

# COG OPERATING LLC

Green Beret Federal Com 501H
Green Beret Federal Com 601H, 602H
Green Beret Federal Com 701H,702H,801H
Section 20-T25S-35E
Lea County, New Mexico

Case Nos. 21264-21265 BEFORE THE OIL CONSERVATION DIVISION EXAMINER HEARING May 28, 2020



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

APPLICATIONS OF COG OPERATING LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

**CASE NOS. 21264-21265** 

# CONSOLIDATED HEARING PACKAGE TABLE OF CONTENTS

- Compulsory Pooling Application Checklist and Filed Application
- COG Exhibit A: Affidavit of Megan Tipton, Landman
  - o COG Exhibit A-1: Draft C-102s
  - o COG Exhibit A-2: General Location Map
  - o COG Exhibit A-3: Land/Unit Recap
  - o COG Exhibit A-4: Sample Well Proposal Letter
  - o COG Exhibit A-5: Sample Well Proposal Letter
  - o COG Exhibit A-6: Sample Well Proposal Letter
  - o COG Exhibit A-7: Sample Well Proposal Letter
  - o COG Exhibit A-8: AFE
  - o COG Exhibit A-9: Chronology of Contact
- COG Exhibit B: Affidavit of Brian Sitek, Geologist
  - o COG Exhibit B-1: Top of Second Bone Spring Structure Map
  - o COG Exhibit B-2: Top of Wolfcamp Structure Map
  - o COG Exhibit B-3: Cross Section Map
  - o COG Exhibit B-4: Stratigraphic Cross Section
  - o COG Exhibit B-5: Stratigraphic Cross Section
  - o COG Exhibit B-6: Well Locator Map
- COG Exhibit C: Notice Affidavit
- COG Exhibit D: Affidavit of Publication

# **COMPULSORY POOLING APPLICATION CHECKLIST**

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

Case: 21264	APPLICANT'S RESPONSE
Date: May 28, 2020	
Applicant	COG Operating LLC
Designated Operator & OGRID (affiliation if applicable)	229137
Applicant's Counsel:	Holland & Hart
Case Title:	APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.
Entries of Appearance/Intervenors:	
Well Family	Green Beret
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	WC-025 G-08 S2535340;BONE SPRING (97088)
Well Location Setback Rules:	Standard
Spacing Unit Size:	480-acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	480-acres
Building Blocks:	quarter-quarter sections
Orientation:	North-South
Description: TRS/County	E/2 of Sec. 20 and NE/4 of Sec. 29, 25S, 35E, Lea County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	Yes, E/2 E/2 of Sec 20 and E/2 NE/4 of Sec. 29
Proximity Defining Well: if yes, description	Green Beret Federal Com #602H
Applicant's Ownership in Each Tract	Exhibit A-3
Well(s)	
Name & API (if assigned), surface and bottom hole location, ootages, completion target, orientation, completion status standard or non-standard)	

SHL: 465 FNL and 2095 FEL (Unit B) of Section 20 BHL: 2590 FNL and 1295 FEL (Unit B) of Section 20 BHL: 2590 FNL and 1296 FEL (Unit B) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Green Beret Federal Com 602H (API pending) SHL: 370 FNL and 660 FEL (Unit H) of Section 20 BHL: 2590 FNL and 660 FEL (Unit H) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Green Beret Federal Com 602H (API pending) SHL: 3590 FNL and 660 FEL (Unit B) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to So	Well #1	Cream Bount Fodoural Com FOMM (ADI mondica)
HHL: 2590 FNL and 1980 FEL (Unit G) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Cardinary Well #2  ### STOP FNL and #60 FEL (Unit A) of Section 20 BHL: 390 FNL and #60 FEL (Unit H) of Section 29 Township 25 South, Range 35 East Completion Target: Sone Spring formation Well Orientation: North to South Completion Incuration expected to be: Standard #### Standard ### Stand	Aveil #1	Green Beret Federal Com 501H (API pending)
Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Green Beret Federal Com 601H (AP) pending) SHL: 370 FNL and 760 FEL (Unit A) of Section 20 BHL: 2590 FNL and 560 FEL (Unit A) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Green Beret Federal Com 602H (AP) pending) SHL: 455 FNL and 2035 FEL (Unit C) of Section 29 Township 25 South, Range 35 East Completion Location expected to be: Standard Green Beret Federal Com 602H (AP) pending) SHL: 455 FNL and 2035 FEL (Unit C) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit C) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target (Formation Well Orientation: North to South Completion Target (		
Completion Target: Bone Spring formation Well #2  Well #2  Green Beret Federal Com 601H (AP) pending) SHL: 2590 FNL and 660 FEL (Unit H) of Section 20 BHL: 2590 FNL and 660 FEL (Unit H) of Section 20 BHL: 2590 FNL and 660 FEL (Unit H) of Section 20 BHL: 2590 FNL and 660 FEL (Unit H) of Section 20 BHL: 2590 FNL and 660 FEL (Unit H) of Section 29 Township 25 South, Bange 35 East Completion Target: Bone Spring formation Well 0rientation: North to South Completion Location expected to be: Standard Green Beret Federal Com 602H (API pending) SHL: 2590 FNL and 1640 FEL (Unit H) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit H) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit H) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit H) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit H) of Section 29 Township 25 South, Bange 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring format		. ,
Well #2  Well #2  Well #2  Green Beret Federal Com Gold HQPI pending SHIL: 370 FNL and 760 FEL (Unit A) of Section 20 BHIL: 2590 FNL and 660 FEL (Unit A) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Green Beret Federal Com 602 H (API pending) SHIL: 3590 FNL and 603 FEL (Unit A) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Green Beret Federal Com 602 H (API pending) SHIL: 465 FNL and 2035 FEL (Unit B) of Section 20 BHIL: 2590 FNL and 1640 FEL (Unit C) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Exhibit A-1  Section Target (Formation, TVD and MD)  Exhibit A-1  Section Target (Formation, TVD and MD)  Exhibit A-3  Exhibit C  FE Capex and Operating Costs  Exhibit C  FOR Of Mailed Notice of Hearing (10 days before hearing)  Exhibit C  FOR Of Mailed Notice of Hearing (10 days before hearing)  Exhibit C  FOR Of Mailed Notice of Hearing (10 days before hearing)  Exhibit D  FE Capex Exhibit C  FOR OF Published Notice of Hearing (10 days before hearing)  Exhibit D  FOR OF Published Notice of Hearing (10 days before hearing)  Exhibit A-3  Exhibit A-3  Exhibit D  FOR OF Published Notice of Hearing (10 days before hearing)  Exhibit D  FOR OF Published Notice of Hearing (10 days before hearing)  Exhibit D  FOR OF Published Notice of Hearing (10 days before hearing)  Exhibit A-3  Exhibit D  FOR OF Published Notice of Hearing (10 days before hearing)  Exhibit D  FOR OF Published Notice of Hearing (10 days before hearing)  Exhibit D  FOR OF Published Notice of Hearing (10 days before hearing)  Exhibit D  FOR OF Published Notic		
Completion Location expected to be: Standard Green Beret Federal Com 601H Afty pending) SHL: 370 FNL and 760 FEL (Unit A) of Section 20 BHL: 2590 FNL and 660 FEL (Unit A) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Green Beret Federal Com 602H (AP) pending) SHL: 465 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 660 FEL (Unit B) of Section 29 Township 25 South, Range 35 East Completion Location expected to be: Standard Green Beret Federal Com 602H (AP) pending) SHL: 465 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit B) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit B) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 2035 FEL (Unit B) of Section 2		
See   Beret Federal Com 601H (API pending)		
BHL: 2590 FNL and 660 FEL (Unit H) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Green Beret Federal Com 602H (API pending) SHL: 465 FNL and 2035 FEL (Unit 8) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit 8) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit 8) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit 8) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit 8) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Exhibit A-1  Description Target (Formation, TVD and MD)  Exhibit A-4  FE Capex and Operating Costs Filling Supervision/Month \$  \$7,500  Stiffcation for Supervision Costs Exhibit A  equested Risk Charge 200%  Touched Plearing Toposed Notice of Hearing Forosed Notice of Hearing Forosed Notice of Hearing (20 days before hearing) For of Mailed Notice of Hearing (10 days before hearing) For of Published Notice of Hearing (10 days before hearing) For Stilbit C  Exhibit D  Indicatable Parties to be Pooled Exhibit D  Moreship Depth Severance (including percentage above & Blow)  N/A	Well #2	
Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Green Beret Federal Com 602H (API pending) SHI: 465 FNL and 2035 FEL (Unit B) of Section 20 BHI: 2590 FNL and 1640 FEL (Unit B) of Section 20 BHI: 2590 FNL and 1640 FEL (Unit B) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target: Bone Spring formation Well Orientation: North to South Completion Target (Formation, TVD and MD)  Exhibit A-1  FE Capex and Operating Costs  Irilling Supervision/Month \$ S750  Stilling Supervision/Month \$ S750  Stilling Supervision/Month \$ S750  Sustification for Supervision Costs  equested Risk Charge 200%  otice of Hearing  roposed Notice of Hearing (20 days before hearing) For Off Mailed Notice of Hearing (10 days before hearing) For Off Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Notice of Hearing (10 days before hearing) For Mailed Noti		SHL: 370 FNL and 760 FEL (Unit A) of Section 20
Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard  Green Beret Federal Com 602H (API pending) SHL: 465 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit B) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit B) of Section 20 How the Standard Section 10 of Section 20 How the Standard Section 10 of Section 20 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Exhibit A-1  FE Capex and Operating Costs  FE Capex and Operating Costs  Filling Supervision/Month \$  S750  Satisfication for Supervision Costs Exhibit A  Exhibit A  Exhibit A  Exhibit C  Food of Hearing Food of Hearing Food of Mailed Notice of Hearing (10 days before hearing) Food of Published Notice of Hearing (10 days before hearing) Food of Published Notice of Hearing (10 days before hearing) Food of Published Notice of Hearing (10 days before hearing) Formula Section Secti		BHL: 2590 FNL and 660 FEL (Unit H) of Section 29
Well Orientation: North to South Completion Location expected to be: Standard Green Beref Federal Com 602H (API pending) SHL: 465 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit G) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit G) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Exhibit A-1  Sompletion Target (Formation, TVD and MD)  Exhibit A-4  FE Capex and Operating Costs  FIlling Supervision/Month \$  S7,500  satification for Supervision Costs Exhibit A  equested Risk Charge 200% Sotice of Hearing Toposed Notice of Hearing (20 days before hearing) Toposed Notice of Hearing (10 days before hearing) Toposed Notice of Hea		
Completion Location expected to be: Standard		
See   Beret Federal Com 602H (API pending)   SHL: 465 FNL and 2035 FEL (Unit B) of Section 20   BHL: 2590 FNL and 1640 FEL (Unit B) of Section 29   Township 25 South, Range 35 East   Completion Target: Bone Spring formation   Well Orientation: North to South   Completion Location expected to be: Standard   Exhibit A-1		
SHL: 465 FNL and 2035 FEL (Unit B) of Section 20 BHL: 2590 FNL and 1640 FEL (Unit C) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Britishit A-1  September 1	MAII #2	
BHL: 2590 FNL and 1640 FEL (Unit G) of Section 29 Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Exhibit A-1  Exhibit A-1  Exhibit A-4  FE Capex and Operating Costs  Irrilling Supervision/Month \$  S7,500  Sustification Supervision/Month \$  Statification for Supervision Costs  Exhibit A  Exhibit A  200%  Interest (Faring  For of Pharing  For of Supervision Supervision  For of Hearing  For of Hearing  For of Hearing  For of Hearing  For of Supervision  For of Hearing  For of Hearing  For of Supervision  For of Hearing  For of Hearing  For of Supervision  For of Hearing  For of Full days before hearing  For of Full days  For of Hearing  For of Full days  For of Hearing  For of Full days  For of Hearing  For of Hear	Weil #3	· · · · · · · · · · · · · · · · · · ·
Township 25 South, Range 35 East Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard  Exhibit A-1  Exhibit A-1  Exhibit A-4  Exhibit A-4  Exhibit A-4  Exhibit A-4  Exhibit A-4  Exhibit A-6  Exhibit A-7  Exhibit A-7  Exhibit A-8  Exhibit A-8  Exhibit A-8  Exhibit A-8  Exhibit A-8  Exhibit C  Exhibit D  Exhibit D  Exhibit D  Exhibit A-3  Exhibit D  Exhibit D  Exhibit D  Exhibit D  Exhibit D		
Completion Target: Bone Spring formation Well Orientation: North to South Completion Location expected to be: Standard Exhibit A-1  Exhibit A-1  Exhibit A-4  Exhibit A-4  Exhibit A-4  Exhibit A-4  Exhibit A-4  Exhibit A-6  Exhibit A-7  Exhibit A-7  Exhibit A-8  Exhibit A-8  Exhibit A-8  Exhibit A-8  Exhibit A-8  Exhibit C  Exhibit D  Exhibit D  Exhibit A-3  Exhibit D		La contraction of the contractio
Well Orientation: North to South Completion Location expected to be: Standard  Exhibit A-1  Interpret (Formation, TVD and MD)  Exhibit A-4  Exhibit A-6  Exhibit A-7  Exhibit C-7  Exhibit A-3  Exhibit D-7  Exhibit		
Identizated Nell First and Last Take Points  Exhibit A-1  Exhibit A-1  Exhibit A-4  Exhibit A-5  Exhibit A  Exhibit C  Exhibit D  Exhibit D  Exhibit D  Exhibit D  Exhibit A-3  Exhibit D		
Identizated Nell First and Last Take Points  Exhibit A-1  Exhibit A-1  Exhibit A-4  Exhibit A-5  Exhibit A  Exhibit C  Exhibit D  Exhibit D  Exhibit D  Exhibit D  Exhibit A-3  Exhibit D		Completion Location expected to be: Standard
FE Capex and Operating Costs  rilling Supervision/Month \$ \$7,500  roduction Supervision/Month \$ \$750  astification for Supervision Costs  equested Risk Charge  lotice of Hearing  roposed Notice of Hearing (20 days before hearing)  rof of Mailed Notice of Hearing (10 days before hearing)  Exhibit C  roof of Published Notice of Hearing (10 days before hearing)  Exhibit D  whereship Determination  and Ownership Schematic of the Spacing Unit  ract List (including lease numbers and owners)  Exhibit A-3  cooled Parties (including ownership type)  Inlocatable Parties to be Pooled  whership Depth Severance (including percentage above & elow)  N/A	Horizontal Well First and Last Take Points	
prilling Supervision/Month \$ \$7,500  production Supervision/Month \$ \$750  Instification for Supervision Costs Exhibit A  equested Risk Charge 200%  Instification for Supervision Costs Exhibit C  Instifuction for S	Completion Target (Formation, TVD and MD)	Exhibit A-4
roduction Supervision/Month \$ \$750  ustification for Supervision Costs  equested Risk Charge  200%  roposed Notice of Hearing  roposed Notice of Hearing (20 days before hearing)  roof of Mailed Notice of Hearing (10 days before hearing)  more of Published Notice of Hearing (10 days before hearing)  more of Published Notice of Hearing (10 days before hearing)  more of Published Notice of Hearing (10 days before hearing)  more of Published Notice of Hearing (10 days before hearing)  more of Published Notice of Hearing (10 days before hearing)  more of Published Notice of Hearing (10 days before hearing)  Exhibit D  more of Published Notice of Hearing (10 days before hearing)  Exhibit D  more of of Published Notice of Hearing (10 days before hearing)  Exhibit D  more of Published Notice of Hearing (10 days before hearing)  Exhibit D  more of Published Notice of Hearing (10 days before hearing)  Exhibit A-3  Exhibit A-3  Exhibit A-3  Exhibit A-3  more List (including ownership type)  Exhibit A-3  more days days days days days days days days	AFE Capex and Operating Costs	
Exhibit A  equested Risk Charge  cotice of Hearing  roposed Notice of Hearing  ropof of Mailed Notice of Hearing (20 days before hearing)  roof of Published Notice of Hearing (10 days before hearing)  Exhibit C  roof of Published Notice of Hearing (10 days before hearing)  Exhibit D  wnership Determination  and Ownership Schematic of the Spacing Unit  Exhibit A-3  ract List (including lease numbers and owners)  Exhibit A-3  coled Parties (including ownership type)  Exhibit A-3  nlocatable Parties to be Pooled  wnership Depth Severance (including percentage above & elow)  N/A	Drilling Supervision/Month \$	\$7,500
lotice of Hearing roposed Notice of Hearing roposed Notice of Hearing (20 days before hearing) ropof of Mailed Notice of Hearing (10 days before hearing) Exhibit C roof of Published Notice of Hearing (10 days before hearing) Exhibit D  Indicate the Spacing Unit Exhibit A-3 Fract List (including lease numbers and owners) Exhibit A-3 Exhibit D	Production Supervision/Month \$	\$750
roposed Notice of Hearing roposed Notice of Hearing roposed Notice of Hearing (20 days before hearing) Exhibit C roof of Mailed Notice of Hearing (10 days before hearing) Exhibit D Exhibit D Exhibit D Exhibit A-3 Fract List (including lease numbers and owners) Exhibit A-3 Fract List (including ownership type) Exhibit D Exhibit D Exhibit D Exhibit D Exhibit D	Justification for Supervision Costs	Exhibit A
roposed Notice of Hearing  Fixhibit C  Froof of Mailed Notice of Hearing (20 days before hearing)  Fixhibit C  Fixhibit C  Fixhibit C  Fixhibit D  Fixhibit D  Fixhibit D  Fixhibit D  Fixhibit A-3  Fixhibit D  Fixhibit D  Fixhibit D  Fixhibit D  Fixhibit D	Requested Risk Charge	200%
roof of Mailed Notice of Hearing (20 days before hearing)  roof of Published Notice of Hearing (10 days before hearing)  Exhibit D  Exhibit D  Exhibit D  Exhibit A-3  Fact List (including lease numbers and owners)  Exhibit A-3  Exhibit D  Exhibit D  Exhibit D	Notice of Hearing	
roof of Published Notice of Hearing (10 days before hearing)  where ship Determination  and Ownership Schematic of the Spacing Unit  Exhibit A-3  Fact List (including lease numbers and owners)  Fooled Parties (including ownership type)  Exhibit A-3  Final Depth Severance (including percentage above & Exhibit Depth Severance (including percentage above & N/A	Proposed Notice of Hearing	Exhibit C
whership Determination  and Ownership Schematic of the Spacing Unit Exhibit A-3  ract List (including lease numbers and owners) Exhibit A-3  cooled Parties (including ownership type) Exhibit A-3  nlocatable Parties to be Pooled Exhibit D  wnership Depth Severance (including percentage above & elow)  N/A	Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit C
and Ownership Schematic of the Spacing Unit  Exhibit A-3  Exhibit D  Exhibit D  Exhibit D  Exhibit D  Exhibit D	Proof of Published Notice of Hearing (10 days before hearing)	Exhibit D
ract List (including lease numbers and owners)  Exhibit A-3  Exhibit A-3  Exhibit A-3  Inlocatable Parties to be Pooled  Exhibit D  Exhibit D  Exhibit D  Exhibit D  Exhibit D	Ownership Determination	
pooled Parties (including ownership type)  Exhibit A-3  Inlocatable Parties to be Pooled  wnership Depth Severance (including percentage above & elow)  Exhibit D  Exhibit D	Land Ownership Schematic of the Spacing Unit	Exhibit A-3
nlocatable Parties to be Pooled Exhibit D wnership Depth Severance (including percentage above & elow)  N/A	Tract List (including lease numbers and owners)	Exhibit A-3
wnership Depth Severance (including percentage above & N/A	Pooled Parties (including ownership type)	Exhibit A-3
elow) N/A	Unlocatable Parties to be Pooled	Exhibit D
pinder	Ownership Depth Severance (including percentage above & below)	N/A
	Joinder	

Sample Copy of Proposal Letter	Exhibit A-4, A-5, A-6 and A-7					
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-3					
Chronology of Contact with Non-Joined Working Interests	Exhibit A-9					
Overhead Rates In Proposal Letter	Exhibit A-4					
Cost Estimate to Drill and Complete	Exhibit A-8					
Cost Estimate to Equip Well	Exhibit A-8					
Cost Estimate for Production Facilities	Exhibit A-8					
Geology						
Summary (including special considerations)	Exhibit B					
Spacing Unit Schematic	Exhibit A-2					
Gunbarrel/Lateral Trajectory Schematic	Exhibit A-2					
Well Orientation (with rationale)	Exhibit B					
Target Formation	Exhibit B					
HSU Cross Section	Exhibit B-4 and B-5					
Depth Severance Discussion	N/A					
Forms, Figures and Tables						
C-102	Exhibit A-1					
Tracts	Exhibit A-3					
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-3					
General Location Map (including basin)	Exhibit A-2					
Well Bore Location Map	Exhibit A-2					
Structure Contour Map - Subsea Depth	Exhibit B-1 and B-2					
Cross Section Location Map (including wells)	Exhibit B-3					
Cross Section (including Landing Zone)	Exhibit B-4 and B-5					
Additional Information						
Special Provisions/Stipulations	None					
CERTIFICATION: I hereby certify that the information pr	ovided in this checklist is complete and accurate.					
Printed Name (Attorney or Party Representative):	Michael H. Feldewert					
Signed Name (Attorney or Party Representative):	1 St. Eller					
Date:	26-May-20					

# **COMPULSORY POOLING APPLICATION CHECKLIST**

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

Case: 21265	APPLICANT'S RESPONSE
Date: May 28, 2020	
Applicant	COG Operating LLC
Designated Operator & OGRID (affiliation if applicable)	229137
Applicant's Counsel:	Holland & Hart
Case Title:	APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.
Entries of Appearance/Intervenors:	
Well Family	Green Beret
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	DOGIE DRAW;WOLFCAMP Pool (17980)
Well Location Setback Rules:	Standard
Spacing Unit Size:	480-acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	480-acres
Building Blocks:	quarter-quarter sections
Orientation:	North-South
Description: TRS/County	E/2 of Sec. 20 and NE/4 of Sec. 29, 25S, 35E, Lea County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	Yes, W/2 E/2 of Sec 20 and W/2 NE/4 of Sec. 29
Proximity Defining Well: if yes, description	Green Beret Federal Com 701H
Applicant's Ownership in Each Tract	Exhibit A-3
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	

Well #1	Green Borot Fodoral Com 701H (ABI nonding)
AACH #1	Green Beret Federal Com 701H (API pending) SHL: 370 FNL and 790 FEL (Unit A) of Section 20
9	BHL: 2590 FNL and 1210 FEL (Unit H) of Section 29
	Township 25 South, Range 35 East
	Completion Target: Wolfcamp formation
	Well Orientation: North to South
	Completion Location expected to be: Standard
Well #2	Green Beret Federal Com 702H (API pending)
	SHL: 465 FNL and 2125 FEL (Unit B) of Section 20
	BHL: 2590 FNL and 2310 FEL (Unit G) of Section 29
	Township 25 South, Range 35 East
	Completion Target: Wolfcamp formation
	Well Orientation: North to South
Well #3	Completion Location expected to be: Standard
Well #3	Green Beret Federal Com 801H (API pending) SHL: 465 FNL and 2065 FEL (Unit B) of Section 20
	BHL: 2590 FNL and 1760 FEL (Unit G) of Section 29
	Township 25 South, Range 35 East
	Completion Target: Wolfcamp formation
	Well Orientation: North to South
	Completion Location expected to be: Standard
Horizontal Well First and Last Take Points	Exhibit A-1
Completion Target (Formation, TVD and MD)	Exhibit A-4
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$7,500
Production Supervision/Month \$	\$750
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit C
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit C
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit D
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-3
Tract List (including lease numbers and owners)	Exhibit A-3
Pooled Parties (including ownership type)	Exhibit A-3
Unlocatable Parties to be Pooled	Exhibit D
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	

Sample Copy of Proposal Letter	Exhibit A-4, A-5, A-6 and A-7				
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-3				
Chronology of Contact with Non-Joined Working Interests	Exhibit A-9				
Overhead Rates In Proposal Letter	Exhibit A-4				
Cost Estimate to Drill and Complete	Exhibit A-8				
Cost Estimate to Equip Well	Exhibit A-8				
Cost Estimate for Production Facilities	Exhibit A-8				
Geology					
Summary (including special considerations)	Exhibit B				
Spacing Unit Schematic	Exhibit A-2				
Gunbarrel/Lateral Trajectory Schematic	Exhibit A-2				
Well Orientation (with rationale)	Exhibit B				
Target Formation	Exhibit B				
HSU Cross Section	Exhibit B-5				
Depth Severance Discussion	N/A				
Forms, Figures and Tables					
C-102	Exhibit A-1				
Tracts	Exhibit A-3				
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-3				
General Location Map (including basin)	Exhibit A-2				
Well Bore Location Map	Exhibit A-2				
Structure Contour Map - Subsea Depth	Exhibit B-2				
Cross Section Location Map (including wells)	Exhibit B-3				
Cross Section (including Landing Zone)	Exhibit B-5				
Additional Information					
Special Provisions/Stipulations	None				
CERTIFICATION: I hereby certify that the information pr	ovided in this checklist is complete and accurate.				
Printed Name (Attorney or Party Representative):	Michael H. Feldewert				
Signed Name (Attorney or Party Representative):	- jullo fellers - 25 Mars 20				
Date:	26-May-20				

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

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

CASE NO. 2 2.

#### **APPLICATION**

COG Operating LLC ("Applicant") (OGRID No. 229137), through its undersigned attorneys, hereby files this application with the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order pooling all uncommitted interests in the Bone Spring formation underlying a standard 480-acre, more or less, horizontal spacing unit comprised of the E/2 of Section 20, and the NE/4 of Section 29, Township 25 South, Range 35 East, Lea County, New Mexico. In support of its application, COG states:

- 1. Applicant is a working interest owner in the proposed horizontal spacing unit and has the right to drill thereon.
- 2. Applicant seeks to dedicate the above-referenced horizontal spacing unit to the following proposed wells:
  - The Green Beret Federal Com #501H well and the Green Beret Federal Com #602H well, both of which will be drilled from a common surface hole location in the NW/4 NE/4 (Unit B) of Section 20 to bottom hole locations in the SW/4 NE/4 (Unit G) of Section 29; and
  - The Green Beret Federal Com #601H well, to be drilled from a surface hole location in NE/4 NE/4 (Unit A) of Section 20 to a bottom hole location in the SE/4 NE/4 (Unit H) of Section 29.

- 3. The completed interval for the proposed **Green Beret Federal Com #602H** well will remain within 330 feet of the quarter-quarter line separating the E/2 E/2 from the W/2 E/2 of Section 20, and the E/2 NE/4 from the W/2 NE/4 of Section 29, to allow inclusion of these proximity tracts in a standard 480-acre horizontal well spacing unit.
- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all the interest owners in the subject spacing unit.
- 5. The pooling of interests will avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.
- 6. 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 this horizontal spacing unit should be pooled and Applicant should be designated the operator of the proposed horizontal well spacing unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on May 14, 2020, and, after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted interests in the horizontal spacing unit;
- B. Approving the initial wells in the horizontal spacing unit;
- C. Designating Applicant as the operator of this spacing 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,

**HOLLAND & HART LLP** 

Bv

Michael H. Feldewert

Adam G. Rankin

Julia Broggi

Kaitlyn A. Luck

Post Office Box 2208

Santa Fe, New Mexico 87504-2208

(505) 988-4421

(505) 983-6043 Facsimile

mfeldewert@hollandhart.com

agrankin@hollandhart.com

jbroggi@hollandhart.com

kaluck@hollandhart.com

ATTORNEYS FOR COG OPERATING LLC

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

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

CASE NO. <u>2 2</u>

#### **APPLICATION**

COG Operating LLC ("Applicant") (OGRID No. 229137), through its undersigned attorneys, hereby files this application with the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 480-acre, more or less, horizontal spacing unit comprised of the E/2 of Section 20, and the NE/4 of Section 29, Township 25 South, Range 35 East, Lea County, New Mexico. In support of its application, COG states:

- 1. Applicant is a working interest owner in the proposed horizontal spacing unit and has the right to drill thereon.
- 2. Applicant seeks to dedicate the above-referenced horizontal spacing unit to the following proposed wells:
  - The Green Beret Federal Com #701H well, to be drilled from a surface hole location in NE/4 NE/4 (Unit A) of Section 20 to a bottom hole location in the SE/4 NE/4 (Unit H) of Section 29; and
  - The Green Beret Federal Com #702H well and the Green Beret Federal Com #801H well, both of which will be drilled from a common surface hole location in the NW/4 NE/4 (Unit B) of Section 20 to bottom hole locations in the SW/4 NE/4 (Unit G) of Section 29.

- 3. The completed interval for the proposed **Green Beret Federal Com #701H well** will remain within 330 feet of the quarter-quarter line separating the E/2 E/2 from the W/2 E/2 of Section 20, and the E/2 NE/4 from the W/2 NE/4 of Section 29, to allow inclusion of these proximity tracts in a standard 480-acre horizontal well spacing unit.
- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all the interest owners in the subject spacing unit.
- 5. The pooling of interests will avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.
- 6. 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 this horizontal spacing unit should be pooled and Applicant should be designated the operator of the proposed horizontal well spacing unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on May 14, 2020, and, after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted interests in the horizontal spacing unit;
- B. Approving the initial wells in the horizontal spacing unit;
- C. Designating Applicant as the operator of this spacing 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,

**HOLLAND & HART LLP** 

By: \_\_\_\_\_

Michael H. Feldewert

Adam G. Rankin

Julia Broggi

Kaitlyn A. Luck

Post Office Box 2208

Santa Fe, New Mexico 87504-2208

(505) 988-4421

(505) 983-6043 Facsimile

mfeldewert@hollandhart.com

agrankin@hollandhart.com

jbroggi@hollandhart.com

kaluck@hollandhart.com

ATTORNEYS FOR COG OPERATING LLC

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

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

CASE NOS. 21264 & 21265

AFFIDAVIT OF MEGAN TIPTON, LANDMAN

Megan Tipton, being of lawful age and duly sworn, states the following:

1. My name is Megan Tipton and I am employed by COG Operating LLC ("COG")

as a Landman. I have previously testified before the New Mexico Oil Conservation Division as

an expert witness in petroleum land matters and my credentials have been accepted by the Division

and made a matter of record.

2. I am familiar with the applications filed by COG these consolidated matters and the

status of the lands in the subject area.

3. None of the mineral owners to be pooled have expressed opposition to these

proceedings, so I do not expect any opposition at the hearing.

4. COG seeks orders pooling all uncommitted interests in the Bone Spring and

Wolfcamp formations underlying two standard 480-acre, more or less, horizontal spacing units

comprised of the E/2 of Section 20, and the NE/4 of Section 29, Township 25 South, Range 35

East, Lea County, New Mexico.

5. Under <u>Case 21264</u>, COG seeks to pool the Bone Spring formation [WC-025 G-08

\$2535340;BONE SPRING Pool (97088)] and initially dedicate the spacing unit to the following

proposed initial wells:

1

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Case Nos. 21264-21265

- The Green Beret Federal Com #501H and Green Beret Federal Com #602H to be drilled from a common surface hole location in the NW/4 NE/4 (Unit B) of Section 20 to bottom hole locations in the SW/4 NE/4 (Unit G) of Section 29; and
- The Green Beret Federal Com #601H to be drilled from a surface hole location in NE/4 NE/4 (Unit A) of Section 20 to a bottom hole location in the SE/4 NE/4 (Unit H) of Section 29.

The completed interval for the proposed Green Beret Federal Com #602H well will remain within 330 feet of the E/2 E/2 of Section 20, and the E/2 NE/4 of Section 29, to allow inclusion of these proximity tracts in a standard 480-acre horizontal well spacing unit.

- 6. Under <u>Case 21265</u>, COG seeks to pool the Wolfcamp formation [DOGIE DRAW;WOLFCAMP Pool (17980)] and initially dedicate the spacing unit to the following proposed initial wells:
  - The Green Beret Federal Com #701H to be drilled from a surface hole location in NE/4 NE/4 (Unit A) of Section 20 to a bottom hole location in the SE/4 NE/4 (Unit H) of Section 29; and
  - The Green Beret Federal Com #702H and Green Beret Federal Com #801H to be drilled from a common surface hole location in the NW/4 NE/4 (Unit B) of Section 20 to bottom hole locations in the SW/4 NE/4 (Unit G) of Section 29.

The completed interval for the proposed Green Beret Federal Com #701H well will remain within 330 feet of the W/2 E/2 of Section 20 and the W/2 NE/4 of Section 29 to allow inclusion of these proximity tracts in a standard 480-acre horizontal well spacing unit.

7. **Exhibit A-1** contains Form C-102s for the proposed initial wells for each spacing unit in numerical order.

- 8. **Exhibit A-2** is a general location map outlining the acreage being pooled and the lateral trajectory of the proposed wells. The acreage is comprised of federal and fee lands.
- 9. **Exhibit A-3** identifies the tracts of land comprising the proposed spacing units, the working interest ownership in each tract and their respective interest in the horizontal spacing units. The ownership is the same in the Bone Spring and Wolfcamp formations and no ownership depth severances exist within in these formations underlying the subject acreage.
- 10. COG has highlighted on Exhibit A-3 the mineral owners that remain to be pooled. They consist of a working interest owner, unleased mineral owners, nonparticipating royalty owners and estates with title issues.
- 11. COG has conducted a diligent search of company records, county records, telephone directors and conducted computer searches to locate contact information for each of the mineral owners that it seeks to pool.
- 12. **Exhibits A-4, A-5, A-6** and **A-7** contains a sample of the letters for the proposed wells and spacing units sent to the working interest owners, unleased mineral owners, nonparticipating royalty owners and the estate representatives that COG has been able to locate.
- 13. **Exhibit A-8** contains the AFEs accompanying the letters sent to the cost-bearing owners. The costs reflected on these AFE's are consistent with what COG and other operators have incurred for drilling similar horizontal wells in the area in these formations.
- 14. **Exhibit A-9** contains a chronology of the contacts with the uncommitted mineral owners COG was able to locate. COG has made a good faith effort to obtain voluntary joinder of these owners in the proposed wells.

15. COG requests overhead and administrative rates of \$7,500 per month for drilling and \$750 per month for a producing well. These rates are consistent with the rates charged by COG and other operators for similar wells in this area.

16. I have provided the law firm of Holland and Hart, LLP, with the names and addresses (where available) of the mineral owners that COG seeks to pool and instructed that they be notified of this hearing.

17. There is an existing Bone Spring spacing unit comprised of the E/2 E/2 of Section 29. However, since COG owns all of the working interest in that existing spacing unit, there are no working interest owners affected by the proposed overlapping Bone Spring spacing unit.

18. Exhibits A-1 through A-9 were prepared by me or compiled under my direction from company business records.

**FURTHER AFFIANT SAYETH NAUGHT** 

Megan L. Lipton MEGAN TIPTON

STATE OF TEXAS )
COUNTY OF MIDLAND )

SUBSCRIBED and SWORN to before me this <u>LL</u> day of May 2020 by Megan Tipton.

Becky Zindel
Notary Public, State of Texas
Notary ID 12941587-2
My Commission Exp. 07-10-2021

Buly Zindel

My Commission Expires:

7/10/2021

DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

#### State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR.

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

DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6178 Fax: (506) 334-6170

Santa Fe, New Mexico 87505

□ AMENDED REPORT

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87605 Phone: (505) 476-3460 Fax: (505) 476-3462

	WELL LOCATION AND ACREAGE DEDICATION PLAT	
API Number	Pool Code Pool Name	
30-025	97088 WC-025 G-08 S2535340;	Bone Spring
Property Code	Property Name	Well Number
	GREEN BERET FEDERAL COM	501H
OGRID No.	Operator Name	Elevation
229137	COG OPERATING, LLC	3281.5′

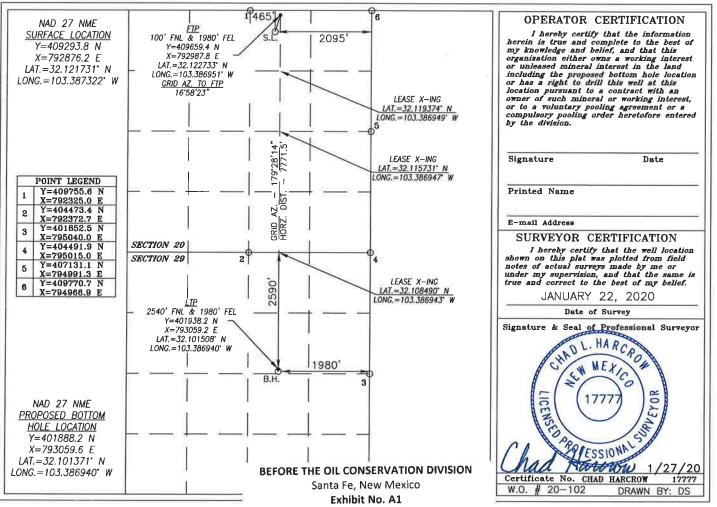
#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
В	20	25-S	35-E		465	NORTH	2095	EAST	LEA

#### 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
G	29	25-S	35-E		2590	NORTH	1980	EAST	LEA
Dedicated Acr	s Joint o	r Infill Co	nsolidation (	Code Or	der No.				
480									

#### 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



Submitted by: COG OPERATING LLC Hearing Date: May 28, 2020

Case Nos. 21264-21265

DISTRICT I

State of New Mexico 1825 N. FRENCH DR., HOBBS, NM 88240 Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

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

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 87605 Phone: (505) 476-3460 Fax: (505) 476-3482

□ AMENDED REPORT

	WELL LOCATION AND	ACREAGE DEDICAT	ION PLAT			
API Number	Pool Code		Pool Name			
30-025	97088	WC-025 G-08	S2535340;	Bone	Spring	
Property Code	Prop	erty Name		Well N	umber	
	GREEN BERET FEDERAL COM					
OGRID No.	Oper	ator Name		Eleva	tion	
229137	COG OPE	RATING, LLC		32	54.8'	

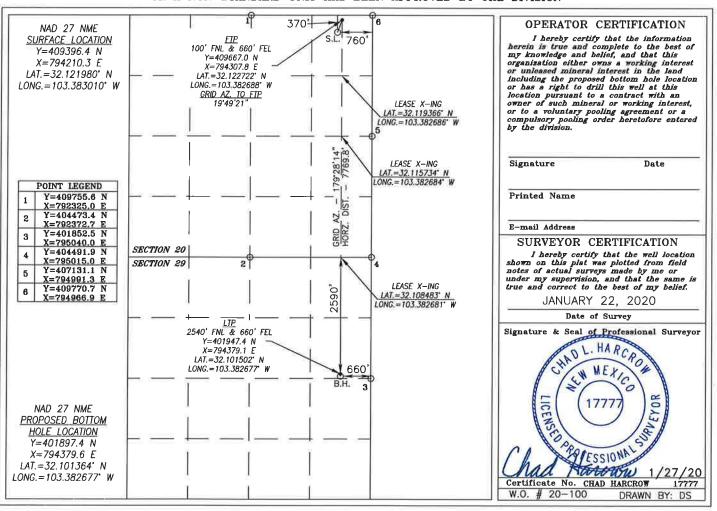
#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	20	25-S	35-E		370	NORTH	760	EAST	LEA

#### Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	p Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Н	29	25-3	S 35-E		2590	NORTH	660	EAST	LEA
Dedicated Acres   Joint or Infill   Consolida		Consolidation	Code Or	der No.					
480									

#### 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



State of New Mexico DISTRICT I

1825 N. FRENCH DR., HOBBS, NM 88240
Phone (676) 363-6161 Fax: (676) 363-0720

State of New Mexico

A Natural Resources Department OIL CONSERVATION DIVISION

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1263 Fax: (575) 748-9720

1220 SOUTH ST. FRANCIS DR. Santa Fe. New Mexico 87505

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

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: (605) 476-3460 Fax: (505) 476-3462

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	WEEL ECCATION AND ACKEAGE DEDICATION I DAT	
API Number	Pool Code Pool Name	
30-025	97088 WC-025 G-08 S2535340;	Bone Spring
Property Code	Property Name	Well Number
	GREEN BERET FEDERAL COM	602H
OGRID No.	Operator Name	Elevation
229137	COG OPERATING, LLC	3280.2

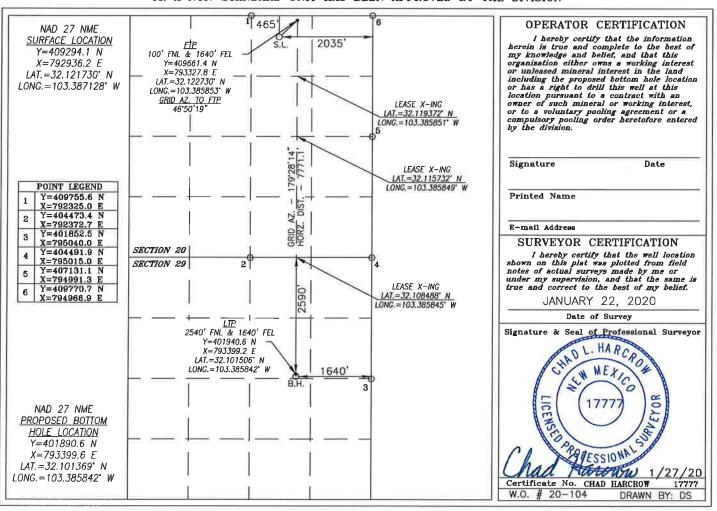
#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
В	20	25-S	35-E		465	NORTH	2035	EAST	LEA

#### 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
G	29	25-S	35-E		2590	NORTH	1640	EAST	LEA
Dedicated Acres	Joint o	r Infill	Consolidation	Code Or	der 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



DISTRICT I
1025 N. FRENCH DR. HOBBS, NM 88240
Phone: (676) 393-6161 Fax: (676) 393-6728
DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (676) 748-1283 Fax: (675) 748-9720

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR.

DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6178 Fax: (506) 334-6170 Santa Fe, New Mexico 87505

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

□ AMENDED REPORT

Phone: (606) 334-6178 Fax: (506) 334-6170 DISTRICT IV 1220 S. St. FRANCIS DR., SANTA FE, NM 67505 Phone: (505) 476-3460 Fax: (605) 476-3462

WELL LOCATION AND ACREAGE DEDICATION PLAT

<del>\</del>	MEDI LOCATION AND	ACREAGE DEDICATION I LAT	
API Number	Pool Code	Pool Name	
30-025-	17980	Dogie Draw; Wolfcam	p
Property Code	Prop	erty Name	Well Number
	GREEN BERE	T FEDERAL COM	701H
OGRID No.	Oper	ator Name	Elevation
229137	COG OPE	RATING, LLC	3255.4'

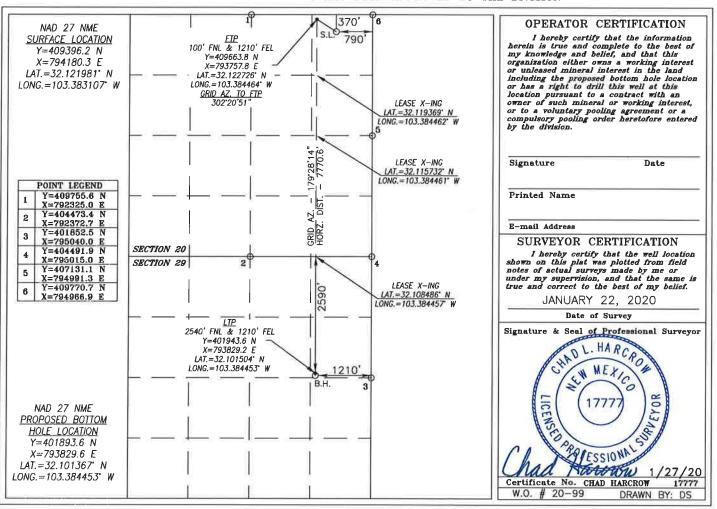
#### Surface Location

UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Α	20	25-S	35-E		370	NORTH	790	EAST	LEA

#### 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
Н	29	25-S	35-E		2590	NORTH	1210	EAST	LEA
Dedicated Acres	Joint o	r Infill Co.	nsolidation (	Code Or	der 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



DISTRICT I 1625 N. FRENCH DR., HOBES, NM 86240 Phone: (576) 393-6161 Fax: (575) 393-0720

State of New Mexico Energy, Minerals & Natural Resources Department

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (675) 748-1283 Fax: (575) 748-2720

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 87605 Phone: (505) 476-3460 Fex: (505) 476-3462

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				
30-025	17980	Dogie Draw; Wo	olfcamp			
Property Code	Prop	erty Name	Well Number			
	GREEN BERE	T FEDERAL COM	702H			
OGRID No.	-	ator Name	Elevation			
229137	COG OPE	RATING, LLC	3282.4			

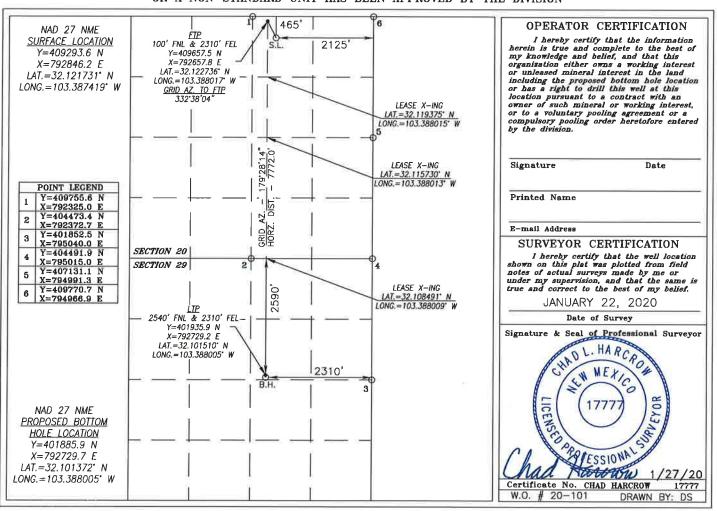
#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
В	20	25-S	35-E		465	NORTH	2125	EAST	LEA

#### Bottom Hole Location If Different From Surface

UL or lot No	Sec	ction	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	2	29	25-5	35-E		2590	NORTH	2310	EAST	LEA
Dedicated Ac	Dedicated Acres   Joint or Infill   Consolidation		Code Or	der No.						
480							I			

#### 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



DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

#### State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR.

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

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) 476-3462 Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	WELL LOCATION AND	ACKEAGE DEDICATION LEAT				
API Number	Pool Code	Pool Name				
30-025	17980	Dogie Draw; Wolfcamp				
Property Code	Prop	erty Name	Well Number			
	GREEN BERE	T FEDERAL COM	801H			
OGRID No.	Oper	ator Name	Elevation			
229137	COG OPE	RATING, LLC	3281.5'			

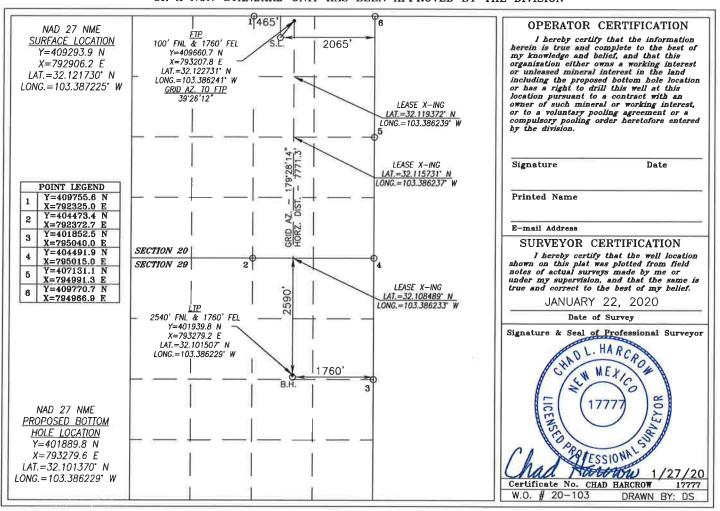
#### Surface Location

ì	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	В	20	25-S	35-E		465	NORTH	- 2065	EAST	LEA

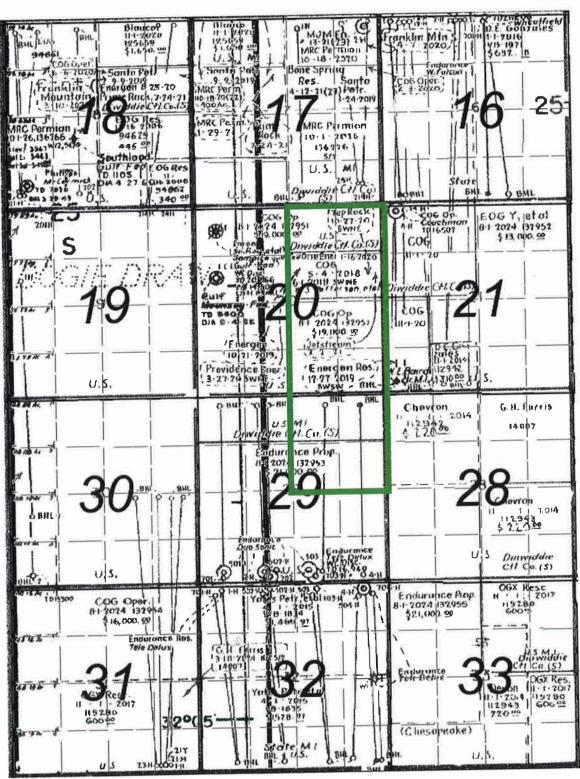
#### Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	29	25-S	35-E		2590	NORTH	1760	EAST	LEA
Dedicated Acres	Joint o	or Infill Consolidation Code		Code Or	der No.				
480									

#### 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



#### Midland Map:



Santa Fe, New Mexico **Exhibit No.** A2

Submitted by: COG OPERATING LLC

Hearing Date: May 28, 2020 Case Nos. 21264-21265

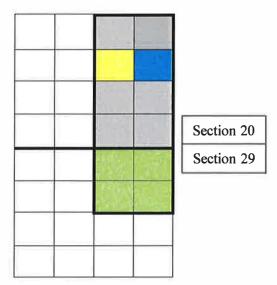
## COG Operating LLC Green Beret Federal Com 501H, 601H, 602H, 701H, 702H, 801H

Township 25 South - Range 35 East, N.M.P.M.

Section 20: E/2 Section 29: NE/4

Lea County, New Mexico

Limited in depth to the Bone Spring & Wolfcamp formations



Tract 1	
Tract 2	
Tract 3	MAN V.R.
Tract 4	STATE OF

Tract 1: Section 20: N/2NE/4, SE/4 (240 Acres)

COG Operating LLC	100.000000%
Total	100.00000%
Tract 2: Section 20: SW/4NE/4 (40 Acres)	
COG Operating LLC	34.395833%
COG Acreage LP	47.375000%
Meridian 102, LP	10.937500%
Tap Rock Resources, LLC	7.291667%
Total	100.000000%
Tract 3: Section 20: SE/4NE/4 (40 Acres)	
COG Operating LLC	31.833334%
COG Acreage LP	57.750000%
Heirs and/or Devisees of Marjorie Winifred Nations Reynolds	2.083333%
The Richard K. Barr Family Trust	8.333333%
Total	100.000000%
Tract 4: Section 29: NE/4 (160 Acres)	
COG Operating LLC	100.000000%
Total	100.000000%

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico
Exhibit No. A3

Submitted by: COG OPERATING LLC Hearing Date: May 28, 2020 Case Nos. 21264-21265 **Unit Working Interest** 

COG Operating LLC	88.852431%	Working Interest Owner
COG Acreage LP	8.760417%	Working Interest Owner
Tap Rock Resources, LLC	0.607639%	Working Interest Owner
Meridian 102, LP	0.911458%	Unleased Mineral Owner
The Richard K. Barr Family Trust	0.694444%	<b>Unleased Mineral Owner</b>
Heirs and/or Devisees of Marjorie Winifred Nations Reynolds	0.173611%	<b>Unleased Mineral Owner</b>
Total	100.000000%	

#### Non Participating Royalty Interest Owners (without pooling authority)

Jerry Haynes

Jerry Haynes

Hazel (Hogan) Riffel

Standard Royalty Corporation\*

Uncommitted Party Being Pooled

#### Parties with Unmarketable Title

Heirs and/or Devisees of William J. Kendall
Joseph Mark Gregory
Heirs and/or Devisees of Dr. Guy J. Nations
The Richard K. Barr Family Trust, Jean Renfro Barr, Trustee
The Scott E. Wilson Bypass Trust, Cynthia Mae Wilson, Trustee
Heirs and/or Devisees of Marjorie Winifred Nations
Kathryn Ann Hendry
Maureen L. Reynolds
Mackenzie J. Reynolds
Arthur William Reynolds
Steve Reynolds
Donna Reynolds

<sup>\*</sup>Voluntarily committed to Bone Spring Unit, so only compulsory pooling as to the Wolfcamp



March 12, 2020

Providence Energy Partners III, LP 16400 North Dallas Parkway, Ste 400 Dallas, TX 75248

Re: Well Proposal- GREEN BERET FEDERAL COM 501H, 601H and 602H

T25S R35E, E/2 Section 20, NE/4 Section 29 480 Ac – Bone Spring Formation Lea 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 on E/2 of Section 20 and NE/4 of Section 29, T25S-R35E, Lea County, New Mexico (collectively, the "Operation"). The surface pad locations will be located in Units A and B of Section 20, T25S-R35E (or another legal location chosen by Operator).

- **GREEN BERET FEDERAL COM #501H,** to be drilled to a depth sufficient to test the Bone Spring formation at an approximate total vertical depth of 10,930 feet. The surface location for this well is proposed at approximately 465 FNL, 2095 FEL, or a legal location in Unit B of Section 20, and a bottom hole location at approximately 2590 FNL, 1980 FEL, or a legal location in Unit G of Section 29. The dedicated horizontal spacing unit will be the E/2 of Section 20 and NE/4 of Section 29, T25S-R35E, Lea County, New Mexico. The total estimated cost to drill and complete said well is \$7,935,387.00, as shown on the attached Authority for Expenditure ("AFE").
- GREEN BERET FEDERAL COM #601H, to be drilled to a depth sufficient to test the Bone Spring formation at an approximate total vertical depth of 12,340 feet. The surface location for this well is proposed at approximately 370 FNL, 760 FEL, or a legal location in Unit A of Section 20, and a bottom hole location at approximately 2590 FNL, 660 FEL, or a legal location in Unit H of Section 29. The dedicated horizontal spacing unit will be the E/2 of Section 20 and NE/4 of Section 29, T25S-R35E, Lea County, New Mexico. The total estimated cost to drill and complete said well is \$8,614,175.00, as shown on the attached AFE.
- GREEN BERET FEDERAL COM #602H, to be drilled to a depth sufficient to test the Bone Spring Formation at an approximate total vertical depth of 12,340 feet. The surface location for this well is proposed at approximately 465 FNL, 2035 FEL, or a legal location in Unit B of Section 20, and a bottom hole location at approximately 2590 FNL, 1640 FEL, or a legal location in Unit G of Section 29. The dedicated horizontal spacing unit will be the E/2 of Section 20 and NE/4 of Section 29, T25S-R35E, Lea County, New Mexico. The total estimated cost to drill and complete said well is \$8,614,715.00, as shown on the attached AFE.

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico
Exhibit No. A4
Submitted by: COG OPERATING LLC
Hearing Date: May 28, 2020

Case Nos. 21264-21265

COG is proposing these wells under the terms of a new Operating Agreement which is included for your review and approval. It has the following general provisions:

- 100/300 Non-Consenting Penalty;
- \$7,500/\$750 Drilling and Producing Rate; and
- COG Operating LLC named as Operator.

If you do not wish to participate in the Operation, COG would like to discuss the term assignment of your interest to COG under the following indicative terms:

- \$5,000/acre bonus;
- 3 Year Primary Term; and
- Overriding Royalty Interest reserved unto assignor of the positive difference (if any) between existing burdens of record and 25%.

Please indicate your desire to term assign your Working Interest to COG by contacting me at the email or telephone number below. This invitation to discuss a term assignment remains open until thirty (30) days after your receipt of any pooling order obtained from the NMOCD.

In the interest of time, if we do not reach an agreement within 30 days of the date of this letter, COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a horizontal spacing unit for the proposed wells.

Please indicate your participation elections in the spaces 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 <a href="mailto:mtipton@concho.com">mtipton@concho.com</a>.

If you have any questions, please do not hesitate to contact me at 432-685-2588.

Sincerely,

**COG Operating LLC** 

Megan L. Tipton

Megan Tipton, RPL

Landman

CM: Enc

-	I/We hereby elect to participate in the drilling and completion of the GREEN BERET FEDERAL COM #501H
•	I/We hereby elect <u>not</u> to participate in the drilling and completion of the <b>GREEN BERET FEDERAL COM #501H</b>
	I/We hereby elect to participate in the drilling and completion of the GREEN BERET FEDERAL COM #601H
	I/We hereby elect <u>not</u> to participate in the drilling and completion of the GREEN BERET FEDERAL COM #601H
<del></del>	I/We hereby elect to participate in the drilling and completion of the GREEN BERET FEDERAL COM #602H
	I/We hereby elect <u>not</u> to participate in the drilling and completion of the GREEN BERET FEDERAL COM #602H
Ву:	
Name:	
Title:	
Date:	



March 12, 2020

Providence Energy Partners III, LP 16400 North Dallas Parkway, Ste 400 Dallas, TX 75248

Re: Well Proposal- GREEN BERET FEDERAL COM 701H, 702H and 801H

T25S R35E, E/2 Section of 20 & NE/4 of 29 480 Ac – Wolfcamp Formation Lea 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 on E/2 of Section 20 and NE/4 of Section 29, T25S-R35E, Lea County, New Mexico (collectively, the "Operation"). The surface pad locations will be located in Units A and B of Section 20, T25S-R35E (or another legal location chosen by Operator).

- **GREEN BERET FEDERAL COM #701H,** to be drilled to a depth sufficient to test the Wolfcamp Formation at an approximate total vertical depth of 12,580 feet. The surface location for this well is proposed at approximately 370 FNL, 790 FEL, or a legal location in Unit A of Section 20, and a bottom hole location at approximately 2590 FNL, 1210 FEL, or a legal location in Unit H of Section 29. The dedicated horizontal spacing unit will be the E/2 of Section 20 and NE/4 of Section 29, T25S-R35E, Lea County, New Mexico. The total estimated cost to drill and complete said well is \$8,688,065.00, as shown on the attached Authority for Expenditure ("AFE").
- GREEN BERET FEDERAL COM #702H, to be drilled to a depth sufficient to test the Wolfcamp Formation at an approximate total vertical depth of 12,580 feet. The surface location for this well is proposed at approximately 465 FNL, 2125 FEL, or a legal location in Unit B of Section 20, and a bottom hole location at approximately 2590 FNL, 2310 FEL, or a legal location in Unit G of Section 29. The dedicated horizontal spacing unit will be the E/2 of Section 20 and NE/4 of Section 29, T25S-R35E, Lea County, New Mexico. The total estimated cost to drill and complete said well is \$8,688,065.00, as shown on the attached AFE.
- GREEN BERET FEDERAL COM #801H, to be drilled to a depth sufficient to test the Wolfcamp Formation at an approximate total vertical depth of 12,863 feet. The surface location for this well is proposed at approximately 465 FNL, 2065 FEL, or a legal location in Unit B of Section 20, and a bottom hole location at approximately 2590 FNL, 1760 FEL, or a legal location in Unit G of Section 29. The dedicated horizontal spacing unit will be the E/2 of Section 20 and NE/4 of Section 29, T25S-R35E, Lea County, New Mexico. The total estimated cost to drill and complete said well is \$8,911,340.00, as shown on the attached AFE.

COG is proposing these wells under the terms of a new Operating Agreement which is included for your review and approval. It has the following general provisions:

- 100/300 Non-Consenting Penalty;
- \$7,500/\$750 Drilling and Producing Rate; and
- COG Operating LLC named as Operator.

If you do not wish to participate in the Operation, COG would like to discuss the term assignment of your interest to COG under the following indicative terms:

- \$5,000/acre bonus;
- 3 Year Primary Term; and
- Overriding Royalty Interest reserved unto assignor of the positive difference (if any) between existing burdens of record and 25%.

Please indicate your desire to term assign your Working Interest to COG by contacting me at the email or telephone number below. This invitation to discuss a term assignment remains open until thirty (30) days after your receipt of any pooling order obtained from the NMOCD.

In the interest of time, if we do not reach an agreement within 30 days of the date of this letter, COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a horizontal spacing unit for the proposed wells.

Please indicate your participation elections in the spaces 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 <a href="mailto:mtipton@concho.com">mtipton@concho.com</a>.

If you have any questions, please do not he sitate to contact me at 432-685-2588.

Sincerely,

**COG Operating LLC** 

Megan L. Tipton

Megan Tipton, RPL

Landman

CM: Enc

	I/We hereby elect to participate in the drilling and completion of the GREEN BERET FEDERAL COM #701H
	I/We hereby elect <u>not</u> to participate in the drilling and completion of the <b>GREEN BERET FEDERAL COM #701H</b>
-	I/We hereby elect to participate in the drilling and completion of the GREEN BERET FEDERAL COM #702H
÷	I/We hereby elect <u>not</u> to participate in the drilling and completion of the GREEN BERET FEDERAL COM #702H
	I/We hereby elect to participate in the drilling and completion of the GREEN BERET FEDERAL COM #801H
	I/We hereby elect <u>not</u> to participate in the drilling and completion of the <b>GREEN BERET FEDERAL COM #801H</b>
By:	
Date:	



March 12, 2020

Realeza Del Spear, L.P. PO Box 1684 Midland, TX 79702

Re: Well Proposal- GREEN BERET FEDERAL COM 501H, 601H and 602H

T25S R35E, E/2 Section 20, NE/4 Section 29 480 Ac – Bone Spring Formation Lea 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 on E/2 of Section 20 and NE/4 of Sec 29, T25S-R35E, Lea County, New Mexico (collectively, the "Operation"). The surface pad locations will be located in Units A and B of Section 20, T25S-R35E (or another legal location chosen by Operator).

- **GREEN BERET FEDERAL COM #501H,** to be drilled to a depth sufficient to test the Bone Spring formation at an approximate total vertical depth of 10,930 feet. The surface location for this well is proposed at approximately 465 FNL, 2095 FEL, or a legal location in Unit B of Section 20, and a bottom hole location at approximately 2590 FNL, 1980 FEL, or a legal location in Unit G of Section 29. The dedicated horizontal spacing unit will be the E/2 of Section 20 and NE/4 of Section 29, T25S-R35E, Lea County, New Mexico. The total estimated cost to drill and complete said well is \$7,935,387.00, as shown on the attached Authority for Expenditure ("AFE").
- GREEN BERET FEDERAL COM #601H, to be drilled to a depth sufficient to test the Bone Spring formation at an approximate total vertical depth of 12,340 feet. The surface location for this well is proposed at approximately 370 FNL, 760 FEL, or a legal location in Unit A of Section 20, and a bottom hole location at approximately 2590 FNL, 660 FEL, or a legal location in Unit H of Section 29. The dedicated horizontal spacing unit will be the E/2 of Section 20 and NE/4 of Section 29, T25S-R35E, Lea County, New Mexico. The total estimated cost to drill and complete said well is \$8,614,175.00, as shown on the attached AFE.
- GREEN BERET FEDERAL COM #602H, to be drilled to a depth sufficient to test the Bone Spring Formation at an approximate total vertical depth of 12,340 feet. The surface location for this well is proposed at approximately 465 FNL, 2035 FEL, or a legal location in Unit B of Section 20, and a bottom hole location at approximately 2590 FNL, 1640 FEL, or a legal location in Unit G of Section 29. The dedicated horizontal spacing unit will be the E/2 of Section 20 and NE/4 of Section 29, T25S-R35E, Lea County, New Mexico. The total estimated cost to drill and complete said well is \$8,614,175.00, as shown on the attached AFE.

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico
Exhibit No. A5
Submitted by: COG OPERATING LLC
Hearing Date: May 28, 2020
Case Nos. 21264-21265

COG is proposing these wells under the terms of a new Operating Agreement which is included for your review and approval. It has the following general provisions:

- 100/300 Non-Consenting Penalty;
- \$7,500/\$750 Drilling and Producing Rate; and
- COG Operating LLC named as Operator.

If you do not wish to participate in the Operation, COG would like to discuss the lease of your minerals to COG under the following indicative terms:

- \$5,000/acre bonus;
- 3 Year Primary Term; and
- 25% Royalty Interest.

Please indicate your desire to lease your Mineral Interest to COG by contacting me at the email or telephone number below. This invitation to discuss a lease remains open until thirty (30) days after your receipt of any pooling order obtained from the NMOCD.

In the interest of time, if we do not reach an agreement within 30 days of the date of this letter, COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a horizontal spacing unit for the proposed wells.

Please indicate your participation elections in the spaces 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 <a href="mailto:mtipton@concho.com">mtipton@concho.com</a>.

If you have any questions, please do not hesitate to contact me at 432-685-2588.

Sincerely,

**COG Operating LLC** 

Megan L. Tipton

Megan Tipton, RPL

Landman

CM: Enc

	I/We hereby elect to participate in the drilling and completion of the GREEN BERET FEDERAL COM #501H
	I/We hereby elect <u>not</u> to participate in the drilling and completion of the <b>GREEN BERET FEDERAL COM #501H</b>
+	I/We hereby elect to participate in the drilling and completion of the GREEN BERET FEDERAL COM #601H
	I/We hereby elect <u>not</u> to participate in the drilling and completion of the <b>GREEN BERET FEDERAL COM #601H</b>
	I/We hereby elect to participate in the drilling and completion of the GREEN BERET FEDERAL COM #602H
	I/We hereby elect <u>not</u> to participate in the drilling and completion of the <b>GREEN BERET FEDERAL COM #602H</b>
2	
By:	
Title:	
Date:	



March 12, 2020

Realeza Del Spear, L.P. PO Box 1684 Midland, TX 79702

Re: Well Proposal- GREEN BERET FEDERAL COM 701H, 702H and 801H

T25S R35E, E/2 Section of 20 & NE/4 of 29 480 Ac – Wolfcamp Formation Lea 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 on E/2 of Section 20 and NE/4 of Section 29, T25S-R35E, Lea County, New Mexico (collectively, the "Operation"). The surface pad locations will be located in Units A and B of Section 20, T25S-R35E (or another legal location chosen by Operator).

- **GREEN BERET FEDERAL COM #701H,** to be drilled to a depth sufficient to test the Wolfcamp Formation at an approximate total vertical depth of 12,580 feet. The surface location for this well is proposed at approximately 370 FNL, 790 FEL, or a legal location in Unit A of Section 20, and a bottom hole location at approximately 2590 FNL, 1210 FEL, or a legal location in Unit H of Section 29. The dedicated horizontal spacing unit will be the E/2 of Section 20 and NE/4 of Section 29, T25S-R35E, Lea County, New Mexico. The total estimated cost to drill and complete said well is \$8,688,065.00, as shown on the attached Authority for Expenditure ("AFE").
- GREEN BERET FEDERAL COM #702H, to be drilled to a depth sufficient to test the Wolfcamp Formation at an approximate total vertical depth of 12,580 feet. The surface location for this well is proposed at approximately 465 FNL, 2125 FEL, or a legal location in Unit B of Section 20, and a bottom hole location at approximately 2590 FNL, 2310 FEL, or a legal location in Unit G of Section 29. The dedicated horizontal spacing unit will be the E/2 of Section 20 and NE/4 of Section 29, T25S-R35E, Lea County, New Mexico. The total estimated cost to drill and complete said well is \$8,688,065.00, as shown on the attached AFE.
- GREEN BERET FEDERAL COM #801H, to be drilled to a depth sufficient to test the Wolfcamp Formation at an approximate total vertical depth of 12,863 feet. The surface location for this well is proposed at approximately 465 FNL, 2065 FEL, or a legal location in Unit B of Section 20, and a bottom hole location at approximately 2590 FNL, 1760 FEL, or a legal location in Unit G of Section 29. The dedicated horizontal spacing unit will be the E/2 of Section 20 and NE/4 of Section 29, T25S-R35E, Lea County, New Mexico. The total estimated cost to drill and complete said well is \$8,911,340.00, as shown on the attached AFE.

COG is proposing these wells under the terms of a new Operating Agreement which is included for your review and approval. It has the following general provisions:

- 100/300 Non-Consenting Penalty;
- \$7,500/\$750 Drilling and Producing Rate; and
- COG Operating LLC named as Operator.

If you do not wish to participate in the Operation, COG would like to discuss the lease of your minerals to COG under the following indicative terms:

- \$5,000/acre bonus;
- 3 Year Primary Term; and
- 25% Royalty Interest.

Please indicate your desire to lease your Mineral Interest to COG by contacting me at the email or telephone number below. This invitation to discuss a lease remains open until thirty (30) days after your receipt of any pooling order obtained from the NMOCD.

In the interest of time, if we do not reach an agreement within 30 days of the date of this letter, COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a horizontal spacing unit for the proposed wells.

Please indicate your participation elections in the spaces 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 <a href="mailto:mtipton@concho.com">mtipton@concho.com</a>.

If you have any questions, please do not hesitate to contact me at 432-685-2588.

Sincerely,

**COG Operating LLC** 

Megan L. Tipton

Megan Tipton, RPL

Landman

CM: Enc

	I/We hereby elect to participate in the drilling and completion of the GREEN BERET FEDERAL COM #701H
	I/We hereby elect <u>not</u> to participate in the drilling and completion of the GREEN BERET FEDERAL COM #701H
<u></u>	I/We hereby elect to participate in the drilling and completion of the GREEN BERET FEDERAL COM #702H
<del>.</del>	I/We hereby elect <u>not</u> to participate in the drilling and completion of the GREEN BERET FEDERAL COM #702H
	I/We hereby elect to participate in the drilling and completion of the GREEN BERET FEDERAL COM #801H
	I/We hereby elect <u>not</u> to participate in the drilling and completion of the <b>GREEN BERET FEDERAL COM #801H</b>
Ву:	
Name: Title:	
Date:	



March 12, 2020

Joseph Mark Gregory, successor-in-interest to Richard W. Kendall and Rosemary Geary 8905 Random Road Fort Worth, TX 76179

RE:

Nonparticipating Royalty Interest - Green Beret Units

Sec 20: E/2 - T25S-R35E Sec 29: NE/4 - T25S-R35E NMPM Lea County, New Mexico

Dear Sir or Madam:

You are receiving this letter because our review of the property records indicate that you own a nonparticipating royalty interest ("NPRI") in the captioned unit which COG Operating LLC ("COG") plans to drill later this year.

In order to properly pay your NPRI, we ask that you sign and notarize the enclosed Designation of Units, one for the Bone Spring Formation and one for the Wolfcamp Formation. Should we not receive an executed copy of each within 30 days of the date of this letter, COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well.

If you have any questions, please contact me at (432) 685-2588 or mtipton@concho.com.

Respectfully,

**COG Operating LLC** 

Megan L. Tipton

Megan Tipton, RPL

Landman



May 26, 2020

The Estate of William J. Kendall, dec. C/O Joseph Mark Gregory 8905 Random Road Fort Worth, TX 76179

Re:

Title Requirement

Sections 20 & 29, T25S-R35E

Lea County, NM

#### To Whom It May Concern:

COG Operating LLC ("COG"), as Operator, plans to develop the E/2 of Section 20 & the NE/4 of Section 29, T25S-R35E by drilling horizontal well(s). COG recently received an updated title opinion covering the E/2 of Section 20 & the NE/4 of Section 29, T25S-R35E, among other lands, and your interest is subject to title requirement(s). Due to the uncertainties involved with unsatisfied title requirements, if the title requirement(s) regarding your interest are not cured before drilling, COG may apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well at such time. Please find the title requirement(s) affecting your interest attached to this letter. Upon the completion of curing such title requirement(s), please provide any instrument or documentation to the undersigned for review.

Please contact the undersigned at (432) 685-2588 or <u>mtipton@concho.com</u> if you would like to discuss this in more detail. Your prompt attention to this matter is greatly appreciated.

Very truly yours,

**COG Operating LLC** 

Megan L. Tipton

Megan Tipton, RPL

Landman

WELL NAME:	Green Beret Fed Com #501H	PROSPECT NAME:	Bulldog 2535 (717109)	
SHL	Sec 20: 465 FNL & 2095 FEL	STATE & COUNTY:	New Mexico, Lea	
BHL:	Sec 29: 2590 FNL & 1980 FEL	OBJECTIVE:	Drill and Complete	
FORMATION:	Bone Spring	DEPTH:	18,566	
LEGAL:	Sec 20: T25S-R35E	TVD:	10,930	
Name and Address of the Owner, where the Owner, where		And the second s		

INTANGIBLE COSTS Title/Curative/Permit	201	Drig - Rig Release(D) 20,000		Completion(C)		Tank Bitty Construtn(TB)		Pmpg Equipment(PEQ)	TOTAL 20,000
Insurance	202	7,000	302		0				7,000
Damages/Right of Way	203	20,000	303		351				20,987
Survey/Stake Location	204	2,500		84,000					86,500
Location/Pits/Road Expense Drilling / Completion Overhead	205 206	180,000 8,400	305	10,000	353	22,000	366		212,000
Turnkey Contract	207	0,400	307	720,000					720,000
Footage Contract	208		308	306,000	3				306,000
Daywork Contract	209	721,000	309	139,000					860,000
Directional Drilling Services	210	299,000	310	216,000	8				515,000
Fuel & Power	211	142,000	311	31,000	354		367		173,000
Wafer	212 213	100,000 83,000	312	414,000	5		369		514,000
Bits Mud & Chemicals	214	84,000	314				370		83,000 84,000
Drill Stern Test	215	54,000	315	227,000			3/0		227,000
Coring & Analysis	216			221,000					0
Cement Surface	217	37,200			5)		8 1		37,200
Cement Intermediate	218	55,800			25		١,		55,800
Cement 2nd Intermediate/Production	219	111,600			01				111,600
Cement Squeeze & Other (Kickoff Plug)	220				91		371		0
Float Equipment & Centralizers	221	60,000	1 1		1		× .		65,000
Casing Crews & Equipment Fishing Tools & Service	223	65,000	323		E.	-	372		000,000
Geologic/Engineering	224		324		355		373		0
Contract Labor	225	6,500	325	10,000	356			42,500	179,000
Company Supervision	226	50,400	326	10,000	357				62,400
Contract Supervision	227	129,000	327	111,000	356		376		240,000
Testing Casing/Tubing	228	40,000	328		95		377		49,000
Mud Logging Unit	229	41,000	329	48,000	9		3		89,000
Logging Perforahing Mirelina Sendon	230		331	279,000	3	-	378		270.000
Perforating/Wireline Services Stimulation/Treating	231		332	279,000	2		379		279,000
Completion Unit			333				381		0
Swabbing Unit			334				382		0
Rentals-Surface	235	168,000	335		359		383		168,000
Rentals-Subsurface	236	98,000	336				384		98,000
Trucking/Forklift/Rig Mobilization	237	265,000	337	10,000	360		385		275,000
Welding Services	238	3,000	338	19.54	361		386	100000000	3,000
Water Disposal	239		339	40,000	362		367	200,000	240,000
Plug to Abandon Seismic Analysis	240		340				9		0
Miscellaneous	242		342				389		0
Contingency	243	63,000	343	100,000	363	-	390		163,000
Closed Loop & Environmental	244	308,000	344		364		388		308,000
Fuel - Diesel	245		345	242,000		<u> </u>	1		
Coll Tubing			346	254,000			392	120,000	374,000
Flowback Crews & Equip	0.40		347				391	20,000	20,000
Offset Directional/Frac TOTAL INTANGIBLES	248	3,168,400	348	3,266,000		144,987	13	382,500	6,719,687
TANGIBLE COSTS		0,100,400		1,200,000		154,001		308,000	0,715,007
Surface Casing	401	47,000							47,000
Intermediate Casing	402	128,000					3		128,000
Production Casing/Liner	403	239,000	9 8				1 3		239,000
Tubing			504	53,000			530		53,000
Wellhead Equipment	405	65,000	505	21,000			531	42,500	128,500
Pumping Unit							506		0
Prime Mover Rods			9				507		
Fumps-Sub Surface (BH)			509				508 532		0
Tanks			300		510	40,000	332		40,000
Flowines			1		511	20,000			20,000
Heater Treater/Separator					512				125,000
Electrical System					513	93,000	533		93,000
Packers/Anchors/Hangers	414		514	65,000			534		65,000
Couplings/Fittings/Valves	415		1		515				150,000
Gas Lift/Compression			3		516				0
Dehydration Injection Plant/CO2 Equipment					517 518				0
Pumps-Surface			4		521	20,000			20,000
Instrumentation/SCADA/POC					522		529		15,000
Miscellaneous	419	10,000	519	*	523				25,000
Contingency	420		520		524		536		0
Meters/LACT		4	1 1		525				19,000
Flares/Combusters/Emission					526	23,000			23,000
Gas Lift/Compression			527	25,000					25,000
TOTAL TANGIBLES TOTAL WELL COSTS		489,000 3,657,400		164,000 3,430,000		520,000 664,987		42,500 425,000	7,935,387
% of Total Well Cost		48%		43%		6%		5%	7,000,001
		Date Prepared		2/18/20					
		COG Operating LLC							
We approve:% Working Interest		By: DWD					_		
Company: By.								BEFORE THE	OIL CONSER

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.  $\label{eq:costs} % \begin{center} \begi$ 

Printed Name: Title: Date: BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico
Exhibit No. A8

Submitted by: **COG OPERATING LLC** Hearing Date: May 28, 2020

Case Nos. 21264-21265

WELL NAME:	Green Beret Fed Com #601H	PROSPECT NAME:	Drill and Complete	
SHL:	Sec 20: 370 FNL & 760 FEL	STATE & COUNTY:	New Mexico, Lea	
BHL:	Sec 29: 2590 FNL & 660 FEL	OBJECTIVE:	Drill and Complete	
FORMATION:	Bone Spring	DEPTH:	19,949	
LEGAL:	Sec 20: T25S- R35E	TVD:	12,341	

INTANGIBLE COSTS	224	Drig - Rig Release(D)		Completion(C)		Tank Btty Constrctn(TB)		Pmpg Equipment(PEQ)	TOTA
Title/Curative/Permit	201	20,000 7,500	302						20
Damages/Right of Way	203	20,000			351	987			20
Survey/Stake Location	204	2,000		84,000	352				86
ocation/Pits/Road Expense	205	180,000	305	10,000	353	22,000	366		212
rilling / Completion Overhead	206	9,300	306	15,000					24
urnkey Contract	207		307	720,000					720
polage Contract	208		308	306,000					306
aywork Contract	209	785,000	309	139,000					924
irectional Drilling Services	210	356,000	310	216,000					572
uel & Power	211	157,000	311	31,000	354		367		188
/eler	212	55,000	312	414,000			368		469
ts	213	108,000	313				369		108
ud & Chemicals	214	244,900	314				370		244
rill Stern Test	215		315	258,000					258
oring & Analysis	216								
ement Surface	217	24,200							24
ement Intermediate	218	72,600							72
ement 2nd Intermediate/Production	219	60,500							60
ement Squeeze & Other (Kickoff Plug)	220	2000000					371		
pat Equipment & Centralizers	221	50,000							50
sing Crews & Equipment	222	70,000							70
shing Tools & Service	223		323				372		
eologic/Engineering	224		324		355		373		
intract Labor	225	6,500	325	10,000	356	120,000	374	42,500	179
ompany Supervision	226	58,000	326	10,000	357	2,000	375	Astona	68
entract Supervision	227	140,000	327	111,000	358	4,400	376		251
sting Casing/Tubing	228	50,000	328	,000	550		377		50
ud Logging Unit	229	49,000	329	65,000					114
oping	230	10,000	520	00,000			378		114
orforating/Wirefine Services	231	10,000	331	279,000			379		289
mulation/Treating	201	10,000	332	2/9,000					289
empletion Unit			333				380 381		
vabbing Unit	- 1		333			-	381		-
	225	205 665			250				
entals-Surface	235	226,688	335		359		383		226
entals-Subsurface	236	155,000	336				384		155
ucking/Forkiff/Rig Mobilization	237	265,000	337	10,000	360		385		275
elding Services	238	6,000	338		361		386		6
ater Disposal	239		339	40,000	362		387	200,000	240
g to Abandon	240		340						
ismic Analysis	241		341						
scelaneous	242		342				369		
ontingency	243	76,000	343	100,000	363		390		176
oned Loop & Environmental	244	310,000	344		364		388		310
el - Diesel	245		345	252,000					
ol Tubing			346	254,000			392	120,000	374
owback Crews & Equip			347				391	20,000	20
fset Directional/Frac	248		348						
TOTAL INTANGIBLES		3,572,188		3,324,000		144,987		382,500	7,171
ANGIBLE COSTS									
rface Casing	401	49,000							49
ermediate Casing	402	244,000							244
eduction Casing/Liner	403	337,000							337
bing			504	52,000			530		52
elihead Equipment	405	75,000	505	22,000			531	42,500	139
mping Unit							506		
me Mover							507		
ds			ı				508		
mps-Sub Surface (BH)			509				532		
iks					510	40,000			40
	- 5				511	20,000			20
					can '				
wlines	-					125,000			93
wlines ater Treater/Separator	-				513	125,000	532		93
wlines ater Treater/Separator ctrical System	414		514	000.000	513	93,000	533		00
wlines ater Treater/Separator ctrical System ckers/Anchors/Hangers	414		514	66,000	513	93,000	533 534		
wlines ater Treater/Separator ctrical System ckers/Anchors/Hangers uplings/Fittings/Valves	414 415		514	66,000	513 515	93,000			
wlines aler Treater/Separator ctrical System ckers/Anchers/Hangers upplings/Fittings/Valves s Lift/Compression			514	66,000	513 515 516	93,000			
wlines aler Treater/Separator cifical System ckers/Anchors/Hangers pplings/Titings/Valves s tiff/Compression yydration			514	66,000	513 515 516 517	93,000			
wlines ater Treater/Separator ctrical System ckerst/Anchorst/Hangers uplings/Fittingst/Valves b Ltft/Compression hydration ction Plant/CO2 Equipment			514	66,000	513 515 516 517 518	93,000			150
wkines after Treater/Separator cticinal System ckerra/Ancherra/Hangers uplings/Fittings/Valves s Lift/Compression hydration section Plant/CO2 Equipment mps-Surface			514	66,000	513 515 516 517 518 521	93,000 150,000 20,000	534		150
wlines afer Treater/Separator citical System ckers/Anchors/Hangers uplings/Titings/Valves s Litt/Compression hydration scion Plant/CO2 Equipment mps-Surface trumentation/SCADAPOC	415			66,000	513 515 516 517 518 521 522	93,000 150,000 20,000 15,000	534 529		20,
wlines ater Treater/Separator ctical System ckers/Anchors/Hangers uplings/Titings/Valves suplings/Titings/Valves suplings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titings/Titi	415	10,000	519	68,000	513 515 516 517 518 521 522 523	93,000 150,000 20,000 15,000 15,000	534 529 535		20 15
wifines after Treater/Separator ctrical System ckers/Anchers/Hangers uplings/Fittings/Valves s Lift/Compression nydration ction Plant/CO2 Equipment nps-Surface rumentation/SCADA/POC cellaneous integency	415	10,000		66,000	513 515 516 517 518 521 522 523 524	20,000 15,000 20,000 15,000 15,000	534 529		20 15 25
wilnes  aler Treater/Separator  ctrical System  ckers/Anchors/Hangers  upings/Tittings/Valves  stiff/Compression  nydration  ction Plant/CO2 Equipment  mpe-Surface  rumentation/SCADA/POC  cellaneous  ntingeney  end/ACT	415	10,000	519		513 515 516 517 518 521 522 523 524 525	93,000 150,000 20,000 15,000 15,000	534 529 535		20 15 25
wlines  aler Treater/Separator  clical System  clear/Anchoru/Hangers  uplings/Tittings/Valves  a tift/Compression  nydration  cition Plant/CO2 Equipment  nps-Surface  rumentation/SCADA/POC  cellaneous  attengency  tens/LACT  est/Combusters/Emission	415	10,000	519 520		513 515 516 517 518 521 522 523 524	20,000 15,000 20,000 15,000 15,000	534 529 535		20, 15, 25, 19, 23,
wilnes ster Treater/Separator ctrical System kers/Anchors/Hangers pipliga/Fittings/Valves Lift/Compression ydration ction Plant/CO2 Equipment npe-Surface cursenatator/SCADA/POC cellaneous ttingency ent/LACT ess/Compression	415		519	25,000	513 515 516 517 518 521 522 523 524 525	93,000 150,000 20,000 15,000 15,000 23,000	534 529 535		20 15 25 19 23 25
wines  ter Treater/Separator  tifical System  kers/Anchors/Hangers  pings/Fritings/Valves  strift/Compression  ydiration  ction Plant/CO2 Equipment  ngs-Surface  rumentation/SCADA/POC  cellaneous  tingency  ers/LACT  es/Compression  tift/Compression  tift/Compression  tift/Compression  tift/Compression	415	715,000	519 520	25,000 165,000	513 515 516 517 518 521 522 523 524 525	93,000 150,000 20,000 15,000 15,000 19,000 23,000	534 529 535	42,500	20 15 25 19 23 25 1,442
wines  ter Treater/Separator  trical System  kers/Anchors/Hangers  pings/Fittings/Valves  Lift/Compression  ydration  ction Plant/CO2 Equipment  nps-Surface  rumentation/SCADA/POC  collaneous  tingency  ent/.ACT  esc/Combusters/Emission  Lift/Compression	415		519 520	25,000	513 515 516 517 518 521 522 523 524 525	93,000 150,000 20,000 15,000 15,000 23,000	534 529 535	42,500 425,000	20 15 25 19 23 25 1,442
wines  ider Treater/Separator  tifcel System  kers/Anchors/Hangers  pings/Fittings/Valves  Lift/Compression  rotion Plant/CO2 Equipment  pps-Surface  rumentation/SCADA/POC  cellaneous  tingency  ers/LACT  es/Compusters/Emission  Lift/Compression  tot/CAL TANGIBLES  TOTAL WELL COSTS	415	715,000 4,287,188	519 520	25,000 165,000 3,489,000	513 515 516 517 518 521 522 523 524 525	93,000 150,000 20,000 15,000 15,000 23,000 520,000 684,987	534 529 535	425,000	20 15 25 19 23 25 1,442
wines ater Treater/Separator ctrical System ckers/Anchors/Hangers pplings/Tittings/Valves b tit/Compression yydration ction Plant/CO2 Equipment mps-Surface rumentation/SCADA/POC celleneous ntingency ent/ACT es/Combusters/Emission turcompression TOTAL TANGIBLES TOTAL WELL COSTS % of Total Well Cost	415	715,000	519 520	25,000 165,000	513 515 516 517 518 521 522 523 524 525	93,000 150,000 20,000 15,000 15,000 19,000 23,000 520,000	534 529 535		20 15 25 19 23 25 1,442
wines ater Treater/Separator ctrical System ckers/Anchors/Hangers pplings/Tittings/Valves b tit/Compression yydration ction Plant/CO2 Equipment mps-Surface rumentation/SCADA/POC celleneous ntingency ent/ACT es/Combusters/Emission turcompression TOTAL TANGIBLES TOTAL WELL COSTS % of Total Well Cost	415	715,000 4,287,188	519 520	25,000 165,000 3,489,000	513 515 516 517 518 521 522 523 524 525	93,000 150,000 20,000 15,000 15,000 23,000 520,000 684,987	534 529 535	425,000	20 15 25 19 23 25 1,442
wilnes aler Treater/Separator cifical System ckers/Anchors/Hangers upings/Titings/Valves s tiff/Compression nydration cition Plant/CO2 Equipment mps-Surface rumentation/SCADA/POC celleneous ntingency tens/LACT res/Combusters/Emission s tiff/Compression TOTAL TANGIBLES TOTAL WELL COSTS % of Total Well Cost	415	715,000 4,287,188	519 520	25,000 165,000 3,489,000	513 515 516 517 518 521 522 523 524 525	93,000 150,000 20,000 15,000 15,000 23,000 520,000 684,987	534 529 535	425,000	20 15 25 19 23 25 1,442
wilnes aler Treater/Separator citical System ckern/Anchorn/Hangers uplings/Titings/Valves e tift/Compression hydration ceton Plant/CO2 Equipment mps-Surface trumentation/SCADA/POC celleneous nitegency tera/LACT res/Combusters/Emission s tift/Compression TOTAL TANGIBLES TOTAL WELL COSTS  % of Total Well Cost	419 420	715,000 4,287,188 50% Date Prepared:	519 520	25,000 165,000 3,469,000 41%	513 515 516 517 518 521 522 523 524 525	93,000 150,000 20,000 15,000 15,000 23,000 520,000 684,987	534 529 535	425,000	20 15 25 19 23 25 1,442
wilnes aler Treater/Separator citrical System ckers/Anchors/Hangers upings/Fittings/Valves s Lift/Compression nydration cition Plant/CO2 Equipment mps-Surface rumentation/SCADA/POC celleneous nitingency test/Compression toTAL TANGIBLES TOTAL WELL COSTS  % of Total Well Cost G Operating LLC	419 420	715,000 4,287,188 50%	519 520	25,000 165,000 3,469,000 41%	513 515 516 517 518 521 522 523 524 525	93,000 150,000 20,000 15,000 15,000 23,000 520,000 684,987	534 529 535	425,000	20 15 25 19 23 25 1,442
wifines afer Treater/Separator citrical System ckers/Anchors/Hangers uplings/Fittings/Valves suff/Compression hydration cition Plant/CO2 Equipment mps-Surface trumentation/SCADA/POC collineous ntingency ters/ACT res/Combusters/Emission suff/Compression TOTAL TANGIBLES TOTAL WELL COSTS  # of Total Well Cost spprove:	419 420	715,000 4,267,188 50% Date Prepared:	519 520	25,000 165,000 3,469,000 41%	513 515 516 517 518 521 522 523 524 525	93,000 150,000 20,000 15,000 15,000 23,000 520,000 684,987	534 529 535	425,000	20, 15, 25, 19, 23, 25, 1,442, 8,614,
wilnes aler Treater/Separator citrical System ckers/Anchors/Hangers upings/Fittings/Valves s Lift/Compression nydration cition Plant/CO2 Equipment mps-Surface rumentation/SCADA/POC celleneous nitingency test/Compression toTAL TANGIBLES TOTAL WELL COSTS  % of Total Well Cost G Operating LLC	419 420	715,000 4,287,188 50% Date Prepared:	519 520	25,000 165,000 3,469,000 41%	513 515 516 517 518 521 522 523 524 525	93,000 150,000 20,000 15,000 15,000 23,000 520,000 684,987	534 529 535	425,000	20 15 25 19 23 25 1,442
wifines after Treater/Separator citrical System ckers/Anchors/Hangers uplings/Fittings/Valves s Lift/Compression hydration section Plant/CO2 Equipment mps-Surface rumentation/SCADA/POC coellaneous ntingency ters/LACT ress/Combusters/Emission s Lift/Compression TOTAL TANGIBLES TOTAL WELL COSTS  # of Total Well Cost approve: # Working Interest	419 420	715,000 4,267,188 50% Date Prepared:	519 520	25,000 165,000 3,469,000 41%	513 515 516 517 518 521 522 523 524 525	93,000 150,000 20,000 15,000 15,000 23,000 520,000 684,987	534 529 535	425,000	20 15 25 19 23 25 1,442
wines  ter Treater/Separator  tirtical System  kers/Anchors/Hangers  pings/Fittings/Valves  Lift/Compression  ydration  cition Plant/CO2 Equipment  nps-Surface  rumentation/SCADA/POC  cellaneous  stingency  en/LACT  ess/Combusters/Emission  Lift/Compression  OTAL TANGIBLES  TOTAL WELL COSTS   # of Total Well Cost  approve:	419 420	715,000 4,267,188 50% Date Prepared:	519 520	25,000 165,000 3,469,000 41%	513 515 516 517 518 521 522 523 524 525	93,000 150,000 20,000 15,000 15,000 23,000 520,000 684,987	534 529 535	425,000	20 15 25 19 23 25 1,442
wines  ter Treater/Separator  tifcel System  kers/Anchors/Hangers  plings/Fittings/Valves  Litt/Compression  ydration  titin Plant/CO2 Equipment  ppe-Surface  currientation/SCADA/POC  cellaneous  etlaneous  etlaneous  total ACT  ess/Combusters/Emission  Litt/Compression  OTAL TANGIBLES  TOTAL WELL COSTS   % of Total Well Cost  approve:  _ % Working Interest  upany.	419 420	715,000 4,267,188 50% Date Prepared:	519 520	25,000 165,000 3,469,000 41%	513 515 516 517 518 521 522 523 524 525	93,000 150,000 20,000 15,000 15,000 23,000 520,000 684,987	534 529 535	425,000	20 15 25 19 23 25 1,442
owlines aller Treateir/Separator colorical System cokers/Anchors/Hangers uplings/Fittings/Valves suff/Compression hydration setion Plant/CO2 Equipment mps-Surface furmentation/SCADA/POC scellaneous ntengency ters/ACT res/Combusters/Emission suff/Compression TOTAL TANGIBLES TOTAL WELL COSTS  # of Total Well Cost species approve:	415	715,000 4,287,188 50% Date Prepared: COG Operating LLC	519 520 527 527 527 527 527 527 527 527 527 527	25,000 165,000 3,469,000 41%	513 515 516 517 518 521 522 523 524 525 526	93,000 150,000 20,000 15,000 15,000 23,000 520,000 664,987 8%	534 529 535	425,000	15 2 1 2 1 2 2 1,44

Green Beret Fed Com #602H	PROSPECT NAME:	Bulldog 2535 (717109)	
Sec 20: 465 FNL & 2035 FEL	STATE & COUNTY:	New Mexico, Lea	
Sec 29: 2590 FNL & 1640 FEL	OBJECTIVE:	Drill and Complete	
Bone Spring	DEPTH:	19,978	
Sec 20: T25S-R35E	TVD:	12,340	
	Sec 20: 465 FNL & 2035 FEL Sec 29: 2590 FNL & 1640 FEL Bone Spring	Sec 20: 465 FNL & 2035 FEL         STATE & COUNTY:           Sec 29: 2590 FNL & 1640 FEL         OBJECTIVE:           Bone Spring         DEPTH:	Sec 20: 465 FNL & 2035 FEL         STATE & COUNTY:         New Mexico, Lea           Sec 29: 2590 FNL & 1640 FEL         OBJECTIVE:         Drill and Complete           Bone Spring         DEPTH:         19,978

INTANGIBLE COSTS Title/Curative/Permit	201	Drig - Rig Release(D) 20,000		Completion(C)		Tank Btty Constrctn(TB)		Pmpg Equipment(PEQ)	TOTA
nsurance	202	7,500							. 7
Damages/Right of Way	203	20,000	303		351	987			20
urvey/Stake Location	204	2,000		84,000	352				86
ocation/Pits/Road Expense	205	180,000	305	10,000	353	22,000	366		212
riling / Completion Overhead	208	9,300	306						24
urnkey Contract	207		307	720,000					720
ootage Contract	208		308	306,000					300
Daywork Contract	209	785,000	309	139,000		-			92
Directional Drilling Services	210	356,000	310	216,000					573
uel & Power	211	157,000	311	31,000	354		367		188
Vater	212	55,000	312	414,000			368		469
Bits	213	108,000					369		108
Mud & Chemicals	214	244,900					370		24
Orill Stem Test	215	211,000	315	258,000		-	0.0		251
Coring & Analysis	216		9	200,000					201
Cement Surface	217	24,200							24
	218	72,600							
Cement Intermediate									72
ement 2nd Intermediate/Production	219	60,500					:		66
Cement Squeeze & Other (Kickoff Plug)	220						371		
lost Equipment & Centralizers	221	50,000							50
asing Crews & Equipment	222	70,000							70
ishing Tools & Service	223		323				372		
Seologic/Engineering	224		324		355		373		
ontract Labor	225	6,500	325	10,000	356	120,000	374	42,500	179
ompany Supervision	226	56,000	326	10,000	357	2,000	375		- 60
ontract Supervision	227	140,000	327	111,000	358		376		25
esting Casing/Tubing	228	50,000	328		-		377		50
lud Logging Unit	229	49,000	329	65,000					114
ogging	230	75,500	1,240	05,000			378		
Perforating/Wireline Services	231	10,000	331	279,000			379		289
	231	10,000		279,000					285
Simulation/Treating			332				380		-
ompletion Unit			333				381		
wabbing Unit			334				382		
entals-Surface	235	226,688	335		359		383		226
entals-Subsurface	236	155,000	336				384		155
rucking/Forkitt/Rig Mobilization	237	265,000	337	10,000	360		385		275
Velding Services	238	6,000	338		361		386		6
Vater Disposal	239		339	40,000	362		387	200,000	240
lug lo Abandon	240		340						_
eismic Analysis	241		341						
liscellaneous	242		342				389		
contingency	243	76,000	343	100,000	363		390		176
	244	310,000	344	100,000	364		388		
closed Loop & Environmental		310,000		050 000	304		300		310
uel - Diesel	245		345	252,000					
oil Tubing	- 2		346	254,000			392	120,000	374
lowback Crews & Equip			347				391	20,000	20
Offset Directional/Frac	248		348						
TOTAL INTANGIBLES	- 2	3,572,188		3,324,000		144,987		382,500	7,171
ANGIBLE COSTS									
turface Casing	401	49,000							49
termediate Casing	402	244,000							244
reduction Casing/Liner	403	337,000							337
	400	337,000	E0.4	ED 000			FOO		
ubing			504	52,000			530	The same	52
Velhead Equipment	405	75,000	505	22,000			531	42,500	139
umping Unit							506		
rime Mover							507		
ods							508		
umps-Sub Surface (BH)	1		509				532		
nnks	- 5	4			510	40,000			40
owines	-				511	20,000			20
eater Treater/Separator	-				512	125,000			125
lectrical System					513		533		93
ackers/Anchors/Hangers	414		514	66,000		50,000	534		66
ouplings/Fittings/Vsives	415		٥.٦	100,000	515	150,000	504		150
as Lift/Compression	410					100,000			100
	9				516				
enydration					517				-
jection Plant/CO2 Equipment					518				
umps-Surface	- 1				521	20,000			20
strumentation/SCADA/POC					522		529		15
iscellaneous	419	10,000	519		523	15,000	535		28
ontingency	420		520		524		536		
eters/LACT	3			4	525	19,000			19
ares/Combusters/Emission	1				526	23,000			23
as LiftCompression			527	25,000		20,000			25
TOTAL TANGIBLES	-	715,000		165,000		520,000		42,500	1,442
TOTAL WELL COSTS	- 7	4,287,188		3,489,000					
TO IAL VILLE GOODS	-	4,207,188		3,408,000		664,987		425,000	8,614
% of Total Well Cost		50%		41%		8%		5%	
OG Operating LLC									
	1	Date Prepared		2/18/20					
	_	3W-1 Ull 1111-2							
e approve:		COG Operating LLC							
% Working Interest	E	ay: DWD						9	
ompany.									
nted Name:									
e:				By signing you agree to pa	ву уои	r share			
ite:	//0	of the actual costs incurre	ersa.						

WELL NAME:	Green Beret Fed Com #701H	PROSPECT NAME:	Bulldog 2535 (717109)	
SHL:	Sec 20: 370 FNL & 790 FEL	STATE & COUNTY:	New Mexico, Lea	
BHL:	Sec 29: 2590 FNL & 1210 FEL	OBJECTIVE:	Drill and Complete	
ORMATION:	Wolfcamp	DEPTH:	20,217	
EGAL:	Sec 20: T25S-R35E	TVD:	12,580	

		Vzn- en				:52: * 105:29 W			
INTANGIBLE COSTS	001	Drig - Rig Release(D)		Completion(C)		Tank Bity Constrctn(TB)		Pmpg Equipment(PEQ)	TOTAL
Title/Curative/Permit	201	20,000 7,500							20,000 7,500
Insurance  Oamages/Right of Way	202	20,000			351	987			20,987
Survey/Stake Location	204	2,000		84,000	352				86,000
Location/Pits/Road Expense	205	180,000	305		353	22,000	366		212,000
Drilling / Completion Overhead	206	9,600	306						24,600
Turnkey Contract	207		307	720,000					720,000
Footage Contract	208		308	- Incommendant					306,000
Daywork Contract	209	807,000							946,000
Directional Drilling Services	210	365,000			ii.				581,000
Fuel & Power	211	162,000	311	31,000	354		367		193,000
Water Bits	212 213	55,000 118,000	312				368	$\overline{}$	469,000
Mud & Chemicals	214	252,800					370		252,800
Drill Stem Test	215	202,000	315	258,000			370		258,000
Coring & Analysis	216			200,000					250,000
Cement Surface	217	24,200							24,200
Cement Intermediate	218	72,600							72,600
Cement 2nd Intermediate/Production	219	60,500							60,500
Cement Squeeze & Other (Rickoff Plug)	220						371		0
Float Equipment & Centralizers	221	50,000							50,000
Casing Crews & Equipment	222	70,000							70,000
Fishing Tools & Service	223		323				372		
Geologic/Engineering	224		324		355		373		0
Contract Labor	225	6,500	325	10,000	356	120,000	374	42,500	179,000
Company Supervision	226	57,600	326		357	2,000	375		69,600
Contract Supervision Testing Casing Cathing	227	144,000	327	111,000	358		376 377		255,000
Testing Casing/Tubing Mud Longing Light	228 229	40,000 50,000	328 329				3//		40,000
Mud Logging Unit	230	50,000	3∠9	000,000			378		115,000
Logging Perforating/Wireline Services	231	10,000	331	279,000			379		289,000
Stimulation/Treating	201	10,000	332	218,000			380		289,000
Completion Unit	9		333				381		0
Swabbing Unit			334				382		0
Rentals-Surface	235	233,778	335		359		383		233,778
Rentals-Subsurface	236	160,000	336				384		160,000
Trucking/Forkitt/Ftig Mobilization	237	265,000	337	10,000	360		385		275,000
Welding Services	238	6,000	338		301		386		6,000
Water Disposal	239		339	40,000	362		387	200,000	240,000
Plug to Abandon	240		340						0
Seismic Analysis	241		341				200		0
Miscellaneous	242	77.000	342	100 000	000		389		0
Contingency Closed Loop & Environmental	243	77,000 320,000	343	100,000	363 364		390 388		177,000
Fuel - Diesel	245	320,000	345	252,000	304		300		329,000
Coll Tubing	243		346	254,000			392	120,000	374,000
Flowback Crews & Equip			347	254,000			391	20,000	20,000
Offset Directional/Frac	248		348					20,000	0
TOTAL INTANGIBLES		3,646,078		3,324,000		144,987		382,500	7,245,565
TANGIBLE COSTS									
Surface Casing	401	49,000							49,000
Intermediate Casing	402	244,000							244,000
Production Casing/Liner	403	337,000							337,000
Tubing			504	52,000			530		52,000
Wellhead Equipment Pumping Unit	405	75,000	505	22,000			531 500	42,500	139,500
Prime Mover						-	507		0
Rods							508		0
Pumps-Sub Surface (BH)			509				532		0
Tanks					510	40,000			40,000
Flowlines					511	20,000			20,000
Heater Treater/Separator					512	125,000			125,000
Electrical System					513		533		93,000
Packers/Anchors/Hangers	414		514	66,000			534		66,000
Couplings/Fittings/Valves	415				515	150,000			150,000
Gas Lift/Compression					516				0
Dehydration					517				0
injection Plant/CO2 Equipment					518				0 0000
Pumps-Surface					521	20,000	500		20,000
Instrumentation/SCADA/POC	440	10.000	E40		522		529		15,000
Miscellaneous Contingency	419 420	10,000	519 520		523 524	15,000	535 536		25,000
Meters/LACT	420		320		525	19,000	330		19,000
Flares/Combusters/Emission					526	23,000			23,000
Ges Lift/Compression			527	25,000		20,000			25,000
TOTAL TANGIBLES		715,000	-	165,000		520,000		42,500	1,442,500
TOTAL WELL COSTS		4,361,078		3,469,000		664,987		425,000	8,688,065
% of Total Well Cost		50%		40%		8%		5%	
COG Operating LLC									
		Date Prepared		2/18/20					
		Jacobson Company		31.055%					
		COG Operating LLC							
We approve:		0.000							
% Working Interest		By DWD	_				_		
Company									
By:									
Printed Name:		This AFE : :		Description					
Title: Date:		This AFE is only an estin of the actual costs incur		By signing you agree to pa	ay you	ır snare			
		AT ANY MANUAL POPUL MICON							

WELL NAME:	Green Beret Fed Com #702H	PROSPECT NAME:	Bulldog 2535 (717109)	
SHL:	Sec 20: 465 FNL & 2125 FEL	STATE & COUNTY:	New Mexico, Lea	
BHL:	Sec 29: 2590 FNL & 2310 FEL	OBJECTIVE:	Drill and Complete	
FORMATION:	Wolfcamp	DEPTH:	20,207	
LEGAL:	Sec 20: T25S-R35E	TVD:	12,580	

INTANGIBLE COSTS Title/Curative/Permit	201	Drig - Rig Release(D)		Completion(C)		Tank Btty Constrctn(TB)		Pmpg Equipment(PEQ)	<u>T01</u>
nue/Curative/Permit	201	20,000							-
Damages/Right of Way	203	20,000			351	987			
Survey/Stake Location	204	2,000		84,000	352				
.ocation/Pris/Road Expense	205	180,000	305		353	22,000	366		- 2
Orilling / Completion Overhead	206	9,600							
Furnkey Contract	207		307						7
Footage Contract	208		308						3
Daywork Contract	209	807,000							9
Directional Drilling Services	210	365,000							5
Fuel & Power	211	162,000	311	31,000	354		367		1
Valer	212	55,000			334		368		
Bits	213								4
Aud & Chemicals	214	118,000 252,800					369		1
Orill Stem Test		252,800					370		2
	215		315	258,000					2
Coring & Analysis	216								
Cement Surface	217	24,200							
Cement Intermediate	218	72,600							
Cement 2nd Intermediate/Production	219	60,500							- 3
Cement Squeeze & Other (Kickoff Plug)	220						371		-
loat Equipment & Centralizers	221	50,000							
Casing Crews & Equipment	222	70,000							. 7
Fishing Tools & Service	223		323				372	s	
Seologic/Engineering	224		324		355		373		
Contract Labor	225	6,500	325	10,000	356	120,000	374	42,500	17
Company Supervision	226	57,800	326	10,000	357	2,000	375		
Contract Supervision	227	144,000	327	111,000	358		376		25
esting Casing/Tubing	228	40,000	328				377		
Aud Logging Unit	229	50,000	329	65,000	1		""		11
ogging	230						378		-
Perforating/Wireline Services	231	10,000	331	279,000	1		379		28
Stimulation/Treating		,500	332	2.4,000	1		380		
Completion Unit			333				381		-
Swabbing Unit			334				382	- 7	
Rentals-Surface	235	233,778	335		359				
Rentals-Subsurface	236	180,000	336		333		383		23
rucking/FarkidVRig Mobilization	237		337	10.000			384		16
		265,000		10,000	360		385		27
Velding Services	238	6,000	338		361		386		120
Vater Disposal	239		339	40,000	362		387	200,000	24
lug to Abandon	240		340						
Seismic Analysis	241		341						
Ascelaneous	242		342				389		
Contingency	243	77,000	343	100,000	363		390		17
Closed Loop & Environmental	244	320,000	344		364		388		32
uel - Diesel	245		345	252,000					
oil Tubing			346	254,000			392	120,000	37
lowback Crews & Equip			347				391	20,000	- 2
Offset Directional/Frac	248		348						
TOTAL INTANGIBLES		3,646,078		3,324,000		144,987		382,500	7,24
ANGIBLE COSTS									
Surface Casing	401	49,000							. 4
stermediate Casing	402	244,000							24
roduction Casing/Liner	403	337,000							33
ubing			504	52,000			530		5
Vellhead Equipment	405	75,000	505	22,000	- 1		531	42,500	13
umping Unit		10,000	000	22,000			506	42,300	- 13
rime Mover									
ods							507		
umps-Sub Surface (BH)			500		- 1		508		
		$\overline{}$	509		540		532	-	_
anks					510	40,000			4
7 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2					511	20,000			2
eater Treater/Separator					512	125,000			12
lectrical System					513	93,000	533		9
ackers/Anchors/Hangers	414		514	66,000	_		534		6
oupings/Fittings/Valves	415				515	150,000			15
as Lift/Compression					518				
					517				
					518				
jection PlanVCO2 Equipment					521	20,000			2
jection PlanVCO2 Equipment umps-Surface					522	15,000	529		1
jection Plant/CO2 Equipment umps-Surface strumentation/SCADA/POC					523	15,000	535		2
jection Plant/CO2 Equipment umps-Surface strumentation/SCADA/POC	419	10,000	519						
iection Plant/CO2 Equipment imps-Surface strumentation/SCADA/POC iscellaneous	419 420		519 520		524		536		
ehydration jection Plant/CO2 Equipment umps-Surface strumentation/SCADA/POC iscellancous onitingency, orterpa.					524	19.000	536		1
jection PlantCO2 Equipment umps-Surface strumentation/SCADA/POC sic-ellancous ontingency elers(ACT					525	19,000	536		1 2
iection Plant/CO2 Equipment imps-Surface strumentation/SCADA/POC iscellaneous ontingency energia. ACT ares/Combusters/Emission			520			19,000 23,000	536		2
iection Plant/CO2 Equipment imps-Surface strumentation/SCADA/POC scellaneous ontingency reters/A ACT rese/Combusters/Emission ss Lift/Compression				25,000	525	23,000	536	10 500	2
ection Plant/CO2 Equipment imps-Surface strumentation/SCADA/POC scellaneous postingency riters/ACT ress/Combustens/Emission sc/I//Compression TOTAL TANGIBLES		715,000	520	25,000 165,000	525	23,000 520,000	536	42,500	2 2 1,44
ection PlantCO2 Equipment imps-Surface striumentation/SCADA/POC scellaneous ontingency reters/ACT reters/Combusters/Emission ss Lift/Compression			520	25,000	525	23,000	536	42,500 425,000	2 2 1,44
iection Plant/CO2 Equipment imps-Surface strumentation/SCADA/POC iscellaneous ontingency elers/LACT ares/Combusters/Emission so Lift/Compression TOTAL TANGIBLES TOTAL WELL COSTS % of Total Well Cost		715,000	520	25,000 165,000	525	23,000 520,000	536		2 2 1,44
iection Plant/CO2 Equipment imps-Surface strumentation/SCADA/POC sicellaneous notingancy elers/LACT ares/Combusters/Emission st. Lit/Compression TOTAL TANGIBLES TOTAL WELL COSTS % of Total Well Cost		715,000 4,381,078	520	25,000 165,000 3,489,000	525	23,000 520,000 664,987	536	425,000	2 2 1,44
jection Plant/CO2 Equipment umps-Surface strumentation/SCADA/POC iscellaneous ontingency eters/ACT ares/Combusters/Emission as Lift/Compression TOTAL TANGIBLES TOTAL WELL COSTS % of Total Well Cost		715,000 4,381,078 50% Date Prepared:	520	25,000 165,000 3,489,000 40%	525	23,000 520,000 664,987	536	425,000	2 2 1,44
jection Plant/CO2 Equipment umps-Surface strumentation/SCADA/POC liscellaneous ontingency etters/LACT ares/Combusters/Emission as Lift/Compression TOTAL TANGIBLES TOTAL WELL COSTS		715,000 4,381,078 50%  Date Prepared: COG Operating LLC	520	25,000 165,000 3,489,000 40%	525	23,000 520,000 664,987	536	425,000	1: 2: 2: 1,44: 8,68:
iection Plant/CO2 Equipment imps-Surface strumentation/SCADA/POC sicellaneous notingancy elers/I.ACT ares/Combusters/Emission ss.Lit/Compression TOTAL TANGIBLES TOTAL WELL COSTS  % of Total Well Cost a approve:		715,000 4,381,078 50% Date Prepared:	520	25,000 165,000 3,489,000 40%	525	23,000 520,000 664,987	536	425,000	2 2 1,44
ection Plant/CO2 Equipment imps-Surface trumentation/SCADA/POC accellancous internal, ACT internal, ACT internal, ACT TOTAL TANGIBLES TOTAL TANGIBLES TOTAL WELL COSTS  % of Total Well Cost approve:		715,000 4,381,078 50%  Date Prepared: COG Operating LLC	520	25,000 165,000 3,489,000 40%	525	23,000 520,000 664,987	536	425,000	2 2 1,44
iection Plant/CO2 Equipment imps-Surface strumentation/SCADA/POC sicellaneous notingency elera/LACT area/Combusters/Emission so Lift/Compression TOTAL TANGIBLES TOTAL WELL COSTS  % of Total Well Cost of Operating LLC		715,000 4,381,078 50%  Date Prepared: COG Operating LLC	520	25,000 165,000 3,489,000 40%	525	23,000 520,000 664,987	536	425,000	2 2 1,44

#### **Chronology of Contact:**

3/12/2020 – Well proposals, AFEs and the Operator's proposed form of JOA were sent to all uncommitted working interest owners, title requirement letters and title requirements were sent to parties with unmarketable title, and letters were sent to NPRI owners for which there is not pooling authority asking them to voluntarily commit their interest to the units by signing Operator's Designations of Unit.

4/6/2020, 5/20/2020 – Email correspondence with Tap Rock Resources, LLC wherein I provided an anticipated timeline, confirmed their interest in the unit and asked them to send any proposed JOA changes.

3/17/2020, 4/8/2020, 4/14/2020, 4/20/2020, 5/6/2020 – Phone and email correspondence with Meridian 102, LP regarding their election and interest in the unit.

4/2/2020, 4/23/2020, 5/5/2020 – Phone and email correspondence with the Trustee of the Richard K. Barr Family Trust regarding their election. The Trustee has indicated she wants to participate and is reviewing the proposed JOAs.

4/13/2020, 5/8/2020 – Phone and email correspondence with Heirs and/or Devisees of Marjorie Winifred Nations regarding their options, election, and title curative required.

I leased four unleased mineral owners in the unit who are now committed to the unit with a royalty interest and are no longer being compulsory pooled.

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

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

CASE NOS. 21264 & 21265

AFFIDAVIT OF BRIAN SITEK, GEOLOGIST

Brian Sitek, of lawful age and being first duly sworn, declares as follows:

1. My name is Brian Sitek and I am employed by COG Operating LLC ("COC") as a

geologist.

2. I have previously testified before the New Mexico Oil Conservation Division as an

expert witness in petroleum geology. I am familiar with the application filed by COG in this matter

and have conducted a geologic study of the lands in the subject area.

3. The target interval for the initial proposed wells is the Second Bone Spring Sand

(501H), the Third Bone Spring Sand (601H and 602H) and the upper intervals of the Wolfeamp

formation (701H, 702H, and 801H).

4. **COG Exhibit B-1** is a subsea structure map of the top of the Second Bone Spring

Sand of the Bone Spring formation that I prepared for the Second Bone Spring target interval. The

proposed spacing unit is highlighted in yellow and the proposed well (501H) is depicted with a

dashed line. The contour intervals are 25 feet and show the Bone Spring formation gently dipping

to the southwest. The structure appears consistent across the proposed spacing unit and I do not

observe any faulting, pinch outs, or other geologic impediments to drilling horizontal wells,

5. COG Exhibit B-2 is a subsea structure map of the top of the Wolfcamp that I

prepared for the Third Bone Spring Sand and upper Wolfcamp target intervals. The proposed

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Hearing Date: May 28, 2020 Case Nos. 21264-21265 spacing unit is highlighted in yellow and the proposed wells are depicted with dashed lines. The contour intervals are 25 feet and show the formations also gently dip to the southwest. The structure appears consistent across the proposed spacing unit and I do not observe any faulting, pinch outs, or other geologic impediments to drilling horizontal wells.

- 6. COG Exhibit B-3 contains a line of cross sections from A to A' using three wells. I chose these wells because they contain a good set of well logs and are representative of the geology in the subject area.
- 7. COG Exhibit B-4 is a stratigraphic cross-section that I prepared for the Second Bone Spring Sand using the logs from the representative wells shown on Exhibit B-3. Each well on the cross-section contains gamma ray, resistivity, and porosity logs. The target interval for the 501H well is bracketed on the cross-section. The cross-section demonstrates that the targeted interval is continuous across the proposed spacing unit.
- 8. COG Exhibit B-5 is the same stratigraphic cross-section but showing the deeper Third Bone Spring Sands and the Wolfcamp target intervals. The target intervals for the remaining wells are bracketed on this exhibit. The cross-section demonstrates that these targeted intervals are also continuous across the proposed spacing unit.
- 9. Based on my geologic study, the Bone Spring and Wolfcamp formations underlying the subject area are suitable for development by horizontal wells and the acreage comprising the proposed horizontal spacing units will be productive and contribute proportionately to the production from the wells.
- 10. COG Exhibit B-6 shows the Bone Spring and Wolfcamp development in the surrounding area. The standup orientation of the proposed wells is consistent with this surrounding development and recent results suggest this is the preferred orientation for our company.

- 11. In my opinion, approving COG's application is in the best interest of conservation, the prevention of waste, and protection of correlative rights.
- 12. COG Exhibits B-1 and B-6 were either prepared by me or compiled under my direction and supervision.

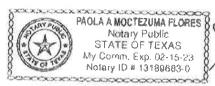
FURTHER AFFIANT SAYETH NOT

BRIAN SITEK

STATE OF TEXAS

COUNTY OF HARRIS

SUBSCRIBED and SWORN to before me this and day of May 2020 by Brian Sitek.



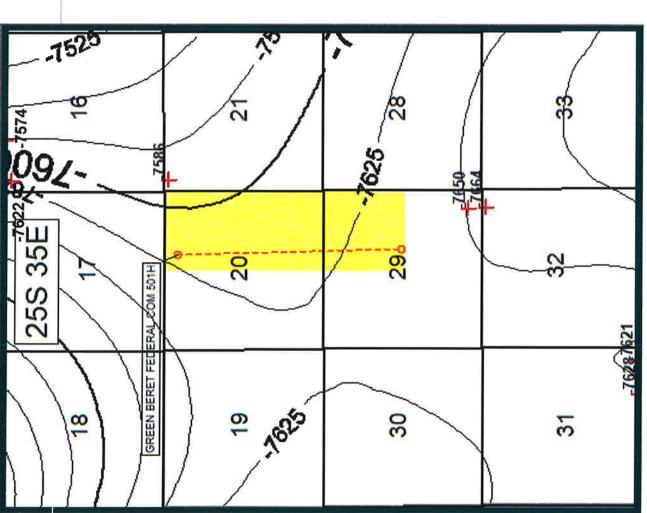
OTARY PUBLIC

My Commission Expires:

3







BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. B1
Submitted by: COG OPERATING LLC
Hearing Date: May 28, 2020
Case Nos. 21264-21265



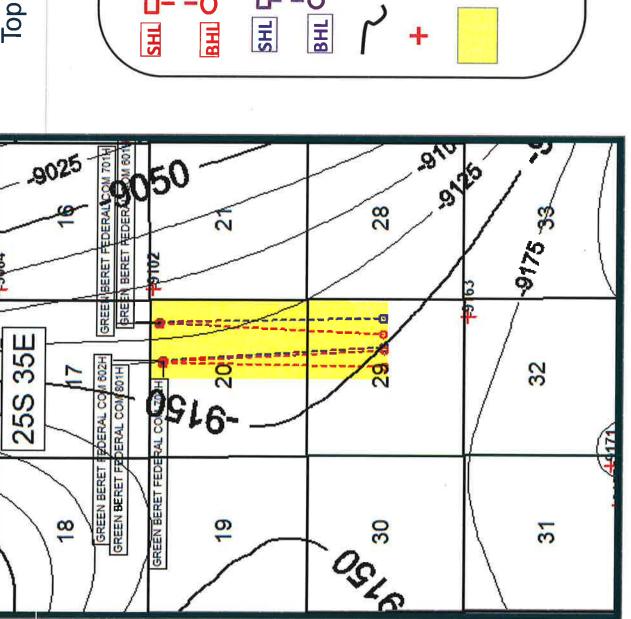
BEFORE THE OIL CONSERVATION DIVISION

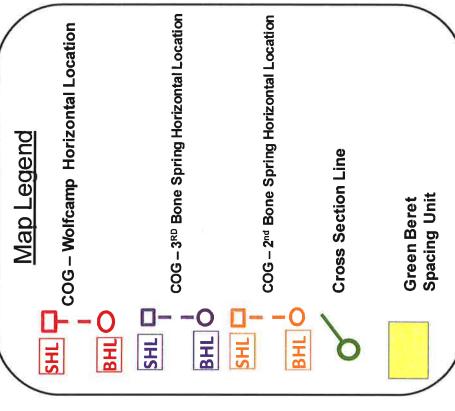
Santa Fe, New Mexico Exhibit No. B2

Submitted by: COG OPERATING LLC

Hearing Date: May 28, 2020

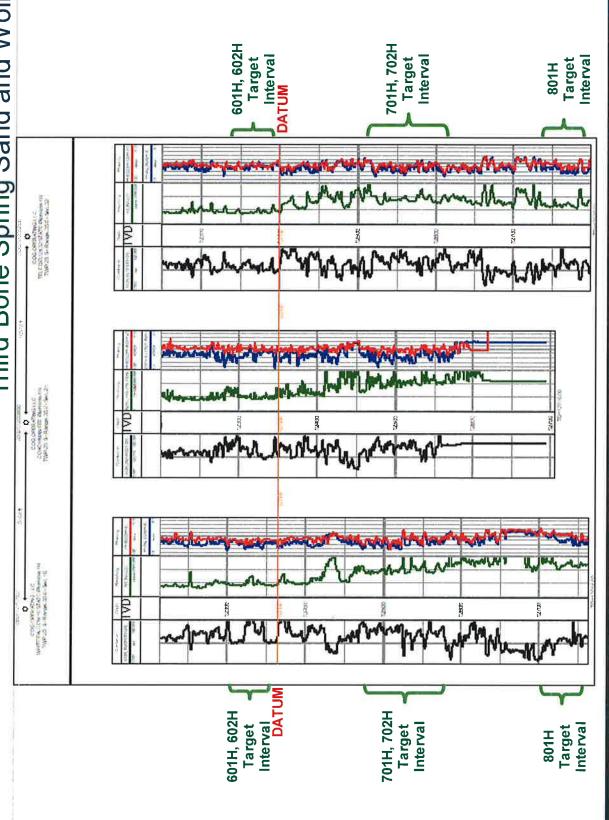
Case Nos. 21264-21265





Santa Fe, New Mexico
Santa Fe, New Mexico
Exhibit No. B3
Submitted by: COG OPERATING LLC
Hearing Date: May 28, 2020
Case Nos. 21264-21265

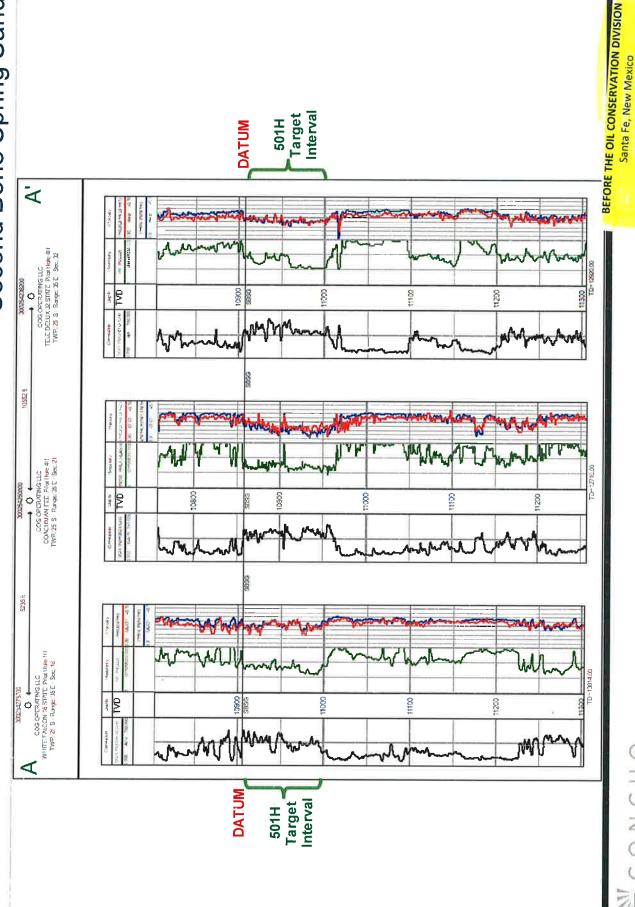






Santa Fe, New Mexico
Santa Fe, New Mexico
Exhibit No. B4
Submitted by: COG OPERATING LLC
Hearing Date: May 28, 2020
Case Nos. 21264-21265

# Stratigraphic Cross Section A – A' Second Bone Spring Sand



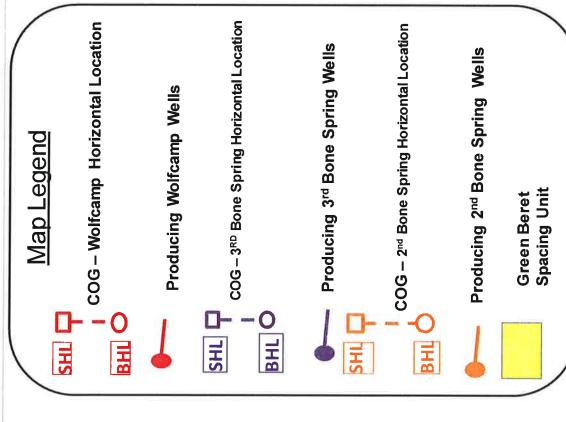


Submitted by: COG OPERATING LLC Hearing Date: May 28, 2020

Exhibit No. B5

Case Nos. 21264-21265

# Green Beret Federal Com 501H,601H,602H.701H,702H,801H





BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. BG
Submitted by: COG OPERATING LLC
Hearing Date: May 28, 2020
Case Nos. 21264-21265

## 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 NOS. 21264-21265

#### **AFFIDAVIT**

STATE OF NEW MEXICO	)
	) ss
COUNTY OF SANTA FE	)

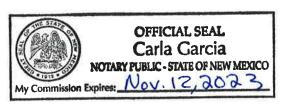
Michael H. Feldewert, attorney in fact and authorized representative of COG Operating LLC, the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Applications have been provided under the notice letters and proof of receipts attached hereto.

Michael H. Feldewert

SUBSCRIBED AND SWORN to before me this 26th day of May, 2020 by Michael H. Feldewert.

My Commission Expires:

Nov. 12,2023





April 24, 2020

#### VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of COG Operating, LLC for Compulsory Pooling, Lea County,

New Mexico.

Green Beret Com #501H, #601H, #602H wells

#### Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on May 14, 2020, and the status of the hearing can be monitored through the Division's website at http://www.emnrd.state.nm.us/ocd/. COVID-19 Pubic Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on May 14, 2020 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted the **OCD** Hearings on website: http://www.emnrd.state.nm.us/OCD/announcements.html. 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.

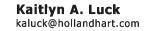
Parties appearing in cases are required by Division Rule 19.15.4.13.B to file a Pre-hearing Statement four business days in advance of a scheduled hearing. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: the names of the parties and their 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.

If you have any questions about this matter, please contact Megan Tipton, at (432) 685-2588 or MTipton@concho.com.

Sincerely,

Kaitlyn A. Luck

ATTORNEY FOR COG OPERATING LLC





April 24, 2020

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

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of COG Operating, LLC for Compulsory Pooling, Lea County,

New Mexico.

Green Beret Com #701H, #702H, #801H wells

#### Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on May 14, 2020, and the status of the hearing can be monitored through the Division's website at <a href="http://www.emnrd.state.nm.us/ocd/">http://www.emnrd.state.nm.us/ocd/</a>. During the COVID-19 Pubic Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on May 14, 2020 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: <a href="http://www.emnrd.state.nm.us/OCD/announcements.html">http://www.emnrd.state.nm.us/OCD/announcements.html</a>. 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.

Parties appearing in cases are required by Division Rule 19.15.4.13.B to file a Pre-hearing Statement four business days in advance of a scheduled hearing. This statement must be filed at the Division's Santa Fe office at the above specified address 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.

If you have any questions about this matter, please contact Megan Tipton, at (432) 685-2588 or MTipton@concho.com.

Sincerely,

Kaitlyn A. Luck

Annhull

ATTORNEY FOR COG OPERATING LLC

COG - Green Beret 501H, 601H-602H, 701H-702H, 801H Wells Case Nos. 21264-21265 Postal Delivery Report

Tracking Number	Recipient	Status
	Meridian 102 LP C/O Providence Energy Ltd 16400 N Dallas Parkway	
9214890194038312184230 (Ste 400 Dallas TX 75248	(Ste 400 Dallas TX 75248	Delivered; Signature Received
	Tap Rock Resources LLC 602 Park Point Drive Ste 200 Golden CO	
9214890194038312184247 (80401	(80401	Delivered; Signature Received
	Cynthia Mae Wilson Trustee of the Scott E Wilson Bypass Trust 4601	
9214890194038312184254 (	9214890194038312184254 (Mirador Drive Austin TX 78735	Delivered; Signature Received
	Beverly Jean Renfro Barr Trustee of the Richard K Barr Family Trust	
9214890194038312184261 (	9214890194038312184261 (8027 Chalk Knoll Drive Austin TX 78735	Delivered; Signature Received
	Heirs and/or Devisees of Marjorie Winifred Nations Reynolds C/O Ms	
	Maureen L Reynolds 3220 N 66th Place Unit 1003 Scottsdale AZ 85251	
9214890194038312184278 (6107	(6107	Delivered; Signature Received
0714890194038317184785 (	Heirs and/or Devisees of Marjorie Winifred Nations Reynolds C/O Ms	Delivered: Signature Received
0270171000101000170	ביייים כיייים כיייים אין אין המוציק ביייים ביייים ביייים כיייים ביייים כיייים ביייים כיייים ביייים בייים ביייים בייים ביים בייים ביים ביים בייים בייים ביים ביים בייים בייים בייים ביים ביי	חבוויבו כמ' סופוימימו ב וויבריויבמ
	Heirs and/or Devisees of Marjorie Winifred Nations Reynolds C/O Mr	
9214890194038312184292	9214890194038312184292 (Arthur William Reynolds 4347 Larkspur Lane Chino CA 91710-5024	Delivered; Signature Received
	Heirs and/or Devisees of Marjorie Winifred Nations Reynolds C/O Ms	
9214890194038312184308	9214890194038312184308 (Kathryn Ann Hendry 9911 N 124th Street Scottsdale AZ 85259-5216	Delivered; Signature Received
9214890194038312184315 (Jerry	(Jerry Haynes PO BOX 61 Baldwin City KS 66006	In-Transit
9214890194038312184322 (Jerry	Jerry Haynes ROUTE 2 Box 882 Baldwin City KS 66006	In-Transit
9214890194038312184339	9214890194038312184339 (Standard Royalty Corporation 9472 Lita Court Jacksonville FL 32257	Delivered; Signature Received
9214890194038312184346	9214890194038312184346 (Hazel (Hogan) Riffel 9335 Gloxinia Drive San Antonio TX 78266	Delivered; Signature Received
	The Estate of William J Kendall C/O Joseph Mark Gregory 8905	
9214890194038312184353	9214890194038312184353 (Random Road Fort Worth TX 76179	Delivered; Signature Received
	The Estate of Dr Guy J Nations C/O Cynthia Mae Wilson Trustee of the	
9214890194038312184360	9214890194038312184360 (Scott E Wilson Bypass Trust 4601 Mirador Drive Austin TX 78735	Delivered; Signature Received
	The Estate of Dr Guy J Nations C/O Beverly Jean Renfro Barr Trustee of the Richard K Barr Family Trust 8027 Chalk Knoll Drive Austin TX	
9214890194038312184377 (7873	(78735	Delivered; Signature Received

COG - Green Beret 501H, 601H-602H, 701H-702H, 801H Wells Case Nos. 21264-21265 Postal Delivery Report

The Maur 9214890194038312184384 (6107	The Estates of Dr Guy J Nations & Marjorie Winifred Nations C/O Ms Maureen L Reynolds 3220 N 66th Place Unit 1003 Scottsdale AZ 85251-06107	Delivered; Signature Received
9214890194038312184391 (	The Estates of Dr Guy J Nations & Marjorie Winifred Nations C/O Ms 9214890194038312184391 (Mackenzie J Reynolds 4347 Larkspur Lane Chino CA 91710-5024	Delivered; Signature Received
9214890194038312184407	The Estates of Dr Guy J Nations & Marjorie Winifred Nations C/O Mr 9214890194038312184407 ¢Arthur William Reynolds 4347 Larkspur Lane Chino CA 91710-5024	Delivered; Signature Received
9214890194038312184414 (	The Estates of Dr Guy J Nations & Marjorie Winifred Nations C/O Ms 9214890194038312184414 (Kathryn Ann Hendry 9911 N 124th Street Scottsdale AZ 85259-5216	Delivered; Signature Received



### Shipment Confirmation Acceptance Notice

Note to Mailer: The labels and volume associated to this form online, must match the labeled packages being presented to the USPS® employee with this form.

COG\_Green Beret Case Nos. 21264-21265 CM# 51500.0010

Shipment Date: 05/08/2020

Shipped From:

Name: HOLLAND & HART LLP (1)

Address: 110 N GUADALUPE ST # 1

City: SANTA FE

State: NM ZIP+4® 87501

Type of Mail	Volume
Priority Mail Express®*	
Priority Mail®	0
First-Class Package Service®	
Returns	
International*	
Other	19
Total	19

<sup>\*</sup>Start time for products with service guarantees will begin when mail arrives at the local Post Office™ and items receive individual processing and acceptance scans.

#### **B. USPS Action**

Note to RSS Clerk:

- 1. Home screen > Mailing/Shipping > More
  2. Select Shipment Confirm
  3. Scan or enter the barcode/label number from PS Form 5630
  4. Confirm the volume count message by selecting Yes or No
  5. Select Pay and End Visit to complete transaction

USPS EMPLOYEE: Please scan upon pickup or receipt of mail. Leave form with customer or in customer's mail receptacle.

**USPS SCAN AT ACCEPTANCE** 

9275 0901 1935 6200 0021 8607 81

table Mail
or Accoun
Book F
Mailing
Firm

UNITED STATES
POSTAL SERVICE®

유 문 문

٨	RD RR SC Fee Fee Fee	1.70	1,70	1.70	1 Deliver ₹qieceip \$mriirma	Returğ	1.70	1.70	1.70	
	ASRD Fee		/	l Deliver	estricted	กลture หิ	gi2 Ilub/	1		
	ASR Fee			lired	ure Requ	lt Signat	ubA			
	Due Sender if COD									
	Insured									
ional for receipt), f Receipt.	Actual Value if Registered									
Affix Stamp Here (if issued as an international certificate of mailing or for additional copies of this receipt). Postmark with Date of Receipt.	Handling Charge	ənı	sv ni 00(	,06r \$50,	pue pə	Register	arge - if	d) gailb	nsH	
X Starr isued as ificate of itional α	(Extra Service) Fee	3 55	3.55	3.55	3.55	3,55	3.55	3.55	3.55	
Affi (if is cert add Pos	Postage	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	
Check type of mail or service    Adult Signature Required   Priority Mail Express     Adult Signature Restricted Delivery   Registered Mail     Certified Mail Restricted Delivery   Merchandise     Collect on Delivery (COD)   Signature Confirmation     Insured Mail   Restricted Delivery   Restricted Delivery     Signature Confirmation   Restricted Delivery	Addressee (Name, Street, City, State, & ZIP Code <sup>ru,</sup> )	Maridan 102 LP C/O Providence Energy Lld 16400 N Dallas Parkway Ste 400 Dallas TX 75248	Tap Rock. Resources LLC 602 Park Point Drive Sie 200 Golden CO 80401	Cyrithia Mae Wilson Trustee of the Scott E Wilson Bypass Trust 4601 Mirador Drive Auslin TX 78735	Beverly Jean Renfro Barr Trustee of the Richard K Barr Family Trust 8027 Chalk Knoll Drive Austin TX 78735	Heirs and/or Devisees of Marjorie Winifred Nations Reynolds C/O Ms Maureen L Reynolds 3220 N 66th Place Unit 1003 Scottsdale AZ 85251-6107	Heirs andor Devrsees of Marjorie Winifred Nations Reynolds C/O Ms Mackerizie J Reynoids 4347 Larkspur Lane Chino CA 91710-5024	Heirs andfor Devisees of Marjorie Wrinfred Nations Reynolds C/O Mr Arthur William Reynolds 4347 Larkspur Lane Chino CA 91710-5024	Heirs andfor Devisees of Marjone Winfred Nations Reynolds C/O Ms Kathryn. Ann Hendry 9911 N 124th. Street Scottsdale AZ 85259-5216	Postmaster, Per (Name of receiving employee)
	USPS Tracking/Article Number	1. 9214 8901 9403 8312 1842 30	2. 9214 8901 9403 8312 1842 47	3. 9214 8901 9403 8312 1842 54	4. 9214 8901 9403 8312 1842 61	5. 9214 8901 9403 8312 1842 78	6. 9214 8901 9403 8312 1842 85	7. 9214 8901 9403 8312 1842 92	8. 9214 8901 9403 8312 1843 08	Total Number of Pieces Total Number of Pieces Listed by Sender Received at Post Office 19

Special Handling

Privacy Notice: For more information on USPS privacy policies, visit usps.com/privacypolicy.

Complete in Ink

PS Form **3877**, April 2015 (Page 1 of 3) PSN 7530-02-000-9098

(I)
÷
9
.00
₹
=
ᅐ
$\ddot{\circ}$
ၓ
7
~
0
Ц.
¥
0
ŏ
ñ
_
O
Ξ
<u>'ख</u>
Ë
im
還
щ

Ŋ	Œ.
DSTATE	SERVIC
UNITE	POSTAL
A	

POSTAL SERVICE®							ш	Firm Mailing Book For Accountable Mail	illing	Bool	For	Acc	ounta	ble	Mail
Name and Address of Sender	rvice														1
Holland & Hart LLP (1) 110 N Guadalupe St # 1 Santa Fe NM 87501	☐ Adult Signature Required ☐ Adult Signature Restricted Delivery ☐ ☒ Certified Mail	<ul> <li>□ Priority Mail Express</li> <li>□ Registered Mail</li> <li>□ Return Receipt for</li> </ul>	Affi (if is	Affix Stamp Here (if issued as an intem	Affix Stamp Here (if issued as an intemational	ional									
	□ Certified Mail Restricted Delivery     □ Collect on Delivery (COD)     □ Insured Mail     □ Priority Mail		addi Pos	ificate of r tional cop tmark wi	certificate of mailing or for additional copies of this receipt). <b>Postmark with Date of Receipt</b> .	or receipt). r <b>Receipt</b> .									
USPS Tracking/Article Number	Addressee (Name, Street, City, S	State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured	Due Sender if COD	ASR Fee	ASRD Fee	Fee Tee	똤 % -	SC S(	SCRD	Fee SH
9. 9214 8901 9403 8312 1843 15	Jerry Haynes PO BOX 61 Baldwin City KS 66006		0.65	3.55								1.70			
					ənj										
10. 9214 8901 9403 8312 1843 22	Jerry Haynes ROUTE 2 Box 882 Baldwin City KS 66006		0.65	3.55	ενι							1.70			
					ni 000					/				very	
11. 9214 8901 9403 8312 1843 39	Standard Royalty Corporation 9472 Lita Court Jacksonv	ville FL	0.65	3,55	'09					ıə		1.70		lləc	
	32257				r \$5				pe	vilə				7 pa	
					ðΛG				ire	ا ۵	٨			910	
12. 9214 8901 9403 8312 1843 46	Hazel (Hogan) Riffel 9335 Gloxinia Drive San Antonio T.	TX 78266	99.0	3.55	рр				ıbə	) <del>)</del> )				มาร	Вui
					นะ				Я (	tric			_	КG	lbr
					pə.				nre	sə;	_		-	uç	181
13. 9214 8901 9403 8312 1843 53	The Estate of William J Kendall C/O Joseph Mark Grego	gory 8905	0.65	3.55	ıəţ				ier	A e	_		_	uje	911
	Random Road Fort Worth TX 76179		La December 1		sigə				ıgiS	atur	oirts	njəz	atur	mii	ioed
					Ы,				11r	uß	-	+	+	up	S
14. 9214 8901 9403 8312 1843 60	The Estate of Dr Guy J Nations C/O Cynthia Mae Wilson Trustee of	Trustee of	0.65	3.55	ļį ·				ıpı	Sis		1.70	_	ົວ	
ā	the Scott E Wilson Bypass Trust 4601 Mirador Drive Austin TX	stin TX			- əl				∀	цŗ				11.6	
	(8/30				arg					ηpγ				116	
15. 9214 8901 9403 8312 1843 77	The Estate of Dr. Guy J Nations C/O Beverly Jean Rerifro Barr	р Вагт	0.65	3.55	40					1		1.70		aß	
	K Barr Family Trust 8027 Chalk	Knoll			) B(									ıs	
	Drive Austin TX 78735				rilk										
16. 9214 8901 9403 8312 1843 84	The Estates of Dr Guy J Nations & Marjone Winfred Na	ations C/O	99.0	3.55	auc							1.70		$\vdash$	
	Ms Maureen L Reynolds 3220 N 66th Place Unit 1003 S	Scottsdale AZ			Ή										
Total Number of Pieces Total Number of Pieces Listed by Sender Received at Post Office	Postmaster, Per (Name of receiving employee)	яіліпд етріоуее)											1	1	]
- 1															
PS Form <b>3877</b> , April 2015 (Page 2 of 3) PSN 7530-02-000-9098	3) Complete in Ink	Vird	acy Not	ice: For	more in	Privacy Notice: For more information on USPS privacy policies, visit usps.com/privacypolicy.	on USP	S privad	y poli	cies, v	isit <i>u</i> s	ps.co	m/pri	асур	olicy.

UNITED STATES	POSTAL SERVICE®
	\

POSTAL SERVICE®			7			Firm Mailing Book For Accountable Mail	iling B	Sook F	For Ac	cour	Itable	Mail
Name and Address of Sender	Check type of mail or service											
Holland & Hart II P (1)	☐ Adult Signature Required ☐ Priority Mail Express											
110 N Guadaline St # 1	☐ Adult Signature Restricted Delivery ☐ Registered Mail	Affix S	Affix Stamp Here	ere								
Santa Fe NM 87501	Certified Mail	(if issue	id as an ii	(if issued as an international								
	Restricted Delivery	certifica	certificate of mailing or for	ing or for								
	☐ Collect on Delivery (COD) ☐ Signature Confirmation	addition	al copies	additional copies of this receipt).								
	Insured Mail	rosmi	T (TIM VIE	rosunara wiui bale oi Receipt.								
	☐ Priority Mail Restricted Delivery											
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage (E	(Extra Hail Service) Ch	Handling Actual Value Charge if Registered	Insured Value	Due Sender if	ASR AS	ASRD RD Fee Fee	RR Se	S &	SCRD Fee	R S
		+	Fee			9			-			
17. 9214 8901 9403 8312 1843 91	The Estates of Dr Guy J Nations & Marjorie Winifred Nations C/O	0.65	3,55						1.70			
	Ms Mackenzie J Reynolds 4347 Larkspur Lane Chino CA 91710-5024		-						_			
				nı								
18. 9214 8901 9403 8312 1844 07	The Estates of Dr Guy J Nations & Marjorie Winifred Nations C/O	0.65 3.	3.55	64					1.70			
			_	. u								
	91710-5024										ιλ	
	1-100 0.1 1.0			200							ð۸	
19. 9214 8901 9403 8312 1844 14	The Estates of Dr Guy J Nations & Marione Winified Nations C/O	0.65	3.55	J'(				(Ji	1.70		ηŧ	
								9Λ			D	
	Wis realing 1 Alin Ferrol y 53 1 1 1 124th Cuest Coulscule AL		•	<b>*</b>				ile	_	ı	р	
	89.254-52.16			 I <i>ə/</i>				De		10	əj:	
			1	10			+	+		+	. اد	6
				D			_				ı;s	iui
											<b>3</b> 6	Įр
				pe			re	js:	G D	ļuc	ı u	ยม
			1	ə.i			4	+	-	+	10	Н
				ə1			_			_	ita	g
				Sıl				-		_	:w	io
				 6ə				_	_		u į	əc
			_	ĸ				_	_		ļu	ıs
				11					Į.	Sic	20	
				- ;				S 1		3	) Ә	
			-	 a6				In			ın	
				ar				b/			at	
				ur				,			<b>16</b>	
				 n 6							!S	
			_	uı								
				aıı								
				ue								
				:H								
Total Misself Chinese									-			
Listed by Sender Received at Post Office 19	Postmaster, Per (Name of receiving employee)											
PS Form <b>3877</b> . April 2015 (Page 3 of 3)	Complete in Ink	acy Notice	For me	Privacy Notice: For more information on USPS privacy policies, visit usps.com/privacypolicy.	on USP	Sprivac	v policie	ss. visi	tusps	com/c	rívacy	rooficy.
		Tan fan	·		)			<u> </u>	- Lan	,		

#### Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

> Beginning with the issue dated April 28, 2020 and ending with the issue dated April 28, 2020.

#### BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico **Exhibit No. D** Submitted by: COG OPERATING LLC Hearing Date: May 28, 2020 Case Nos. 21264-21265

Publisher

Sworn and subscribed to before me this 28th day of April 2020.

Business Manager

My commission expires **新加州市的城市大学的大学的城市** 

January 29, 2023



OFFICIAL SEAL **GUSSIE BLACK** Notary Public State of New Mexico. My Commission Expires 1-29-2

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

#### LEGAL NOTICE April 28, 2020

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

The State of New Mexico, Energy Minerals and Natural Resources Department, Oil Conservation Division ("Division") hereby gives notice that the Division will hold public hearings before a hearing examiner on the following case. During the COVID-19 Public Health Emergency, state buildings are closed to the public hearing will be conducted remotely. The remote electronic public hearing will be conducted remotely. The hearing will be conducted on the conducted on the public hearing, see the instructions posted below. The docket may be viewed at http://www.emnrd.state.nm.us/OCD/hearings.html or obtained from Marlene Salvidrez, at Marlene Salvidrez@state.nm.us. Documents filed in the case may be viewed at http://ocdimage.emnrd.state.nm.us/imaging/CaseFileCriteria.aspx. If you are an individual with a disability who needs a reader, amplifier, qualified sign language interpreter, or other form of auxiliary ald or service to attend or Marlene.Salvidrez@state.nm.us, or the New Mexico Relay Network at 1-800-859-1779, no later than Monday, May 4, 2020.

Persons may view and participate in the hearings through the following link and as indicated below:

Meeting number: 968 329 152 Password: YQe6KZBe3n6 https://nmemnrd.webex.com/nmemnrd/j.php?MTID=mb3ddb90721ccc1720770 9b8c71dc2ac1

Join by video system
Dial 968329152@nmemnrd.webex.com You can also dial 173.243.2.68 and enter your meeting number.

Join by phone +1-408-418-9388 United States Toll Access code: 968 329 152

STATE OF NEW MEXICO TO: All named parties and persons having any right, title, interest or claim in the following case and notice to the public.

(NOTE: All land descriptions herein refer to the New Mexico Principal Meridian

whether or not so stated.)

TO: All overriding royalty interest owners and pooled parties, including: Providence Energy Partners III, LP; Tap Rock Resources, LLC; Cynthia Mae Wilson, Trustee of the Scott E. Wilson Bypass Trust; Beverly Jean Renfro Barr, Trustee of the Richard K. Barr Family Trust; Ryan Moore, Trustee of the Ryan Moore SSMTT GST Exempt Trust revised and restated on December 22, 2008; Ryan Moore, Trustee of the Ryan Moore SSMTT GST Nonexempt Trust as revised and restated on December 22, 2008; Heirs and/or Devisees of Marjorie Winifred Nations Reynolds, C/O Ms. Maureen L. Reynolds; Heirs and/or Devisees of Marjorie Winifred Nations Reynolds, C/O Ms. Mackenzie J. Reynolds; Heirs and/or Devisees of Marjorie Winifred Nations Reynolds, C/O Ms. Kathryn Ann Hendry; Jerry Haynes, his heirs and devisees; Standard Royalty Corporation; Hazel (Hogan) Riffel, her heirs and devisees; The Estate of William J. Kendall, his heirs and devisees, C/O Joseph Mark Gregory; The Estate of Dr. Guy J. Nations, his heirs and devisees; C/O Beverly Jean Renfro Barr, Trustee of the Scott E Wilson Bypass Trust and C/O Beverly Jean Renfro Barr, Trustee of the Richard K Barr Family Trust; The Estates of Dr. Guy J. Nations & Marjorie Winifred Nations, their heirs and devisees; C/O Mr. Arthur William Reynolds, and C/O Ms. Kathryn Ann Hendry.

Case No. 21264: Application of COG Operating LLC for compulsory pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interest owners in the Bone Spring formation underlying a standard 480-acre, more or less, horizontal spacing unit comprised of the E/2 of Section 20, and the NE/4 of Section 29, Township 25 the above-referenced horizontal spacing unit to the to the following proposed wells:

wells:

• The Green Beret Federal Com #501H well and the Green Beret Federal Com #602H well, both of which will be drilled from a common surface hole location in the NW/4 NE/4 (Unit B) of Section 20 to bottom hole locations in the • The Green Beret Federal Com #601H well, to be drilled from a surface hole location in NE/4 NE/4 (Unit A) of Section 20 to a bottom hole location in the • The Green Beret Federal Com #601H well, to be drilled from a surface hole location in NE/4 NE/4 (Unit A) of Section 20 to a bottom hole location in the SE/4 NE/4 (Unit H) of Section 29.

The completed interval for the proposed Green Beret Federal Com #602H well will remain within 330 feet of the quarter-quarter line separating the E/2 from the W/2 E/2 of Section 20, and the E/2 NE/4 from the W/2 NE/4 of Section 29, to allow inclusion of these proximity tracts in a standard 480-acre and completing the wells, the allocation of the cost thereof, the actual operating the imposition of 200% charge for risk involved in drilling and completing each well. Said area is located approximately 11 miles west of Jal New Marsie.

#### Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

> Beginning with the issue dated April 28, 2020 and ending with the issue dated April 28, 2020.

**Publisher** 

Sworn and subscribed to before me this 28th day of April 2020.

Business Manager

My commission expires

January 29, 2023

OFFICIAL SEAL GUSSIE BLACK Notary Public State of New Mexico

My Commission Expires 1-29

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

#### LEGAL NOTICE April 28, 2020

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

The State of New Mexico, Energy Minerals and Natural Resources Department, Oil Conservation Division ("Division") hereby gives notice that the Division will hold public hearings before a hearing examiner on the following case. During the COVID-19 Public Health Emergency, state buildings are closed to the public and Division hearings will be conducted remotely. The remote electronic public hearing will be conducted remotely. The hearing will be conducted on hearing, will be conducted on the string will be conducted on the string will be conducted on hearing, see the instructions posted below. The docket may be viewed at http://www.emnrd.state.nm.us/OCD/hearings.html or obtained from Marlene Salvidrez, at Marlene.Salvidrez@state.nm.us.Documents filed in the case may be viewed at http://ocdimage.emnrd.state.nm.us/maging/CaseFileCriteria.aspx. If you are an individual with a disability who needs a reader, amplifier, qualified participate in a hearing, contact Marlene Salvidrez at Marlene.Salvidrez@state.nm.us, or the New Mexico Relay Network at 1-800-659-1779, no later than Monday, May 4, 2020.

Persons may view and participate in the hearings through the following link and as indicated below:

Meeting number: 968 329 152
Password: YQe6KZBe3n6
https://nmemnrd.webex.com/nmemnrd/j.php?MTID=mb3ddb90721ccc1720770

Join by video system
Dial 968329152@nmemnrd.webex.com
You can also dial 173.243.2.68 and enter your meeting number.

Join by phone +1-408-418-9388 United States Toll Access code: 968 329 152

STATE OF NEW MEXICO TO: All named parties and persons having any right, title, interest or claim in the following case and notice to the public.

(NOTE: All land descriptions herein refer to the New Mexico Principal Meridian

whether or not so stated.)

TO: All overriding royalty interest owners and pooled parties, including: Providence Energy Partners III, LP; Tap Rock Resources, LLC; Cynthia Mae Wilson, Trustee of the Scott E. Wilson Bypass Trust; Beverly Jean Renfro Barr, Trustee of the Richard K. Barr Family Trust; Ryan Moore, Trustee of the Ryan Moore SSMTT GST Exempt Trust revised and restated on December 22, 2008; Ryan Moore, Trustee of the Ryan Moore SSMTT GST Nonexempt Trust as revised and restated on December 22, 2008; Ryan Moore, Trustee of the Ryan Moore 2008; Heirs and/or Devisees of Marjorie Winifred Nations Reynolds, C/O Ms. Maureen L. Reynolds; Heirs and/or Devisees of Marjorie Winifred Nations Reynolds, C/O Ms. Mackenzie J. Reynolds; Heirs and/or Devisees of Marjorie Winifred Nations Reynolds; C/O Ms. Kathryn Ann Hendry; Jerry Haynes, his heirs and devisees; Standard Royalty Corporation; Hazel (Hogan) Riffel, her heirs and devisees; The Gregory; The Estate of Dr. Guy J. Nations, his heirs and devisees; C/O Beverly Jean Renfro Barr, Trustee of the Scott E Wilson Bypass Trust and C/O Beverly Jean Renfro Barr, Trustee of the Richard K Barr Family Trust; The devisees; C/O Ms. Maureen L. Reynolds, C/O Ms. Mackenzie J. Reynolds, C/O Mr. Arthur William Reynolds, and C/O Ms. Kathryn Ann Hendry.

Case No. 21265: Application of COG Operating LLC for compulsory pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interest owners in the Wolfcamp formation underlying a standard 480-acre, more or less, horizontal spacing unit comprised of the E/2 of Section 20, and the NE/4 of Section 29, Township 25 the above-referenced horizontal spacing unit to the to the following proposed wells:

the above-referenced nonzontal spacing unit to the to the following proposed wells:

• The Green Beret Federal Com #701H well, to be drilled from a surface hole location in NE/4 NE/4 (Unit A) of Section 20 to a bottom hole location in the SE/4 NE/4 (Unit H) of Section 29; and

• The Green Beret Federal Com #702H well and the Green Beret Federal Com #801H well, both of which will be drilled from a common surface hole location in the NW/4 NE/4 (Unit B) of Section 20 to bottom hole locations in the SW/4 NE/4 (Unit G) of Section 29.

The completed interval for the proposed Green Beret Federal Com #701H well will remain within 330 feet of the quarter-quarter line separating the E/2 from the W/2 E/2 of Section 20, and the E/2 NE/4 from the W/2 NE/4 or Section 29, to allow inclusion of these proximity tracts in a standard 480-acre horizontal well spacing unit. Also, to be considered will be the cost of drilling costs and charges for supervision, the designation of applicant as operator, and the imposition of 200% charge for risk involved in drilling and completing each well. Said area is located approximately 11 miles west of Jal, New Mexico.