	<b>250'</b>	<b>WEST</b>	<b>EDDY</b>

<sup>11</sup>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
P	30	20-S	27-E	—	663'	SOUTH	100'	EAST	EDDY

<sup>12</sup> Dedicated Acres <b>317.35</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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.



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**Energy, Minerals and Natural Resources**  
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**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form APD Comments

Permit 304353

**PERMIT COMMENTS**

Operator Name and Address: Tascosa Energy Partners, L.L.C [329748] 901 W. Missouri Ave Midland, TX 79701	API Number: 30-015-49125
	Well: Catalina 25 30 State Com #003H

Created By	Comment	Comment Date
a.davanzo	Tascosa does not expect to encounter H2S, therefore a H2S is not necessary.	11/18/2021
a.davanzo	*typo - a H2S contingency plan is not necessary.	11/22/2021

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

Form APD Conditions

Permit 304353

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: Tascosa Energy Partners, L.L.C [329748] 901 W. Missouri Ave Midland, TX 79701	API Number: 30-015-49125
	Well: Catalina 25 30 State Com #003H

OCD Reviewer	Condition
kpickford	Notify OCD 24 hours prior to casing & cement
kpickford	Will require a File As Drilled C-102 and a Directional Survey with the C-104
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
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	Cement is required to circulate on both surface and intermediate1 strings of casing
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

API #			
Operator Name:	Property Name:	Well Number	

## Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

### First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

**Last Take Point (LTP)**

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit?

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #			
Operator Name:	Property Name:	Well Number	

### Estimated Formation Tops

[illegible]

Catatlina 2530 State Com # 3 Directional

MITCHELL ENGINEERING PROGRAMS

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**LONG's METHOD OF SURVEY COMPUTATION****OBLIQUE CIRCULAR ARC INTERPOLATION**

	MD OF INTERPOLATION DEPTH,(feet)
#N/A	TVD COORDINATE OF THE DEPTH (feet)
#N/A	N/S COORDINATE OF DEPTH (feet)
#N/A	E/W COORDINATE OF DEPTH (feet)

**DISTANCE TABLE**

STATION A	STATION B
0.00	ft

3 D DISTANCE BETWEEN STATION A AND STATION B

**TABLE OF SURVEY STATIONS**

Calculator =

STA #	ΔMD ft	INCL deg	AZIM deg	MD ft	TVD ft	N+/S- ft	E+/W- ft	DLS deg/100FT
1	TIE POINT =>	0	0	2500.00	2500.00	0.00	0.00	-
2	100	3	199	2600.00	2599.95	-2.47	-0.85	3.00
3	100	6	199	2700.00	2699.63	-9.89	-3.41	3.00
4	100	9	199	2800.00	2798.77	-22.23	-7.66	3.00
5	100	10.2	199	2900.00	2897.37	-38.00	-13.08	1.20
6	100	10.2	199	3000.00	2995.79	-54.74	-18.85	0.00
7	100	10.2	199	3100.00	3094.20	-71.49	-24.62	0.00
8	100	10.2	199	3200.00	3192.62	-88.23	-30.38	0.00
9	100	10.2	199	3300.00	3291.04	-104.98	-36.15	0.00
10	100	10.2	199	3400.00	3389.46	-121.72	-41.91	0.00
11	100	10.2	199	3500.00	3487.88	-138.46	-47.68	0.00
12	100	10.2	199	3600.00	3586.30	-155.21	-53.44	0.00
13	100	10.2	199	3700.00	3684.72	-171.95	-59.21	0.00
14	100	10.2	199	3800.00	3783.14	-188.69	-64.97	0.00
15	100	10.2	199	3900.00	3881.56	-205.44	-70.74	0.00
16	100	10.2	199	4000.00	3979.98	-222.18	-76.50	0.00
17	100	10.2	199	4100.00	4078.40	-238.92	-82.27	0.00
18	100	10.2	199	4200.00	4176.82	-255.67	-88.03	0.00
19	100	10.2	199	4300.00	4275.24	-272.41	-93.80	0.00
20	100	10.2	199	4400.00	4373.66	-289.16	-99.56	0.00
21	100	10.2	199	4500.00	4472.08	-305.90	-105.33	0.00
22	100	10.2	199	4600.00	4570.50	-322.64	-111.09	0.00
23	100	10.2	199	4700.00	4668.92	-339.39	-116.86	0.00
24	100	10.2	199	4800.00	4767.34	-356.13	-122.63	0.00
25	100	10.2	199	4900.00	4865.76	-372.87	-128.39	0.00
26	100	10.2	199	5000.00	4964.18	-389.62	-134.16	0.00
27	100	10.2	199	5100.00	5062.60	-406.36	-139.92	0.00
28	100	10.2	199	5200.00	5161.02	-423.11	-145.69	0.00
29	100	10.2	199	5300.00	5259.44	-439.85	-151.45	0.00
30	100	10.2	199	5400.00	5357.85	-456.59	-157.22	0.00
31	100	10.2	199	5500.00	5456.27	-473.34	-162.98	0.00
32	100	10.2	199	5600.00	5554.69	-490.08	-168.75	0.00
33	100	10.2	199	5700.00	5653.11	-506.82	-174.51	0.00
34	500	10.2	199	6200.00	6145.21	-590.54	-203.34	0.00
35	100	9	199	6300.00	6243.81	-606.31	-208.77	1.20
36	100	6	199	6400.00	6342.94	-618.65	-213.02	3.00
37	100	3	0	6500.00	6442.80	-620.98	-214.72	8.89
38	100	0	0	6600.00	6542.75	-618.36	-214.72	3.00
39	546	0	0	7146.00	7088.75	-618.36	-214.72	0.00
40	100	10	91.8	7246.00	7188.25	-618.64	-206.02	10.00
41	100	20	91.8	7346.00	7284.72	-619.45	-180.19	10.00
42	100	30	91.8	7446.00	7375.23	-620.77	-138.00	10.00
43	100	40	91.8	7546.00	7457.04	-622.57	-80.74	10.00
44	100	50	91.8	7646.00	7527.67	-624.79	-10.16	10.00
45	100	60	91.8	7746.00	7584.95	-627.36	71.61	10.00

Catatlina 2530 State Com # 3 Directional

MITCHELL ENGINEERING PROGRAMS

STA #	ΔMD ft	INCL deg	AZIM deg	MD ft	TVD ft	N+/S- ft	E+/W- ft	DLS deg/100FT
46	100	70	91.8	7846.00	7627.16	-630.20	162.09	10.00
47	100	80	91.8	7946.00	7653.01	-633.23	258.51	10.00
48	100	88.975	91.8	8046.00	7662.60	-636.36	357.89	8.98
49	100	88.975	91.8	8146.00	7664.39	-639.50	457.83	0.00
50	100	88.975	91.8	8246.00	7666.18	-642.64	557.76	0.00
51	100	88.975	91.8	8346.00	7667.97	-645.78	657.70	0.00
52	9572	88.975	91.8	17918.00	7839.20	-946.40	10223.44	0.00

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:** Tascosa Energy Partners, LLC **OGRID:** 329748 **Date:** 11 /18/2021

**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: \_\_\_\_\_

**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
Catalina 25 30 State Com #3H		M S25, 20S, 26E	1295 FSL 250 FWL	1100	2900	1700

**IV. Central Delivery Point Name:** Tascosa Section 30 [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
Catalina 25 30 State Com #3H		3/1/2022	4/1/2022	5/1/2022	5/15/2022	5/15/2022

**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: <i>Alyssa McNear</i>
Printed Name: Alyssa McNear
Title: Engineering Manager
E-mail Address: adavanzo@tascosaep.com
Date: 11/18/2021
Phone: 432-695-6970
<b>OIL CONSERVATION DIVISION</b> <b>(Only applicable when submitted as a standalone form)</b>
Approved By:
Title:
Approval Date:
Conditions of Approval:



## **Catalina 25 30 State Com #3 – Natural Gas Management Plan**

### **VI. Separation Equipment:**

Tascosa has sized a FWKO and a high pressure, 3-phase separator to allow for complete separation at our anticipated rates, with adequate retention times. Tank vapors will also be captured through a vapor recovery unit and sent to the Enterprise sales line through a compressor on location.

### **VII. Operational Practices:**

- a. Drilling Operations – Tascosa will ensure that a flare stack is set at least 100' from the wellbore during drilling operations. This flare stack will be properly sized to handle the maximum expected release, ensuring that all natural gas produced during drilling operations can be flared (unless there is an equipment malfunction or if venting is necessary for safety reasons).
- b. Completion Operations – Prior to flowback, Tascosa will ensure that the well is connected to a gathering system that can handle the expected gas volumes. During flowback, natural gas will be separated and flared until it is within the specs of the contracted gathering system (Enterprise).
- c. Production Operations – Tascosa will conduct weekly AVO inspections and tackle equipment failures with haste. The emergency flare on location will be equipped with an auto-ignition, capable of handling the maximum expected release. Sight glasses will be installed on all tanks to eliminate gas releases due to gauging through thief hatches. A VRU will also be installed to capture tank vapors and reduce waste. In preparation of a VRU failure or planned maintenance, a backup combustor will be placed at the facility.
- d. Performance Standards –
  - a. Tascosa will design completion and production equipment for maximum expected output and pressure to eliminate venting.
  - b. A properly sized flare stack will be placed at the facility with an automatic ignitor.
  - c. AVO inspections will be conducted at least once a week to prevent releases due to equipment failure. These inspections will be recorded for future review.
  - d. Tascosa is obligated to eliminate waste and will repair equipment failures as soon as possible.
- e. Measurement and Estimation – A meter will be placed on the combustor and the flare stack to ensure combusted gas readings are accurate during a release event. If for any reason a meter reading is unavailable, released volumes will be estimated and reported.



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

Tascosa will aim to conduct surface maintenance without venting or flaring as much as possible. If planned maintenance is prolonged due to wait times for labor and equipment, Tascosa will shut in the producing well to prevent excess emissions. Tascosa will also minimized venting during downhole operations.