#### STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

#### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO

CASE NO. 23303

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#### Compulsory Pooling Checklist

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A-2	C-102s
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A-4	Letters of Support for Proposed Development
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Exhibit B	Self-Affirmed Statement of Andrew Fletcher
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B-2	Location Map
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B-4	Cross-Section Map
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Exhibit C	Self Affirmed Statement of Dana S. Hardy
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# COMPULSORY POOLING APPLICATION CHECKLIST

#### ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

23303	APPLICANT'S RESPONSE
Date	April 6, 2023
Applicant	COG Operating LLC
	OGRID No. 229137
Designated Operator & OGRID (affiliation if applicable)	
Applicant's Counsel: Case Title:	Hinkle Shanor LLP Application of COG Operating LLC for Compulsory Pooling, Eddy
	County, New Mexico
Entries of Appearance/Intervenors:	Chevron U.S.A. Inc.
Well Family	Flaming Snail
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Wolfcamp
Pool Name and Pool Code:	Purple Sage; Wolfcamp Pool (Code 98220)
Well Location Setback Rules:	Statewide
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	1,920
Building Blocks:	320-acre
Orientation:	North/South
Description: TRS/County	Sections 28 and 33 of Township 25 South, Range 27 East, and
	Section 4 of Township 26 South, Range 27 East, Eddy County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe <u>and is</u> approval of non-standard unit requested in this application?	Yes.
approval of non-standard unit requested in this application?	
Other Situations	
Depth Severance: Y/N. If yes, description	No.
Proximity Tracts: If yes, description	No.
Proximity Defining Well: if yes, description	N/A
Applicant's Ownership in Each Tract	Exhibit A-3
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages,	Add wells as needed
completion target, orientation, completion status (standard or non-	
standard) Well #1	Flaming Snail Fed Com 701H (API #)
	SHL: 655' FNL & 915' FEL (Unit A), Section 28, T25S, R27E
	BHL: 200' FSL & 330' FEL (Unit P), Section 4, T26S, R27E
	Completion Target: Wolfcamp Formation (Approx. 8,925' TVD)
	Flaming Snail Fed Com 702H (API #)
	SHL: 655' FNL & 945' FEL (Unit A), Section 28, T25S, R27E
	BHL: 200' FSL & 815' FEL (Unit P), Section 4, T26S, R27E
	Completion Target: Wolfcamp Formation (Approx. 8,925' TVD)
	Flaming Snail Fed Com 703H (API #)
	SHL: 655' FNL & 975' FEL (Unit A), Section 28, T25S, R27E BHL: 200' FSL & 1300' FEL (Unit P), Section 4, T26S, R27E
	Completion Target: Wolfcamp Formation (Approx. 8,925' TVD)
	Flaming Snail Fed Com 704H (API #)
	SHL: 655' FNL & 1005' FEL (Unit A), Section 28, T25S, R27E
	BHL: 200' FSL & 1785' FEL (Unit O), Section 4, T26S, R27E
	Completion Target: Wolfcamp Formation (Approx. 8,925' TVD)
Released to Imaging: 3/31/2023 10:25:48 AM	

Peceived by OCD: 3/30/2023 4:52:47 PM	Flaming Snail Fed Com 705H (API #)
	SHL: 655' FNL & 1035' FEL (Unit A), Section 28, T25S, R27E
	BHL: 200' FSL & 2270' FEL (Unit O), Section 4, T26S, R27E
	Completion Target: Wolfcamp Formation (Approx. 8,925' TVD)
	Flaming Snail Fed Com 706H (API #)
	SHL: 705' FNL & 1775' FWL (Unit C), Section 28, T25S, R27E
	BHL: 200' FSL & 2490' FWL (Unit N), Section 4, T26S, R27E
	Completion Target: Wolfcamp Formation (Approx. 8,925' TVD)
	Flaming Snail Fed Com 707H (API #)
	SHL: 705' FNL & 1745' FWL (Unit C), Section 28, T25S, R27E
	BHL: 200' FSL & 2005' FWL (Unit M), Section 4, T26S, R27E Completion Target: Wolfcamp Formation (Approx. 8,925' TVD)
	Flaming Snail Fed Com 708H (API #)
	SHL: 705' FNL & 1715' FWL (Unit C), Section 28, T25S, R27E
	BHL: 200' FSL & 1520' FWL (Unit N), Section 4, T26S, R27E Completion Target: Wolfcamp Formation (Approx. 8,925' TVD)
	Flaming Snail Fed Com 709H (API #)
	SHL: 705' FNL & 1685' FWL (Unit C), Section 28, T25S, R27E
	BHL: 200' FSL & 1035' FWL (Unit M), Section 4, T26S, R27E
	Completion Target: Wolfcamp Formation (Approx. 8,925' TVD)
	Flaming Snail Fed Com 710H (API #)
	SHL: 705' FNL & 1655' FWL (Unit C), Section 28, T255, R27E
	BHL: 200' FSL & 550' FWL (Unit M), Section 4, T26S, R27E Completion Target: Bone Spring Formation (Approx. 8,925' TVD)
	Flaming Snail Fed Com 801H (API #)
	SHL: 505' FNL & 975' FEL (Unit A), Section 28, T25S, R27E
	BHL: 200' FSL & 330' FEL (Unit P), Section 4, T26S, R27E
	Completion Target: Wolfcamp Formation (Approx. 9,775' TVD)
	Flaming Snail Fed Com 802H (API #)
	SHL: 505' FNL & 1005' FEL (Unit A), Section 28, T25S, R27E BHL: 200' FSL & 1210' FEL (Unit P), Section 4, T26S, R27E
	Completion Target: Wolfcamp Formation (Approx. 9,775' TVD)
	Flaming Snail Fed Com 803H (API #)
	SHL: 505' FNL & 1035' FEL (Unit A), Section 28, T25S, R27E
	BHL: 200' FSL & 2090' FEL (Unit O), Section 4, T26S, R27E Completion Target: Wolfcamp Formation (Approx. 9,775' TVD)
	Flaming Snail Fed Com 804H (API #)
	SHL: 555' FNL & 1685' FWL (Unit C), Section 28, T25S, R27E
	BHL: 200' FSL & 1430' FWL (Unit N), Section 4, T26S, R27E Completion Target: Wolfcamp Formation (Approx. 9,775' TVD)
	Flaming Snail Fed Com 805H (API #)
	SHL: 555' FNL & 1685' FWL (Unit C), Section 28, T25S, R27E
	BHL: 200' FSL & 1430' FWL (Unit N), Section 4, T26S, R27E Completion Target: Wolfcamp Formation (Approx. 9,775' TVD)
	Flaming Snail Fed Com 806H (API #)
	SHL: 555' FNL & 1655' FWL (Unit C), Section 28, T25S, R27E BHL: 200' FSL & 550' FWL (Unit M), Section 4, T26S, R27E
	Completion Target: Wolfcamp Formation (Approx. 9,775' TVD)
lorizontal Well First and Last Take Points	Exhibit A-2
ompletion Target (Formation, TVD and MD)	Exhibit A-5
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Drilling Supervision/Month \$	\$8,000.00
Production Supervision/Month \$	\$800.00
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A-1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit C-1, Exhibit C-2, Exhibit C-3
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit C-4
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-3
Tract List (including lease numbers and owners) If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	Exhibit A-3 N/A
Pooled Parties (including ownership type)	Exhibit A-3
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	N/A
Sample Copy of Proposal Letter	Exhibit A-5
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-3
Chronology of Contact with Non-Joined Working Interests	Exhibit A-6
Overhead Rates In Proposal Letter	Exhibit A-5, \$8000/\$800
Cost Estimate to Drill and Complete	Exhibit A-5
Cost Estimate to Equip Well	Exhibit A-5
Cost Estimate for Production Facilities	Exhibit A-5
Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibit B-2
Gunbarrel/Lateral Trajectory Schematic	N/A
Well Orientation (with rationale)	Exhibit B
Target Formation	Exhibit B
HSU Cross Section	Exhibit B-4
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit A-2
Tracts	Exhibit A-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-3
General Location Map (including basin)	Exhibit B-2
Well Bore Location Map	Exhibit B-2
Structure Contour Map - Subsea Depth	Exhibits B-3
Cross Section Location Map (including wells)	Exhibit B-4
Cross Section (including Landing Zone)	Exhibits B-5
Gross Isopach Map	N/A
Additional Information	
Special Provisions/Stipulations	N/A
CERTIFICATION: I hereby certify that the information provided in	
Printed Name (Attorney or Party Representative):	Dana S. Hardy
Signed Name (Attorney or Party Representative):	/s/ Dana S. Hardy
Date:	3/30/2023
Butt.	5/ 50/ 2025

#### STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

## APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

CASE NO. 23303

#### SELF-AFFIRMED STATEMENT OF SHELLEY C. KLINGLER

1. I am a Staff Land Negotiator for COG Operating LLC ("COG"). I am over 18 years of age, have personal knowledge of the matters addressed herein, and am competent to provide this Self-Affirmed Statement. I have previously testified before the New Mexico Oil Conservation Division ("Division") and my credentials as an expert in petroleum land matters were accepted and made a matter of record.

2. I have been directly involved in development of the horizontal spacing units that are the subject of COG's applications, and I am familiar with the objection filed by Chevron U.S.A. Inc. ("Chevron"). Chevron has not filed competing pooling applications or proposed its own development plan for any of the acreage included in COG's proposed horizontal spacing unit.

3. A copy of COG's application and proposed notice is attached as **Exhibit A-1**.

4. COG seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a 1,920-acre, more or less, standard horizontal spacing unit comprised of Sections 28 and 33 of Township 25, South, Range 27 East, and Section 4 of Township 26 South, Range 27 East, Eddy County, New Mexico ("Unit"). The Unit will be dedicated to the following wells ("Wells"):

> Flaming Snail Fed Com 701H, Flaming Snail Fed Com 702H, Flaming Snail Fed Com 703H, Flaming Snail Fed Com 801H, and Flaming Snail Fed Com 802H, to be drilled from a surface hole location in the NE/4 NE/4 (Unit

> > COG Operating LLC Case No. 23303 Exhibit A

A) of Section 28, Township 25 South, Range 27 East, to bottom hole locations in the SE/4 SE/4 (Unit P) of Section 4, Township 26 South, Range 27 East;

- Flaming Snail Fed Com 704H, Flaming Snail Fed Com 705H, and Flaming Snail Fed Com 803H, to be drilled from a surface hole location in the NE/4 NE/4 (Unit A) of Section 28, Township 25 South, Range 27 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 4, Township 26 South, Range 27 East;
- Flaming Snail Fed Com 706H, Flaming Snail Fed Com 707H, Flaming Snail Fed Com 708H, Flaming Snail Fed Com 804H, and Flaming Snail Fed Com 805H, to be drilled from a surface hole location in the NE/4 NW/4 (Unit C) of Section 28, Township 25 South, Range 27 East, to bottom hole locations in the SE/4 SW/4 (Unit N) of Section 4, Township 26 South, Range 27 East; and
- Flaming Snail Fed Com 709H, Flaming Snail Fed Com 710H, and Flaming Snail Fed Com 806H, to be drilled from a surface hole location in the NE/4 NW/4 (Unit C) of Section 28, Township 25 South, Range 27 East, to bottom hole locations in the SW/4 SW/4 (Unit M) of Section 4, Township 26 South, Range 27 East.

5. The proposed Wells will be completed from North to South, and the completed intervals of the Wells will be orthodox.

6. The Wells are located in the Purple Sage; Wolfcamp Pool (Code 98220). With respect to well setback requirements, this pool is subject to the statewide horizontal well rules set

out in NMAC 19.15.16.15. Spacing in this pool is based on 320-acre tracts, and the Unit is constructed based on 320-acre tracts.

7. The completed interval of the Flaming Snail Fed Com 706H well will be located within 330' of the line separating the E/2 and W/2 of Sections 28 and 33, Township 25 South, Range 27 East, and Section 4, Township 26 South, Range 27 East, to allow for the creation of a 1,920-acre standard horizontal spacing unit.

8. The C-102s for the Wells are attached as **Exhibit A-2**.

9. A plat of the tracts included in the Unit and the associated ownership interests is attached as **Exhibit A-3**. Exhibit A-3 also identifies the ownership in each tract, includes a unit recapitulation, and identifies the interests COG seeks to pool highlighted in yellow.

10. COG controls 98.5417% of the working interest in its proposed Unit. COG has an operating agreement with Veritas Permian Resources III LLC ("Veritas"), and both Veritas and Occidental Petroleum have provided letters of support for COG's proposed development. Copies of those letters are attached as **Exhibit A-4.** Section 4 of the proposed Unit is under two leases. In Section 4, COG owns 71.5% of one lease and 91.7% of the second lease. Chevron owns 2.5% of one lease and 6.25% of the second lease. Thus, Chevron owns a 1.4583% interest in COG's proposed Unit.

11. There are no unlocatable interests in that COG believes it located a valid address for each party. To locate the interest owners, I performed internet searches on multiple databases, including Lexis-Nexis Accurint, which is a paid subscription service. COG has conducted a diligent search of all county public records including phone directories and computer databases.

12. COG seeks to develop the entirety of Sections 28, 33, and 4. Allowing COG to develop these three sections is the most prudent way to develop the acreage at issue and will

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prevent waste because COG will have the ability to coordinate development within the Unit and implement operational efficiencies, such as batch drilling and consolidated surface facilities.

13. COG's comprehensive development plan also protects correlative rights and prevents the drilling of unnecessary wells. COG will have the ability to best locate its wells within each spacing unit, and COG's plan to drill three-mile laterals will allow it to efficiently produce the underlying reserves without the setback limitations that would apply if the acreage were developed with shorter laterals.

14. COG's proposal to drill three-mile laterals will also minimize the need for surface facilities. COG plans to complete 22 wells (16 Wolfcamp and 6 Bone Spring), each 3 miles long in Sections 28, 33, and 4, and proposes to drill and operate the wells from one pad in the W/2 and one pad in the E/2 of Section 28. COG's proposal to fully develop two formations underlying three sections from only two well pads will reduce environmental, surface, and economic waste.

15. COG has the ability to timely locate well sites in this area. The BLM has approved COG's Applications for Permits to Drill and will allow COG to surface commingle Bone Spring and Wolfcamp production from the same acreage. This ability allows COG to reduce the number of surface facilities, avoids the need for commingling approvals from the BLM, and reduces costs.

16. COG has contracts in place for the takeaway of gas and water.

17. **Exhibit A-5** includes a sample well proposal letter and AFEs sent to working interest owners in the Wells. The estimated cost of the Wells is fair and reasonable and is comparable to the cost of other wells of similar depth and length drilled in Eddy County.

18. A summary of COG's contacts with the pooled parties is attached as **Exhibit A-6**. In my opinion, COG has made a good faith effort to obtain the voluntary joinder of uncommitted interests in the proposed wells.

19. COG requests overhead and administrative rates of \$8,000 per month while the well is being drilled and \$800 per month while the well is producing. These rates are fair and are comparable to the rates charged by COG and by other operators in the vicinity. They are also the rates set forth in the Joint Operating Agreement for the Unit. COG further requests that the rates be adjusted periodically in accordance with the COPAS Accounting Procedure.

20. COG requests that it be designated the operator of the wells.

21. COG also requests that a 200% risk charge be assessed against the uncommitted interests if they are non-consenting working interest owners.

22. For the reasons set out above, it is my opinion that granting COG's applications would best prevent waste, protect correlative rights, and prevent the drilling of unnecessary wells. COG should be permitted to proceed with its development plan, and Chevron's objections should be rejected.

23. The attached exhibits were either prepared by me or under my supervision or were compiled from company business records.

24. I understand this Self-Affirmed Statement will be used as written testimony in the subject cases. I affirm that my testimony above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

hgler

<u>March 28, 2023</u> Date

#### STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

#### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO

CASE NO. 23303

#### **APPLICATION**

In accordance with NMSA 1978, § 70-2-17, COG Operating LLC ("COG" or "Applicant"), through its undersigned attorneys, files this application with the Oil Conservation Division ("Division") seeking an order pooling all uncommitted interests in the Wolfcamp formation underlying a 1,920-acre, more or less, standard horizontal spacing unit comprised of Sections 28 and 33 of Township 25 South, Range 27 East, and Section 4 of Township 26 South, Range 27 East, Eddy County, New Mexico ("Unit"). In support of this application, COG states the following.

1. Applicant (OGRID No. 229137) is a working interest owner in the Unit and has the right to drill thereon.

- 2. Applicant seeks to dedicate the Unit to the following proposed wells ("Wells"):
- a. Flaming Snail Fed Com 701H, Flaming Snail Fed Com 702H, Flaming Snail
   Fed Com 703H well, Flaming Snail Fed Com 801H well, and Flaming Snail Fed
   Com 802H, to be drilled from a surface hole location in the NE/4 NE/4 (Unit A) of
   Section 28, Township 25 South, Range 27 East, to bottom hole locations in the SE/4
   SE/4 (Unit P) of Section 4, Township 26 South, Range 27 East;
- b. Flaming Snail Fed Com 704H, Flaming Snail Fed Com 705H well, and Flaming Snail Fed Com 803H, to be drilled from a surface hole location in the NE/4 NE/4 (Unit A) of Section 28, Township 25 South, Range 27 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 4, Township 26 South, Range 27 East;

COG Operating LLC Case No. 23303 Exhibit A-1

- c. Flaming Snail Fed Com 706H, Flaming Snail Fed Com 707H, Flaming Snail Fed Com 708H, Flaming Snail Fed Com 804H, and Flaming Snail Fed Com 805H, to be drilled from a surface hole location in the NE/4 NW/4 (Unit C) of Section 28, Township 25 South, Range 27 East, to bottom hole locations in the SE/4 SW/4 (Unit N) of Section 4, Township 26 South, Range 27 East; and
  - d. Flaming Snail Fed Com 709H, Flaming Snail Fed Com 710H, and Flaming Snail Fed Com 806H, to be drilled from a surface hole location in the NE/4 NW/4 (Unit C) of Section 28, Township 25 South, Range 27 East, to bottom hole locations in the SW/4 SW/4 (Unit M) of Section 4, Township 26 South, Range 27 East.
- 3. The completed intervals of the Wells will be orthodox.

4. The completed interval of the Flaming Snail Fed Com 706H well will be located within 330' of the quarter-quarter section line separating the E/2 and W/2 of Sections 28 and 33, Township 25 South, Range 27 East, and Section 4, Township 26 South, Range 27 East, to allow for the creation of a 1,920-acre standard horizontal spacing unit.

5. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all of the interest owners in the Unit.

6. The pooling of interests will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

7. Approval of a horizontal spacing unit is necessary to prevent waste and protect correlative rights.

8. In order to permit Applicant to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted interests in the Unit should be pooled and Applicant should be designated the operator of the proposed horizontal wells and the Unit. WHEREFORE, Applicant requests that this application be set for hearing before an

Examiner of the Oil Conservation Division on February 2, 2023, and, after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted interests in the Unit;
- B. Approving the initial wells in the Unit;
- C. Designating Applicant as the operator of the Unit and the horizontal wells to be drilled thereon;
- D. Authorizing Applicant to recover its costs of drilling, equipping, and completing the wells;
- E. Approving the actual operating charges and costs of supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- F. Imposing a 200% charge for the risk assumed by Applicant in drilling and completing the wells against any working interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

#### HINKLE SHANOR LLP

<u>/s/ Dana S. Hardy</u> Dana S. Hardy Jaclyn M. McLean P.O. Box 2068 Santa Fe, NM 87504-2068 Phone: (505) 982-4554 Facsimile: (505) 98208623 dhardy@hinklelawfirm.com jmclean@hinklelawfirm.com *Counsel for COG Operating LLC* 

Application of COG Operating LLC for Compulsory Pooling, Eddy County, New Mexico. COG Operating LLC ("Applicant") seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a 1,920-acre, more or less, standard horizontal spacing unit comprised of Sections 28 and 33 of Township 25 South, Range 27 East, and Section 4 of Township 26 South, Range 27 East, Eddy County, New Mexico ("Unit"). Applicant seeks to dedicate the Unit to the following proposed wells ("Wells"): the Flaming Snail Fed Com 701H, Flaming Snail Fed Com 702H, Flaming Snail Fed Com 703H, Flaming Snail Fed Com 801H, and Flaming Snail Fed Com 802H, to be drilled from a surface hole location in the NE/4 NE/4 (Unit A) of Section 28, Township 25 South, Range 27 East, to bottom hole locations in the SE/4 SE/4 (Unit P) of Section 4, Township 26 South, Range 27 East; the Flaming Snail Fed Com 704H, Flaming Snail Fed Com 705H, and Flaming Snail Fed Com 803H, to be drilled from a surface hole location in the NE/4 NE/4 (Unit A) of Section 28, Township 25 South, Range 27 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 4, Township 26 South, Range 27 East; the Flaming Snail Fed Com 706H, Flaming Snail Fed Com 707H, Flaming Snail Fed Com 708H, Flaming Snail Fed Com 804H, and Flaming Snail Fed Com 805H, to be drilled from a surface hole location in the NE/4 NW/4 (Unit C) of Section 28, Township 25 South, Range 27 East, to bottom hole locations in the SE/4 SW/4 (Unit N) of Section 4, Township 26 South, Range 27 East; and the Flaming Snail Fed Com 709H, Flaming Snail Fed Com 710H, and Flaming Snail Fed Com 806H, to be drilled from a surface hole location in the NE/4 NW/4 (Unit C) of Section 28, Township 25 South, Range 27 East, to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 4, Township 26 South, Range 27 East. The completed intervals of the Wells will be orthodox. The completed interval of the Flaming Snail Fed Com 706H well will be located within 330' of the quarter-quarter section line separating the E/2 and W/2 of Sections 28 and 33, Township 25 South, Range 27 East, and Section 4, Township 26 South, Range 27 East, to allow for the creation of a 1,920-acre standard horizontal spacing unit. Also to be considered will be the cost of drilling and completing the wells and the allocation of the costs, the designation of Applicant as the operator of the Wells, and a 200% charge for the risk involved in drilling and completing the Wells. The Wells are located approximately 22 miles south of Carlsbad, New Mexico.

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## COG Operating LLC Page 14 of 92

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A.W

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W.O. #22-485

Case No. 23303

Exhibit A-2

State of New Mexico

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) 476-3460 Fax: (505) 476-3482

DISTRICT I

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 Pool Code Pool Name **Purple Sage: Wolfcamp** 98220 Property Name Well Number **Property** Code FLAMING SNAIL FEDERAL COM 806H OGRID No. **Operator** Name Elevation COG OPERATING, LLC 3150.7 Surface Location UL or lot No. Section Lot Idn Feet from the North/South line Feet from the East/West line Township Range County С 28 25-S 27-E 555 NORTH 1655 WEST EDDY 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 27-E М 4 26 - S200 SOUTH 550 WEST FDDY **Dedicated** Acres 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 11 555' Ψ1 OPERATOR CERTIFICATION S.L 1655 I hereby certify that the information 330' FNL & 550' FWL 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. NAD 27 NME SURFACE LOCATION Y=402527.5 N Y=402732.9 N X=540901.5 E LAT.=32.107160\* N X=542007.1 E LONG.=104.201237\* W LAT.=32.106592° N <u>GRID AZ. TO FTP</u> 280\*31'38" 10 LONG.=104.197667° W LEASE X-ING POINT LEGEND AT.=32.093497\* Ν Y=403099.9 N LONG.=104.201399\* W 1 Signature Date  $\begin{array}{c} X = 582983.7 & E \\ Y = 397808.2 & N \\ X = 543036.0 & E \\ Y = 392453.4 & N \end{array}$ 2 SECTION 28 SECTION 33 2 Printed Name  $\frac{33}{5.7}$ 3 X=542914.5 E -<u>30</u> Y=387102.0 N X=542858.0 E 4 180 E-mail Address Y=387122.1 N T 5 IST. X=540212.7 E SURVEYOR CERTIFICATION 8 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. Y=389785.7 N 6  $\frac{X=540236.2}{Y=392450.0}$ E Ϋ́Ι N HORZ. 7 GRID X=540258.7 E Y=395101.3 N 8 X=540313.5 E LEASE X-ING MAY 3, 2022 AT.=32.078894\* Ν Y=397752.3 9 LONG.=104.201573° W X=540366.6 E Date of Survey Y = 400402.5N 10 Signature & Seal of Professional Surveyor 3 7⊕ SECTION 33 X=540358.6 E SECTION 4 Y=403053.2 N CHAD L. HARCRO 11

X=540350.5 E

NAD 27 NME

PROPOSED BOTTOM

HOLE LOCATION Y=387317.9 N

X=540764.4 E

LAT.=32.064784° N

LONG.=104.201740 W

LAT.=32.065141° N LONG.=104.201736° W 550 В.Н. 4200' 5 4

6

Released to Imaging: 3/31/2023 10:25:48 AM

I FASE X-ING LAT.=32.071555° N LONG.=104.201660°

<u>LTP</u> 330' FSL & 550' FWL Y=387447.9 N

X=540765.6 E

W

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DISTRICT I 625 N. FRENCH DR., hone: (375) 393-6161 H DISTRICT II 11 S. FIRST ST., A hone: (575) 748-1283 DISTRICT III 000 RIO BRAZOS R hone: (505) 334-617	ARTESIA, NM Fax: (575) 74 D., AZTEC, N	88210 8-9720	DIL C	ON 1220	ISI ) sc	ERVATIONUTH ST. F	Resources De ON DIVIS RANCIS DR. xico 87505	SION	Revised Au ubmit one copy t	Form C–10 ugust 1, 20: o appropria .ct Offic
DISTRICT IV 220 S. ST. FRANCIS D hone: (505) 476–346	DR., SANTA FE, 30 Fax: (505)	NM 87505 476-3462							□ AMEND	ED REPOR
API	Number			CAT Pool C		AND ACREA	AGE DEDICATI	ON PLAT Pool Name		
Property (	-ode					Property Nan	0.0		Well Nun	her
Troperty c	Joue			FLAM	MING	• •	DERAL COM		805	
OGRID No	).				C00	<sup>Operator Nam</sup> G OPERATIN			Elevation 3150	
		1				Surface Loc	ation			
UL or lot No.	Section	Township	Range	Lot	Idn	Feet from the	North/South line	Feet from the	East/West line	County
С	28	25-S	27-E			555	NORTH	1685	WEST	EDDY
UL or lot No.	Section	Township	Bottom Range	Hole		Feet from the	erent From Sur	face Feet from the	East/West line	County
N	4	26-S	27-F	Lot	lan	200	SOUTH	1430	WEST	EDDY
Dedicated Acres 1,920	Joint o	r Infill C	onsolidation	Code	Ore	ler No.				
LAT.=3	1430' FWL 48.5 N 781.4 E 07200' N 198395' W <u>TO FTP</u>	10	;85'    <sup>°</sup> s.∟. - + <del>  -</del> -   	<u> </u>   		<u>SUF</u> Y LAT. LONG	VAD 27 NME REACE LOCATION =402528.0 N =542037.1 E =32.106593* N .=104.197570* W OINT LEGEND Y=403099.9 N	herein is true a my knowledge a organization eith or unleased min including the pu or has a right t location pursuan owner of such n or to a voluntan	pertify that the inf nond complete to the nond belief, and that her owns a working erral interest in the roposed bottom ho. to drill this well a to a contract w nineral or working y pooling agreeme ing order heretofo. Da	e best of t this y interest le location t this ith an interest, nt or a re entered
LAT.=32	E X—ING <u>.089881* N</u> 14.198601* W			<b>₽</b> 		TTON 33 2 3 4	X=582983.7 E Y=397808.2 N X=543036.0 E Y=392453.4 N X=542914.5 E Y=387102.0 N	Printed Name		
		8	$\frac{1}{10000000000000000000000000000000000$	   	 	5 6 7	X=542656.0 E Y=387122.1 N X=540212.7 E Y=389785.7 N X=540236.2 E Y=392450.0 N X=540258.7 E Y=395101.3 N	I hereby c shown on this p notes of actual under my super	R CERTIFICAT sertify that the we blat was plotted fro surveys made by 1 vision, and that th t to the best of m	ll location om field ne or e same is
LAT.=32	SE X—ING <u>2.078894* N</u> 04.198732* W	70		+   		0         9           10         10           TTON 4         11	X=540313.5 E Y=397752.3 N X=540366.6 E Y=400402.5 N X=540358.6 E Y=403053.2 N X=540350.5 E	Da	A 18, 2022 Ate of Survey al of Professiona L. HARCROM	l Surveyor
_LAT.=3	-1430'FWL — 41.2 N 45.6 E 55120'N	6 1430, 5	- <u>  </u> -    - <u>  </u> В.Н. <u>2</u> 00'4	     		<u>PRO</u> H( Y: X: LAT.	VAD 27 NME <u>POSED BOTTOM</u> <u>DLE LOCATION</u> =387311.2 N =541644.4 E =32.064763* N =104.198900* W	LICENSED	0/FESSIONAL 0/FES	2012 2/8/22 17777





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11 S. FIRST ST., A hone: (575) 748-1283 DISTRICT III 000 RIO BRAZOS R hone: (505) 334-617	HOBBS, NM 88 Fax: (575) 393-0 ARTESIA, NM 3 Fax: (575) 74 RD., AZTEC, N 78 Fax: (505)	88210 88-9720	DIL C	ON 1220	SERV SOUTH	ATIC ST. F	Resources De DN DIVIS RANCIS DR. xico 87505	SION	Revised Au Submit one copy t	orm C-10 agust 1, 20 o appropria ct Offic
DISTRICT IV 220 S. ST. FRANCIS D hone: (505) 476–346	)R., SANTA FE, 60 Fax: (505)	NM 87505 476-3462	WELL LC	CATIO	)N AND	ACREA	AGE DEDICATIO	ON PLAT		ED REPOR
API	Number			Pool Cod			Purple Sage; W	Pool Name		
Property (	Code			20	Pro	perty Nam	1 8 /	oncamp	Well Nun	ıber
				FLAM			DERAL COM		709	
OGRID No	).			(	оре СОС ОРІ	rator Nam ERATIN			Elevation 3154	
					Surfa	ace Loca	ation			
UL or lot No.	Section	Township	Range	Lot Id	n Feetfi	rom the	North/South line	Feet from the	East/West line	County
С	28	25-S	27-E		7	05	NORTH	1685	WEST	EDDY
,			Bottom				erent From Surf			
UL or lot No.	Section 4	Township 26-S	Range 27–E	Lot Id		rom the	North/South line SOUTH	Feet from the 1035	<b>East/West line</b> WEST	County EDDY
Dedicated Acres	'		$27 - \Box$	Code	∠ Order No.	00	30011	1055	WEST	
1,920		-								
LONG.=104. <u>GRID AZ.</u> 299*10	<u>TO FTP</u> 0'34"	10	-   <del>  _</del> _     _	↓   			4T.=32.106181°N NG.=104.197570°W	location pursua owner of such or to a volunta	to drill this well as ant to a contract w mineral or working ary pooling agreeme oling order heretofor	th an interest, nt or a
_LAT.=3.	SE X—ING <u>2.093523* N</u> 04.199833* W	,		 	SECTION 28 SECTION 33	1 2	OINT LEGEND Y=403099.9 N X=582983.7 E Y=397808.2 N X=543036.0 E	Signature	Da	te
			- <u>- 32</u> "	। ┿─────		3	Y=392453.4 N <u>X=542914.5 E</u> Y=387102.0 N	Printed Nam	e	
			80°30'. 1542			5	X=542858.0 E			
					1		Y=387122.1 N X=540212.7 E	E-mail Addres		ION
		8		<u>├</u>	+ $$	6	X=540212.7 E Y=389785.7 N X=540236.2 E	SURVEYC I hereby shown on this	<b>R CERTIFICAT</b> certify that the wei plat was plotted fro	l location m field
		8	AZ			6 7	X=540212.7 E Y=389785.7 N X=540236.2 E Y=392450.0 N X=540258.7 E	SURVEYC I hereby shown on this notes of actual under my supe	R CERTIFICAT	l location m field ne or e same is
LAT.=3.	SE X-ING 2.078894* N				+	6 7 8 9	X=540212.7 E Y=380785.7 N X=540236.2 E Y=392450.0 N X=540258.7 E Y=395101.3 N X=540313.5 E Y=397752.3 N	SURVEYO I hereby shown on this notes of actual under my supe true and correc MA	PR CERTIFICAT certify that the wel plat was plotted fro surveys made by p rvision, and that th ct to the best of m Y 18, 2022	l location m field ne or e same is
LAT.=3.			AZ		SECTION 33	6 7 8 9 10	$\begin{array}{c} \underline{X=540212.7 \ E} \\ \underline{Y=380785.7 \ N} \\ \underline{X=540236.2 \ E} \\ \underline{Y=392450.0 \ N} \\ \underline{X=540258.7 \ E} \\ \underline{Y=395101.3 \ N} \\ \underline{X=540313.5 \ E} \\ \underline{Y=397752.3 \ N} \\ \underline{X=540366.6 \ E} \\ \underline{Y=400402.5 \ N} \\ \underline{X=540358.6 \ E} \\ \underline{X=540358.6 \ E} \\ \underline{Y=540358.6 \ E} \\ \underline{X=540358.6 \ E} \\ \underline{X=54058.6 \ E} \\ X=54$	SURVEYO I hereby shown on this notes of actua under my supe true and correc MA	OR CERTIFICAT certify that the wel plat was plotted frod surveys made by 1 rvision, and that th ct to the best of m	l location m field ne or e same is y belief.
<u>LAT.=3.</u> LONG.=1 LEA3	<u>22.078894* N</u> 04.200007* W SE X–ING		CRID AZ 1 H <u>ORZ. DIST</u>	┼── - │	SECTION 33 SECTION 4	6 7 8 9 10	$\begin{array}{c} \underline{X=540212.7 \ E} \\ \underline{Y=389785.7 \ N} \\ \underline{X=540236.2 \ E} \\ \underline{Y=392450.0 \ N} \\ \underline{X=540258.7 \ E} \\ \underline{Y=395101.3 \ N} \\ \underline{X=540313.5 \ E} \\ \underline{Y=397752.3 \ N} \\ \underline{X=540366.6 \ E} \\ \underline{Y=400402.5 \ N} \end{array}$	SURVEYO I hereby shown on this notes of actuau under my supe true and correc MA E Signature & S	PR CERTIFICAT certify that the web plat was plotted fro surveys made by n rvision, and that th to the best of m Y 18, 2022 Pate of Survey eal of Professiona D L. HARCR	l location m field ne or e same is y belief.
<u>LAT.=3.</u> LONG.=1 LEA: _LAT.=3.	12.078894* N 04.200007* W SE X-ING 12.071536* N 04.200094* W P		CRID AZ 1 H <u>ORZ. DIST</u>	   		6 7 8 7 8 7 9 7 10 7 10 7 10 7 10 7 10 7 10 7 10	$\begin{array}{c} \underline{X=540212.7\ E} \\ \underline{Y=380785.7\ N} \\ \underline{X=540236.2\ E} \\ \underline{Y=392450.0\ N} \\ \underline{X=540258.7\ E} \\ \underline{Y=3935101.3\ N} \\ \underline{X=540313.5\ E} \\ \underline{Y=397752.3\ N} \\ \underline{X=540366.6\ E} \\ \underline{Y=400402.5\ N} \\ \underline{X=540358.6\ E} \\ \underline{Y=403053.2\ N} \end{array}$	SURVEYC I hereby shown on this notes of actual under my supe true and correc MA T Signature & S	PR CERTIFICAT certify that the wei plat was plotted fro surveys made by 1 rivision, and that th ct to the best of m Y 18, 2022 Pate of Survey eal of Professional DL. HARCROM	l location m field ne or e same is y belief.

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DISTRICT I 825 N. FRENCH DR., 1 hone: (575) 393-6161 F 11 S. FIRST ST., A hone: (575) 748-1283 DISTRICT III 000 RIO BRAZOS R. hone: (505) 334-617	RTESIA, NM Fax: (575) 744 D., AZTEC, N	88210 8-9720	DIL C	ONS 1220 S	& Natu ERV. OUTH	ural F ATIC ST. Fl	v Mexico Resources De DN DIVIS RANCIS DR. xico 87505	SION	Revised A Submit one copy t	form C-102 agust 1, 2011 o appropriate ct Office
DISTRICT IV 220 S. ST. FRANCIS DI hone: (505) 476-346									□ AMEND	ED REPORT
hone: (505) 476-346	0 Fax: (505)	476-3462			AND	ACREA	GE DEDICATI			
API 1	Number		98220	Pool Code )		Pui	ple Sage; Wol	Pool Name fcamn		
Property C	ode				Prop	erty Nam		P	Well Nun	ıber
			-	FLAMIN	G SNA	IL FE	DERAL COM		708	ЗH
OGRID No	•			CO	-	ator Nam	e G, LLC		Elevation 3153	
									515.	5.9
III on lot No.	Q	To sure als in	Damas	T - 4 T -	1	ce Loca		Frank former that	10	Country
UL or lot No.	Section 28	Township 25-S	Range 27–E	Lot Idn		om the 05	North/South line NORTH	Feet from the 1715	<b>East/West line</b> WEST	County EDDY
	20			 					**LJI	
T 1.4 N.	<b>Q</b>	m			1		rent From Sur North/South line		The staff Western	Gunnatur
JL or lot No.	Section 4	Township 26-S	Range 27–E	Lot Idn		om the	SOUTH	Feet from the 1520	<b>East/West line</b> WEST	County EDDY
Dedicated Acres	·		onsolidation	Code 01	der No.		300111	1020	WE91	
1,920										
X=54138 LAT.=32.1C LONG.=104.1 <u>GRID AZ.</u> 332*1C	07204°N 198105°W <u>TO_FTP</u>	10	-    -    -    -			LON	Y=402378.6 N X=582067.5 E NT.=32.106182* N IG.=104.197473* W	or unleased min including the pr or has a right location pursuar owner of such i or to a voluntar	her owns a working heral interest in th roposed bottom ho, to drill this well a nt to a contract and contract mineral or working ry pooling agreeme ling order heretofo.	e land le location t this ith an interest, nt or a
<u>LAT.=32</u> LONG.=10 LEAS	2.093549' N 04.198267' W E X—ING				CTION 28 CTION 33	$ \begin{array}{c c} 1 \\ 2 \\ 3 \\ \end{array} $	DINT LEGEND (=403099.9 N (=582983.7 E (=397808.2 N (=543036.0 E (=392453.4 N	Signature Printed Name	Da	te
	<u>2.089884°N</u> 04.198311°W		- 15440.2	+ +		$\begin{array}{c c} 3 & \chi \\ 4 & \chi \\ 5 & \chi \end{array}$	X=542914.5 E X=387102.0 N X=542858.0 E X=387122.1 N	E-mail Address	3	
LAT.=32	E X-ING 2.078894* N 14.198441* W	8	GRID AZ. – – – – – – – – – – – – – – – – – – –		CTION 33 CTION 4	8 3 9 3 10 3 11 3	=540212.7         E           (~389785.7)         N           =540236.2         E           (~392450.0)         N           =540258.7         E           (~395101.3)         N           (=540313.5)         E           (~395752.3)         N           (=540366.6)         E           (=403058.6)         E           (=403053.2)         N           (=540350.5)         E	I hereby of shown on this p notes of actual under my super true and correc MA Da Signature & Se	R CERTIFICAT certify that the weap olat was plotted fro surveys made by I vision, and that the t to the best of m Y 18, 2022 ate of Survey cal of Professiona	l location m field ne or e same is y belief.
_LAT.=32	1520'FWL — 0.5 N 5.5 E 5118°N	6 5 152				N, <u>PROF</u> <u>HO</u> Y= X= LAT.=	AD 27 NME POSED BOTTOM LE LOCATION -587310.5 N -541734.4 E =32.064760° N =104.198609° W	LICENSED	· CHAD HARCROW	/8/22

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[STRICT I 25 N. FRENCH DR., I one: (575) 393-6161 Fr ISTRICT II 1 S. FIRST ST., Al one: (575) 748-1283 [STRICT III 00 RIO BRAZOS RI one: (505) 334-617.	RTESIA, NM Fax: (575) 74 D., AZTEC, N	() 88210 8-9720	OIL C	erals & ONSI 220 SC	c Nat ERV )UTH	ural F ATIC ST. FI	v Mexico Resources De DN DIVIS RANCIS DR. Rico 87505	SION	Revised Au Submit one copy t	'orm C–10 1gust 1, 201 o appropriat ct Offic
ISTRICT IV 20 S. ST. FRANCIS DI one: (505) 476-346									□ AMEND	ED REPOR
	Number		I	ool Code	AND	ACREA	GE DEDICATI Purple Sage;			
			9822	20				Wolfcamp		
Property C	ode		1	FLAMIN		perty Nam	e DERAL COM		Well Num	
OGRID No	•				Oper	rator Nam	e		Elevatio	
				00			G, LLC		3153	3.2
III on lot No	Section	Township	Pango	Lot Idn		ce Loca		Fast from the	Foot /Woot line	Countr
C DL or lot No.	section 28	Township 25-S	Range 27–E	Lot Idn		om the 05	North/South line NORTH	Feet from the 1745	<b>East/West line</b> WEST	County EDDY
-				Hole Loo			rent From Sur	.,		
L or lot No.	Section	Township	Range	Lot Idn		om the	North/South line	Feet from the	East/West line	County
M	4	26-S	27-E		2	00	SOUTH	2005	WEST	EDDY
Dedicated Acres	Joint o	r Infill C	onsolidation (	Code Ore	der No.					1
<u>LAT.=32</u> LONG.=10 LEAS LAT.=32	<u>LOCATION</u> 79.1 N 997.5 E 06183° N	/ 10		<b>`</b>	TION 28 TTON 33	$\begin{array}{c} Y = \\ X = \\ LAT. \\ LONG. \\ GRI \\ \hline \\ 2 \\ X \\ 2 \\ X \\ 3 \\ Y \\ 4 \\ X \\ 4 \\ Y \\ \hline \\ 4 \\ X \\ \hline \\ \end{array}$	ETP NL & 2005' FWL 402758.7 N 542356.4 E 32.107226' N 104.196538' W D AZ. TO FTP 34'17'16" MINT LEGEND =403099.9 N =582903.7 E =397808.2 N =542914.5 E =397102.0 N =542914.5 E =387102.0 N =542914.5 E	I hereby herein is true my knowledge d organization eit or unleased mi, including the p or has a right location pursua owner of such or to a volunta	Da	ormation e best of t this interest e land e location t this than interest, nt or a re entered
<u>_LAT.=32</u> LONG.=10 LEAS	E X-ING 2.078894* N 94.196875* W 14.196875* W 15.071504* N	8 7	6 CRID AZ 15452.5"		TTON 33 TTON 4	6 X 6 X 7 X 8 Y 8 Y 9 Y 10 X 11 X	-307122.1 N =540212.7 E =389785.7 N =540236.2 E =392450.0 N =540258.7 E =395101.3 N =540313.5 E =397752.3 N =540366.6 E =400402.5 N =540358.6 E =403053.2 N =540350.5 E	I hereby shown on this notes of actual under my super true and correc MA D Signature & So	$\sqrt{2}$	l location m field ne or e same is y belief.
	04.196963' W 2005' FWL — 6.8 N 0.5 E 5106' N	6	2005' B.H	 		<u>PROF</u> HO Y= X= LAT.=	AD 27 NME P <u>OSED BOTTOM</u> L <u>E LOCATION</u> 387306.8 N 542219.4 E -32.064749° N =104.197044° W	LICENSE	(1777) PFESSIONALS AULUSS 6	/8/22

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ISTRICT I 825 N. FRENCH DR., hone: (575) 393-6161 H ISTRICT II 11 S. FIRST ST., A hone: (575) 748-1283 DISTRICT III 000 RIO BRAZOS R hone: (505) 334-617	ARTESIA, NM 5 Fax: (575) 74 RD., AZTEC, N 78 Fax: (505)	88210 8-9720 MM 87410 334-6170	DIL C	ON 1220	NSE ) so	CRVATIO UTH ST. F	Resources De DN DIVIS RANCIS DR. xico 87505	*	Revised A Submit one copy t Distri	ct Offic
DISTRICT IV 220 S. ST. FRANCIS D hone: (505) 476-346	DR., SANTA FE, 60 Fax: (505)	NM 87505 476-3462	WELL LC	осат	ION	AND ACREA	AGE DEDICATI	ON PLAT	□ AMEND	ED REPOR
API	Number			Pool C				Pool Name		
Property (	Code		982	.20		Property Nan	Purple Sage; W	oncamp	Well Nun	nber
				FLAM	MING	• •	DERAL COM		70	6H
OGRID No	<b>).</b>				COG	Operator Nam OPERATIN			Elevation 3152	
						Surface Loc			0102	2.0
UL or lot No.	Section	Township	Range	Lot	Idn	Feet from the	North/South line	Feet from the	East/West line	County
С	28	25-S	27-Е			705	NORTH	1775	WEST	EDDY
			Bottom	Hole	e Loca	ation If Diffe	erent From Sur	face		
UL or lot No.	Section	Township	Range	Lot	Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	4	26-S	27-E			200 er No.	SOUTH	2490	WEST	EDDY
NO ALLO	WABLE V		NON-STAN				JNTIL ALL INTER APPROVED BY '	THE DIVISION	EEN CONSOLID	
<u>SURFACE</u> Y=4023 X=542 LAT.=32.1 LONG.=104	27 NME <u>LOCATION</u> 379.6 N 127.5 E 106185° N 2.197279° N	10 <sup>0</sup>	75'   S.L.    + +			Y X LAT. LONG	ETP FNL & 2490' FWL =402767.3 N =542841.3 E =32.107248" N .=104.194972" W ID AZ. TO FTP 61*29'24"	herein is true my knowledge organization ei or unleased m including the or has a right location pursu owner of such or to a volunt	certify that the inf and complete to th and belief, and tha ither owns a working ineral interest in th proposed bottom hou- to drill this well a ant to a contract w mineral or working ary pooling agreeme oling order heretofo. h.	e best of t this g interest le land le location t this ith an interest, nt or a
_ <u>LAT.=3.</u> LONG.=1 _LEAS <u>LAT.=3.</u>	SE X—ING 2.093601°N 04.195135°W SE X—ING 2.089922°N 04.195178°W	<b></b>		 		1 2 2 3	OINT LEGEND Y=403099.9 N X=582983.7 E Y=397808.2 N X=543036.0 E Y=392453.4 N X=542914.5 E	Signature Printed Nam	Da	te
LEA: _LAT.=3.	SE X-ING 2.078894' N 04.195310' W	8	CRID AZ 180'30'27"			4 5 6 7 8 9 10 10 11	$\begin{array}{c} x = 54237102.0 \text{ N} \\ x = 387102.0 \text{ N} \\ x = 542858.0 \text{ E} \\ y = 387122.1 \text{ N} \\ x = 540212.7 \text{ E} \\ y = 389785.7 \text{ N} \\ x = 540236.2 \text{ E} \\ y = 392450.0 \text{ N} \\ x = 540258.7 \text{ E} \\ y = 395101.3 \text{ N} \\ x = 540313.5 \text{ E} \\ y = 397752.3 \text{ N} \\ x = 540366.6 \text{ E} \\ y = 400402.5 \text{ N} \\ x = 540356.6 \text{ E} \\ y = 400402.5 \text{ N} \\ x = 540356.6 \text{ E} \\ y = 403053.2 \text{ N} \\ x = 540350.5 \text{ E} \\ \end{array}$	I hereby shown on this notes of actua under my supe true and corre M/ Signature & S	DR CERTIFICAT certify that the wel- plat was plotted fro- l surveys made by n ervision, and that th to the best of m AY 18, 2022 Date of Survey Seal of Professiona	ll location om field ne or e same is y belief.
LAT.=3.	2490'FWL — 33.2 N 05.5 E 55094'N	6		 	           		IAD 27 NME <u>POSED BOTTOM</u> <u>DLE LOCATION</u> =387303.2 N =542704.3 E =32.064737* N =104.195478* W	LICENSED	o. CHAD HARCROW	2/8/22 17777 BY: WN

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#### FLAMING SNAIL FED COM

Secs 28 & 33, 25S-27E & Sec 4, 26S-27E

WOLFCAMP 701H-710H; 801H-806H

1920 Acres ir	Spacing Unit	
TRACT 1 USA NMNM-92167 560 Acres		SECTION 28-255-27E
	TRACT 2 Fee Leases 320 Acres	SECTION
	SZU ALTES	33-25 <b>5-27</b> E
	TRACT 3 USA NMNM-112270 400 Acres	
TRACT 4 USA NMNM-112271 320 Acres	TRACT 5 USA NMNM-113399 320 Acres	SECTION 4-26S-27E

	Recapitulation	1
Tract Number	Number of Acres Committed	Percent of Interest in Communitized Area
1	560	0.291666667
2	320	0.1666666667
3	400	0.208333333
4	320	0.1666666667
5	320	0.1666666667
TOTAL	1920	100.0000000%

> COG Operating LLC Case No. 23303 Exhibit A-3

WORKING INTEREST OWNERS			
OXY Y-1 COMPANY			
CHEVRON U.S.A. INC			

ORRI OWNERS	
OXY Y-1 COMPANY	

BUFFALO RIVER MINERALS, LLC

NESTEGG ENERGY CORPORATION

#### Received by OCD: 3/30/2023 4:52:47 PM

	TRACT 1	TRACT 2	TRACT 3	TRACT 4	TRACT 5
	NMNM-92167	FEE LEASE	NMNM-112270	NMNM-112271	NMNM-113399
LEASEHOLD INTERESTS BY TRACT WOLFCAMP	W2, NE, N2SE 28-25S- 27E 560 AC	S2SE 28-25S-27E & N2NE, SWNE, SENW, E2SW 33-25S-27E	W2W2, NENW, SE, SENE 33-25S-27E 400 AC	NW, SE 4-26S-27E 320 AC	NE, SW 4-26S-27E 320 AC
	300 AC	320 AC	400 AC		
COG OPERATING LLC	0.76000000	0.95000000	0.71500000	0.67925000	0.87083337
CONCHO OIL & GAS LLC	0.04000000	0.05000000	0.02500000	0.03575000	0.04583334
VERITAS PERMIAN RESOURCES III LLC	0.00000000	0.00000000	0.26000000	0.26000000	0.00000000
OXY Y-1 COMPANY	0.2000000	0.00000000	0.00000000	0.00000000	0.02083330
CHEVRON U.S.A. INC	0.00000000	0.00000000	0.00000000	0.02500000	0.06250000
TOTALS	1.0000000	1.0000000	1.00000000	1.0000000	1.00000000

UNIT WORKING INTEREST OWNERS WOLFCAMP TOTAL UNIT - 1920 AC	
COG OPERATING LLC	0.7873055608
CONCHO OIL & GAS LLC	0.0388055558
VERITAS PERMIAN RESOURCES III LLC	0.0975000000
OXY Y-1 COMPANY	0.0618055500
CHEVRON U.S.A. INC	0.0145833333
TOTAL	1.000000000

PARTIES TO POOL	TYPE OF INTEREST	
OXY Y-1 COMPANY	WORKING INTEREST, ORRI	
CHEVRON U.S.A. INC	WORKING INTEREST	
BUFFALO RIVER MINERALS, LLC	ORRI	
NESTEGG ENERGY CORPORATION	ORRI	



New Mexico Oil Conservation Division 1220 South St. Francis Street Santa Fe, New Mexico 87505

#### Re: New Mexico Oil Conservation Division Case Nos. 23303, 23304 COG Operating LLC's Flaming Snail Wells

To whom it may concern:

Veritas Permian Resources III LLC ("Veritas") is the second largest working interest owner in COG Operating, LLC's ("COG") Flaming Snail units that are the subject of Case Nos. 23303 and 23304. Veritas owns 187 acres within the Flaming Snail units, amounting to a 9.73958% working interest, and has already executed a Joint Operating Agreement with COG.

Veritas owns approximately 12,000 gross acres in Eddy and Lea Counties. In the last 4 years, Veritas and its predecessor have participated in, as a working interest owner, the drilling of over 200 horizontal wells in Eddy and Lea Counties, with a variety of different operators. This includes 11 horizontal wells with COG acting as operator. Based on Veritas' experience, we ask that you grant COG the right to drill its Flaming Snail wells as proposed. COG's proposal will best develop the acreage for the benefit of the interest owners and the state.

Thank you for your consideration of our request.

#### **VERITAS PERMIAN RESOURCES III, LLC**

ND

Mark Schumacher President & COO

COG Operating LLC Case No. 23303 Exhibit A-4

Veritas Energy, LLC | P.O. Box 10850 | Fort Worth, Texas 76114 | 817.377.9888 | veritasenergyllc.com



5 Greenway Plaza, Suite 110, Houston, Texas 77046-0521 P.O. Box 4294, Houston, Texas 77210-4294

March 30, 2023

New Mexico Oil Conservation Division 1220 South St. Francis Street Santa Fe, New Mexico 87505

# **RE:** New Mexico Oil Conservation Division Case Nos. 23303, 23304 COG Operating LLC's Flaming Snail Wells

To whom it may concern:

OXY Y-1 Company ("OXY") is the third largest working interest owner in COG Operating, LLC's ("COG") Flaming Snail units that are the subject of Case Nos. 23303 and 23304. OXY has participated in numerous wells in Eddy and Lea Counties, including horizontal wells, with COG acting as operator. Based on Oxy's experience in the Delaware Basin, we ask that you grant COG the right to drill its Flaming Snail wells, as proposed. COG's proposal will best develop the acreage for the benefit of the interest owners.

Thank you for your consideration of our request.

OXY Y-1 Company By:

Name: James Laning Title: Attorney-in-Fact



Shelley C. Klingler Staff Land Negotiator 600 W. Illinois Ave Midland, TX 79701 O: 432-688-9027 F: 432-221-0470 Shelley.c.klingler@conocophillips.com

October 25, 2022

Via CMRRR No. 9489 0090 0027 6245 2756 81 OXY Y-1 Company 5 Greenway Plaza, Suite 110 Houston, TX 77046 Attn: Land Department

Re: Flaming Snail Fed Com Unit All of Sections 28 & 33, T25S-R27E and All of Section 4, T26S-27E Eddy County, New Mexico

Dear Sir or Madam:

COG Operating LLC ("COG"), as Operator, hereby proposes the drilling of the following horizontal wells with productive laterals located in All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico (collectively, the "Operation"). The surface pad locations will be located in Units A and C of Section 28, T25S-R27E (subject to change).

#### **BONE SPRING**

- Flaming Snail Fed Com 501H, to be drilled to a depth sufficient to test the Second Bone Spring Interval of the Bone Spring Formation at an approximate total vertical depth of 7,580'. The surface location for this well is proposed at a legal location in Unit A of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit P of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,964,000.00, as shown on the attached Authority for Expenditure ("AFE").
- Flaming Snail Fed Com 502H, to be drilled to a depth sufficient to test the Second Bone Spring Interval of the Bone Spring Formation at an approximate total vertical depth of 7,556'. The surface location for this well is proposed at a legal location in Unit A of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit O of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,964,000.00, as shown on the attached AFE.
- Flaming Snail Fed Com 503H, to be drilled to a depth sufficient to test the Second Bone Spring Interval of the Bone Spring Formation at an approximate total vertical depth of 7,553'. The surface location for this well is proposed at a legal location in Unit C of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit N of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,964,000.00, as shown on the attached AFE.

COG Operating LLC Case No. 23303 Exhibit A-5 October 25, 2022 – Page 2 Flaming Snail Fed Com Unit well proposals

- Flaming Snail Fed Com 504H, to be drilled to a depth sufficient to test the Second Bone Spring Interval of the Bone Spring Formation at an approximate total vertical depth of 7,527'. The surface location for this well is proposed at a legal location in Unit C of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit M of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,964,000.00, as shown on the attached AFE.
- Flaming Snail Fed Com 520H, to be drilled to a depth sufficient to test the Charkey Interval of the Bone Spring Formation at an approximate total vertical depth of 7,959'. The surface location for this well is proposed at a legal location in Unit A of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit P of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,964,000.00, as shown on the attached AFE.
- Flaming Snail Fed Com 521H, to be drilled to a depth sufficient to test the Charkey Interval of the Bone Spring Formation at an approximate total vertical depth of 7,939'. The surface location for this well is proposed at a legal location in Unit C of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit N of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,964,000.00, as shown on the attached AFE.

#### WOLFCAMP

- Flaming Snail Fed Com 701H, to be drilled to a depth sufficient to test the Wolfcamp A Interval of the Wolfcamp Formation at an approximate total vertical depth of 8,925'. The surface location for this well is proposed at a legal location in Unit A of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit P of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.
- Flaming Snail Fed Com 702H, to be drilled to a depth sufficient to test the Wolfcamp A Interval of the Wolfcamp Formation at an approximate total vertical depth of 8,925'. The surface location for this well is proposed at a legal location in Unit A of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit P of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.
- Flaming Snail Fed Com 703H, to be drilled to a depth sufficient to test the Wolfcamp A Interval of the Wolfcamp Formation at an approximate total vertical depth of 8,925'. The surface location for this well is proposed at a legal location in Unit A of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit P of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.
October 25, 2022 – Page 3 Flaming Snail Fed Com Unit well proposals

- Flaming Snail Fed Com 704H, to be drilled to a depth sufficient to test the Wolfcamp A Interval of the Wolfcamp Formation at an approximate total vertical depth of 8,925'. The surface location for this well is proposed at a legal location in Unit A of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit O of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.
- Flaming Snail Fed Com 705H, to be drilled to a depth sufficient to test the Wolfcamp A Interval of the Wolfcamp Formation at an approximate total vertical depth of 8,925'. The surface location for this well is proposed at a legal location in Unit A of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit O of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.
- Flaming Snail Fed Com 706H, to be drilled to a depth sufficient to test the Wolfcamp A Interval of the Wolfcamp Formation at an approximate total vertical depth of 8,925'. The surface location for this well is proposed at a legal location in Unit C of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit N of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.
- Flaming Snail Fed Com 707H, to be drilled to a depth sufficient to test the Wolfcamp A Interval of the Wolfcamp Formation at an approximate total vertical depth of 8,925'. The surface location for this well is proposed at a legal location in Unit C of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit N of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.
- Flaming Snail Fed Com 708H, to be drilled to a depth sufficient to test the Wolfcamp A Interval of the Wolfcamp Formation at an approximate total vertical depth of 8,925'. The surface location for this well is proposed at a legal location in Unit C of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit N of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.
- Flaming Snail Fed Com 709H, to be drilled to a depth sufficient to test the Wolfcamp A Interval of the Wolfcamp Formation at an approximate total vertical depth of 8,925'. The surface location for this well is proposed at a legal location in Unit C of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit M of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.

October 25, 2022 – Page 4 Flaming Snail Fed Com Unit well proposals

- Flaming Snail Fed Com 710H, to be drilled to a depth sufficient to test the Wolfcamp A Interval of the Wolfcamp Formation at an approximate total vertical depth of 8,925'. The surface location for this well is proposed at a legal location in Unit C of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit M of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.
- Flaming Snail Fed Com 801H, to be drilled to a depth sufficient to test the Wolfcamp C Interval of the Wolfcamp Formation at an approximate total vertical depth of 9,775'. The surface location for this well is proposed at a legal location in Unit A of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit P of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.
- Flaming Snail Fed Com 802H, to be drilled to a depth sufficient to test the Wolfcamp C Interval of the Wolfcamp Formation at an approximate total vertical depth of 9,775'. The surface location for this well is proposed at a legal location in Unit A of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit P of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.
- Flaming Snail Fed Com 803H, to be drilled to a depth sufficient to test the Wolfcamp C Interval of the Wolfcamp Formation at an approximate total vertical depth of 9,775'. The surface location for this well is proposed at a legal location in Unit A of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit O of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.
- Flaming Snail Fed Com 804H, to be drilled to a depth sufficient to test the Wolfcamp C Interval of the Wolfcamp Formation at an approximate total vertical depth of 9,775'. The surface location for this well is proposed at a legal location in Unit C of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit N of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.
- Flaming Snail Fed Com 805H, to be drilled to a depth sufficient to test the Wolfcamp C Interval of the Wolfcamp Formation at an approximate total vertical depth of 9,775'. The surface location for this well is proposed at a legal location in Unit C of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit N of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.

October 25, 2022 – Page 5 Flaming Snail Fed Com Unit well proposals

• Flaming Snail Fed Com 806H, to be drilled to a depth sufficient to test the Wolfcamp C Interval of the Wolfcamp Formation at an approximate total vertical depth of 9,775'. The surface location for this well is proposed at a legal location in Unit C of Section 28, T25S-R27E, and a bottom hole location at a legal location in Unit M of Section 4, T26S-R27E. The dedicated horizontal spacing unit will be All of Sections 28 and 33, T25S-R27E, and All of Section 4, T26S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,182,000.00, as shown on the attached AFE.

COG is proposing to drill these wells under the terms of a new Operating Agreement which is included herewith for your review and execution.

In the interest of time, if we are unable to reach an agreement on these wells within 30 days of the date of this letter, COG will apply to the NMOCD for compulsory pooling of your interest into a horizontal spacing unit for the proposed wells.

Please indicate your participation elections in the space provided below, sign and return this letter, along with a signed copy of the enclosed AFEs and a copy of your geologic requirements, to my attention at the letterhead address or by email to shelley.c.klingler@conocophillips.com. Should you have any questions, please do not hesitate to contact me.

Sincerely,

**COG Operating LLC** 

Shelley C. Klingler

Staff Land Negotiator

Please Indicate your election below:

PARTICIPATE Elect to participate in drilling & completion of well	DO NOT PARTICIPATE Elect NOT to participate in drilling & completion of well	WELL NAME
	of well	FLAMING SNAIL FED COM 701H (WC A)
		FLAMING SNAIL FED COM 702H (WC A)
		FLAMING SNAIL FED COM 703H (WC A)
		FLAMING SNAIL FED COM 704H (WC A)
		FLAMING SNAIL FED COM 705H (WC A)
		FLAMING SNAIL FED COM 706H (WC A)
		FLAMING SNAIL FED COM 707H (WC A)
		FLAMING SNAIL FED COM 708H (WC A)
		FLAMING SNAIL FED COM 709H (WC A)
		FLAMING SNAIL FED COM 710H (WC A)
		FLAMING SNAIL FED COM 801H (WC C)
		FLAMING SNAIL FED COM 802H (WC C)

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October 25, 2022 – Page 6 Flaming Snail Fed Com Unit well proposals

PARTICIPATE Elect to participate in drilling & completion of well	DO NOT PARTICIPATE Elect NOT to participate in drilling & completion of well	WELL NAME
		FLAMING SNAIL FED COM 803H (WC C)
		FLAMING SNAIL FED COM 804H (WC C)
		FLAMING SNAIL FED COM 805H (WC C)
		FLAMING SNAIL FED COM 806H (WC C)
		FLAMING SNAIL FED COM 501H (BS)
		FLAMING SNAIL FED COM 502H (BS)
		FLAMING SNAIL FED COM 503H (BS)
		FLAMING SNAIL FED COM 504H (BS)
		FLAMING SNAIL FED COM 520H (Charkey)
		FLAMING SNAIL FED COM 521H (Charkey)

#### **OXY Y-1 COMPANY**

Ву: \_\_\_\_\_ Name: \_\_\_\_\_

Title:

Date: \_\_\_\_\_

SHL	FLAMING SNAIL FED COM 701H 655 FNL, 915 FEL 200 FSL, 330 FEL WOLFCAMP	I OR UNIT A OR UNIT P	T25S-R27 T26S-R27				State & County Objective	ATLAS 2527 NEW MEXICO, EDDY DRILL & COMPLETE	
	WOLFCAMP ALL SECS 28 & 33, 25S-27E & AL	LL SEC 4, 26S-27E					Depth TVD	24,265 8,925	
ost Description	Code P	PreSpud (PS) Pre-Set Cas	ing(PC)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revision	
tangible Costs			L I					-	
-Lctn/Pits/Roads -Drilling Overhead	205 206		s	145,000.00				\$ - \$ -	\$ 145,0 \$ 11,0
-Daywork Contract	200		s	789,000.00				s -	\$ 789.0
-Directional Drlg Services	210		s	421,000.00				\$ -	\$ 421,0
-Fuel & Power	211		s	136,000.00				\$	\$ 136,0
-Water Bits	212 213		s	115,000.00				\$ - \$ -	\$ 115,0 \$ 145,0
Mud & Chemicals	213		s	145,000.00 297.000.00				s -	\$ 297,0
Cement Surface	217		s	29,000.00				\$ -	\$ 29,0
Cement Intermed	218		s	114,000.00				\$	\$ 114,0
-Prod-2nd Int Cmt -Float Equipment & Centralizers	219 221		s	168,000.00 92,000.00				\$ - \$ -	\$ 168,0 \$ 92,0
-Csg Crews & Equip	222		s	92,000.00				s -	\$ 92,0
Contract Labor	225		s	10,000.00				\$ -	\$ 10,0
-Company Sprvsn	226		S	66,000.00				\$	\$ 66,0
-Contract Sprvsn	227		s	165,000.00				\$	\$ 165,0
-Tstg Csg/Tbg -Mud Logging Unit	228 229		s	61,000.00 61,000.00				\$ - \$ -	\$ 61,0 \$ 61,0
-Rentals-Surface	225		s	256,000.00				s -	\$ 256,0
-Rentals-Subsrfc	236		s	119,000.00				\$ -	\$ 119,0
-Trucking/Forklift/Rig Mob	237		\$	244,000.00				\$	\$ 244,0
-Welding Services	238 243		s	5,000.00				\$ - \$ -	\$ 5,0 \$ 92,0
-Contingency -Envrnmtl/Clsd Loop	243		\$	92,000.00 403,000.00				\$ - \$	\$ 92,0
-Wellbore Frac Prep	304		Ŭ	400,000.00	\$ 209,000.00			\$ -	\$ 209,0
-Lctn/Pits/Roads	305				\$ 22,000.00			\$-	\$ 22,0
-Completion OH	306				\$ 33,000.00			\$-	\$ 33,0
Frac Equipment Frac Chemicals	307 308				\$ 1,430,000.00 \$ 906,000.00			\$ - \$ -	\$ 1,430,0 \$ 906,0
Frac Proppant	309				\$ 908,000.00			s -	\$ 411,0
Frac Proppant Transportation	310				\$ 639,000.00			\$	\$ 639,0
-Fuel Delivery & Services	311				\$ 92,000.00			\$	\$ 92,0
Water	312 315				\$ 604,000.00			\$ - \$ -	\$ 604,0 \$ 570,0
-Frac Surface Rentals -Contract Labor	315				\$ 570,000.00 \$ 22,000.00			\$-	\$ 570,0
-Company Sprvsn	326				\$ 22,000.00			\$ -	\$ 22,0
-Contract Sprvsn	327				\$ 305,000.00			\$	\$ 305,0
Artificial Lift Install	329				\$ 98,000.00			\$.	\$ 98,0
-Perf/Wireline Svc -Trucking/Forklift/Rig Mob	331 337				\$ 702,000.00 \$ 22,000.00			\$ - \$ -	\$ 702,0 \$ 22,0
-Water Disposal	339				\$ 22,000.00			s -	\$ 87.0
-Contingency	343				\$ 163,000.00			\$ -	\$ 163,0
-Dyed Diesel	345				\$ 342,000.00			\$-	\$ 342,0
Drillout	346				\$ 652,000.00			\$ - \$ -	\$ 652,0 \$ 2,0
B-Damages/Right of Way B-Location/Pits/Roads	351 353					\$ 2,000.00 \$ 45,000.00		\$ -	\$ 2,0 \$ 45,0
B-Contract Labor	356					\$ 244,000.00		s -	\$ 244,0
EQ-Contract Labor	374						\$ 18,000.00	\$ -	\$ 18,0
Q-Water Disposal	387						\$ 81,000.00	\$	\$ 81,0
EQ-HRZ Well Offset Frac otal Intangible Costs	391			4,043,000.00	\$ 7,331,000.00	\$ 291,000.00	\$ 9,000.00 \$ 108,000.00	\$ - \$ -	\$ 9,0 \$ 11,773,0
	\$	- ,	- >	4,043,000.00	\$ 7,331,000.00	\$ 291,000.00	\$ 108,000.00	\$ -	\$ 11,773,0
angible Costs							1		<b>T</b> .
Q-Flowback Crews & Equip	392		-				\$ 49,000.00		\$ 49,0
Surface Casing Intermed Csg	401 402		\$	32,000.00 253,000.00				\$ - \$ -	\$ 32,0 \$ 253,0
Production Casing/Liner	402		\$	628,000.00				\$-	\$ 628,0
-Wellhead Equip	405		\$	115,000.00				\$	\$ 115,0
Tubing	504				\$ 113,000.00			\$	\$ 113,0
Wellhead Equip	505				\$ 61,000.00			s -	\$ 61,0
3-Tanks 3-Flowlines/Pipelines	510 511					\$ 78,000.00 \$ 35,000.00		\$ - \$ -	\$ 78,0 \$ 35,0
3-Htr Trtr/Seprtr	511					\$ 35,000.00 \$ 251,000.00		\$ -	\$ 35,0
3-Electrical System/Equipment	513					\$ 154,000.00	İ	\$	\$ 154,0
Pckrs/Anchors/Hgrs	514				\$ 142,000.00			\$	\$ 142,0
3-Couplings/Fittings/Valves	515					\$ 261,000.00		\$	\$ 261,0
B-Pumps-Surface B-Instrumentation/SCADA/POC	521 522					\$ 35,000.00 \$ 26,000.00		\$ - \$ -	\$ 35,0 \$ 26,0
-Instrumentation/SCADA/POC -Miscellaneous	522					\$ 26,000.00 \$ 26,000.00		s -	\$ 26,0
3-Meters/Lacts	525					\$ 35,000.00		\$-	\$ 35,0
B-Flares/Combusters/Emission	526					\$ 42,000.00		\$	\$ 42,0
Gas Lift/Compression	527				\$ 55,000.00		e 40.000 m		\$ 55,0
	531						\$ 18,000.00		\$ 18,0
EQ-Wellhead Equipment	S	- S	- 5	1.028.000.00	\$ 371,000,00	\$ 943.000.00	\$ 67.000.00	s -	\$ 2,409.0
EQ-Wellhead Equipment btal Tangible Costs btal Gross Cost	\$	- \$	- \$ - \$	1,028,000.00 5,071,000.00					

COG Operating LLC

By:

## We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC By:

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

SHL 63 BHL 20 Formation W Legal AL Cost Description Tistangible Costs D-Lttr/Pits/Roads D-Dilling Overhead D-Dilling Overhead D-Directional Drig Services D-Fuel & Power D-Batts D-Mud Logen AL Cost Reliable D-Cement Intermed D-Cement Intermed D-Cement Intermed D-Contract Labor D-Contract Labor D-Contract Labor D-Contract Labor D-Contract Sprish D-Tatle Survices D-Contract Sprish D-Contract Sprish D-Contract Sprish D-Contract Sprish D-Composition DH Contract Sprish D-Composition DH C-Rentals Surface D-Composition DH C-Rentals Surface D-Contract Sprish D-Contract Spr	55 FNL, 945 FEI 00 FSL, 815 FEL /OLFCAMP	3, 25S-27E & ALL SEC 4, 26S-2		T255-R27 T265-R27 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	E Drilling (DR) 145,000.00 11,000.00 7650.000.00 136,000.00 115,000.00 145,000.00 257,000.00 257,000.00 259,000.00 1140,000.00	Completions (C		ank Btty Constrctn(TB)	State & County Objective Depth	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$	Total 145,000.00 11,000.00 789,000.00 421,000.00 136,000.00 115,000.00
SHL 63 BHL 20 Formation W Legal AL Cost Description Tistangible Costs D-Lttr/Pits/Roads D-Dilling Overhead D-Dilling Overhead D-Directional Drig Services D-Fuel & Power D-Batts D-Mud Logen AL Cost Reliable D-Cement Intermed D-Cement Intermed D-Cement Intermed D-Contract Labor D-Contract Labor D-Contract Labor D-Contract Labor D-Contract Sprish D-Tatle Survices D-Contract Sprish D-Contract Sprish D-Contract Sprish D-Contract Sprish D-Composition DH Contract Sprish D-Composition DH C-Rentals Surface D-Composition DH C-Rentals Surface D-Contract Sprish D-Contract Spr	55 FNL, 945 FEF 200 FS, 815 FEL 200 FS, 815 FEL 200 FS, 815 FEL 200 FS, 815 FEL 200 FS, 82 FEL 200 FS, 82 FEL 200 FS, 82	L - 3, 255-27E & ALL SEC 4, 265-2	OR UNIT P 27E	T26S-R27 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	E Drilling (DR) 145,000.00 11,000.00 7650.000.00 136,000.00 115,000.00 145,000.00 257,000.00 257,000.00 259,000.00 1140,000.00	Completions (C	;) Ta	ank Btty Constrctn(TB)	State & County Objective Depth TVD	NEW MEXICO, EDDY DRILL & COMPLETE 24,265 8,925 <b>Revision</b> <u>\$</u> - <u>\$</u> - <u>\$ - <u>\$</u> - <u>8</u> - <u>8</u> - <u>8</u> -</u>	\$ \$ \$ \$ \$	145,000.00 11,000.00 789,000.00 421,000.00 136,000.00
BHL 20 Formation Wix Legal ALI Cost Description United State	20 FSL, 815 FEL OUFCAMP LL SECS 28 & 3: 2005 2009 2009 2009 2100 211 212 211 212 213 214 214 217 218 219 229 220 220 220 220 220 220 220 220 22	3, 25S-27E & ALL SEC 4, 26S-2	OR UNIT P 27E	T26S-R27 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	E Drilling (DR) 145,000.00 11,000.00 7650.000.00 136,000.00 115,000.00 145,000.00 257,000.00 257,000.00 259,000.00 1140,000.00	Completions (C	;) Ta	ank Btty Constrctn(TB)	Objective Depth TVD	DRILL & COMPLETE 24,265 8,925 <b>Revision</b> \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$	145,000.00 11,000.00 789,000.00 421,000.00 136,000.00
Legal ALI           Intangibie Costs           Intangibie Costs           Defaulting Overhead           D-Drilling Overhead           D-Drilling Overhead           D-Directional Drig Services           D-Water           D-Water           D-Water           D-Water           D-Mad & Chemicals           D-Cement Intermed           D-Proof Agnite R. Centralizers           D-Congravity Sprvsin           D-Congravity Sprvsin           D-Congravity Sprvsin           D-Stag Crews & Equip           D-Contract Sprvsin           D-Stag Crews & Teres           D-Congravy Sprvsin           D-Congravy Sprvsin           D-Stag Crews & Equip           D-Moud Logging Unit           D-Rentals-Subsrfc           D-Rentals-Subsrfc           D-Romany Sprvsin           D-Contract Sprvsin           D-Compary Sprvsin           D-Compary Sprvsin           D-Rentals-Subsrfc           D-Romanity-Revices           D-Compary Sprvsin           D-Compary Sprvsin           D-Compary Sprvsin           D-Compary Sprvsin           C-Compary Sprvsin           C-Frac Proponant	LL SECS 28 & 3: Code 2005 2006 2009 2101 2112 2121 2121 2121 2121 2122 2135 2266 2299 2255 2266 2277 2288 2299 2355 2356 2377 2388	3, 25S-27E & ALL SEC 4, 26S-2	27E	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Drilling (DR) 145,000.00 11,000.00 789,000.00 421,000.00 138,000.00 115,000.00 237,000.00 239,000.00 114,000.00	Completions (C	;) Ta	ank Btty Constrctn(TB)	Depth TVD	24,265 8,925 <b>Revision</b> \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$	145,000.00 11,000.00 789,000.00 421,000.00 136,000.00
Legal ALI           Intangibie Costs           Intangibie Costs           Defaulting Overhead           D-Drilling Overhead           D-Drilling Overhead           D-Directional Drig Services           D-Water           D-Water           D-Water           D-Water           D-Mad & Chemicals           D-Cement Intermed           D-Proof Agnite R. Centralizers           D-Congravity Sprvsin           D-Congravity Sprvsin           D-Congravity Sprvsin           D-Stag Crews & Equip           D-Contract Sprvsin           D-Stag Crews & Teres           D-Congravy Sprvsin           D-Congravy Sprvsin           D-Stag Crews & Equip           D-Moud Logging Unit           D-Rentals-Subsrfc           D-Rentals-Subsrfc           D-Romany Sprvsin           D-Contract Sprvsin           D-Compary Sprvsin           D-Compary Sprvsin           D-Rentals-Subsrfc           D-Romanity-Revices           D-Compary Sprvsin           D-Compary Sprvsin           D-Compary Sprvsin           D-Compary Sprvsin           C-Compary Sprvsin           C-Frac Proponant	LL SECS 28 & 3: Code 2005 2006 2009 2101 2112 2121 2121 2121 2121 2122 2135 2266 2299 2255 2266 2277 2288 2299 2355 2356 2377 2388			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	145,000.00 11,000.00 789,000.00 421,000.00 136,000.00 145,000.00 297,000.00 29,000.00 114,000.00	Completions (C	;) Ta	ank Btty Constrctn(TB)	TVD	8,925	\$ \$ \$ \$ \$	145,000.00 11,000.00 789,000.00 421,000.00 136,000.00
Intangible Costs  Intangible Costs  Dichtr/Pit/Kodods  Dichtr/Pit/Kodods  Dichtr/Pit/Kodods  Dicational Pit/Services  Divestional Diff Services  Divestional Diff Services  Divestional Diff Services  Divestional Control Con	205 206 209 210 211 211 212 213 214 217 228 229 225 226 226 227 228 229 229 229 229 229 229 229 229 235 236 237 238	PreSpud (PS)	Pre-Set Casing(PC)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	145,000.00 11,000.00 789,000.00 421,000.00 136,000.00 145,000.00 297,000.00 29,000.00 114,000.00	Completions (C	C) Ta	ank Btty Constrctn(TB)	Pmpq Equip (PEQ)	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$	145,000.00 11,000.00 789,000.00 421,000.00 136,000.00
Intangible Costs  Intangible Costs  Dichtr/Pit/Kodods  Dichtr/Pit/Kodods  Dichtr/Pit/Kodods  Dicational Pit/Services  Divestional Diff Services  Divestional Diff Services  Divestional Diff Services  Divestional Control Con	205 206 209 210 211 211 212 213 214 217 228 229 225 226 226 227 228 229 229 229 229 229 229 229 229 235 236 237 238	PreSpud (PS)	Pre-Set Casing(PC)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	145,000.00 11,000.00 789,000.00 421,000.00 136,000.00 145,000.00 297,000.00 29,000.00 114,000.00	Completions (C		ank Btty Constrctn(TB)	Pmpq Equip (PEQ)	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$	145,000.00 11,000.00 789,000.00 421,000.00 136,000.00
D-Lttn/Filx/Roads         D-Drilling Overhead         D-Drilling Overhead         D-Drive & Power         D-Taread & Power         D-Water         D-Water         D-Water         D-Ritis         D-Coment Surface         D-Coment Surface         D-Food-2nd Int Cmt         D-Food-2nd Int Cmt         D-Food-2nd Int Cmt         D-Gorgersens & Equip         D-Contract Labor         D-Stage Surgersens Company Sprson         D-Forderad Int Surface         D-Mud Logging Unit         D-Rentals-Surface         D-Rentals-Surface         D-Rentals-Surface         D-Fouchaid Int Cmt         D-Trucking/Forklift/Rig Mob         D-Weiding Services         D-Commit/Cid Loop         C-Lettr/His/Roads         C-Completion OH         C-Frac Proppant Transportation         C-Frac Proppant Transportation         C-Frac Rentals         C-Gordract Labor         C-Gordract Sprson         C-Compart Transportation         C-Frac Rentals         C-Gordract Sprson         C-Compart Sprson         C-Comart Sprson         C-Ontract Sprson <td>206 209 210 211 212 213 214 217 218 229 225 225 225 226 226 226 227 228 229 225 225 226 226 226 227 228 229 225 225 227 228 229 235 236 237 238 237 238</td> <td></td> <td></td> <td>s s s s s s s s s s s</td> <td>11,000.00 789,000.00 421,000.00 136,000.00 115,000.00 297,000.00 29,000.00 29,000.00</td> <td></td> <td></td> <td></td> <td></td> <td>\$ - \$ - \$ - \$ -</td> <td>\$ \$ \$ \$</td> <td>11,000.00 789,000.00 421,000.00 136,000.00</td>	206 209 210 211 212 213 214 217 218 229 225 225 225 226 226 226 227 228 229 225 225 226 226 226 227 228 229 225 225 227 228 229 235 236 237 238 237 238			s s s s s s s s s s s	11,000.00 789,000.00 421,000.00 136,000.00 115,000.00 297,000.00 29,000.00 29,000.00					\$ - \$ - \$ - \$ -	\$ \$ \$ \$	11,000.00 789,000.00 421,000.00 136,000.00
D-Drilling Overhead D-Drilling Overhead D-Draywork Contract D-Divectional Drig Services D-Fuel & Power D-Vater D-Bits D-Water D-Bits D-Coment Surface D-Coment Surface D-Drod 20 drit Cmt D-Rod & Contract Control D-Rod & Con	206 209 210 211 212 213 214 217 218 229 225 225 225 226 226 226 227 228 229 225 225 226 226 226 227 228 229 225 225 227 228 229 235 236 237 238 237 238			s s s s s s s s s s s	11,000.00 789,000.00 421,000.00 136,000.00 115,000.00 297,000.00 29,000.00 29,000.00					\$ - \$ - \$ - \$ -	\$ \$ \$ \$	11,000.00 789,000.00 421,000.00 136,000.00
D-Daywork Contract D-Directional Dirig Services D-Fuel & Power D-Wate D-Wate D-Wate D-Wate D-Bits D-Bits D-Bits D-Bits D-Cement Surface D-Cement Intermed D-Cement Intermed D-Foat Equipment & Centralizers D-Foad-Znd Int Cmt D-Foad Equipment & Centralizers D-Cog Crews & Equip D-Contract Labor D-Company Sprvsn D-Contract Sprvsn D-Stag (Cay B Equip D-Contract Sprvsn D-Stag (Cay B Equip D-Stag (Cay B Equipment D-Trucking/Forklift/Rig Mob D-Trucking/Forklift/Rig Mob D-Contract Sprvsn D-Completion DH C-Completion DH C-Completion DH C-Frac Equipment C-Frac Peropant Transportation C-Frac Express D-Contract Sprvsn C-Compared D-Contract Sprvsn C-Contract Sprvsn C-Contract Sprvsn C-Contract Sprvsn C-Contract Sprvsn C-Contract Sprvsn	210 211 212 213 214 217 218 229 225 226 226 226 227 228 229 229 235 238 237 238			s s s s s s	421,000.00 136,000.00 115,000.00 145,000.00 297,000.00 29,000.00 114,000.00					\$- \$- \$-	\$ \$	421,000.00 136,000.00
D-Directional Drig Services D-Fuel & Porver D-Fuel & Fuel Porver D-Fuel & Porver D-Fuel Po	211 212 213 214 217 218 219 221 225 226 226 227 228 229 228 229 235 236 237 238			s s s s s s	136,000.00 115,000.00 145,000.00 297,000.00 29,000.00 114,000.00					\$ - \$ -	\$ \$	136,000.00
D-Water D-Bits D-Bits D-Cement Surface D-Cement Surface D-Prod-2nd Int Cmt D-Prod-2nd Int Cmt D-Prod-2nd Int Cmt D-Company Sprosn D-Contract Labor D-Company Sprosn D-Contract Sprosn D-Contract Sprosn D-Contract Sprosn D-Contract Sprosn D-Strg Csg/Tbg D-Mud Logging Unit D-Rental-Subsrfc D-Trucking/Forkilf/Rig Mob D-Trucking/Forkilf/Rig Mob D-Trucking/Forkilf/Rig Mob D-Company Sprosn D-Contract Sprosn D-Company Sprosn D-Company Sprosn C-Company Sprosn C-Frac Equipment C-Frac Surface D-Frac Surface C-Sprace Tempont Transportation C-Frac Surface Rentals C-Company Sprosn C-Company Sprosn C-Company Sprosn C-Company Sprosn C-Company Sprosn C-Company Sprosn	212 213 214 217 218 219 221 222 225 226 227 228 229 235 236 237 238			s s s s	115,000.00 145,000.00 297,000.00 29,000.00 114,000.00					\$ -	\$	
D-Bits D-Bits D-Bits D-Comment Intermed D-Comment Intermed D-Prod-Znal Int K D-Float Equipment & Centralizers D-Cog Crews & Equip D-Contract Days D-Contract Sprsn C-Frac Compation D-Fract Sprsn C-Contract Labor C-Compation C-Contract Labor C-Contract Sprsn C-Co	213 214 217 218 221 222 225 226 227 228 229 235 236 235 236 237 238			\$ \$ \$	145,000.00 297,000.00 29,000.00 114,000.00							115.000.00
D-Mud & Chemicals D-Cement Nurface D-Cement Nurface D-Cement Nurface D-Prod-Scal Int Cmt D-Prod-Scal Int Cmt D-Contract Labor D-Contract Labor D-Contract Labor D-Contract Labor D-Contract Sprvsn D-Contract Sprvsn D-Nurding/Fordace D-Rentals-Subsrfc C-Rentals C-Compart Sprvsn C-Contract Labor C-Compart Sprvsn C-Contract Sprvsn C-Contra	214 217 218 219 221 225 225 226 227 228 229 235 236 237 238			\$ \$ \$	297,000.00 29,000.00 114,000.00					s -		145,000.00
D Cement Surface D-Coment Surface D-Float Equipment & Centralizers D-Float Equipment & Centralizers D-Float Equipment & Centralizers D-Congarey Sprvsn D-Contract Sprvsn D-Contract Sprvsn D-Contract Sprvsn D-Strg Csg/Tbg D-Mud Logging Unit D-Rentals-Surface D-Trucking/Forklift/Rig Mob D-Wedling Services D-Contingency D-Compent Y-Stree Schement C-Frac Propant Transportation C-Frac Spropant Transportation C-Compare Sprvsn C-Contract S	217 218 219 221 225 226 227 228 229 235 236 237 238			s s	29,000.00 114,000.00		-			\$ - \$ -	\$ \$	297.000.00
D-Cement Intermed D-Float Equipment & Centralizers D-Float Equipment & Centralizers D-Csg Crews & Equip D-Contract Labor D-Contract Sprvsn D-Contract Sprvsn D-Stat Csg/Tbg D-Mud Logging Unit D-Rentals-Subrace D-Mud Logging Unit D-Rentals-Subrace D-TackIng/ForkIIf/Rig Mob D-TuckIng/ForkIIf/Rig Mob D-TuckIng/ForkIIf/Rig Mob D-TuckIng/ForkIIf/Rig Mob D-Conting/ForkIIf/Rig Mob D-Conting/ForkIIf/Rig Mob D-Conting/ForkIIf/Rig Mob D-TuckIng/ForkIIf/Rig Mob D-TuckIng/ForkIIf/Rig Mob D-Contingency D-Contingency D-Contingency D-Contingency D-Emritise C-Contingency D-Emritise C-Completion OH C-Frac Chemicals C-Frac Proppant Transportation C-Frac Delivery & Services C-Contract Labor C-Contract Sprvsn C-Contract Sprvs	218 219 221 225 226 227 228 229 235 236 236 237 238				114,000.00					\$ -	\$	29,000.00
D-Float Equipment & Centralizers D-Contract Sprvsn D-Contract Sprvsn D-Contract Sprvsn D-Tstg Ceyst & Equip D-Contract Sprvsn D-Tstg Ceyst Reg D-Tstg Ceyst Reg D-Tstg Ceyst Reg D-Tstg Ceyst Reg D-Rentals-Susface D-Rentals-Susface D-Rentals-Susface D-Tstg Reg D-Tstg Reg D-Contingency D-Envrnmit/Clsd Loop C-VelligServices D-Contrigency D-Envrnmit/Clsd Loop C-Lettr/Hit/RigRods D-C-Completion OH C-Frac Equipment C-Frac Proppant C-Frac Surface C-Frae Proppant Transportation C-Frae Surface Rentals C-Contract Labor C-Completion C-Comparison C-Comparison C-Comparison C-Contract Labor C-Completion C-Contract Sprvsn C-Contract	221 222 225 226 227 228 229 235 236 237 238			s						\$ -	\$	114,000.00
D-CgCrews & Equip     D-CgCrews & Equip     D-Contract Labor     D-Contract Labor     D-Contract Sprvsn     D-Targ Csg/Tbg     D-Mud Logging Unit     D-Rentals-Subsrfc     D-Rentals-Subsrfc     D-Rentals-Subsrfc     D-Turcking/ForkIR/Rig Mob     D-Welding Services     D-Contingency     D-Gormant/Losd Loop     Cwellbore Frac Prep     C-Lth/Pits/Reads     C-Completion OH     C+Frac Equipment     C-Frac Surface     C-Frac Surface     Contract Labor     C-Company Sprvsn     C-Company Sprvsn     C-Contract Sprvsn     C-Con	222 225 226 227 228 229 235 236 237 238			e	168,000.00					\$-	\$	168,000.00
D-Contract Labor D-Company Sprvsn D-Company Sprvsn D-Tstg Csg/Tbg D-Mud Logging Unit D-Rentals-Surface D-Rentals-Surface D-Rentals-Surface D-Trucking/Forklift/Rig Mob D-Welding Services D-Contingency D-Completion OH C-Krac Equipment C-Frac Chemicals C-Frac Proppant Transportation C-Frac Surface Rentals C-Compared Sprvsn C-Compared Sprvsn C-Compared Sprvsn C-Contract Spr	225 226 227 228 229 235 236 237 238			\$	92,000.00					\$-	\$	92,000.00
D-Company Sprvsn D-Contract Sprvsn D-Tstg Csg/Tbg D-Mud Logging Unit D-Rentals-Subsrfc D-Rentals-Subsrfc D-Rentals-Subsrfc D-Turcking/Fork/IK/Rig Mob D-Welding Services D-Contingency D-Controllery (Sd Loop C-Wellbore Frac Prep C-Ctrn/Tbt/Roads C-Completion OH C-Frac Equipment C-Frac Chemicals C-Frac Proppant C-Frac Proppant C-Frac Proppant C-Frac Proppant C-Frac Proppant C-Frac Proppant C-Frac Surface Rentals C-Compary Sprvsn C-Compary Sprvsn C-Contract Sprv	226 227 228 229 235 236 237 238			\$	99,000.00					\$-	\$	99,000.00
D-Contract Sprvsn D-Tsig Csg/Tbg D-Tsig Csg/Tbg D-Tsig Csg/Tbg D-Rentals-Sufface D-Rentals-Sufface D-Trucking/ForKlift/Rig Mob D-Welding Services D-Contingency D-Contingency D-Envmmt/Csd1 Goop C-Completion OH C-Frac Equipment C-Frac Chemicals C-Frac Proppant Transportation C-Frac Surface Rentals C-Contract Labor C-Comparison C-Contract Sprvsn C-Contrac	227 228 229 235 236 237 238			\$	10,000.00		_			\$ -	\$	10,000.00
DT3g Csg/Tbg DMud Logging Unit DMud Logging Unit DMud Logging Unit DRentals-Subsrfac D-Rentals-Subsrfa D-Rentals-Subsrfa D-Rentals-Subsrfa D-Welding Services D-Contingency D-Envrnmit/Clsd Loop C-Wellborne Frac Prep C-Chrn/Brk/Roads C-Completion OH C-Frac Equipment C-Frac Chemicals C-Frac Chemicals C-Frac Chemicals C-Frac Chemicals C-Frac Rentals C-Contract Labor C-Company Sprssn C-Contract Sprssn C-Contra	228 229 235 236 237 238			\$ \$	66,000.00 165,000.00		_			\$ - \$ -	\$ \$	66,000.00 165,000.00
D-Mud Logging Unit D-Rentals Subsrfc D-Rentals Subsrfc D-Rentals Subsrfc D-Trucking/Forkilf/Rig Mob D-Welding Services D-Contingency D-Contingency D-Contingency D-Contingency D-Contingency D-Contingency C-Completion OH C-Frac Chemicals C-Frac Proppant Transportation C-Frac Surface Rentals C-Contact Labor C-Company Sprivin C-Contract S	229 235 236 237 238			s	61,000.00		-			\$ -	\$	61,000.00
D-Rentals-Surface D-Rentals-Surface D-Rentals-Subsrfc D-Trucking/ForKill/Rig Mob D-Welding Services D-Contingency D-Envrmmt/Cdsd Loop C-Wellbore frac Prep C-Leth/Pts/Roads C-Completion OH C-Frac Equipment C-Frac Chomicals C-Frac Proppant C-Antrac Labor C-Company Sprsn C-Contract Sprs	235 236 237 238			s	61,000.00					\$ -	\$	61,000.00
D-Rentals-Subsric D-Trucking/Forklif/Rig Mob D-Wielding Services D-Contingency D-Contingency D-EnvrimtI/Csd Loop C-Wellbore Frac Prep C-Cutry/Pis/Roads C-Completion OH C-Frac Equipment C-Frac Chemicals C-Frac Proppant C-Frac Proppant Transportation C-Frac Proppant Transportation C-Frac Proppant C-Frac Surface Rentals C-Contract Labor C-Compans Sprssn C-Contract Sprssn C	236 237 238			s	256,000.00					\$-	\$	256,000.00
D-Welding Services D-Contingency D-Contingency D-Demynmil/Lost Loop C-Wellbore Frac Prep C-Ltrn/Pts/Roads C-Completion OH C-Frac Equipment C-Frac Chemicals C-Frac Proppant C-Contract Labor C-Company Sprssn C-Contract	238			s	119,000.00					\$-	\$	119,000.00
D-Contingency D- D-EnvrmtU(SdL Gop C- CWellbore Frac Prep C- CLtn/Pits/Roads C- Campletion OH C- Frac Equipment C- Frac Chemicals C- Frac Proppant Transportation C- Frac Proppant Transportation C- Frac Poppant Transportation C- Frac Surface Rentals C- Contract Labor C- Company Sprvsn C- Contract Sprvsn C- Contract Sprvsn C-	238 243			s	244,000.00					\$-	\$	244,000.00
D-Enrimit/Ciscl Loop C-Wellbore Frac Prep C-Lcth/Pts/Roads C-Completion OH C-Frac Equipment C-Frac Chomicals C-Frac Proppant C-Frac Proppant Transportation C-Frac Proppant Transportation C-Frac Proppant Transportation C-Frac Proppant Transportation C-Frac Proppant Transportation C-Frac Surface Rentals C-Contract Labor C-Contract Labor C-Contract Sprvsn C-Antficial Lill Install	243			\$	5,000.00		_			\$ -	\$	5,000.00
CWellbone Frac Prep CLICh/Plts/Roads C.Completion OH C-Frac Equipment C-Frac Chemicals C-Frac Proppant Transportation C-Frac Proppant Transportation C-Frac Porpant Transportation C-Company Spress C-Contract Spress C-Contract Spress C-Contract Spress	244			S S	92,000.00 403.000.00		+			\$ - \$ -	\$ \$	92,000.00 403.000.00
CLCLT/PIS/Roads CLCompletion OH C-Crac Equipment C-Frac Equipment C-Frac Chemicals C-Frac Proppant C-Contract Labor C-Contract Labor C-Contract Sprvsn C	304			3	403,000.00	\$ 209,000.00				\$ -	\$	209,000.00
C-Completion OH C-Frac Equipment C-Frac Chemicals C-Frac Proppant C-Frac Proppant Transportation C-Frac Proppant Transportation C-Frac Proppant Transportation C-Frac Proppant Transportation C-Frac Proppant Transportation C-Frac Proppant Transportation C-Contract Labor C-Contract Labor C-Contract Sprvsn C-Contract Sprvsn C-Contract Sprvsn C-Contract Sprvsn	305					\$ 205,000.00	5			\$ -	\$	22,000.00
C-Frac Chomicals C-Frac Proppant C-Frac Proppant Transportation C-Frac Proppant Transportation C-Frac Belivery & Services C-Water C-Contract Labor C-Contract Labor C-Contract Labor C-Contract Sprvsn C-Contract Sprvsn C-Contract Sprvsn C-Contract Sprvsn	306					\$ 33,000.00	)			\$ -	\$	33,000.00
C-Frac Proppant C-Frac Proppant Transportation C-Frac Polevey & Services C-Water C-Water C-Frac Surface Rentals C-Contract Labor C-Company Sprvsn C-Contract	307					\$ 1,430,000.00				\$-	\$	1,430,000.00
C-Frac Proppant Transportation C-Fuel Delivery & Services C-Water C-Frac Surface Rentals C-Contract Labor C-Company Sprvsn C-Contract Sprvsn C-Artificial Lift Install	308					\$ 906,000.00				\$ -	\$	906,000.00
C-Fuel Delivery & Services C-Water C-Frac Surface Rentals C-Contract Labor C-Company Sprvsn C-Contract Sprvsn C-Artificial Lift Install	309					\$ 411,000.00				\$ - \$ -	\$	411,000.00
C-Water C-Frac Surface Rentals C-Contract Labor C-Company Sprvsn C-Contract Sprvsn C-Artificial Lift Install	310 311					\$ 639,000.00 \$ 92.000.00				\$ - \$ -	\$ \$	639,000.00 92,000.00
C-Frac Surface Rentals C-Contract Labor C-Company Sprvsn C-Contract Sprvsn C-Artificial Lift Install	312					\$ 604,000.00				\$ -	\$	604,000.00
C-Contract Labor C-Company Sprvsn C-Contract Sprvsn C-Artificial Lift Install	315					\$ 570.000.00				\$ -	\$	570,000.00
C-Contract Sprvsn C-Artificial Lift Install	325					\$ 22,000.00	5			\$-	\$	22,000.00
C-Artificial Lift Install	326					\$ 22,000.00	)			\$-	\$	22,000.00
C-Artificial Lift Install	327					\$ 305,000.00	-			s -	\$	305,000.00
	329					\$ 98,000.00				\$ - \$ -	\$ \$	98,000.00
C-Perf/Wireline Svc C-Trucking/Forklift/Rig Mob	331 337					\$ 702,000.00 \$ 22.000.00				\$ - \$ -	\$ \$	702,000.00 22,000.00
C-Water Disposal	339					\$ 22,000.00				\$ -	\$	87,000.00
C-Contingency	343					\$ 163.000.00				\$ -	\$	163,000.00
C-Dyed Diesel	345					\$ 342,000.00	)			\$-	\$	342,000.00
C-Drillout	346					\$ 652,000.00	)			\$-	\$	652,000.00
TB-Damages/Right of Way	351						\$	2,000.00		\$ -	\$	2,000.00
TB-Location/Pits/Roads	353						\$	45,000.00		\$ -	\$	45,000.00
TB-Contract Labor PEQ-Contract Labor	356 374						\$	244,000.00	\$ 18,000.00	\$ - \$ -	\$ \$	244,000.00 18.000.00
PEQ-Water Disposal	374								\$ 18,000.00 \$ 81,000.00		\$	81,000.00
PEQ-HRZ Well Offset Frac	391								\$ 9,000.00	\$ -	ŝ	9,000.00
Total Intangible Costs		\$-	\$-	\$	4,043,000.00	\$ 7,331,000.00	) \$	291,000.00	\$ 108,000.00	\$ -	\$	11,773,000.00
Tangible Costs							-1	1	•		1	
PEQ-Flowback Crews & Equip	392								\$ 49,000.00		\$	49,000.00
D-Surface Casing D-Intermed Csg	401 402			\$ \$	32,000.00 253,000.00		-			\$ - \$ -	\$ \$	32,000.00 253,000.00
D-Production Casing/Liner	402			\$ \$	628,000.00		-			s -	\$ \$	628,000.00
D-Wellhead Equip	405			s	115,000.00					\$ -	\$	115,000.00
C-Tubing	504			Ŧ	,	\$ 113,000.00	)			\$ -	\$	113,000.00
C-Wellhead Equip	505					\$ 61,000.00	)			\$-	\$	61,000.00
TB-Tanks	510						\$	78,000.00		\$-	\$	78,000.00
TB-Flowlines/Pipelines	511			I			\$	35,000.00		\$-	\$	35,000.00
TB-Htr Trtr/Seprtr TB-Electrical System/Equipment	512 513			I			\$ \$	251,000.00 154,000.00		\$ - \$ -	\$ \$	251,000.00 154,000.00
C-Pckrs/Anchors/Hgrs	513					\$ 142,000.00	)	154,000.00		s -	\$ \$	154,000.00
TB-Couplings/Fittings/Valves	515			1		+ 1-12,000.00	\$	261,000.00		\$ -	\$	261,000.00
TB-Pumps-Surface	521						\$	35,000.00		\$-	\$	35,000.00
TB-Instrumentation/SCADA/POC	522			L			\$	26,000.00		\$ -	\$	26,000.00
TB-Miscellaneous	523						\$	26,000.00		\$ -	\$	26,000.00
TB-Meters/Lacts	525						\$	35,000.00		\$-	\$	35,000.00
TB-Flares/Combusters/Emission	526 527			I		¢ == 000.00	\$	42,000.00		\$ -	\$	42,000.00 55,000.00
C-Gas Lift/Compression PEO-Wellbead Equipment	527		+			\$ 55,000.00	,		\$ 18,000,00	\$ - \$ -	\$	55,000.00
Total Tangible Costs	551	s -	s -	s	1,028,000.00	\$ 371,000.00	) \$	943,000.00			\$	2,409,000.00
					, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Total Gross Cost				e	E 07: 000 C							14 102 000 00
Note: The above costs are estimates only. A			\$ -	\$	5,071,000.00	\$ 7,702,000.00	1 2	1,234,000.00	\$ 175,000.00	\$-	\$	14,182,000.00

COG Operating LLC

By:

We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC By:

SI	ne FLAMING SNAIL HL 655 FNL, 975 FE HL 200 FSL, 1300 F NOI FCAMP	L	OR UNIT A OR UNIT P	T25S-R27E T26S-R27E				State & County Objective	t ATLAS 2527 V NEW MEXICO, EDDY DRILL & COMPLETE 1 24,265		
		3, 25S-27E & ALL SEC 4, 26S	27E					TVE	<b>0</b> 8,925		
ost Description	Code	PreSpud (PS)	Pre-Set Casing(PC	1	Drilling (DR)	Completions (C	Tank Btty Constrctn(TE	B) Pmpq Equip (PEQ	) Revisio	n	Tota
tangible Costs				<b>/</b>							
-Lctn/Pits/Roads	205			s	145,000.00				\$ -	\$	145,000.00
-Drilling Overhead	206			\$	11,000.00				\$ -	\$	11,000.00
Daywork Contract	209			\$	789,000.00				\$ - \$ -	\$ \$	789,000.00
-Directional Drlg Services -Fuel & Power	210			s	421,000.00 136,000.00				\$ - \$ -	\$	
-Water	211			s c	135,000.00				s -	ې ۲	136,000.00
Bits	212			3 ¢	145,000.00				\$ -	\$	145.000.00
-Mud & Chemicals	214			s	297,000.00				\$ -	\$	297,000.00
-Cement Surface	217			s	29,000.00				\$ -	\$	29,000.0
Cement Intermed	218			S	114,000.00				\$-	\$	114,000.0
-Prod-2nd Int Cmt	219			s	168,000.00				\$-	\$	168,000.0
Float Equipment & Centralizers	221			s	92,000.00				\$-	\$	92,000.0
-Csg Crews & Equip	222			s	99,000.00				\$-	\$	99,000.00
-Contract Labor	225			\$	10,000.00				\$ -	\$	10,000.00
-Company Sprvsn	226			\$	66,000.00			+	\$ -	\$	66,000.00
-Contract Sprvsn	227		+	\$	165,000.00			+	\$ -	\$	165,000.0
-Tstg Csg/Tbg -Mud Logging Unit	228			s	61,000.00			-	\$ - \$ -	\$ \$	61,000.0
-Mud Logging Unit -Rentals-Surface	229		+	5 e	61,000.00 256,000.00			+	\$ - \$ -	\$	256,000.0
Rentals-Surrace	235		1	s	256,000.00				s -	\$	256,000.0
Trucking/Forklift/Rig Mob	230		1	s	244,000.00				s -	ş S	244,000.0
Welding Services	238			s	5,000.00				\$ -	\$	5,000.0
-Contingency	243			s	92,000.00				\$ -	\$	92,000.0
Envrnmtl/Clsd Loop	244			s	403,000.00				\$ -	\$	403,000.0
Wellbore Frac Prep	304					\$ 209,000.00			\$ -	\$	209,000.0
Lctn/Pits/Roads	305					\$ 22,000.00			\$-	\$	22,000.00
Completion OH	306					\$ 33,000.00			\$-	\$	33,000.00
Frac Equipment	307					\$ 1,430,000.00			\$-	\$	1,430,000.00
Frac Chemicals	308					\$ 906,000.00			\$-	\$	906,000.0
Frac Proppant	309					\$ 411,000.00			\$ -	\$	411,000.00
Frac Proppant Transportation	310					\$ 639,000.00			\$ -	\$	639,000.00
Fuel Delivery & Services	311					\$ 92,000.00			\$ -	\$	92,000.00
Water Frac Surface Rentals	312					\$ 604,000.00			\$ - \$ -	\$	604,000.00 570.000.00
Contract Labor	325					\$ 570,000.00 \$ 22,000.00			\$ -	\$	22,000.00
Company Sprysn	326					\$ 22,000.00			\$ -	s	22,000.00
Contract Sprvsn	327					\$ 305,000.00			\$ -	ŝ	305.000.00
Artificial Lift Install	329					\$ 98,000.00			s -	\$	98,000.00
Perf/Wireline Svc	331					\$ 702,000.00			\$ -	\$	702,000.00
Trucking/Forklift/Rig Mob	337					\$ 22,000.00			\$-	\$	22,000.00
Water Disposal	339					\$ 87,000.00			\$-	\$	87,000.00
Contingency	343					\$ 163,000.00			\$-	\$	163,000.00
Dyed Diesel	345					\$ 342,000.00			\$-	\$	342,000.00
Drillout	346					\$ 652,000.00			\$.	\$	652,000.00
B-Damages/Right of Way	351						\$ 2,000.0		\$ -	\$	2,000.00
B-Location/Pits/Roads B-Contract Labor	353						\$ 45,000.0		\$ - \$ -	\$ \$	45,000.00
EQ-Contract Labor	356						\$ 244,000.0			\$	244,000.00
EQ-Water Disposal	374							\$ 18,000.00 \$ 81.000.00	s -	\$	81,000.00
EQ-HRZ Well Offset Frac	391							\$ 9,000,00		ې ۲	9.000.00
otal Intangible Costs	551	s -	s -	S	4,043,000.00	\$ 7,331,000.00	\$ 291,000.00			\$	11,773,000.00
5			1.		,,	, ,,	, ,,,				, .,
angible Costs											
EQ-Flowback Crews & Equip	392							\$ 49,000.00	\$-	\$	49,000.0
Surface Casing	401			\$	32,000.00	-			\$-	\$	32,000.00
Intermed Csg	402			\$	253,000.00				\$ -		253,000.0
Production Casing/Liner	403			\$	628,000.00			-	\$.	\$	628,000.0
Wellhead Equip	405			\$	115,000.00			+	\$ -	\$	115,000.0
-Tubing	504		+			\$ 113,000.00		+	\$ -	\$	113,000.0
Wellhead Equip 3-Tanks	505		+			\$ 61,000.00	\$ 78,000.00		\$ - \$ -	\$ \$	61,000.0
3-Flowlines/Pipelines	510						\$ 78,000.00 \$ 35,000.00		\$ - \$ -	\$	78,000.0
-Htr Trtr/Seprtr	511		+				\$ 35,000.00		s -	\$	251,000.0
B-Electrical System/Equipment	512		1	1			\$ 154,000.00		s -	ې ۲	154.000.0
Pckrs/Anchors/Hgrs	514		1	1		\$ 142,000.00		1	\$ -	\$	142,000.0
-Couplings/Fittings/Valves	515	1	1			,	\$ 261,000.00	)	\$ -	\$	261,000.0
-Pumps-Surface	521						\$ 35,000.00		\$ -	\$	35,000.0
-Instrumentation/SCADA/POC	522						\$ 26,000.00		\$-	\$	26,000.0
-Miscellaneous	523						\$ 26,000.00	)	\$-	\$	26,000.0
-Meters/Lacts	525						\$ 35,000.00		\$-	\$	35,000.0
-Flares/Combusters/Emission	526						\$ 42,000.00	)	\$ -	\$	42,000.0
Gas Lift/Compression	527					\$ 55,000.00		1	\$ -	\$	55,000.0
Q-Wellhead Equipment	531							\$ 18,000.00	+	\$	18,000.0
otal Tangible Costs		\$.	\$ -	\$	1,028,000.00	\$ 371,000.00	\$ 943,000.00	\$ 67,000.00	\$ .	\$	2,409,000.0
		•	1					\$ 175,000.00		\$	14,182,000.0
otal Gross Cost			S -	S	5,071,000.00	\$ 7,702,000.00	\$ 1,234,000.00				

COG Operating LLC

By:

## We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC

By:

	SHL BHL	FLAMING SNAIL 655 FNL, 1005 FI 200 FSL, 1785 FE WOLFCAMP	EL	OR UNIT A OR UNIT O	T25S-R27 T26S-R27				State & County Objective	ATLAS 2527 NEW MEXICO, EDDY DRILL & COMPLETE 24,265		
			3, 25S-27E & ALL SEC 4, 26S	-27E					TVD	8,925		
ost Description		Code	PreSpud (PS	) Pre-Set Casi	ng(PC)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revision	1	То
tangible Costs									1		-	
-Lctn/Pits/Roads -Drilling Overhead		205 206			s	145,000.00				\$ - \$ -	\$ \$	145,000.0
-Daywork Contract		200			s	789,000.00				s -	ş S	789.000.0
-Directional Drlg Services		210			s	421,000.00				\$ -	\$	421,000.0
-Fuel & Power		211			s	136,000.00				\$-	\$	136,000.0
-Water		212			s	115,000.00				\$ -	\$	115,000.0
-Bits -Mud & Chemicals		213 214			s	145,000.00				\$ - \$ -	\$ \$	145,000.0
-Wud & Chemicals -Cement Surface		214			\$	297,000.00				\$ - \$ -	\$ \$	297,000.0
-Cement Intermed		218			s	114,000.00				\$ -	\$	114,000.0
-Prod-2nd Int Cmt		219			\$	168,000.00				\$-	\$	168,000.0
-Float Equipment & Centra	alizers	221			\$	92,000.00				\$-	\$	92,000.0
-Csg Crews & Equip		222			s	99,000.00				\$ -	\$	99,000.0
-Contract Labor		225 226			s	10,000.00				\$ - \$ -	\$ \$	10,000.0
-Company Sprvsn -Contract Sprvsn		220		+	s	66,000.00 165,000.00				\$ - \$	\$	165,000.0
D-Tstg Csg/Tbg		228		1	s	61,000.00		1		\$ -	\$	61,000.0
O-Mud Logging Unit		229			s	61,000.00				\$-	\$	61,000.0
-Rentals-Surface		235		-	s	256,000.00				\$ -	\$	256,000.0
-Rentals-Subsrfc		236			s	119,000.00				\$ -	\$	119,000.0
D-Trucking/Forklift/Rig Mob	D	237 238		+	\$ \$	244,000.00				\$ - \$ -	\$ \$	244,000.0 5.000.0
D-Welding Services D-Contingency		238			\$					\$ -	\$	5,000.0
D-Envrnmtl/Clsd Loop		243			s	92,000.00 403,000.00				\$ -	\$	403,000.0
-Wellbore Frac Prep		304			Ť		\$ 209,000.00			\$ -	\$	209,000.0
-Lctn/Pits/Roads		305					\$ 22,000.00			\$-	\$	22,000.0
C-Completion OH		306					\$ 33,000.00			\$-	\$	33,000.0
-Frac Equipment		307					\$ 1,430,000.00			\$-	\$	1,430,000.0
-Frac Chemicals -Frac Proppant		308 309					\$ 906,000.00 \$ 411,000.00			\$ - \$ -	\$ \$	906,000.0
-Frac Proppant -Frac Proppant Transporta	ation	309					\$ 411,000.00			\$ - \$ -	\$ \$	639.000.0
-Fuel Delivery & Services		311					\$ 92,000.00			\$-	\$	92,000.00
-Water		312					\$ 604,000.00			\$ -	\$	604,000.00
C-Frac Surface Rentals		315					\$ 570,000.00			\$-	\$	570,000.0
C-Contract Labor		325					\$ 22,000.00			\$ -	\$	22,000.00
C-Company Sprvsn		326					\$ 22,000.00			\$ - \$ -	\$	22,000.0
C-Contract Sprvsn C-Artificial Lift Install		327 329					\$ 305,000.00 \$ 98,000.00			\$ - \$ -	\$ \$	305,000.0 98,000.0
-Perf/Wireline Svc		331					\$ 702,000.00			\$ -	s	702.000.0
-Trucking/Forklift/Rig Mob	D	337					\$ 22,000.00			\$ -	\$	22,000.0
-Water Disposal		339					\$ 87,000.00			\$-	\$	87,000.0
C-Contingency		343					\$ 163,000.00			\$-	\$	163,000.0
C-Dyed Diesel		345 346					\$ 342,000.00			\$ - \$ -	\$ \$	342,000.0
C-Drillout B-Damages/Right of Way		346 351					\$ 652,000.00	¢ 0.000.00		\$ - \$ -	\$	2,000.0
B-Location/Pits/Roads		353						\$ 2,000.00 \$ 45,000.00		\$ -	\$	45,000.0
B-Contract Labor		356						\$ 244,000.00		\$ -	\$	244,000.0
EQ-Contract Labor		374							\$ 18,000.00	\$-	\$	18,000.0
EQ-Water Disposal		387							\$ 81,000.00		\$	81,000.0
EQ-HRZ Well Offset Frac		391	-						\$ 9,000.00	\$ -	\$	9,000.0
otal Intangible Costs			\$-	\$	- \$	4,043,000.00	\$ 7,331,000.00	\$ 291,000.00	\$ 108,000.00	\$-	\$	11,773,000.0
angible Costs												
EQ-Flowback Crews & Equi	ıip	392							\$ 49,000.00	\$ -	\$	49,000.0
-Surface Casing		401			\$	32,000.00				\$-	\$	32,000.0
-Intermed Csg		402			\$	253,000.00	-			\$-	\$	253,000.0
-Production Casing/Liner		403			\$	628,000.00				\$ -	\$	628,000.0
-Wellhead Equip		405 504			\$	115,000.00	\$ 113.000.00			\$ - \$ -	\$	115,000.0
-Tubing -Wellhead Equip		504					\$ 113,000.00 \$ 61,000.00			\$ - \$ -	\$ \$	113,000.0
B-Tanks		510		1			÷ 01,000.00	\$ 78,000.00		\$ -	\$	78,000.0
B-Flowlines/Pipelines		511		1				\$ 35,000.00		\$ -	\$	35,000.0
B-Htr Trtr/Seprtr		512						\$ 251,000.00		\$-	\$	251,000.0
B-Electrical System/Equipn	ment	513					-	\$ 154,000.00		\$ -	\$	154,000.0
Pckrs/Anchors/Hgrs	-	514					\$ 142,000.00			\$ -	\$	142,000.0 261.000.0
B-Couplings/Fittings/Valve B-Pumps-Surface	!5	515 521		-				\$ 261,000.00 \$ 35,000.00		\$ - \$ -	\$	261,000.0 35,000.0
B-Pumps-Surrace B-Instrumentation/SCADA	/POC	521		+				\$ 35,000.00 \$ 26,000.00		\$ - \$ -	\$	26,000.0
B-Miscellaneous	,	523		1				\$ 26,000.00		\$ -	\$	26,000.0
B-Meters/Lacts		525		1				\$ 35,000.00		\$ -	\$	35,000.0
	ssion	526						\$ 42,000.00		\$-	\$	42,000.0
B-Flares/Combusters/Emis		527					\$ 55,000.00			s -	\$	55,000.0
-Gas Lift/Compression								1	\$ 18,000,00	s -	s	18,000.0
Gas Lift/Compression		531				4 000 000 1						
Gas Lift/Compression		531	\$-	\$	- \$	1,028,000.00	\$ 371,000.00	\$ 943,000.00			\$	2,409,000.0

COG Operating LLC

By:

## We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC

By:

SI	ne FLAMING SNAIL HL 655 FNL, 1035 F HL 200 FSL, 2270 F	EL	OR UNIT A OR UNIT O	T25S-R27 T26S-R27				State & County Objective	ATLAS 2527 NEW MEXICO, EDDY DRILL & COMPLETE	
	on WOLFCAMP al ALL SECS 28 & 3	3, 25S-27E & ALL SEC 4, 265	-27E					Depth TVD	24,265 8,925	
ost Description	Code	PreSpud (PS	6) Pre-Set Casing(	PC)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revision	1
tangible Costs Lctn/Pits/Roads	205	r	1			r		[	s -	\$ 145,0
Drilling Overhead	203			s	145,000.00				\$ -	\$ 143,0
Daywork Contract	209			s	789,000.00				\$ -	\$ 789,0
Directional Drlg Services	210			\$	421,000.00				\$-	\$ 421,0
Fuel & Power	211			\$	136,000.00				\$-	\$ 136,0
Water	212			s	115,000.00				\$-	\$ 115,0
Bits	213			\$	145,000.00				\$-	\$ 145,0
Mud & Chemicals Cement Surface	214			s	297,000.00				s - s -	\$ 297,0 \$ 29.0
Cement Intermed	217			s	29,000.00 114,000.00				\$ -	\$ 29,0
Prod-2nd Int Cmt	219			s	168,000.00				\$ -	\$ 168,0
Float Equipment & Centralizers	221			s	92,000.00				s -	\$ 92,0
Csg Crews & Equip	222			s	99,000.00				\$-	\$ 99,0
Contract Labor	225			\$	10,000.00				\$-	\$ 10,0
Company Sprvsn	226			\$	66,000.00				\$-	\$ 66,0
Contract Sprvsn	227			\$	165,000.00				\$.	\$ 165,0
Tstg Csg/Tbg	228			\$	61,000.00				\$ -	\$ 61,0
Mud Logging Unit	229			s	61,000.00				\$ -	\$ 61,0
Rentals-Surface Rentals-Subsrfc	235		-	s	256,000.00				\$ - ¢	\$ 256,0 \$ 119.0
	236		-	s	119,000.00				\$ - \$ -	\$ 119,0 \$ 244,0
Trucking/Forklift/Rig Mob Welding Services	237		+	s	244,000.00 5,000.00				\$ - \$ -	\$ 244,0 \$ 5,0
Contingency	238		1	s	92,000.00				\$ - \$	\$ 92,0
Envrnmtl/Clsd Loop	243		1	s	403,000.00				\$ -	\$ 403,0
Wellbore Frac Prep	304		1	-	+00,000.00	\$ 209,000.00			\$ -	\$ 209,0
Lctn/Pits/Roads	305					\$ 22,000.00			\$ -	\$ 22,0
Completion OH	306					\$ 33,000.00			\$-	\$ 33,0
Frac Equipment	307					\$ 1,430,000.00			\$-	\$ 1,430,0
Frac Chemicals	308					\$ 906,000.00			\$-	\$ 906,0
Frac Proppant	309					\$ 411,000.00			\$-	\$ 411,0
Frac Proppant Transportation	310					\$ 639,000.00			\$-	\$ 639,0
Fuel Delivery & Services	311					\$ 92,000.00			\$ -	\$ 92,0
Water	312					\$ 604,000.00			s -	\$ 604,0
Frac Surface Rentals	315					\$ 570,000.00			\$-	\$ 570,0
Contract Labor Company Sprysn	325					\$ 22,000.00 \$ 22,000.00			\$ - \$ -	\$ 22,0 \$ 22.0
Contract Sprvsn	320			-		\$ 22,000.00			ş -	\$ 305,0
Artificial Lift Install	329					\$ 98,000.00			\$-	\$ 98,0
Perf/Wireline Svc	331					\$ 702.000.00			s -	\$ 702.0
Trucking/Forklift/Rig Mob	337					\$ 22,000.00			\$ -	\$ 22,0
Water Disposal	339					\$ 87,000.00			\$ -	\$ 87,0
Contingency	343					\$ 163,000.00			\$-	\$ 163,0
Dyed Diesel	345					\$ 342,000.00			\$-	\$ 342,0
Drillout	346					\$ 652,000.00			\$-	\$ 652,0
-Damages/Right of Way	351						\$ 2,000.00		\$ -	\$ 2,0
-Location/Pits/Roads	353						\$ 45,000.00		\$ -	\$ 45,0
-Contract Labor O-Contract Labor	356						\$ 244,000.00		\$ - \$ -	\$ 244,0 \$ 18.0
Q-Water Disposal	374							\$ 18,000.00 \$ 81,000.00		\$ 81,0
Q-Water Disposal	387							\$ 81,000.00		\$ 81,0
tal Intangible Costs	351	s -	S	- \$	4,043,000.00	\$ 7,331,000.00	\$ 291,000.00		Ŧ	\$ 11,773,0
		•	•	1.	.,,	• .,,	•	•	•	• • • • • • • • •
ingible Costs										
Q-Flowback Crews & Equip	392							\$ 49,000.00	\$-	\$ 49,0
Surface Casing	401			\$	32,000.00		-		\$-	\$ 32,0
ntermed Csg	402			\$	253,000.00				\$ -	\$ 253,0
Production Casing/Liner	403			\$	628,000.00				\$ -	\$ 628,0
Wellhead Equip	405			\$	115,000.00				\$ -	\$ 115,0
Fubing	504		+			\$ 113,000.00 \$ 61.000.00			\$ -	\$ 113,0 \$ 61.0
Vellhead Equip	505					\$ 61,000.00	\$ 78.000.00		\$ -	
-Tanks -Flowlines/Pipelines	510		-				\$ 78,000.00 \$ 35,000.00		\$ - \$ -	\$ 78,0 \$ 35,0
Htr Trtr/Seprtr	511						\$ 251,000.00		\$ -	\$ 251,0
Electrical System/Equipment	512		1	-			\$ 154,000.00		э - S -	\$ 154.0
ckrs/Anchors/Hgrs	514		1	-		\$ 142,000.00			\$ -	\$ 142,0
-Couplings/Fittings/Valves	515	1	1			,,	\$ 261,000.00		\$ -	\$ 261,0
-Pumps-Surface	521						\$ 35,000.00		\$ -	\$ 35,0
Instrumentation/SCADA/POC	522						\$ 26,000.00		\$-	\$ 26,0
-Miscellaneous	523						\$ 26,000.00		\$-	\$ 26,0
-Meters/Lacts	525						\$ 35,000.00		\$-	\$ 35,0
-Flares/Combusters/Emission	526						\$ 42,000.00		\$ -	\$ 42,0
Gas Lift/Compression	527		-			\$ 55,000.00		-	\$-	\$ 55,0
Q-Wellhead Equipment	531			-				\$ 18,000.00		\$ 18,0
otal Tangible Costs		\$ .	\$	- \$	1,028,000.00	\$ 371,000.00	\$ 943,000.00	\$ 67,000.00	\$ .	\$ 2,409,0
otal Gross Cost		c	\$	- \$	5,071,000.00	\$ 7,702,000.00	\$ 1,234,000.00	\$ 175,000.00	c	\$ 14,182,0

COG Operating LLC

By:

## We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC By:

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

	Name FLAMING SNAIL SHL 705 FNL, 1775 F BHL 200 FSL, 2490 F nation WOLFCAMP	WL	OR UNIT C OR UNIT N	T25S-R27E T26S-R27E					State & County Objective	ATLAS 2527 NEW MEXICO, EDDY DRILL & COMPLETE 24,265		
		3, 25S-27E & ALL SEC 4, 26S	-27E						TVD	8,925		
ost Description	Code	PreSpud (PS	) Pre-Set Casing(PC	3	Drilling (DR)	Completions (C	Tank Btty Constrctn	TB)	Pmpq Equip (PEQ)	Rev	ision	Tota
tangible Costs		i i copud (i c	/ The out outsing(i e	<b>7</b>	Drining (Driv)	Completions (C	Tank billy construct		( Ldup ( Ldu)			
-Lctn/Pits/Roads	205			\$	145,000.00					\$	- 9	
-Drilling Overhead	206			\$	11,000.00					\$	- \$	
-Daywork Contract	209			\$	789,000.00					\$	- 9	
-Directional Drlg Services	210			s	421,000.00					\$ \$	- 9	
-Fuel & Power -Water	211 212			\$	136,000.00					s	- 3	
-Bits	212			s c	145,000.00					\$	- 9	
-Mud & Chemicals	214			s	297,000.00					s	- 9	
-Cement Surface	217			s	29,000.00					s	- 9	
-Cement Intermed	218			s	114,000.00					\$	- \$	\$ 114,000.0
-Prod-2nd Int Cmt	219			S	168,000.00					\$	- 9	
-Float Equipment & Centralizers	221			s	92,000.00					\$	- 1	
-Csg Crews & Equip	222			s	99,000.00					\$	- 9	
-Contract Labor	225			s	10,000.00					\$	- 1	
-Company Sprvsn	226			\$	66,000.00		1			\$	- 1	
-Contract Sprvsn	227		+	\$	165,000.00		+			\$	- 1	
-Tstg Csg/Tbg -Mud Logging Lipit	228			s	61,000.00		+			\$ \$	- 9	
-Mud Logging Unit				\$	61,000.00		-					
-Rentals-Surface -Rentals-Subsrfc	235			s	256,000.00 119.000.00					\$ \$	- 9	
-Rentals-Subsric -Trucking/Forklift/Rig Mob	236			5	119,000.00 244,000.00					s	- 3	
-Welding Services	238			s c	5,000.00					\$	- 9	
-Contingency	243		1	s	92,000.00		1			s	- 4	
-Envrnmtl/Clsd Loop	244			s	403,000.00					s	- 9	
-Wellbore Frac Prep	304			1		\$ 209,000.00	1			\$	- 9	\$ 209,000.0
-Lctn/Pits/Roads	305					\$ 22,000.00				\$	- 9	
-Completion OH	306					\$ 33,000.00				\$	- 9	\$ 33,000.0
-Frac Equipment	307					\$ 1,430,000.00				\$	-	
-Frac Chemicals	308					\$ 906,000.00				\$	-	
-Frac Proppant	309					\$ 411,000.00				\$	- 9	
-Frac Proppant Transportation	310					\$ 639,000.00				\$	- \$	
-Fuel Delivery & Services	311					\$ 92,000.00				\$	- 9	
-Water	312					\$ 604,000.00				\$	- 9	
-Frac Surface Rentals	315					\$ 570,000.00				\$	- 9	
-Contract Labor -Company Sprysn	325					\$ 22,000.00 \$ 22,000.00				\$ \$		
Contract Sprvsn	320					\$ 22,000.00				ş S	- 9	
-Artificial Lift Install	329					\$ 305,000.00				\$	- 9	
-Perf/Wireline Svc	331					\$ 702.000.00				s	- 9	
-Trucking/Forklift/Rig Mob	337					\$ 22,000.00				\$	- 1	\$ 22,000.0
-Water Disposal	339					\$ 87,000.00				\$	- 9	\$ 87,000.0
-Contingency	343					\$ 163,000.00				\$	- 1	6 163,000.0
-Dyed Diesel	345					\$ 342,000.00				\$	-	
-Drillout	346					\$ 652,000.00				\$	- 9	
B-Damages/Right of Way	351						\$ 2,00			\$	- \$	
B-Location/Pits/Roads	353						\$ 45,00			\$	- 1	
B-Contract Labor EQ-Contract Labor	356						\$ 244,00	0.00		\$ \$	- 1	
EQ-Water Disposal	374			_				\$	18,000.00 81,000.00	s	- 9	
EQ-Water Disposal EQ-HRZ Well Offset Frac	391							\$	9,000.00		- 9	
otal Intangible Costs	551	s -	s -	s	4,043,000.00	\$ 7,331,000.00	\$ 291.000	.00 \$	108,000.00		- 4	
g		·	,		.,	• .,,.	•		,	•		,
angible Costs												
EQ-Flowback Crews & Equip	392							\$	49,000.00	\$	- 9	
Surface Casing	401			\$	32,000.00		1			\$	- 1	\$ 32,000.0
Intermed Csg	402			\$	253,000.00					\$	- 1	
Production Casing/Liner	403			\$	628,000.00					\$	- 1	
-Wellhead Equip	405			\$	115,000.00			_		\$	- 9	
Tubing	504			-		\$ 113,000.00		_		\$	- 9	
Wellhead Equip	505		+			\$ 61,000.00				\$	- 1	
B-Tanks	510						\$ 78,000 \$ 35,000			\$ \$	- 9	
B-Flowlines/Pipelines B-Htr Trtr/Seprtr	511			+			\$ 35,000			\$ \$	- 9	
8-Electrical System/Equipment	512		+	+			\$ 251,000			s	- 3	
Pckrs/Anchors/Hgrs	513		1	+		\$ 142,000.00	- 134,000			\$	- 9	
-Couplings/Fittings/Valves	515		1				\$ 261,000	.00		s	- 9	
-Pumps-Surface	521			1			\$ 35,000			s	- 9	
-Instrumentation/SCADA/POC	522			1			\$ 26,000			\$	- 9	
-Miscellaneous	523			1			\$ 26,000			\$	- 1	
8-Meters/Lacts	525						\$ 35,000	.00		\$	- 1	
-Flares/Combusters/Emission	526						\$ 42,000	.00		\$	- 9	
Gas Lift/Compression	527					\$ 55,000.00				\$	- 9	
Q-Wellhead Equipment	531							\$	18,000.00		-	
tal Tangible Costs		\$ -	\$ -	\$	1,028,000.00	\$ 371,000.00	\$ 943,000	.00 \$	67,000.00	\$	- 5	\$ 2,409,000.0
otal Gross Cost		•	s -	S	5,071,000.00	\$ 7,702,000.00	\$ 1,234,000		175,000.00		- \$	\$ 14,182,000.0

COG Operating LLC

By:

## We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC By:

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

	Well Name FLAMING SNA SHL 705 FNL, 1745 BHL 200 FSL, 2005 Formation WOLFCAMP Legal ALL SECS 28 &	FWL	OR UNIT C OR UNIT N 5-27E	T25S-R27E T26S-R27E			State & County Objective Depth	ATLAS 2527 NEW MEXICO, EDDY DRILL & COMPLETE 24,265 8,925		
Cost Description	Cod	BroCoud /B	<li>Pre-Set Casing(PC)</li>	Drilling (DE	Completions (C	Tank Btty Constrctn(TB)	Down a Equin (DEO)	Revision		То
ntangible Costs		e PreSpud (PS	) The Set Cashig(FC)	Drilling (DF	() Completions (C	Tank bity constructi(Tb)	Pmpq Equip (PEQ)		-	10
P-Lctn/Pits/Roads	20			\$ 145,000.0				\$-	\$	145,000.0
-Drilling Overhead	20			\$ 11,000.0				\$-	\$	11,000.0
-Daywork Contract	20		+	\$ 789,000.0		+		s -	\$	789,000.0
-Directional Drlg Service				\$ 421,000.0				\$ - \$ -	\$	421,000.0
-Fuel & Power	21			\$ 136,000.0 \$ 115,000.0				\$ - \$ -	\$ \$	136,000.0
Bits	21			\$ 115,000.0				\$ - \$ -	ş S	145,000.0
-Mud & Chemicals	21			\$ 297,000.0				\$ -	\$	297,000.0
-Cement Surface	21			\$ 29,000.0				\$ -	\$	29,000.0
-Cement Intermed	21	В		\$ 114,000.0				\$-	\$	114,000.0
-Prod-2nd Int Cmt	21			\$ 168,000.0				\$-	\$	168,000.0
-Float Equipment & Cent				\$ 92,000.0				\$-	\$	92,000.0
O-Csg Crews & Equip	22			\$ 99,000.0				\$-	\$	99,000.0
-Contract Labor	22			\$ 10,000.0				\$ -	\$	10,000.0
-Company Sprvsn	22		+	\$ 66,000.0		+		\$ -	\$	66,000.0
D-Contract Sprvsn D-Tstg Csg/Tbg	22	0		\$ 165,000.0				s - s -	\$ \$	165,000.0
D-Tistg Csg/Tbg D-Mud Logging Unit	22			\$ 61,000.0				\$ - \$ -	\$	61,000.0
-Nud Logging Unit D-Rentals-Surface	22		+	\$ 61,000.0 \$ 256,000.0				\$ -	\$ \$	256,000.0
-Rentals-Subsrfc	23		1	\$ 256,000.0				s -	\$	119.000.0
D-Trucking/Forklift/Rig Me				\$ 244,000.0				\$-	\$	244,000.0
D-Welding Services	23		1	\$ 5,000.0				\$ -	\$	5,000.0
D-Contingency	24	3		\$ 92,000.0				\$ -	\$	92,000.0
D-Envrnmtl/Clsd Loop	24			\$ 403,000.0				\$-	\$	403,000.0
C-Wellbore Frac Prep	30				\$ 209,000.00			\$-	\$	209,000.0
C-Lctn/Pits/Roads	30				\$ 22,000.00			\$-	\$	22,000.0
C-Completion OH	30				\$ 33,000.00			\$-	\$	33,000.0
-Frac Equipment	30				\$ 1,430,000.00			s -	\$	1,430,000.0
-Frac Chemicals	30				\$ 906,000.00			\$-	\$	906,000.0
-Frac Proppant	30 tation 31				\$ 411,000.00			\$ - \$ -	\$	411,000.0
C-Frac Proppant Transpor C-Fuel Delivery & Services	31				\$ 639,000.00 \$ 92,000.00			\$ -	\$	92,000.0
-Water	31				\$ 92,000.00			\$ -	\$	604,000.0
C-Frac Surface Rentals	31				\$ 570,000.00			\$ -	ŝ	570.000.0
-Contract Labor	32				\$ 22,000.00			\$ -	ŝ	22,000.0
C-Company Sprvsn	32				\$ 22,000.00			\$ -	\$	22,000.0
C-Contract Sprvsn	32				\$ 305,000.00			\$-	\$	305,000.0
-Artificial Lift Install	32				\$ 98,000.00			\$-	\$	98,000.0
C-Perf/Wireline Svc	33				\$ 702,000.00			\$-	\$	702,000.0
C-Trucking/Forklift/Rig Mo					\$ 22,000.00			\$-	\$	22,000.0
-Water Disposal	33				\$ 87,000.00			\$ -	\$	87,000.0
C-Contingency	34				\$ 163,000.00			\$-	\$	163,000.0
C-Dyed Diesel C-Drillout	34				\$ 342,000.00 \$ 652,000.00			\$ - \$ -	\$ \$	342,000.0
-Drillout B-Damages/Right of Way					\$ 652,000.00	¢ 0.000.00		\$ -	э \$	2.000.0
B-Damages/Right of Way B-Location/Pits/Roads	35		+	+	+	\$ 2,000.00 \$ 45,000.00		\$ - \$ -	\$ \$	45,000.0
B-Contract Labor	33					\$ 45,000.00		s -	\$	244.000.0
EQ-Contract Labor	37		1	1	1	- 244,000.00	\$ 18,000.00		\$	18,000.0
EQ-Water Disposal	38						\$ 81,000.00		\$	81,000.0
EQ-HRZ Well Offset Frac	39						\$ 9,000.00		\$	9,000.0
otal Intangible Costs		\$ -	\$ -	\$ 4,043,000.00	\$ 7,331,000.00	\$ 291,000.00			\$	11,773,000.0
angible Costs		-1	1							
EQ-Flowback Crews & Eq					+		\$ 49,000.00		\$	49,000.0
-Surface Casing	40		+	\$ 32,000.00 \$ 253,000.00				\$ -	\$	32,000.0
I-Intermed Csg	40		+	+				\$ -	\$	253,000.0
P-Production Casing/Liner P-Wellhead Equip	40		+	\$ 628,000.00 \$ 115.000.00				s - s -	\$ \$	628,000.0
-Tubing	40		+	φ 115,000.00	\$ 113,000.00			\$ -	э \$	113,000.0
-Wellhead Equip	50				\$ 61,000.00			\$ -	\$	61,000.0
B-Tanks	50		1	1	. 01,000.00	\$ 78,000.00		\$ -	\$	78,000.0
B-Flowlines/Pipelines	51					\$ 35,000.00		\$ -	\$	35,000.0
B-Htr Trtr/Seprtr	51					\$ 251,000.00		\$-	\$	251,000.0
B-Electrical System/Equip						\$ 154,000.00		\$-	\$	154,000.0
-Pckrs/Anchors/Hgrs	51				\$ 142,000.00			\$-	\$	142,000.0
B-Couplings/Fittings/Valv						\$ 261,000.00		\$-	\$	261,000.0
B-Pumps-Surface	52					\$ 35,000.00		\$-	\$	35,000.0
B-Instrumentation/SCAD						\$ 26,000.00		\$ -	\$	26,000.0
B-Miscellaneous	52		+		+	\$ 26,000.00		\$ -	\$	26,000.0
B-Meters/Lacts	52					\$ 35,000.00		\$ -	\$	35,000.0
B-Flares/Combusters/Em -Gas Lift/Compression	hission 52		+		\$ 55,000.00	\$ 42,000.00		\$ - \$ -	\$ \$	42,000.0
-Gas Lift/Compression EQ-Wellhead Equipment			+		φ 55,000.00		\$ 18.000.00		\$	55,000.0
c v v cimeau cyuipinent	55	s .	s .	\$ 1,028,000.00	\$ 371,000.00	\$ 943,000.00	\$ 67,000.00		\$ \$	2,409,000.0
otal Tangible Costs										2,-00,000.0
otal Tangible Costs		· ·	·	.,,.						

COG Operating LLC

By:

## We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC By:

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

	Well Name FLAMING SNAI SHL 705 FNL, 1715 BHL 200 FSL, 1520 F Formation WOLFCAMP	FWL	OR UNIT C OR UNIT N	T25S-R27E T26S-R27E				State & County Objective	ATLAS 2527 NEW MEXICO, EDDY DRILL & COMPLETE 24,265		
		33, 25S-27E & ALL SEC 4, 26S	-27E					TVD	8,925		
Cost Description	Code	PreSpud (PS	) Pre-Set Casing(PC)		Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revisio	n	Tota
ntangible Costs		i i i copuu (i c	,	/	Drining (Dity)	completions (c)	runk bity constroin(15)	r mpq Equip (r Ex)		-	
-Lctn/Pits/Roads	205			\$	145,000.00				\$-	\$	145,000.0
-Drilling Overhead	206	5		s	11,000.00				\$ -	\$	11,000.00
-Daywork Contract	209			s	789,000.00				\$.	\$	789,000.0
-Directional Drlg Services	210			\$	421,000.00				\$ - \$ -	\$ \$	421,000.0
-Fuel & Power -Water	211			\$	136,000.00				\$ - \$ -	\$	136,000.0
-Water -Bits	212			5	115,000.00				ş - S -	ş S	145.000.0
-Mud & Chemicals	214			s	297,000.00				\$ -	\$	297,000.0
-Cement Surface	217			s	29,000.00				\$ -	ŝ	29.000.0
-Cement Intermed	218	3		s	114,000.00				\$ -	\$	114,000.0
-Prod-2nd Int Cmt	219			s	168,000.00				\$-	\$	168,000.0
-Float Equipment & Centra	lizers 221			s	92,000.00				\$-	\$	92,000.0
-Csg Crews & Equip	222			s	99,000.00				\$-	\$	99,000.0
-Contract Labor	225			s	10,000.00				\$ -	\$	10,000.0
-Company Sprvsn	226			\$	66,000.00				\$ -	\$	66,000.0
-Contract Sprvsn	227		+	\$	165,000.00				s -	\$	165,000.0
-Tstg Csg/Tbg -Mud Logging Lipit	228			S	61,000.00				\$ - \$ -	\$	61,000.0
-Mud Logging Unit				\$ ¢	61,000.00						61,000.0 256,000.0
-Rentals-Surface -Rentals-Subsrfc	235			\$ S	256,000.00				s - s -	\$ \$	256,000.0
-Rentals-Subsrtc -Trucking/Forklift/Rig Mob				5	119,000.00 244,000.00				\$ - \$ -	\$	244,000.0
Welding Services	238			s e	5,000.00				\$ -	\$	5,000.0
-Contingency	243		1	s	92,000.00				\$ -	\$	92,000.0
-Envrnmtl/Clsd Loop	244		1	s	403,000.00		1	1	\$ -	\$	403,000.0
-Wellbore Frac Prep	304		1	1		\$ 209,000.00	l		\$ -	\$	209,000.0
-Lctn/Pits/Roads	305					\$ 22,000.00			\$-	\$	22,000.0
-Completion OH	306	ō				\$ 33,000.00			\$-	\$	33,000.0
-Frac Equipment	307					\$ 1,430,000.00			\$-	\$	1,430,000.0
Frac Chemicals	308					\$ 906,000.00			\$-	\$	906,000.0
Frac Proppant	309					\$ 411,000.00			\$-	\$	411,000.0
-Frac Proppant Transportat						\$ 639,000.00			\$ -	\$	639,000.0
-Fuel Delivery & Services	311					\$ 92,000.00			\$-	\$	92,000.0
-Water	312					\$ 604,000.00			s -	\$	604,000.0
-Frac Surface Rentals						\$ 570,000.00			\$ - \$ -	\$	570,000.0
-Contract Labor -Company Sprysn	325					\$ 22,000.00 \$ 22,000.00			s -	\$	22,000.00
Contract Sprvsn	320					\$ 22,000.00			s -	ş S	305.000.00
-Artificial Lift Install	329					\$ 98,000.00			\$ -	\$	98,000.00
-Perf/Wireline Svc	331					\$ 702.000.00			s -	ŝ	702.000.00
-Trucking/Forklift/Rig Mob						\$ 22,000.00			\$ -	\$	22,000.0
-Water Disposal	339	)				\$ 87,000.00			\$-	\$	87,000.0
Contingency	343	8				\$ 163,000.00			\$-	\$	163,000.0
-Dyed Diesel	345					\$ 342,000.00			\$-	\$	342,000.0
-Drillout	346					\$ 652,000.00			\$-	\$	652,000.0
B-Damages/Right of Way	351						\$ 2,000.00		\$-	\$	2,000.0
B-Location/Pits/Roads	353	8					\$ 45,000.00		\$.	\$	45,000.0
B-Contract Labor EQ-Contract Labor	356						\$ 244,000.00		s - s -	\$	244,000.0
	387							\$ 18,000.00 \$ 81,000.00	\$ - \$ -	\$	
EQ-Water Disposal EQ-HRZ Well Offset Frac	38/							\$ 81,000.00		\$ \$	81,000.0
otal Intangible Costs	33.	s .	۶.	s	4,043,000.00	\$ 7,331,000.00	\$ 291,000.00			\$	11,773,000.0
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angible Costs											
Q-Flowback Crews & Equi								\$ 49,000.00	\$-	\$	49,000.0
Surface Casing	401			\$	32,000.00				\$-	\$	32,000.0
Intermed Csg	402			\$	253,000.00				\$ -	\$	253,000.0
Production Casing/Liner	403			\$	628,000.00				\$.	\$	628,000.0
-Wellhead Equip	405			\$	115,000.00				s -	\$	115,000.0
Tubing	504					\$ 113,000.00			\$ -	\$	113,000.0
Wellhead Equip	505	2	+			\$ 61,000.00	\$ 78,000.00		\$ -	\$	61,000.0 78.000.0
B-Tanks R-Elowlines /Pipelines	510		+	+			\$ 78,000.00 \$ 35,000.00		\$ - \$ -	\$	78,000.0
B-Flowlines/Pipelines B-Htr Trtr/Seprtr	511		+	+			\$ 35,000.00 \$ 251,000.00		s -	\$	251,000.0
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Pckrs/Anchors/Hgrs	514		1	+		\$ 142,000.00	- 104,000.00		ş -	\$	142,000.0
-Couplings/Fittings/Valves			1	1			\$ 261,000.00		\$ -	\$	261,000.0
-Pumps-Surface	521			1			\$ 35,000.00		\$ -	\$	35,000.0
-Instrumentation/SCADA/				1			\$ 26,000.00		\$ -	\$	26,000.0
-Miscellaneous	523						\$ 26,000.00		\$ -	\$	26,000.0
8-Meters/Lacts	525	i .					\$ 35,000.00		\$ -	\$	35,000.0
-Flares/Combusters/Emiss							\$ 42,000.00		\$-	\$	42,000.0
Gas Lift/Compression	527					\$ 55,000.00			\$-	\$	55,000.0
Q-Wellhead Equipment	531							\$ 18,000.00	\$-	\$	18,000.0
tal Tanaible Ocean		\$ -	\$ -	\$	1,028,000.00	\$ 371,000.00	\$ 943,000.00	\$ 67,000.00	\$ -	\$	2,409,000.0
tai Tangible Costs											
otal Tangible Costs			s -	s	5,071,000.00	\$ 7,702,000.00	\$ 1,234,000.00	\$ 175,000.00		\$	14,182,000.0

COG Operating LLC

By:

## We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC

By:

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

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fall Anor a) <td< td=""><td></td><td></td><td></td><td></td><td>*</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>					*								
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Articla II instal       32 <td>Contract Sprvsn</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$</td> <td>- \$</td> <td>305,000.00</td>	Contract Sprvsn										\$	- \$	305,000.00
Tracking/Point/Pig/Nob         337	Artificial Lift Install	329									\$	- \$	98,000.00
Water Dispoal       33	Perf/Wireline Svc	331					\$ 702,000.0	)			\$	- \$	702,000.00
Contingeny         343         Image (b)         s         180,000         Image (b)         S         180,000         S         S         180,000         S         S         94,000         S         S							\$ 22,000.0	)					
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Drillot       346       0       \$       98.0000       \$       \$       0.00000       \$       0.000000<													
Domage/Right of Way         351         Image of the second													
Location/Pit/Moads       S3        S       4.0.000       S       4.0.000       S        S       4.4.000         Q-Contract Labor       374          S        S       100.000       S        S       140.000       S        S       100.000       S        S       100.000       <							\$ 652,000.0						
Contract Labor       356        S       24.0000       S        S       24.0000       S        S       10.000         Q:Otoritat Labor       377           S       10.000       \$        S       30.000       \$       10.000       \$        S       30.0000       \$       20.0000       \$       10.000 <td>8-Damages/Right of Way</td> <td></td>	8-Damages/Right of Way												
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Q-HR2 Well Offset Frac         31          5         -         5         9.00           xal Intragible Costs         5         4,043,000.00         5         7,331,000.00         5         291,000.00         5         108,000.00         5         0.0           mgible Costs         -         s         4,043,000.00         5         7,331,000.00         5         9.0         3         108,000.00         5         .         5         49,073,000           Surface Casing         401         -         S         32,000.00         -         S         49,000.00         \$         49,000.00         \$         .         S         32,000.00         -         S         49,000.00         \$         .         S         32,000.00         -         S         49,000.00         \$         49,00.00         \$         .         S         32,000.00         -         S         102,00.00         \$         120,00.00         \$         90,00.00         \$         90,00.00         \$         90,00.00         \$         90,00.00         \$         90,00.00         \$         90,00.00         \$         90,00.00         \$         90,00.00         \$         90,00.00         \$         90,00.00         \$ </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$</td> <td></td> <td></td> <td></td> <td></td>									\$				
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ngble Casts         S         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         49,000,00         \$         \$         20,000,00         \$         \$         20,000,00         \$         \$         113,000,00         \$         \$         113,000,00         \$         \$         \$         113,000,00         \$         \$         \$         113,000,00         \$         \$         \$         113,000,00         \$         \$         \$         \$         \$         \$         113,000,00         \$         \$         \$         \$         \$         \$         \$ <td></td> <td>551</td> <td>s -</td> <td>s -</td> <td>S .</td> <td>4.043.000.00</td> <td>\$ 7.331.000.0</td> <td>\$ 291.00</td> <td>00.00</td> <td></td> <td></td> <td></td> <td></td>		551	s -	s -	S .	4.043.000.00	\$ 7.331.000.0	\$ 291.00	00.00				
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Tanks       510         78.000.00       \$       78.000.00       \$       78.000.00       \$       78.000.00       \$       78.000.00       \$       78.000.00       \$       \$       78.000.00       \$       \$       78.000.00       \$       \$       78.000.00       \$       \$       38.000.00       \$       \$       28.000.00       \$       \$       28.000.00       \$       \$       28.000.00       \$       \$       28.000.00       \$       \$       28.000.00       \$       \$       28.000.00       \$       \$       28.000.00       \$       \$       28.000.00       \$       \$       15.400.00       \$       \$       15.400.00       \$       \$       15.400.00       \$       \$       15.400.00       \$       \$       15.400.00       \$       \$       15.400.00       \$       \$       15.400.00       \$       \$       15.400.00       \$       15.400.00       \$       15.400.00       \$       15.400.00       \$       15.400.00       \$       15.400.00       \$       15.400.00       \$       15.400.00       \$       15.400.00       \$       15.400.00       \$       15.400.00       \$       15.400.00       \$       15.400.000.00       \$       15.	Tubing												
Howines/Pipelines         S11         Image: S11         S11         S12         S13         S14         S13         S14         S13         S14         S14         S15         S14         S15         S14         S15         S14         S14         S14         S15         S14         S14         S15         S14         S14         S14         S14         S15         S14         S14 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$ 61,000.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							\$ 61,000.0						
Hit TrySport       512       Image: Second S													
Electrical system/Equipment         513         Image: Signal system/Equipment         \$ 154,000.0         \$ 154,000.0         \$ 154,000.0         \$ 154,000.0         \$ 154,000.0         \$ 154,000.0         \$ 154,000.0         \$ 154,000.0         \$ 154,000.0         \$ 154,000.0         \$ 154,000.0         \$ 154,000.0         \$ 154,000.0         \$ 154,000.0         \$ 154,000.0         \$ 152,000.0													
ktr/Antor/htgrs       51       51       5       42.0         Pumps/afters/Allers       515         \$ 261,000.00 </td <td></td>													
Couping/Mathes         515         Image: Surface         S         26         261,000.00         S         -         S         261,000.00           PumpsSurface         521         Image: Surface         \$         350,000.00         \$         \$         350,000.00         \$         \$         350,000.00         \$         \$         350,000.00         \$         \$         350,000.00         \$         \$         26,000.00         \$         \$         26,000.00         \$         \$         26,000.00         \$         \$         \$         26,000.00         \$         \$         \$         26,000.00         \$         \$         \$         36,000.00         \$         \$         \$         36,000.00         \$         \$         \$         26,000.00         \$         \$         \$         36,000.00         \$         \$         36,000.00         \$         \$         36,000.00         \$         \$         36,000.00         \$         \$         36,000.00         \$         \$         36,000.00         \$         \$         36,000.00         \$         \$         36,000.00         \$         \$         \$         36,000.00         \$         \$         \$         36,000.00         \$         \$         36,000.00 <td>ccccarcar system/Equipment</td> <td></td> <td> </td> <td></td> <td></td> <td></td> <td>\$ 142.000.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	ccccarcar system/Equipment						\$ 142.000.0						
Pungs Surface         St1         <									00.00				
Instrumentation/SCADA/POC         522         Image: Solution of State				1									
Miscelaneous       523       Image: Second S		522		1									
Meters/Lacts         525         \$         36,0000         \$         \$         36,0000         \$         \$         36,0000         \$         \$         36,0000         \$         \$         36,0000         \$         \$         36,0000         \$         \$         36,0000         \$         \$         36,0000         \$         \$         36,0000         \$         \$         36,0000         \$         \$         42,0000         \$         \$         42,0000         \$         \$         \$         55,00000         \$				i									
-fhreqCombusters/Emission         526         \$         42,0         \$         \$         42,0           -fhreqCombusters/Emission         527         \$													
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tal Tangible Costs \$ - \$ - \$ 1,028,000.00 \$ 371,000.00 \$ 943,000.00 \$ 67,000.00 \$ - \$ 2,409,0		527					\$ 55,000.0					*	55,000.0
		531							ş				
	tal Tangible Costs		\$ -	\$ -	\$	1,028,000.00	\$ 371,000.0	\$ 943,00	00.00	67,000.00	\$	- \$	2,409,000.0
al Gross Cost \$ - \$ - \$ 5,071,000.00 \$ 7,702,000.00 \$ 1,234,000.00 \$ 175,000.00 \$ - \$ 14,182,00	al Gross Cost				-								14,182,000.0

COG Operating LLC

By:

## We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC By:

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S	me FLAMING SNAIL HL 705 FNL, 1655 F HL 200 FSL, 550 FW ion WOLFCAMP	WL	OR UNIT C OR UNIT M	T25S-R27 T26S-R27				State & County Objective	ATLAS 2527 NEW MEXICO, EDDY DRILL & COMPLETE		
Le	gal ALL SECS 28 & 3	3, 25S-27E & ALL SEC 4, 26S	-27E						24,265 8,925		
Cost Description	Code	PreSpud (PS	6) Pre-Set Casin	ig(PC)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revision	۱	Tot
ntangible Costs			-1								
D-Lctn/Pits/Roads D-Drilling Overhead	205			s	145,000.00				\$ - \$ -	\$ \$	145,000.0
D-Daywork Contract	206			\$	789,000.00				s -	\$	789,000.0
D-Directional Drlg Services	210			s	421,000.00				\$ -	\$	421,000.0
0-Fuel & Power	211			\$	136,000.00				\$	\$	136,000.0
0-Water	212			\$	115,000.00				\$ -	\$	115,000.0
D-Bits D-Mud & Chemicals	213			s	145,000.00				\$ - \$ -	\$ \$	145,000.0 297.000.0
D-Cement Surface	217			s	29,000.00				\$ -	\$	29,000.0
D-Cement Intermed	218			s	114,000.00				\$	\$	114,000.0
D-Prod-2nd Int Cmt	219			s	168,000.00				\$-	\$	168,000.0
0-Float Equipment & Centralizers	221			s	92,000.00				\$ - \$ -	\$ \$	92,000.0
D-Csg Crews & Equip D-Contract Labor	222			\$	99,000.00				s -	\$	99,000.0
D-Company Sprvsn	226			s	66,000.00				\$ -	\$	66,000.0
D-Contract Sprvsn	227			s	165,000.00				\$	\$	165,000.0
D-Tstg Csg/Tbg	228			\$	61,000.00				\$ -	\$	61,000.0
D-Mud Logging Unit D-Rentals-Surface	229		-	s	61,000.00				\$ - \$ -	\$	61,000.0 256,000.0
D-Rentals-Surface D-Rentals-Subsrfc	235		1	\$	256,000.00					\$ \$	256,000.0
D-Trucking/Forklift/Rig Mob	230		1	s	244,000.00				s -	\$	244,000.0
D-Welding Services	238		1	s	5,000.00				\$	\$	5,000.00
D-Contingency	243			s	92,000.00				\$	\$	92,000.00
D-Envrnmtl/Clsd Loop	244			\$	403,000.00				\$-	\$	403,000.00
C-Wellbore Frac Prep C-Lctn/Pits/Roads	304					\$ 209,000.00			\$ - \$ -	\$ \$	209,000.00
Completion OH	305					\$ 22,000.00 \$ 33,000.00			s -	\$	33,000.00
C-Frac Equipment	307					\$ 1,430,000.00			\$-	\$	1,430,000.00
C-Frac Chemicals	308					\$ 906,000.00			\$-	\$	906,000.00
C-Frac Proppant	309					\$ 411,000.00			•	\$	411,000.00
C-Frac Proppant Transportation	310					\$ 639,000.00			\$ - \$ -	\$	639,000.00
C-Fuel Delivery & Services	311 312					\$ 92,000.00 \$ 604,000.00			\$ - \$ -	\$	92,000.00
C-Frac Surface Rentals	312					\$ 570,000.00			s -	\$	570,000.00
C-Contract Labor	325					\$ 22,000.00			s -	\$	22,000.00
C-Company Sprvsn	326					\$ 22,000.00			\$	\$	22,000.00
C-Contract Sprvsn	327					\$ 305,000.00			\$-	\$	305,000.00
C-Artificial Lift Install	329					\$ 98,000.00			\$ - \$ -	\$	98,000.00
C-Perf/Wireline Svc C-Trucking/Forklift/Rig Mob	331					\$ 702,000.00 \$ 22.000.00			s -	\$ \$	702,000.00
C-Water Disposal	339					\$ 22,000.00			\$ -	s	87.000.00
C-Contingency	343					\$ 163,000.00			\$ -	\$	163,000.00
C-Dyed Diesel	345					\$ 342,000.00			\$	\$	342,000.00
C-Drillout	346					\$ 652,000.00			\$ -	\$	652,000.00
FB-Damages/Right of Way FB-Location/Pits/Roads	351						\$ 2,000.00 \$ 45,000.00		\$ ·	\$ \$	2,000.00
FB-Contract Labor	355						\$ 244,000.00		s -	\$	244,000.00
PEQ-Contract Labor	374							\$ 18,000.00	\$ -	\$	18,000.00
EQ-Water Disposal	387							\$ 81,000.00		\$	81,000.00
PEQ-HRZ Well Offset Frac	391	-						\$ 9,000.00	\$ -	\$	9,000.00
Fotal Intangible Costs		\$ -	\$	- \$	4,043,000.00	\$ 7,331,000.00	\$ 291,000.00	\$ 108,000.00	\$-	\$	11,773,000.00
Fangible Costs											
PEQ-Flowback Crews & Equip	392							\$ 49,000.00	\$-	\$	49,000.00
D-Surface Casing	401			\$	32,000.00			-	\$	\$	32,000.00
D-Intermed Csg	402			\$	253,000.00				\$ -	\$	253,000.00
D-Production Casing/Liner D-Wellhead Equip	403 405			\$ \$	628,000.00 115,000.00				\$ \$	\$ \$	628,000.00 115,000.00
C-Tubing	405			\$	115,000.00	\$ 113,000.00			s -	\$	113,000.00
C-Wellhead Equip	505					\$ 61,000.00			\$-	\$	61,000.00
FB-Tanks	510						\$ 78,000.00		\$	\$	78,000.00
B-Flowlines/Pipelines	511						\$ 35,000.00		\$-	\$	35,000.0
FB-Htr Trtr/Seprtr	512						\$ 251,000.00 \$ 154,000.00		\$ - \$ -	\$ \$	251,000.00
FB-Electrical System/Equipment C-Pckrs/Anchors/Hgrs	513		1			\$ 142,000.00	φ 154,000.00		s -	\$	154,000.00
B-Couplings/Fittings/Valves	515		1				\$ 261,000.00		\$ •	\$	261,000.00
FB-Pumps-Surface	521						\$ 35,000.00		\$	\$	35,000.00
FB-Instrumentation/SCADA/POC	522				-		\$ 26,000.00		\$ -	\$	26,000.0
B-Miscellaneous	523		1				\$ 26,000.00		\$ -	\$	26,000.0
FB-Meters/Lacts FB-Flares/Combusters/Emission	525		-				\$ 35,000.00 \$ 42,000.00		\$ - \$ -	\$ \$	35,000.0
C-Gas Lift/Compression	526					\$ 55,000.00	φ 42,000.00		s -	\$	42,000.0
PEQ-Wellhead Equipment	531							\$ 18,000.00	\$-	\$	18,000.0
		s -	¢	. e	1,028,000.00	\$ 371,000.00	\$ 943,000.00	\$ 67,000.00	\$ -	\$	2,409,000.0
otal Tangible Costs		•	÷	- 4	.,						
otal Tangible Costs		s -	s	- \$	5,071,000.00					\$	14,182,000.0

COG Operating LLC

By:

We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC By:

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SHL	FLAMING SNAIL FED COM 801H 505 FNL, 975 FEL 200 FSL, 330 FEL WOLFCAMP	I OR UNIT A OR UNIT P	T25S-R27 T26S-R27				State & County Objective	ATLAS 2527 NEW MEXICO, EDDY DRILL & COMPLETE		
	WOLFCAMP ALL SECS 28 & 33, 25S-27E & AL	LL SEC 4, 26S-27E					Depth TVD	25,115 9,775		
ost Description	Code F	PreSpud (PS) Pre-Set Cas	ing(PC)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revision	1	Тс
tangible Costs										
-Lctn/Pits/Roads -Drilling Overhead	205 206		s	145,000.00				\$ - \$ -		15,000. 11,000.
-Daywork Contract	200		s	789,000.00				s -		39.000.
-Directional Drlg Services	210		s	421,000.00				\$ -		21,000.
-Fuel & Power	211		s	136,000.00				\$-		36,000.
-Water -Bits	212 213		s	115,000.00 145,000.00				\$ - \$ -		15,000. 15,000.
Mud & Chemicals	213		s	297.000.00				\$ -		97,000.
Cement Surface	217		s	29,000.00				\$ -	\$ 29	29,000.
Cement Intermed	218		s	114,000.00				\$-		14,000.
-Prod-2nd Int Cmt -Float Equipment & Centralizers	219 221		s	168,000.00 92,000.00				\$ - \$ -		8,000.
-Csg Crews & Equip	222		s	92,000.00				\$ -		92,000. 99,000.
-Contract Labor	225		s	10,000.00				\$ -		10,000.
-Company Sprvsn	226		S	66,000.00	-			\$ -		6,000.
-Contract Sprvsn	227		s	165,000.00				\$ -		35,000.
-Tstg Csg/Tbg -Mud Logging Unit	228 229		s	61,000.00 61,000.00				\$ - \$ -		61,000. 61,000.
-Rentals-Surface	225		s	256,000.00				\$ -		56,000.
-Rentals-Subsrfc	236		s	119,000.00				\$ -	\$ 119	9,000.
-Trucking/Forklift/Rig Mob	237		\$	244,000.00				\$ -		14,000.
-Welding Services	238 243		s	5,000.00				\$ - \$ -		5,000.
-Contingency -Envrnmtl/Clsd Loop	243		\$	92,000.00 403,000.00				\$ - \$ -		32,000. 03,000.
-Wellbore Frac Prep	304		Ŭ	400,000.00	\$ 209,000.00			\$ -		)9,000.0
-Lctn/Pits/Roads	305				\$ 22,000.00			\$-		22,000.
-Completion OH	306				\$ 33,000.00			\$-		33,000.
Frac Equipment Frac Chemicals	307				\$ 1,430,000.00 \$ 906,000.00			\$ - \$ -		30,000. 06,000.
Frac Proppant	309				\$ 908,000.00			\$ -		11,000.
Frac Proppant Transportation	310				\$ 639,000.00			\$ -		39,000.
-Fuel Delivery & Services	311				\$ 92,000.00			\$ -		92,000.
Water	312 315				\$ 604,000.00			\$ - \$ -		04,000.
-Frac Surface Rentals -Contract Labor	315				\$ 570,000.00 \$ 22,000.00			\$ - \$		22,000.0
-Company Sprvsn	326				\$ 22,000.00			\$ -		22,000.0
-Contract Sprvsn	327				\$ 305,000.00			\$-		)5,000.0
Artificial Lift Install	329				\$ 98,000.00			\$-		98,000.
-Perf/Wireline Svc -Trucking/Forklift/Rig Mob	331 337				\$ 702,000.00 \$ 22,000.00			\$ - \$ -		22,000.
-Water Disposal	339				\$ 22,000.00			\$ -		37.000.
-Contingency	343				\$ 163,000.00			\$ -		\$3,000.
-Dyed Diesel	345				\$ 342,000.00			\$-		12,000.
-Drillout	346				\$ 652,000.00			\$ - \$ -		52,000.
B-Damages/Right of Way B-Location/Pits/Roads	351 353					\$ 2,000.00 \$ 45,000.00		s -		2,000.
B-Contract Labor	356					\$ 244,000.00		\$ -		14,000.
EQ-Contract Labor	374						\$ 18,000.00	\$ -		18,000.
Q-Water Disposal	387						\$ 81,000.00	\$-		31,000.
EQ-HRZ Well Offset Frac otal Intangible Costs	391			4,043,000.00	\$ 7,331,000.00	\$ 291,000.00	\$ 9,000.00 \$ 108,000.00	\$ - \$ -	\$ 9 \$ 11,773	9,000.
	\$	- ,	- >	4,043,000.00	\$ 7,331,000.00	\$ 291,000.00	\$ 108,000.00	\$ .	a 11,773	3,000.
angible Costs	1									
Q-Flowback Crews & Equip	392		-				\$ 49,000.00			19,000.
Surface Casing Intermed Csg	401 402		\$	32,000.00 253,000.00				\$ - \$ -		32,000. 53,000.
Production Casing/Liner	402		\$	628,000.00				\$ - \$		28,000.
-Wellhead Equip	405		\$	115,000.00				\$-	\$ 115	15,000.
Tubing	504				\$ 113,000.00			\$-		13,000.
Wellhead Equip	505				\$ 61,000.00			s -		61,000.
3-Tanks 3-Flowlines/Pipelines	510 511					\$ 78,000.00 \$ 35,000.00		\$ - \$ -		78,000. 35,000.
3-Htr Trtr/Seprtr	511					\$ 35,000.00 \$ 251,000.00		s -		51,000.
3-Electrical System/Equipment	513					\$ 154,000.00		\$-	\$ 154	54,000.
Pckrs/Anchors/Hgrs	514				\$ 142,000.00			\$ -		\$2,000.
3-Couplings/Fittings/Valves	515					\$ 261,000.00		\$ -		61,000.
B-Pumps-Surface B-Instrumentation/SCADA/POC	521 522					\$ 35,000.00 \$ 26,000.00		\$ - \$ -		35,000. 26,000.
-Instrumentation/SCADA/POC	522					\$ 26,000.00		s -		26,000
3-Meters/Lacts	525					\$ 35,000.00		\$-	\$ 35	35,000
B-Flares/Combusters/Emission	526					\$ 42,000.00		\$-	\$ 42	12,000
Gas Lift/Compression	527				\$ 55,000.00		e 40.000.00	\$ -		55,000
CO Wallhard Faula:	531	1	1				\$ 18,000.00			18,000.
Q-Wellhead Equipment	S	- S	- \$	1.028.000.00	\$ 371.000.00	\$ 943,000,00	\$ 67.000.00	s -	\$ 2,409	19.000
EQ-Wellhead Equipment otal Tangible Costs otal Gross Cost	\$	- \$ - \$	- \$ - \$	1,028,000.00 5,071,000.00			\$ 67,000.00 \$ 175,000.00			9,000.

COG Operating LLC

By:

We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC By:

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	II Name FLAMING SNAI SHL 505 FNL, 1005 I BHL 200 FSL, 1210 F	FEL	OR UNIT A OR UNIT P	T25S-R2 T26S-R2				State & County Objective	ATLAS 2527 NEW MEXICO, EDDY DRILL & COMPLETE	
For	mation WOLFCAMP Legal ALL SECS 28 & 3	33, 25S-27E & ALL SEC 4, 26	S-27E					Depth TVD	25,115 9,775	
ost Description	Code	PreSpud (P	S) Pre-Set Casir	ng(PC)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revision	Tot
tangible Costs Lctn/Pits/Roads	205	1	1	6	445,000,00			[	s -	\$ 145,000.0
Drilling Overhead	205			s	145,000.00				\$ -	\$ 11,000.0
Daywork Contract	209			s	789,000.00				\$ -	\$ 789,000.0
Directional Drlg Services	210			s	421,000.00				\$-	\$ 421,000.0
Fuel & Power	211			\$	136,000.00				\$-	\$ 136,000.0
Water	212			s	115,000.00				s -	\$ 115,000.0
Bits	213			s	145,000.00				\$ -	\$ 145,000.0 \$ 297.000.0
Mud & Chemicals Cement Surface	214			s	297,000.00 29,000.00				s - s -	\$ 297,000.0 \$ 29.000.0
Cement Intermed	218			s	114,000.00				\$ -	\$ 114.000.0
Prod-2nd Int Cmt	219			s	168,000.00				\$ -	\$ 168,000.0
Float Equipment & Centralizers	s 221			s	92,000.00				\$-	\$ 92,000.0
Csg Crews & Equip	222			\$	99,000.00				\$-	\$ 99,000.0
Contract Labor	225			s	10,000.00				\$ -	\$ 10,000.0
Company Sprvsn	226			s	66,000.00				\$ -	\$ 66,000.0
Contract Sprvsn Tste Cse/Tbe	227		+	s	165,000.00				\$ - \$ -	\$ 165,000.0 \$ 61.000.0
Mud Logging Unit	228		-	s s	61,000.00				\$ -	\$ 61,000.0
Rentals-Surface	225			s	256,000.00				s -	\$ 256,000.0
Rentals-Subsrfc	236			s	119,000.00				\$ -	\$ 119,000.0
Trucking/Forklift/Rig Mob	237			s	244,000.00				\$ -	\$ 244,000.0
Welding Services	238			s	5,000.00				\$ -	\$ 5,000.0
Contingency	243			s	92,000.00				\$-	\$ 92,000.0
Envrnmtl/Clsd Loop	244			\$	403,000.00				\$.	\$ 403,000.0
Vellbore Frac Prep	304					\$ 209,000.00			s -	\$ 209,000.0
.ctn/Pits/Roads	305					\$ 22,000.00 \$ 33.000.00			\$ -	\$ 22,000.0
Completion OH Frac Equipment	306					\$ 33,000.00 \$ 1,430,000.00			\$ - \$ -	\$ 33,000.0 \$ 1.430.000.0
rac Chemicals	308					\$ 1,430,000.00 \$ 906,000.00			ş -	\$ 906.000.0
rac Proppant	309					\$ 411,000.00			\$ -	\$ 411,000.0
rac Proppant Transportation	310					\$ 639,000.00			\$ -	\$ 639,000.0
uel Delivery & Services	311					\$ 92,000.00			\$-	\$ 92,000.0
Vater	312					\$ 604,000.00			\$-	\$ 604,000.0
rac Surface Rentals	315					\$ 570,000.00			\$-	\$ 570,000.0
Contract Labor	325					\$ 22,000.00			\$.	\$ 22,000.0
Company Sprvsn Contract Sprvsn	326					\$ 22,000.00 \$ 305,000.00			\$ - \$ -	\$ 22,000.0 \$ 305,000.0
Artificial Lift Install	329					\$ 305,000.00 \$ 98,000.00			\$ -	\$ 98,000.0
Perf/Wireline Svc	331					\$ 702.000.00			\$ -	\$ 702.000.0
rucking/Forklift/Rig Mob	337					\$ 22,000.00			\$ -	\$ 22,000.0
Water Disposal	339					\$ 87,000.00			\$ -	\$ 87,000.0
Contingency	343					\$ 163,000.00			\$-	\$ 163,000.0
Dyed Diesel	345					\$ 342,000.00			\$-	\$ 342,000.0
Drillout	346					\$ 652,000.00			\$.	\$ 652,000.0
Damages/Right of Way	351						\$ 2,000.00		\$ -	\$ 2,000.0
-Location/Pits/Roads -Contract Labor	353						\$ 45,000.00 \$ 244,000.00		s - s -	\$ 45,000.0 \$ 244,000.0
D-Contract Labor	374						\$ 244,000.00	\$ 18,000.00		\$ 18.000.0
Q-Water Disposal	387							\$ 81,000.00		\$ 81,000.0
Q-HRZ Well Offset Frac	391							\$ 9,000.00		\$ 9,000.0
tal Intangible Costs		\$-	\$	- \$	4,043,000.00	\$ 7,331,000.00	\$ 291,000.00	\$ 108,000.00	\$-	\$ 11,773,000.0
ngible Costs	202	T	-					\$ 49.000.00		\$ 49.000.0
Q-Flowback Crews & Equip	392				22 000 00			\$ 49,000.00		
iurface Casing ntermed Csg	401		+	\$	32,000.00				\$ - \$ -	\$ 32,000.0 \$ 253,000.0
roduction Casing/Liner	402		-	\$	628,000.00				s -	\$ 628,000.0
/ellhead Equip	403		1	s	115,000.00				ş -	\$ 115,000.0
ubing	504		1	Ť	. 10,000.00	\$ 113,000.00			\$ -	\$ 113,000.0
/ellhead Equip	505		1			\$ 61,000.00			\$ -	\$ 61,000.0
Tanks	510						\$ 78,000.00		\$-	\$ 78,000.0
Flowlines/Pipelines	511						\$ 35,000.00		\$-	\$ 35,000.0
Htr Trtr/Seprtr	512						\$ 251,000.00		\$ -	\$ 251,000.0
Electrical System/Equipment	513						\$ 154,000.00		\$ -	\$ 154,000.0
ckrs/Anchors/Hgrs	514					\$ 142,000.00	¢ 004.000 ***		\$ -	\$ 142,000.0
Couplings/Fittings/Valves Pumps-Surface	515						\$ 261,000.00 \$ 35,000.00		\$ - \$ -	\$ 261,000.0 \$ 35,000.0
-Pumps-Surface Instrumentation/SCADA/POC	521		+				\$ 35,000.00 \$ 26,000.00		\$ -	\$ 35,000.0
Viscellaneous	522		-				\$ 26,000.00 \$ 26,000.00		s -	\$ 26,000.0
Meters/Lacts	525						\$ 35,000.00		\$ -	\$ 35,000.
Flares/Combusters/Emission	526		1				\$ 42,000.00		\$ -	\$ 42,000.
as Lift/Compression	527					\$ 55,000.00			\$ -	\$ 55,000.
	531		1					\$ 18,000.00		\$ 18,000.
Q-Wellhead Equipment										
Q-Wellhead Equipment tal Tangible Costs		\$-	\$	- \$	1,028,000.00	\$ 371,000.00	\$ 943,000.00	\$ 67,000.00	\$ -	\$ 2,409,000.0
Q-Wellhead Equipment		\$ -	\$	- \$ - \$	1,028,000.00					\$ 2,409,000.0

COG Operating LLC

By:

We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC By:

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	Well Name         FLAMING SNAI           SHL         505 FNL, 1035           BHL         200 FSL, 2000 I           Formation         WOLFCAMP           Legal         ALL SECS 28 &	FEL	OR UNIT A OR UNIT O 5-27E	T25S-R27E T26S-R27E				State & County Objective Depth	ATLAS 2527 NEW MEXICO, EDDY DRILL & COMPLETE 25,115 9,775		
Cost Description	Code			Drilling	ופח	Completions (C)	Tank Btty Constrctn(TB)		-	eion	Tot
ntangible Costs	Cou		) The det caaling(i c)	Drining	DRJ	completions (c)	Talk bity consticut(Tb)		1.001	sion	10
P-Lctn/Pits/Roads	20			\$ 145,00					\$	- 9	
-Drilling Overhead	206			\$ 11,00					\$	- 1	
-Daywork Contract	209			\$ 789,00						- 9	
-Directional Drlg Services				\$ 421,00					\$ \$	- 9	
-Fuel & Power -Water	21:			\$ 136,00 \$ 115.00						- 9	
-Bits	21			\$ 115,00					•	- 9	
-Mud & Chemicals	214			\$ 297,00					\$	- 9	
-Cement Surface	21			\$ 29,00						- 9	
-Cement Intermed	218			\$ 114,00					\$	- 1	
-Prod-2nd Int Cmt	219			\$ 168,00					\$	- 9	
-Float Equipment & Cent				\$ 92,00						- 1	
-Csg Crews & Equip	222			\$ 99,00						- 1	
-Contract Labor	225		+	\$ 10,00					\$	- 9	
Company Sprvsn	220		+	\$ 66,00					Ŧ		
D-Contract Sprvsn D-Tstg Csg/Tbg	22	2	+	\$ 165,00 \$ 61,00					\$ \$	- 9	
D-Mud Logging Unit	220		+	\$ 61,00						- 9	
D-Rentals-Surface	23		1	\$ 256,00					•	- 9	
D-Rentals-Subsrfc	230		1	\$ 119,00					\$	- 9	
D-Trucking/Forklift/Rig Mc				\$ 244,00					\$	- 1	\$ 244,000.0
O-Welding Services	238			\$ 5,00	0.00					- 1	
D-Contingency	24			\$ 92,00			-			- 1	
D-Envrnmtl/Clsd Loop	244			\$ 403,00	0.00				\$	- 9	
-Wellbore Frac Prep	304				\$	\$ 209,000.00			Ŧ	- 9	
-Lctn/Pits/Roads	30				\$	\$ 22,000.00				- 1	
-Completion OH	300				1				\$ \$	- 9	
C-Frac Equipment C-Frac Chemicals	30				5					- 9	
-Frac Proppant	303				1				3 \$	- 4	
C-Frac Proppant Transport					4	\$ 639,000.00				- 4	
C-Fuel Delivery & Services	31				3					- 9	
C-Water	312				4					- 9	
C-Frac Surface Rentals	315	5			5	\$ 570,000.00			\$	- 9	570,000.0
C-Contract Labor	325				5	\$ 22,000.00			\$	- 9	
C-Company Sprvsn	320					\$ 22,000.00				- 9	
C-Contract Sprvsn	32				\$	\$ 305,000.00				- 1	
C-Artificial Lift Install	329				\$					- 9	
C-Perf/Wireline Svc	33: bb 33				1				\$ \$	- 9	
C-Trucking/Forklift/Rig Mo C-Water Disposal	33				8	\$ 22,000.00				- 9	
C-Contingency	33				1	\$ 87,000.00 \$ 163,000.00				- 9	
C-Dyed Diesel	345				5	\$ 342,000.00			\$	- 9	
Drillout	346				4					- 9	
B-Damages/Right of Way	35:	L					\$ 2,000.00		\$	- 9	\$ 2,000.0
B-Location/Pits/Roads	353						\$ 45,000.00		\$	- 9	
B-Contract Labor	350						\$ 244,000.00			- 9	
EQ-Contract Labor	374							\$ 18,000.00		- 1	
EQ-Water Disposal	38							\$ 81,000.00		- 9	
EQ-HRZ Well Offset Frac	39:		*	¢ (040.00)		¢ 7.004.000.00	¢ 004 000 00	\$ 9,000.00	Ŷ	- 9	
fotal Intangible Costs		• •	• •	\$ 4,043,000	.00	\$ 7,331,000.00	\$ 291,000.00	\$ 108,000.00	Ŷ		11,773,000.0
angible Costs											
EQ-Flowback Crews & Eq	uip 393	2						\$ 49,000.00	\$	- 1	\$ 49,000.0
-Surface Casing	40:			\$ 32,000	0.00					- 1	
-Intermed Csg	402			\$ 253,000						- 1	
-Production Casing/Liner				\$ 628,000			-			- 9	
-Wellhead Equip	40			\$ 115,000						- 9	
-Tubing	504					\$ 113,000.00			\$	- 1	
-Wellhead Equip	505		+			\$ 61,000.00	\$ 78,000,00			- 9	
B-Tanks B-Flowlines/Pipelines	510						\$ 78,000.00 \$ 35,000.00			- 9	
B-Flowlines/Pipelines B-Htr Trtr/Seprtr	51		+				\$ 35,000.00 \$ 251,000.00			- 3	
B-Electrical System/Equip			1				\$ 251,000.00 \$ 154,000.00			- 4	
-Pckrs/Anchors/Hgrs	514		1			\$ 142,000.00			\$	- 9	
B-Couplings/Fittings/Valv			1			,	\$ 261,000.00			- 1	
B-Pumps-Surface	52:	1					\$ 35,000.00			- 4	\$ 35,000.0
B-Instrumentation/SCAD	A/POC 522	2					\$ 26,000.00		\$	- 1	\$ 26,000.0
B-Miscellaneous	52					-	\$ 26,000.00			- 9	
B-Meters/Lacts	52						\$ 35,000.00		•	- 9	
B-Flares/Combusters/Em							\$ 42,000.00		\$	- 9	
-Gas Lift/Compression	52		+			\$ 55,000.00		\$ 18.000.00		- 9	
EQ-Wellhead Equipment	53:		¢	\$ 1,028,000	00	\$ 371,000.00	\$ 943,000.00	\$ 18,000.00 \$ 67,000.00			
					1.00 1		3 943,000,00	00.000,10	\$	- 1	2,409,000.0
otal Tangible Costs		v	Ŧ	• .,,		•,•••••					

COG Operating LLC

By:

We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC By:

	SHL BHL	FLAMING SNAIL 555 FNL, 1715 F 200 FSL, 2310 FV WOLFCAMP	WL	OR UNIT C OR UNIT N	T25S-R27 T26S-R27				State & County Objective	ATLAS 2527 NEW MEXICO, EDDY DRILL & COMPLETE 25,115		
			3, 25S-27E & ALL SEC 4, 26S	-27E					TVD	9,775		
ost Description		Code	PreSpud (PS	) Pre-Set Casi	ng(PC)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revisio	1	То
tangible Costs								 1	1		-	
Lctn/Pits/Roads Drilling Overhead		205 206			s	145,000.00				\$ -	\$	145,000.0
Daywork Contract		206			5	11,000.00 789,000.00				\$ - \$ -	\$	789.000.0
-Directional Drlg Services		210			s	421,000.00				\$ -	\$	421,000.0
-Fuel & Power		211			\$	136,000.00				\$-	\$	136,000.0
-Water		212			s	115,000.00				\$-	\$	115,000.0
-Bits -Mud & Chemicals		213 214			s	145,000.00				s - s -	\$ \$	145,000.0
-Cement Surface		214			s	29,000.00				\$ -	\$	29,000.0
-Cement Intermed		218			s	114,000.00				\$ -	\$	114,000.0
-Prod-2nd Int Cmt		219			s	168,000.00				\$ -	\$	168,000.0
-Float Equipment & Centra	lizers	221			\$	92,000.00				\$ -	\$	92,000.0
0-Csg Crews & Equip 0-Contract Labor		222 225			s	99,000.00 10,000.00				s - s -	\$	99,000.0
-Company Sprvsn		226			s	66,000.00				\$ -	\$	66,000.0
-Contract Sprvsn		227			s	165,000.00				\$-	\$	165,000.0
-Tstg Csg/Tbg		228			s	61,000.00				s -	\$	61,000.0
-Mud Logging Unit -Rentals-Surface		229 235		+	s	61,000.00				\$- \$-	\$ \$	61,000.0 256.000.0
-Rentals-Surface -Rentals-Subsrfc		235		+	\$	256,000.00				\$ - \$ -	\$	256,000.0
-Trucking/Forklift/Rig Mob	1	230			s	244,000.00				\$ -	\$	244,000.0
D-Welding Services		238			s	5,000.00				\$ -	\$	5,000.0
D-Contingency		243			\$	92,000.00				\$ -	\$	92,000.0
D-Envrnmtl/Clsd Loop		244			s	403,000.00				s -	\$	403,000.0
C-Wellbore Frac Prep C-Lctn/Pits/Roads		304 305					\$ 209,000.00			\$ - \$ -	\$ \$	209,000.0 22,000.0
C-Completion OH		305					\$ 22,000.00 \$ 33.000.00			s -	ŝ	33,000.0
C-Frac Equipment		307					\$ 1,430,000.00			\$ -	\$	1,430,000.0
-Frac Chemicals		308					\$ 906,000.00			\$-	\$	906,000.0
-Frac Proppant		309					\$ 411,000.00			\$ -	\$	411,000.0
-Frac Proppant Transportat -Fuel Delivery & Services	tion	310 311					\$ 639,000.00			\$ - \$ -	\$ \$	639,000.0 92,000.0
-Water		311					\$ 92,000.00 \$ 604.000.00			s -	ŝ	604,000.0
-Frac Surface Rentals		315					\$ 570,000.00			\$ -	\$	570,000.0
-Contract Labor		325					\$ 22,000.00			\$-	\$	22,000.0
C-Company Sprvsn		326					\$ 22,000.00			\$ -	\$	22,000.0
C-Contract Sprvsn C-Artificial Lift Install		327 329					\$ 305,000.00			s - s -	\$ \$	305,000.0
-Artificial Lift Install		329					\$ 98,000.00 \$ 702,000.00			s -	\$ \$	702.000.0
-Trucking/Forklift/Rig Mob		337					\$ 22,000.00			\$ -	\$	22,000.0
C-Water Disposal		339					\$ 87,000.00			\$-	\$	87,000.0
C-Contingency		343					\$ 163,000.00			\$ -	\$	163,000.0
-Dyed Diesel		345 346					\$ 342,000.00			\$-	\$	342,000.0
-Drillout B-Damages/Right of Way		346 351					\$ 652,000.00	\$ 2,000.00		s - s -	\$ \$	2,000.0
B-Location/Pits/Roads		353						\$ 2,000.00		\$ -	\$	45,000.0
B-Contract Labor		356						\$ 244,000.00		\$ -	\$	244,000.0
EQ-Contract Labor		374							\$ 18,000.00		\$	18,000.0
EQ-Water Disposal		387							\$ 81,000.00	\$ - \$ -	\$	81,000.0
EQ-HRZ Well Offset Frac fotal Intangible Costs		391	•	e		4,043,000.00	\$ 7,331,000.00	\$ 291,000.00	\$ 9,000.00 \$ 108,000.00	Ψ	\$	9,000.0 11,773,000.0
otal intaligible costs			<b>,</b>	*		4,043,000.00	\$ 7,551,000.00	\$ 231,000.00	3 100,000.00	¥ -	Ŷ	11,775,000.0
angible Costs												
EQ-Flowback Crews & Equi	ip	392							\$ 49,000.00		\$	49,000.0
-Surface Casing		401		+	\$ \$	32,000.00				\$ - \$ -	\$ \$	32,000.0
-Intermed Csg -Production Casing/Liner		402 403		+	\$	253,000.00 628,000.00				\$ - \$ -	\$	253,000.0
-Wellhead Equip		403			\$	115,000.00				\$ - \$	\$	115,000.0
-Tubing		504			Ŧ	0,000.00	\$ 113,000.00			\$-	\$	113,000.0
-Wellhead Equip		505					\$ 61,000.00			\$-	\$	61,000.0
B-Tanks		510						\$ 78,000.00		s -	\$	78,000.0
B-Flowlines/Pipelines B-Htr Trtr/Seprtr		511 512						\$ 35,000.00 \$ 251,000.00		s - s -	\$ \$	35,000.0
B-Htr Trtr/Seprtr B-Electrical System/Equipm	nent	512		+				\$ 251,000.00 \$ 154,000.00		\$ - \$ -	\$	251,000.0
-Pckrs/Anchors/Hgrs		514		1			\$ 142,000.00	. 104,000.00	1	\$ -	\$	142,000.0
B-Couplings/Fittings/Valves	S	515						\$ 261,000.00		\$-	\$	261,000.0
B-Pumps-Surface		521						\$ 35,000.00		\$ -	\$	35,000.0
B-Instrumentation/SCADA/	POC	522 523		+				\$ 26,000.00		\$ - \$ -	\$	26,000.0
B-Miscellaneous B-Meters/Lacts		523 525						\$ 26,000.00 \$ 35,000.00		\$ - \$ -	\$ \$	26,000.0 35,000.0
	sion	525						\$ 42,000.00		ş -	\$	42,000.0
B-Flares/Combusters/Emise		527					\$ 55,000.00	,::::::::::::::::::::::::::::::::::::		\$ -	\$	55,000.0
B-Flares/Combusters/Emiss -Gas Lift/Compression				1					\$ 18.000.00	s -	s	18,000.0
Gas Lift/Compression EQ-Wellhead Equipment		531										
Gas Lift/Compression		531	\$.	\$	- \$	1,028,000.00	\$ 371,000.00	\$ 943,000.00			\$	2,409,000.0

COG Operating LLC

By:

## We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC By:

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

	Well Name FLAMING SNAI SHL 555 FNL, 1685 BHL 200 FSL, 1430	FWL	OR UNIT C OR UNIT N	T25S-R27E T26S-R27E				State & County Objective	ATLAS 2527 NEW MEXICO, EDDY DRILL & COMPLETE		
	Formation WOLFCAMP Legal ALL SECS 28 &	33, 25S-27E & ALL SEC 4, 26	S-27E					Depth TVD	25,115 9,775		
ost Description	Code	e PreSpud (P	S) Pre-Set Casing(P	C)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revisior	i l	Tot
tangible Costs -Lctn/Pits/Roads	20		1	1.		r		[	s -	\$	145.000.0
-Drilling Overhead	20			s	145,000.00				\$ -	\$	11,000.0
Daywork Contract	209	9		s	789,000.00				\$ -	\$	789,000.0
Directional Drlg Services	210			s	421,000.00				\$-	\$	421,000.0
Fuel & Power	21	1		\$	136,000.00				\$-	\$	136,000.0
Water	212			\$	115,000.00				\$ -	\$	115,000.0
Bits	21			s	145,000.00				\$ -	\$ \$	145,000.0
Mud & Chemicals Cement Surface	214			s	297,000.00 29,000.00				s - s -	\$ \$	297,000.0
Cement Intermed	218			s	114,000.00				\$ -	ŝ	114.000.0
Prod-2nd Int Cmt	219			s	168,000.00				\$ -	\$	168,000.0
Float Equipment & Centra				\$	92,000.00				\$-	\$	92,000.0
Csg Crews & Equip	222			\$	99,000.00				\$-	\$	99,000.0
Contract Labor	225			s	10,000.00				\$ -	\$	10,000.0
Company Sprvsn	220			s	66,000.00				\$ -	\$	66,000.0
Contract Sprvsn Tstg Csg/Tbg	22	/ R		s	165,000.00				\$ - \$ -	\$ \$	165,000.0
Mud Logging Unit	220		-	s	61,000.00				s -	\$ \$	61,000.0
Rentals-Surface	23			s	256,000.00				\$ -	\$	256,000.0
Rentals-Subsrfc	23			s	119,000.00				\$-	\$	119,000.0
Trucking/Forklift/Rig Mob				s	244,000.00				\$-	\$	244,000.0
Welding Services	238			\$	5,000.00				\$ -	\$	5,000.0
Contingency	24			s	92,000.00				\$ -	\$	92,000.0
Envrnmtl/Clsd Loop Wellbore Frac Prep	244		-	\$	403,000.00				\$ - \$ -	\$ \$	403,000.0
Lctn/Pits/Roads	304					\$ 209,000.00 \$ 22,000.00			s -	\$	209,000.0
Completion OH	30					\$ 22,000.00			\$ -	\$	33,000.0
Frac Equipment	30					\$ 1.430.000.00			\$ -		1.430.000.0
rac Chemicals	308	в				\$ 906,000.00			\$ -	\$	906,000.0
Frac Proppant	309					\$ 411,000.00			\$-	\$	411,000.0
rac Proppant Transporta						\$ 639,000.00			\$-	\$	639,000.0
Fuel Delivery & Services	31:					\$ 92,000.00			\$-	\$	92,000.0
Water Frac Surface Rentals	31:					\$ 604,000.00			\$ - \$ -	\$	604,000.00 570.000.00
Contract Labor	31					\$ 570,000.00 \$ 22,000.00			\$ - \$ -	\$	22,000.00
Company Sprysn	32	6				\$ 22,000.00			s -	\$ \$	22,000.00
Contract Sprvsn	32					\$ 305,000.00			\$ -	\$	305.000.0
Artificial Lift Install	329	9				\$ 98,000.00			\$ -	\$	98,000.0
Perf/Wireline Svc	33:					\$ 702,000.00			\$-	\$	702,000.0
Trucking/Forklift/Rig Mob						\$ 22,000.00			\$-	\$	22,000.0
Water Disposal	335	9				\$ 87,000.00			\$ -	\$	87,000.0
Contingency	343					\$ 163,000.00			\$ - \$ -	\$	163,000.0
Dyed Diesel Drillout	34					\$ 342,000.00 \$ 652,000.00			\$ - \$ -	\$ \$	342,000.0
B-Damages/Right of Way	340					\$ 652,000.00	\$ 2,000.00		ş -	\$	2,000.0
B-Location/Pits/Roads	353						\$ 45,000.00		\$ -	\$	45,000.0
-Contract Labor	350	6					\$ 244,000.00		\$ -	\$	244,000.0
Q-Contract Labor	374							\$ 18,000.00	\$-	\$	18,000.0
Q-Water Disposal	38							\$ 81,000.00		\$	81,000.0
Q-HRZ Well Offset Frac	39:	1						\$ 9,000.00		\$	9,000.0
otal Intangible Costs		\$ -	\$ -	\$	4,043,000.00	\$ 7,331,000.00	\$ 291,000.00	\$ 108,000.00	\$-	\$ 1	11,773,000.0
angible Costs											
Q-Flowback Crews & Equi	ip 392	2						\$ 49,000.00	\$-	\$	49,000.0
Surface Casing	40:			\$	32,000.00				\$ -	\$	32,000.0
Intermed Csg	402			\$	253,000.00				\$-	\$	253,000.0
Production Casing/Liner	403	3		\$	628,000.00				\$-	\$	628,000.0
Wellhead Equip	40			\$	115,000.00	e			\$ -	\$	115,000.0
Tubing	504		-			\$ 113,000.00 \$ 61.000.00			\$ -	\$ \$	113,000.0
Vellhead Equip Tanks	505	5				\$ 61,000.00	\$ 78.000.00		s - s -	\$	61,000.0
-Flowlines/Pipelines	510			-			\$ 78,000.00 \$ 35,000.00		\$ - \$ -	\$ \$	35,000.0
Htr Trtr/Seprtr	51			-			\$ 251,000.00		\$ -	\$	251,000.0
Electrical System/Equipm		3				1	\$ 154,000.00		\$-	\$	154,000.0
ckrs/Anchors/Hgrs	514	4				\$ 142,000.00			\$ -	\$	142,000.0
Couplings/Fittings/Valves							\$ 261,000.00		\$-	\$	261,000.0
Pumps-Surface	52:						\$ 35,000.00		\$-	\$	35,000.0
Instrumentation/SCADA/	/POC 522	2					\$ 26,000.00		\$.	\$	26,000.0
Miscellaneous	523		-				\$ 26,000.00		\$ -	\$	26,000.0
Meters/Lacts	525 525			+			\$ 35,000.00 \$ 42,000.00		\$ - \$ -	\$ \$	35,000.0
Flanne (Canal) in the in	sion 520		-	+		\$ 55,000.00	\$ 42,000.00		\$ - \$ -	\$ \$	42,000.0
		<b>'</b> 1				φ 55,000.00		\$ 18.000.00		\$	18.000.0
-Flares/Combusters/Emise Gas Lift/Compression Q-Wellbead Equipment		1									
	53:	1 \$ -	\$ -	\$	1,028,000.00	\$ 371,000.00	\$ 943,000.00			-	
as Lift/Compression Q-Wellhead Equipment		1 \$-	\$ -	\$	1,028,000.00		\$ 943,000.00 \$ 1,234,000.00	\$ 67,000.00		-	2,409,000.0

COG Operating LLC

By:

## We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC By:

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

		FNL, 1655 FV FSL, 550 FWI	WL	OR UNIT C OR UNIT M	T25S-R27 T26S-R27					State & County Objective	ATLAS 2527 NEW MEXICO, EDDY DRILL & COMPLETE 25,115		
			3, 25S-27E & ALL SEC 4, 26S-	27E						TVD	9,775		
ost Description		Code	PreSpud (PS)	Pre-Set Casing	g(PC)	Drilling (DR)	Completions (	C) Tan	k Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revisio	n	То
tangible Costs		205		1				_					
-Lctn/Pits/Roads -Drilling Overhead		205 206			s	145,000.00					\$ - \$ -	\$	145,000.0 11,000.0
-Daywork Contract		200			s	789,000.00					ş -	ş S	789.000.0
-Directional Drlg Services		210			s	421,000.00					\$ -	\$	421,000.0
-Fuel & Power		211			\$	136,000.00					\$-	\$	136,000.0
-Water		212			\$	115,000.00					\$ - \$ -	\$	115,000.0
-Bits -Mud & Chemicals		213 214			\$	145,000.00					\$ - \$ -	\$ \$	145,000.0
-Cement Surface		217			s	29,000.00					\$ -	\$	29,000.0
-Cement Intermed		218			s	114,000.00					\$-	\$	114,000.0
-Prod-2nd Int Cmt		219			\$	168,000.00					\$-	\$	168,000.0
-Float Equipment & Centraliz -Csg Crews & Equip	zers	221 222			s	92,000.00 99,000.00					\$ - \$ -	\$	92,000.0 99,000.0
-Csg Crews & Equip -Contract Labor		222			s	99,000.00					s -	\$	99,000.0
Company Sprvsn		226			s	66,000.00					\$ -	\$	66,000.0
-Contract Sprvsn		227			\$	165,000.00					\$-	\$	165,000.0
D-Tstg Csg/Tbg		228			s	61,000.00					s -	\$	61,000.0
-Mud Logging Unit -Rentals-Surface		229 235			\$	61,000.00 256.000.00					\$ - \$ -	\$ \$	61,000.0 256.000.0
-Rentals-Surface -Rentals-Subsrfc		235			\$	256,000.00 119,000.00		-			s -	\$	256,000.0
O-Trucking/Forklift/Rig Mob		237			s	244,000.00					\$ -	\$	244,000.0
-Welding Services		238			s	5,000.00					\$-	\$	5,000.0
-Contingency		243			\$	92,000.00					\$-	\$	92,000.0
D-Envrnmtl/Clsd Loop		244 304			\$	403,000.00					\$ -	\$	403,000.0
C-Wellbore Frac Prep C-Lctn/Pits/Roads		304					\$ 209,000.0 \$ 22,000.0				\$ - \$ -	\$	209,000.0
C-Completion OH		306					\$ 33.000.0				\$ -	ŝ	33,000.0
-Frac Equipment		307					\$ 1,430,000.0	0			\$ -	\$	1,430,000.0
-Frac Chemicals		308					\$ 906,000.0				\$-	\$	906,000.0
-Frac Proppant		309 310					\$ 411,000.0				\$ - \$ -	\$	411,000.0
-Frac Proppant Transportation -Fuel Delivery & Services	on	310					\$ 639,000.0 \$ 92,000.0				s -	\$	92,000.0
-Water		312					\$ 604.000.0				\$ -	ŝ	604,000.0
C-Frac Surface Rentals		315					\$ 570,000.0	0			\$-	\$	570,000.0
C-Contract Labor		325					\$ 22,000.0				\$-	\$	22,000.00
C-Company Sprvsn		326					\$ 22,000.0				\$ - \$ -	\$	22,000.0
C-Contract Sprvsn		327 329					\$ 305,000.0 \$ 98.000.0				\$ - \$ -	\$ \$	305,000.0
-Perf/Wireline Svc		331					\$ 702,000.0				\$ -	\$	702,000.0
C-Trucking/Forklift/Rig Mob		337					\$ 22,000.0				\$-	\$	22,000.0
-Water Disposal		339					\$ 87,000.0				\$-	\$	87,000.0
C-Contingency C-Dyed Diesel		343 345					\$ 163,000.0 \$ 342,000.0				\$ - \$ -	\$ \$	163,000.0
-Drillout		345					\$ 342,000.0				\$ -	ŝ	652.000.0
B-Damages/Right of Way		351						\$	2,000.00		\$ -	\$	2,000.0
B-Location/Pits/Roads		353						\$	45,000.00		\$-	\$	45,000.0
B-Contract Labor		356						\$	244,000.00		\$ - \$ -	\$	244,000.0
EQ-Contract Labor EQ-Water Disposal		374 387								\$ 18,000.00 \$ 81,000.00	\$ - \$ -	\$ \$	18,000.0
EQ-HRZ Well Offset Frac		391								\$ 9,000.00	\$ -	\$	9,000.0
otal Intangible Costs			\$-	\$	- \$	4,043,000.00	\$ 7,331,000.0	D \$	291,000.00	\$ 108,000.00	\$ -	\$	11,773,000.0
angible Costs EQ-Flowback Crews & Equip		392		1						\$ 49,000.00	e	\$	49,000.0
-Surface Casing		392 401			s	32.000.00				a 49,000.00	\$ - \$ -	\$	49,000.0
-Intermed Csg		401			\$	253,000.00					\$ -	\$	253,000.0
-Production Casing/Liner		403			\$	628,000.00					\$-	\$	628,000.0
-Wellhead Equip		405			\$	115,000.00					\$-	\$	115,000.0
-Tubing -Wellhead Equip		504					\$ 113,000.0				\$ - \$ -	\$	113,000.0
-Wellhead Equip B-Tanks		505 510					\$ 61,000.0	0 \$	78.000.00		\$ - \$ -	\$ \$	61,000.0 78.000.0
B-Flowlines/Pipelines		510						\$	35,000.00		\$ -	\$	35,000.0
B-Htr Trtr/Seprtr		512						\$	251,000.00		\$-	\$	251,000.0
B-Electrical System/Equipme	ent	513						\$	154,000.00		\$-	\$	154,000.0
-Pckrs/Anchors/Hgrs		514 515					\$ 142,000.0		261.000.00		\$ - \$ -	\$	142,000.0
B-Couplings/Fittings/Valves B-Pumps-Surface		515						\$ \$	261,000.00 35,000.00		\$ - \$ -	\$	261,000.0 35,000.0
B-Instrumentation/SCADA/P	ос	521						\$	26,000.00		\$ -	\$	26,000.0
B-Miscellaneous		523						\$	26,000.00		\$-	\$	26,000.0
B-Meters/Lacts		525					-	\$	35,000.00		\$-	\$	35,000.0
B-Flares/Combusters/Emissio	on	526 527						\$	42,000.00		\$ -	\$	42,000.0
-Gas Lift/Compression		527 531					\$ 55,000.0	U		\$ 18.000.00	\$ - \$ -	\$	55,000.0 18,000.0
FO-Wellbead Equipment		221	•		-	4 000 000 00	¢ 074 000 0		943,000.00	\$ 67,000.00		ې \$	2,409,000.0
EQ-Wellhead Equipment otal Tangible Costs			· s - ·	\$	- 5	1,028,000.00	\$ 371,000.0	0 2			\$ -		
EQ-Wellhead Equipment otal Tangible Costs otal Gross Cost			\$ - \$ -	\$	- \$	5,071,000.00			1,234,000.00			\$	14,182,000.0

COG Operating LLC

By:

## We approve: % Working Interest

Company: By:

Printed Name: Title: Date:

Date Prepared: 10.25.22

COG Operating LLC

By:

### Received by OCD: 3/30/2023 4:52:47 PM

NAME OF CONTACT	COMPANY	DATE	TYPE OF COMMUNICATION	DISCUSSION TOPIC
				OPERATORSHIP OF FLAMING SNAIL
MICHAEL STEVENSON & RANDY BLURTON	VERITAS PERMIAN RESOURCES III, LLC	5/3/2022	PHONE	PROJECT AREA. TITLE/LEASEHOLD
				OPERATORSHIP OF FLAMING SNAIL
MICHAEL STEVENSON & RANDY BLURTON	VERITAS PERMIAN RESOURCES III, LLC	5/4/2022	EMAIL	PROJECT AREA. TITLE/LEASEHOLD
				DDOTO OF PROJECT AREA, OA
MICHAEL STEVENSON & RANDY BLURTON	VERITAS PERMIAN RESOURCES III, LLC	7/7/2022	EMAIL	DISCUSSIONS, COMMINGLING
				DEVELOPMENT OF PROJECT AREA,
MICHAEL STEVENSON	VERITAS PERMIAN RESOURCES III, LLC	8/25/2022	EMAIL	TIMING
GREGG PAZER	CHEVRON U.S.A. INC	9/19/2022	EMAIL	CONFLICTING PERMITS IN PROJECT AREA
GREGG PAZER	CHEVRON U.S.A. INC	9/19/2022	EMAIL	PROJECT AREA & PERMITS
GREGG PAZER	CHEVRON U.S.A. INC	9/20/2022	EMAIL	PROJECT AREA & PERMITS
GREGG PAZER	CHEVRON U.S.A. INC	9/28/2022	EMAIL	PROJECT AREA & PERMITS
GREGG PAZER	CHEVRON U.S.A. INC	10/10/2022	EMAIL	PROJECT AREA & PERMITS
MICHAEL STEVENSON	VERITAS PERMIAN RESOURCES III, LLC	10/11/2022	EMAIL	PROJECT AREA & PERMITS
MICHAEL STEVENSON	VERITAS PERMIAN RESOURCES III, LLC	10/12/2022	EMAIL	AFEs & PROPOSED OA
MICHAEL STEVENSON	VERITAS PERMIAN RESOURCES III, LLC	10/19/2022	EMAIL	DEVELOPMENT OF PROJECT AREA
MICHAEL STEVENSON	VERITAS PERMIAN RESOURCES III, LLC	10/19/2022	EMAIL	PROPOSED OA
MICHAEL STEVENSON	VERITAS PERMIAN RESOURCES III, LLC	10/25/2022	EMAIL	WELL PROPOSALS & AFEs SENT
COURTNEY CARR	OXY Y-1 COMPANY	10/26/2022	EMAIL	WELL PROPOSALS & AFEs SENT
HANNAH EASTWOOD	OXY Y-1 COMPANY	10/26/2022	EMAIL	WELL PROPOSALS & AFES SENT
MICHAEL STEVENSON	VERITAS PERMIAN RESOURCES III, LLC	10/27/2022	EMAIL	UPDATED OA EXHIBITS A & H
HANNAH EASTWOOD	OXY Y-1 COMPANY	10/27/2022	EMAIL	UPDATED OA EXHIBITS A & H
KEVIN CRUZ	CHEVRON U.S.A. INC	10/27/2022	EMAIL	UPDATED OA EXHIBITS A & H
				RESENT DIGITAL COPIES OF WELL
HANNAH EASTWOOD	OXY Y-1 COMPANY	10/27/2022	EMAIL	PROPOSALS, AFES AND OA DRAFT
HANNAH EASTWOOD	OXY Y-1 COMPANY	10/31/2022	EMAIL	WI/ORRI/TRACTS/DEVELOPMENT
MICHAEL STEVENSON	VERITAS PERMIAN RESOURCES III, LLC	11/3/2022	EMAIL	PROPOSED OA
				DEVELOPMENT OF PROJECT AREA,
KEVIN CRUZ	CHEVRON U.S.A. INC	11/7/2022	EMAIL	TIMING
MICHAEL STEVENSON	VERITAS PERMIAN RESOURCES III, LLC	11/10/2022	EMAIL	INTEREST VERIFICATION
MICHAEL STEVENSON	VERITAS PERMIAN RESOURCES III, LLC	11/14/2022	EMAIL	PROPOSED OA
				DEVELOPMENT OF PROJECT AREA,
KEVIN CRUZ	CHEVRON U.S.A. INC	11/16/2022	EMAIL	TIMING
				DEVELOPMENT OF PROJECT AREA,
MICHAEL STEVENSON	VERITAS PERMIAN RESOURCES III, LLC	11/22/2022		TIMING
KEVIN CRUZ	CHEVRON U.S.A. INC	11/28/2022	EMAIL	AFEs & DEVELOPMENT
KEVIN CRUZ	CHEVRON U.S.A. INC	11/29/2022		AFEs
HANNAH EASTWOOD	OXY Y-1 COMPANY	11/29/2022	EMAIL	UPDATED OA, EXHIBIT C, AFEs
KEVIN CRUZ	CHEVRON U.S.A. INC	1/10/2023	EMAIL	PROPOSED OA, COMPULSORY POOLING
HANNAH EASTWOOD	OXY Y-1 COMPANY	1/11/2023	EMAIL	PROPOSED OA, COMPULSORY POOLING

COG Operating LLC Case No. 23303 Exhibit A-6

### STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

CASE NO. 23303

### SELF-AFFIRMED STATEMENT OF ANDREW FLETCHER

1. I am a geologist for COG Operating LLC ("COG"). I am over 18 years of age, have personal knowledge of the matters addressed herein, and am competent to provide this Self-Affirmed Statement. I have not previously testified before the New Mexico Oil Conservation Division ("Division").

2. I have a Master of Science in Geology from Oklahoma State University and five years of experience in the petroleum industry. My experience has focused on planning and executing projects, and mapping reservoir properties in the Delaware Basin. A copy of my resume is attached as **Exhibit B-1**.

3. I am familiar with the geological matters that pertain to the above-referenced case.

4. Exhibit B-2 is a location map of the proposed horizontal spacing unit ("Unit"). The approximate wellbore paths for the proposed Flaming Snail Fed Com 701H, 702H, 703H, 704H, 705H, 706H, 707H, 708H, 709H, 710H, 801H, 802H, 803H, 804H, 805H, and 806H wells are represented by dashed lines. Existing producing wells in the targeted interval are represented by solid lines.

5. **Exhibit B-3** is a subsea structure map for the Wolfcamp formation that is representative of the targeted interval. The data points are indicated by crosses. The approximate wellbore paths of the wells are depicted by dashed lines. The map demonstrates the formation is

COG Operating LLC Case No. 23303 Exhibit B gently dipping to the east in this area. I do not observe any faulting, pinch-outs, or geologic impediments to developing the targeted intervals with horizontal wells.

6. **Exhibit B-4** is a cross section map that identifies three wells penetrating the targeted intervals used to construct a structural cross-section from A to A'. I used these well logs because they penetrate the targeted intervals, are of good quality, and are representative of the geology in the area.

7. **Exhibit B-5** is a stratigraphic cross-section using the representative wells identified on Exhibit B-3. It contains gamma ray, resistivity and porosity logs. The proposed landing zone for the well is labeled on the exhibit. This cross-section demonstrates the target intervals are continuous across the Unit.

8. In my opinion, a standup orientation for the wells is appropriate to properly develop the subject acreage because of consistent rock properties throughout the Unit and the lack of preferred fracture orientation in this portion of the trend.

9. Based on my geologic study of the area, the targeted interval underlying the Unit is suitable for development by horizontal wells and the tracts comprising the Unit will contribute more or less equally to the production of the wells.

10. In my opinion, the granting of COG's application will serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

11. The attached exhibits were either prepared by me or under my supervision or were compiled from company business records.

12. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm my testimony above is true and correct and is made under penalty of perjury under

the laws of the State of New Mexico. My testimony is made as of the date identified next to my signature below.

Andrew Fletcher

[-26-2023 Date

## Andrew W. Fletcher

Awfletcher711@gmail.com | (281) 740-7711 | 6003 San Bernard Drive, Midland, TX 79707

#### EXPERIENCE

#### May 2017 - Present | Petroleum Geoscientist | ConocoPhillips

#### February 2021 – Present | Delaware Basin | Asset Development Geologist | Midland, TX

- Created method for conjoining Enverus production and completion data with well path shapefiles in Petrel for well performance comparison against reservoir property maps.
- Lead well planning efforts and presented project proposals to management for asset's 1-2 rig drilling program.
- Assessed water disposal risk to drilling activities and evaluated new SWD permit applications.
- Actively geosteered 30+ Wolfcamp and Bone Spring wells by providing real-time interpretations and drilling guidance to ensure optimal well placement.
- Monitored competitor activity in asset area to identify emerging development strategies.
- Supported Delaware Basin growth efforts through geologic evaluations of acreage trades and OBO proposals.
- Lead study investigating inter-zone fluid communication between horizontal wellbores.
- Trained/mentored co-workers, new hires, and interns on workflows, best practices, and software.

#### June 2020 – February 2021 | Midland Basin | Development Geologist | Houston, TX

- Leveraged strengths in data integration, evaluation, and prospect generation to efficiently develop and fully monetize assets, creating value and optionality within our leasehold.
- Performed subsurface characterization work for current and prospective development areas.
- Monitored industry activity in areas of interest and evaluated new play opportunities.
- Planned and progressed ConocoPhillips' first two Midland Basin horizontal wellbores pre-Concho acquisition. Both wells now performing above type curve (Reagan Core 110E 1H and Reagan Core 4E 1H wells).
- Lead infill drilling risk evaluation for Delaware Basin assets.
- Created well spacing analytics tool to aid in establishing production relationships between wells for varying spacing, stacking, and sequencing scenarios.

#### June 2018 – June 2020 | Delaware Basin and Eagle Ford | Operations Geologist | Houston, TX

- Prognosed, landed, and geosteered 28 Delaware Basin wells and 25 Eagle Ford wells.
- Created geologic structure grids, cross-sections, and picked geologic tops on local and regional scales.
- Coordinated and lead pre-spud meetings between subsurface, drilling, regulatory, and field operations teams.
- Provided post-drill wellbore summaries by integrating geology, drilling parameters, and execution details.
- Created drilling performance optimization tool, which cataloged drilling issues and drilling performance metrics by geologic zone and area. Tool contributed to a 50% reduction in Wolfcamp C lateral drilling durations.
- Assisted in pilot hole data acquisition by collaborating with reservoir characterization team and contractors.
- 100+ competitor re-steers and provided detailed geologic and drilling performance follow-up analysis for re-steers.

#### May 2017 – August 2017 | North Slope | Internship | Anchorage, AK

- Determined hydrocarbon resource volumes by integrating seismic attributes and well data.
- 3D seismic fault mapping for resource compartmentalization evaluation and well planning.
- 4 wells drilled based on internship characterization work, all of which are performing above type curve.

#### **EDUCATION**

#### December 2018 | Master of Science, Geology | Oklahoma State University

- Cumulative GPA: 3.83/4.00
- Thesis topic: utilizing gravity and magnetics data to identify cratonic rifting processes.
- Research emphasis: potential-field geophysics, spectral signal processing, and remote sensing.

#### January 2015 | Bachelor of Science, Geology | Utah Valley University

- Cumulative GPA: 3.83/4.00
- Major GPA: 3.95/4.00
- Research emphasis: structural geology, geochemistry, resource geology, hydrology, and paleoclimatology.

COG Operating LLC Case No. 23303 Exhibit B-1

#### SKILLS

Geomodeling	Facies modeling	Reservoir property mapping	Structure mapping			
Well correlation	Data analytics	Geosteering	Asset evaluation			
SOFTWARE / PLATFORM	IS					
Petrel	Starsteer (+Solo)	Enverus	Sourcenergy (Sourcewater)			
Wellview	ArcMap	Decision Space Geoscience	Spotfire			
AWARDS & HONORS						
Earth Science Student of th	e Year 2014 (UVU)	Chevron Research Fun	d Award (Aug 2015 – Present)			
Questar Scholarship (Aug 2	013 – May 2015)	Elected to Dean's Hon	Elected to Dean's Honor Roll (Jan 2011 – Dec 2014)			
Utah Geological Society Sch	nolarship (April 2014)	Undergraduate Resear	rch Award (Mar 2013 – May 2014)			
PUBLICATIONS						

- Fletcher, A. et al. (2018) Lithospheric controls on the rifting of the Tanzanian Craton at the Eyasi Basin, Eastern Branch of the East African Rift System. *Tectonics*. Vol. 37, Issue 9, p2818-2832
- Bunds, M., DuRoss, C., Fletcher, A., Toke, N. (2015) High-resolution topographic mapping for geologic hazard studies using low-altitude aerial photographs and structure from motion software: methods, accuracy and examples. Geological Society of America Conference Paper, Baltimore, MD.
- Bryant, H., Fletcher, A., Judd, E., Zanazzi, A. (2015) Eocene-Oligocene latitudinal climate gradients in North American inferred from stable isotope ratios in perissodactyl tooth enamel. *Paleogeography, Paleoclimatology, Paleoecology*. Vol. 417, p561-568

# (Exhibit B-2) Flaming Snail Fed Com 701H-710H & 801H-806H







# (Exhibit B-3) Flaming Snail Fed Com 701H-710H & 801H-806H Wolfcamp Structure Map







# (Exhibit B-4) Flaming Snail Fed Com 701H-710H & 801H-806H Cross-section Map

COG Operating 14 67 92 Case No. 23303 Exhibit B-4







# (Exhibit B-5) Wolfcamp – Stratigraphic Cross Section A – A'

COG Operatipage 06 of 92 Case No. 23303 Exhibit B-5





### STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

### CASE NO. 23303

### SELF-AFFIRMED STATEMENT OF DANA S. HARDY

1. I am attorney in fact and authorized representative of COG Operating LLC, the Applicant herein.

2. I am familiar with the Notice Letter attached as **Exhibit C-1** and caused the Notice Letter, along with the Application in this case, to be sent to the parties set out in the chart attached

as Exhibit C-2.

3. Exhibit C-2 also provides the date each Notice Letter was sent and the date each return was received.

4. Copies of the certified mail green cards and white slips are attached as Exhibit C-3 as supporting documentation for proof of mailing and the information provided on Exhibit C-2.

5. On January 10, 2023, I caused a notice to be published to all interested parties in the Carlsbad Current Argus. An Affidavit of Publication from the Legal Clerk of the Carlsbad Current Argus, along with a copy of the notice publication, is attached as **Exhibit C-4**.

6. I understand this Self-Affirmed Statement will be used as written testimony in the subject cases. I affirm that my testimony above is true and correct and it made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

<u>/s/ Dana S. Hardy</u> Dana S. Hardy <u>March 30, 2022</u> Date

> COG Operating LLC Case No. 23303 Exhibit C



## HINKLE SHANOR LLP

ATTORNEYS AT LAW P.O. BOX 2068 SANTA FE, NEW MEXICO 87504 505-982-4554 (FAX) 505-982-8623

January 11, 2023

WRITER: Dana S. Hardy, Partner dhardy@hinklelawfirm.com

### <u>VIA CERTIFIED MAIL</u> <u>RETURN RECEIPT REQUESTED</u>

### TO ALL PARTIES ENTITLED TO NOTICE

# Re: Case Nos. 23303 & 23304 – Applications of COG Operating LLC for Compulsory Pooling, Eddy County, New Mexico.

To whom it may concern:

This letter is to advise you that the enclosed applications were filed with the New Mexico Oil Conservation Division. The hearing will be conducted on **February 2, 2023**, beginning at 8:15a.m.

Hearings are currently conducted remotely. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: <u>https://www.emnrd.nm.gov/ocd/hearing-info/</u>. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Pursuant to Division Rule 19.15.4.13.B, a party who intends to present evidence at the hearing shall file a pre-hearing statement and serve copies on other parties, or the attorneys of parties who are represented by counsel, at least four business days in advance of a scheduled hearing, but in no event later than 5:00 p.m. Mountain Time, on the Thursday preceding the scheduled hearing The statement must be submitted through the OCD E-Permitting system date. (https://wwwapps.emnrd.nm.gov/ocd/ocdpermitting/ via e-mail to ) or ocd.hearings@emnrd.nm.gov and should include: the names of the parties and their attorneys, a concise statement of the case, the names of all witnesses the party will call to testify at the hearing, the approximate time the party will need to present its case, and identification of any procedural matters that are to be resolved prior to the hearing.

Please contact Shelley C. Klingler, Senior Land Negotiator for COG Operating LLC, by phone at 432-688-9027 if you have any questions regarding this matter.

Sincerely,

<u>/s/ Dana S. Hardy</u> Dana S. Hardy

> COG Operating LLC Case No. 23303 Exhibit C-1

PO BOX 10 ROSWELL, NEW MEXICO 88202 (575) 622-6510 FAX (575) 623-9332 7601 JEFFERSON ST NE · SUITE 180 ALBUQUERQUE, NEW MEXICO 87109 505-858-8320 (FAX) 505-858-8321 PO BOX 2068 SANTA FE, NEW MEXICO 87504 (505) 982-4554 FAX (505) 982-8623

### Released to Imaging: 3/31/2023 10:25:48 AM

Enclosure



## HINKLE SHANOR LLP

ATTORNEYS AT LAW P.O. BOX 2068 SANTA FE, NEW MEXICO 87504 505-982-4554 (FAX) 505-982-8623

January 6, 2023

WRITER: Dana S. Hardy, Partner dhardy@hinklelawfirm.com

### <u>VIA CERTIFIED MAIL</u> RETURN RECEIPT REQUESTED

### TO ALL PARTIES ENTITLED TO NOTICE

# Re: Case Nos. 23303 & 23304 – Applications of COG Operating LLC for Compulsory Pooling, Eddy County, New Mexico.

To whom it may concern:

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Pursuant to Division Rule 19.15.4.13.B, a party who intends to present evidence at the hearing shall file a pre-hearing statement and serve copies on other parties, or the attorneys of parties who are represented by counsel, at least four business days in advance of a scheduled hearing, but in no event later than 5:00 p.m. Mountain Time, on the Thursday preceding the scheduled hearing The statement must be submitted through the OCD E-Permitting system date. (https://wwwapps.emnrd.nm.gov/ocd/ocdpermitting/ via e-mail to ) or ocd.hearings@emnrd.nm.gov and should include: the names of the parties and their attorneys, a concise statement of the case, the names of all witnesses the party will call to testify at the hearing, the approximate time the party will need to present its case, and identification of any procedural matters that are to be resolved prior to the hearing.

Please contact Shelley C. Klingler, Senior Land Negotiator for COG Operating LLC, by phone at 432-688-9027 if you have any questions regarding this matter.

Sincerely,

*/s/ Dana S. Hardy* Dana S. Hardy

Enclosure

PO BOX 10 ROSWELL, NEW MEXICO 88202 (575) 622-6510 FAX (575) 623-9332 7601 JEFFERSON ST NE · SUITE 180 ALBUQUERQUE, NEW MEXICO 87109 505-858-8320 (FAX) 505-858-8321

### STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO

CASE NO. 23303

### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, EDDY COUNTY, NEW MEXICO

**CASE NO. 23304** 

PARTY	NOTICE LETTER SENT	<b>RETURN RECEIVED</b>
Buffalo River Minerals, LLC.,	1/11/23	01/23/23
8 The Green, Suite 8479		
Dover, Delaware 19901		
Chevron U.S.A. Inc.	01/06/23	01/18/23
1400 Smith St., Suite 3600		
Houston, TX 77002		
Coterra Energy Inc.	01/06/23	01/11/23
600 N. Marienfeld St., Suite 600		
Midland, TX 79701		
Donald R. Creamer, Inc.	01/06/23	01/11/23
2005 W. Boyd St.		
Midland, TX 79705		
Donald R. Creamer, Inc.	01/06/23	01/26/23
3300 N "A" Street		
One Petroleum Center		
Building 1, Suite 244		
Midland, TX 79705		
Donald R. Creamer, Inc.	01/06/23	02/10/23
PO Box 10014		
Midland, TX 79702		Return to sender.
EOG Resources Inc.	01/06/23	01/12/23
5509 Champions Blvd.		
Midland, TX 79706		
Map Resources, Inc.	01/06/23	01/11/23
401 W. Texas Ave.		
Midland, TX 79701		
Richard E., and Blix A. Masterson	01/06/23	01/13/23
3520 Rocks Mill Lane		
Charlottsville, VA 22903		
Richard E., and Blix A. Masterson	01/06/23	02/06/23
5712 Heartland Court		
Midland, TX 79707		Return to sender.

### NOTICE LETTER CHART

COG Operating LLC Case No. 23303 Exhibit C-2

### STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO

CASE NO. 23303

### APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT, EDDY COUNTY, NEW MEXICO

**CASE NO. 23304** 

Greg McCabe PO Box 11188 Midland, TX 79702	01/06/23	01/18/23
Nestegg Energy Corporation 2308 Sierra Vista Rd Artesia, NM 88210	01/06/23	01/12/23
OXY Y-1 Company 5 Greenway Plaza, Suite 110 Houston, TX 77046	01/06/23	01/18/23
Samson Resources II 15 East 5th Street, Suite 1000 Tulsa, OK 74103	01/06/23	01/19/23
TRO-X, L.P. 511 W. Ohio, Suite 301 Midland, TX 79701	01/06/23	01/20/23 Return to sender.
TRO-X, L.P. PO Box 3816 Midland, TX 79702	01/06/23	01/23/23
Veritas Permian Resources III, LLC 6500 White Settlement Rd. Westworth Village, TX 76114	01/06/23	01/13/23
Veritas Permian Resources III, LLC PO Box 10850 Fort Worth, TX 76114	01/06/23	02/24/23

### NOTICE LETTER CHART

Received by OCD: 3/30/2023 4:52	47 PM FOSTUP OCT 100	TIDT
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8	Certified Mail Restricted Delivery	Here
	Adult Signature Required	
	Postage	
20	- College	
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		USPE
	Sant To	
E	a period	
1202	Buffalo River Minerals, LLC., 8 The Green, Suite 8479	er a ser
r-	Dover, Delaware 19901	
	( 23303 & 23304 (COG - Flaming Snail)	
	PS Form 3800, April 2015 PSN 7530-02-000-9047	See Reverse for Instructions



COG Operating LLC Case No. 23303 Exhibit C-3
















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1. Article Addressed to: Greg McCabe PO Box 11188 Midland, TX 79702	D. Is delivery address different from item 1? Yes If YES, enter delivery address before BNo JAN 18 2023
23303 & 23304 - COG Flaming Snail	Service Type     Hinkle Shanot Profity Mail Express®     Adult Signature     Santa Fe NM 87 Apgistered Mail <sup>™M</sup> Adult Signature Restricted Delivery     Certified Mail®     Certified Mail Restricted Delivery
2. Article Number (Transfer from service label) 7021 0950 0002 0368 7297	Collect on Delivery     Collect on Delivery     Collect on Delivery Restricted Delivery     Insured Mail     Insured Mail     Insured Mail Restricted Delivery     (over \$500)
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1. Article Addressed to:       JAN 1 9 202         Samson Resources II       Hinkle Shanor L         15 East 5th Street, Suite 1 Gama Fe NM 87         Tulsa, C 74103	B. Is delivery address different from item 17 1098 If YES, enter delivery address below: INO PMB 54! 149521 Riverside Akay TUSA, OK 74037-7408
23303 & 23304 - COG Flaming Snail 9590 9402 7635 2122 8635 08 2. Article Number (Transfer from service label) 7021 0950 0002 0368 7426	Service Type     Adult Signature     Adult Signature Restricted Delivery     Certified Mail®     Certified Mail®     Collect on Delivery     Collect on Delivery Restricted Delivery     Collect on Delivery Restricted Delivery     Insured Mail     Insured Mail     Restricted Delivery     Cover \$500)
PS Form 3811, July 2020 PSN 7530-02-000-9053	Domestic Return Receipt

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<ol> <li>Article Addressed to:</li> <li>Veritas Permian Resources III, LLC</li> <li>PO Box 10850</li> <li>Fort Worth, TX 76114</li> </ol>	D. Is delivery address different from item 1? Tyss If YES, enter delivery address below: RECEIVED FEB 24 2023
23303 & 23304 - COG Flaming Snail 9590 9402 7635 2122 8633 79 2. Article Number (Transfer from service label) 7021 0950 0002 0368 7204	Service Type Hinkle Shanor Liphority Mail Express®     Adult Signature Restricted Delivery     Certified Mail®     Collect on Delivery Restricted Delivery     Collect on Delivery Restricted Delivery     I collect on Delivery Restricted Delivery     Insured Mail Restricted Delivery     Insured Mail Restricted Delivery     (over \$500)

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# **Carlsbad Current Argus**.

Affidavit of Publication Ad # 0005548502 This is not an invoice

#### HINKLE SHANOR LLP **POBOX 10**

### ROSWELL, NM 88202-0010

I, a legal clerk of the Carlsbad Current Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof in editions dated as follows:

01/10/2023

Legal Clerk

Subscribed and sworn before me this January 10,

2023:

State of WI, County of Brown **NOTARY PUBLIC** 

My commission expires

Ad # 0005548502 PO #: 0005548502 # of Affidavits1

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KATHLEEN ALLEN Notary Public State of Wisconsin

> **COG Operating LLC** Case No. 23303 Exhibit C-4

This is to notify all interested parties, including Chev-ron U.S.A. Inc., Coterra Ener-gy Inc., EOG Resources Inc., Veritas Permian Resources III, LLC, OXY Y-1 Company, Greg McCabe, TRO-X, L.P., Donald R. Creamer, Inc., Man Resources Inc. Richard Map Resources, Inc., Richard E. Masterson and Blix Ann Masterson, Nestegg Energy Corporation, Samson Re-sources, and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by COG Operating LLC (Case No. 23303). The hearing will be conducted remotely on February 2, 2023, beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website for that date: <u>https:</u> website for that date: https: //www.emnrd.nm.gov/ocd/h earing-info/. Applicant ap-plies for an order pooling all uncommitted interests in the Wolfcamp formation underlying a 1,920-acre, more or less, standard hori-zontal spacing unit com-prised of Sections 28 and 33 of Township 25 South, Range 27 East, and Section 4 of Township 26 South, Range 27 East, Eddy County, New Mexico ("Unit"). Appli-cant seeks to dedicate the cant seeks to dedicate the Unit to the following pro-posed wells ("Wells"): the Flaming Snail Fed Com 701H, Flaming Snail Fed Com 702H, Flaming Snail Fed Com 703H, Flaming Snail Fed Com 801H, and Flaming Snail Fed Com 802H, to be drilled from a surface hole location in the NE/4 NE/4 (Unit A) of Section 28, Township 25 South, Range 27 East, to bottom hole locations in the SE/4 cant seeks to dedicate the 28, Township 25 South, Range 27 East, to bottom hole locations in the SE/4 SE/4 (Unit P) of Section 4, Township 26 South, Range 27 East; the Flaming Snail Fed Com 704H, Flaming Snail Fed Com 705H, and Flaming Snail Fed Com 803H, to be drilled from a surface hole location in the NE/4 NE/4 (Unit A) of Section 28, Township 25 South, Range 27 East, to bottom hole locations in the SW/4 SE/4 (Unit O) of Section 4, Township 26 South, Range 27 East; the Flaming Snail Fed Com 706H, Flaming Snail Fed Com 707H, Flam-

ing Snail Fed Com 708H, Flaming Snail Fed Com Com 804H, and Flaming Snail Fed Com 805H, to be drilled from a surface hole location from a surface hole location in the NE/4 NW/4 (Unit C) of Section 28, Township 25 South, Range 27 East, to bottom hole locations in the SE/4 SW/4 (Unit N) of Section 4, Township 26 South, Range 27 East; and the Flaming Snail Fed Com 709H, Flaming Snail Fed Com 710H, and Flaming Snail Fed Com 806H, to be drilled from a surface hole Snail Fed Com 806H, to be drilled from a surface hole location in the NE/4 NW/4 (Unit -C) of Section 28, Township 25 South, Range 27 East, to a bottom hole lo-cation in the SW/4 SW/4 (Unit M) of Section 4, Township 26 South, Range 27 East. The completed in-tervals of the Wells will be orthodox. The completed in-terval of the Flaming Snail Fed Com 706H well will be located within 330' of the quarter-quarter section line separating the E/2 and W/2 of Sections 28 and 33, Township 25 South, Range 27 East, and Section 4, Township 26 South, Range 27 East, to allow for the cre-ption of 1920acre Township 26 South, Range 27 East, to allow for the cre-ation of a 1,920-acre standard horizontal spacing unit. Also to be considered will be the cost of drilling and completing the wells and the allocation of the costs, the designation of Ap-plicant as the operator of the Wells, and a 200% charge for the risk involved in drilling and completing the Wells. The Wells are lo-cated approximately 22 cated approximately 22 miles south of Carlsbad, New Mexico.

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#5548502, Current Argus, January 10, 2023