OCD Case No. 16378

COG OPERATING Exhibit #1

DISTRICT I 1825 N. FRENCH DR., HOBBS, NM 88240 Phone: (575) 393-6161 Pax: (576) 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. Santa Fe, New Mexico 87505

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

☐ AMENDED REPORT

API Number	Pool Code		Pool Name
Property Code	•	L erty Name R FEDERAL COM	Well Number 23H
OGRID No.	Oper	ator Name RATING, LLC	Elevation 3350.6

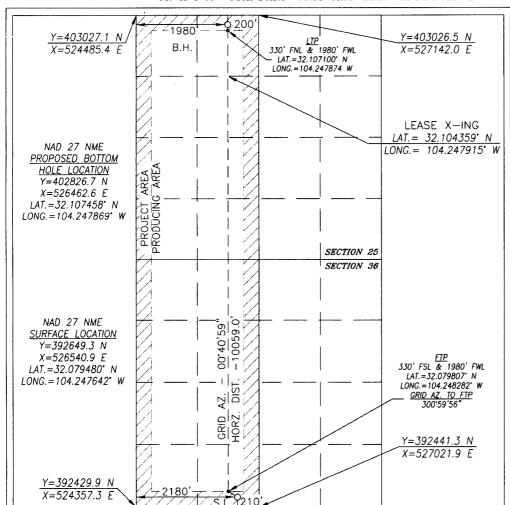
Surface Location

1	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	Ν	36	25-S	26-E		210	SOUTH	2180	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
С	25	25-S	26-E		200	NORTH	1980	WEST	EDDY
Dedicated Acre	s 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



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

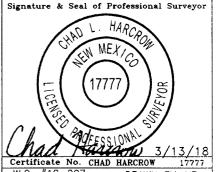
Signature	Date
Printed Name	
E-mail Address	

SURVEYOR CERTIFICATION

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

MARCH 1, 2018

Date of Survey



W.O. #18-207 DRAWN BY: VB

OCD Case No. 16378

COG OPERATING Exhibit #2

7.500000%

Chevron U.S.A. Inc.

Land Analysis - Ownership

Tract 1	Tract 2	Tract 3	Tract 4

Fee

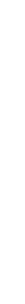
Fee

Fed

Tract 1	WI
COG Operating LLC	100.000000%
Tract 2	WI
COG Operating LLC	16.666667%
Tap Rock Resources, LLC	83.33333%
Tract 3	WI
COG Operating LLC	54.166667%
Cimarex Energy Co.	2.500000%
MRC Permian Company	41.666666%
RSC Resources, L.P.	1.666667%

Tract 4	IW
COG Operating LLC	62.674447%
Concho Oil & Gas LLC	3.298655%
The Allar Company	19.026898%
Chevron U.S.A. Inc.	15.000000%
Unit Summary	WI
COG Operating LLC	67.535140%
Tap Rock Resources, LLC	5.208333%
Cimarex Energy Co.	0.468750%
MRC Permian Company	7.812500%
RSC Resources, L.P.	0.312500%
The Allar Company	9.513449%
Concho Oil & Gas LLC	1.649000%

State







September 17, 2018

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Cimarex Energy Company 600 N. Marienfeld, Suite 600 Midland, Texas 79701 Attn: Caitlin E. Pierce

Re:

Well Proposal - Road Runner Federal Com 23H

Township 25 South, Range 26 East

SHL: 210 FSL & 2180 FWL or a legal location in Unit N (Section 36) BHL: 200 FNL & 1980 FWL or a legal location in Unit C (Section 25)

Eddy County, New Mexico

Dear Working Interest Owner:

COG Operating LLC ("COG"), as Operator, hereby proposes the drilling of the well referenced above. The Road Runner Federal Com 23H will be drilled to a depth sufficient to test the Wolfcamp formation at total vertical depth of 8,956' and measured depth of approximately 18,800'. The surface hole location is proposed at a legal location in Unit N of Section 36 and a bottom hole location at a legal location in Unit C of Section 25. The dedicated horizontal project area will comprise the W2 of Section 36, T25S–R26E and the W2 of Section 25, T25S–R26E, Eddy County, New Mexico.

Included herewith is an Authority for Expenditure ("AFE") in the gross amount of \$ 12,760,000.00, being the total estimated cost to drill and complete this well. COG anticipates to spud the captioned well on or before November 15, 2018.

COG is proposing to drill the above referenced well under the terms of a new Operating Agreement dated June 1, 2018 ("OA") which will supersede and replace that modified 1982 AAPL form of Operating Agreement dated February 1, 2010, and Amendment and Ratification of Joint Operating Agreement dated March 1, 2017, as they apply to the above mentioned project area. A copy of the proposed OA will be sent subsequent to your receipt of the well proposal and AFE.

If you have any comments or questions, please do not hesitate to contact the undersigned at 432-685-2590 or JMartin1@concho.com

Sincerely,

COG Operating LLC

James Martin Landman II – Northern Delaware Basin

OCD Case No. 16378

COG OPERATING Exhibit #3

Road Runner F	Federal Com 23H:
	I/We hereby elect to participate in the Road Runner Fed Com 23H.
	I/We hereby elect <u>not</u> to participate in the Road Runner Fed Com 23H.
Cimarex Energy Estimated Work Company: By: Name: Title: Date:	gy Company king Interest: TBD



Well(s):

Road Runner Federal Com 23H

Working Interest Owners:

Chevron North America Exploration and Production Company (a Chevron U.S.A. Inc. division) 6301 Deauville Blvd.
Midland, TX 79706

MRC Permian Company 5400 LBJ Freeway, Suite 1500 Dallas, Texas 75240

Cimarex Energy Co. 600 N. Mariefeld Street, Suite 600 Midland, Texas 79701

RSC Resources, L.P. P.O. Box 8329 Horseshoe Bay, TX 78657

The Allar Company P.O. Box 1567 Graham, Texas 76450

Overriding Royalty Interest Owners:

EG3, Inc. 735 Elm Street Graham, Texas 76450

CrownRock Minerals, L.P. P.O. Box 51933 Midland, TX 79710

John Kyle Thoma, Trustee of the Cornerstone Family Trust P.O. Box 558 Peyton, CO 80831-0558

Chevron North America Exploration and Production Company (a Chevron U.S.A. Inc. division) 6301 Deauville Blvd.
Midland, TX 79706

Nestegg Energy Corporation 2308 Sierra Vista Rd Artesia, NM 88210

Unmarketable Title Owners:

1. Heirs and devisees of J.F. Forehand (deceased)

OCD Case No. 16378

COG OPERATING Exhibit #4

Last known address:

Current Mineral Owners of J.F. Forehand title chain:

Lost Creek Royalties, LP PO Box 2064 Midland, TX 79702

Arroyo Resources, LTD 400 W. Illinois Ave, Suite 1070 Midland, TX 79701

Alisa Ogden aka Alisa Ogden Stell Rt 1 Box 204C Carlsbad, NM 88220

B&G Royalties PO Box 376 Artesia, NM 88211-0376

Ross Duncan Properties, LLC PO Box 647 Artesia, New Mexico 88211/0647

CH4NET.com, Ltd PO Box 1000 Roswell, NM 88202

Hold The Door, L.P. 6824 Island Circle Midland, TX 79707

TD Minerals, LLC 8111 Westchester, Suite 900 Dallas, TX 75225

Sourcing Rock, LLC 1304 Silverton Drive Midland, TX 79705

2. Heir and devisees of Edgar D. Smith

Last known address:

Current Mineral Owners of Edgar D. Smith title chain:

Dale Williston Minerals 2011, LP 2100 Ross Avenue, Suite 1870, LP-9 Dallas, TX 75201

Alisa Ogden aka Alisa Ogden Stell Rt 1 Box 204C Carlsbad, NM 88220

3. Heirs and devisees of Minnie Reed

Last known address:

Current Mineral Owners of Minnie Reed title chain:

Ross Duncan Properties, LLC PO Box 647 Artesia, New Mexico 88211/0647

Jodie R. Darden PO Box 13362 Odessa, TX 79768

John Reed PO Box 13057 Odessa, TX 79768

Jana B. Crane 104 Jamie Way Del Rio, TX 78840

Camille R. Allen PO Box 13256 Odessa, TX 9768

4. Heirs and devisees of Elmer Forehand

Last known address:

Current Mineral Owners of Minnie Reed title chain:

Charlotte Forehand Albright 1705 Boyd Dr. Carlsbad, New Mexico 88220

Mark Lee Forehand and Jeanne Lynn Forehand PO Box 5373 Carlsbad, New Mexico 88220

5. Heirs and devisees of Roy Forehand

Last known address:

Current Mineral Owners of Minnie Reed title chain:

Elizabeth Forehand Smith Box 33 Socorro, NM 87801

Ann Forehand Langlinais PO Box 401 Garden Valley, Idaho 83622

Susan Ogden Benting 1900 Richard Jones Road #P-3 Nashville, Tennessee 37215

Karen Ogden Cortese Rt 1 Box 136 Ft. Sumner, NM 88119

Craig William Ogden Rt 1 Box 65 Loving, NM 88256

Alisa Ogden aka Alisa Ogden Stell Rt 1 Box 204C Carlsbad, NM 88220

Benting Revocable Trust u/a/d August 8, 2003 1900 Richard Jones Road #P-3 Nashville, Tennessee 37215



HINKLE SHANOR LLP

ATTORNEYS AT LAW

PO BOX 268

SANTA FE, NEW MEXICO 87504

505-982-4554 (FAX) 505-982-8623

WRITER:

Gary W. Larson, Partner glarson@hinklelawfirm.com

August 14, 2018

VIA CERTIFIED MAIL

Chevron North America Exploration and Production Company (a Chevron U.S.A. Inc. division) 6301 Deauville Blvd.
Midland, TX 79706

Re:

COG Operating LLC NMOCD Application

Dear Sir or Madam:

Enclosed is a copy of an application for compulsory pooling that COG Operating LLC ("COG") has filed with the New Mexico Oil Conservation Division ("the Division"). COG requests an order pooling all uncommitted mineral interests in the Wolfcamp formation in a standard 640-acre horizontal spacing unit comprised of W/2 of Section 25 and the W/2 of Section 36, Township 25 South, Range 26 East, N.M.P.M., Eddy County, New Mexico.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, September 6, 2018 in Porter Hall at the Division's offices located at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Chevron North America Exploration and Production Company ("Chevron") is not required to attend this hearing, but as an owner of an interest that may be affected by COG's application, it may appear at the hearing and present testimony. If Chevron does not appear at that time and become a party of record, it will be precluded from contesting the matter at a later date.

A party appearing in a Division case is required by the Division's Rules to file a Pre-Hearing Statement, which in this matter must be filed no later than Thursday, August 30, 2018. The Pre-Hearing Statement must be filed with the Division's Santa Fe office at the address above, and should include: the name of the party and the party's attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate amount of time the party will need to present the party's case; and an identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to me.

Thank you for your attention to this matter.

Very truly yours,

Gary W. Larso

GWL:sm Enclosure

Sittle Control of the		DELIVERY
Complete items 1, 2, and 3.	A. Signestufre	☐ Agent
Print your name and address on the reverse so that we can return the card to you.	Xus	☐ Addressee
Attach this card to the back of the mailpiece,	B. Received by (Printed Name)	C. Date of Delivery
or on the front if space permits. 1. Article Addressed to:	D. Is delivery address different from	n item 1? 🗆 Yes
Chevron North America Exploration	If YES, enter delivery address	
6301 Deauville Blvd.		
Midland, TX 79706		
ivildidia, 171 77700		
	3. Service Type ☐ Adult Signature	☐ Priority Mail Express® ☐ Registered Mail™
	☐ Adult Signature Restricted Delivery Certified Mail®	☐ Registered Mail Restricted Delivery
9590 9402 3452 7275 9733 27	☐ Certified Mail Restricted Delivery ☐ Collect on Delivery	☐ Return Receipt for Merchandise
2. Article Number (Transfer from service label)	☐ Collect on Delivery Restricted Delivery	☐ Signature Confirmation™☐ Signature Confirmation
7018 0040 0000 4364 07	P 57 Restricted Delivery	Restricted Delivery
PS Form 3811, July 2015 PSN 7530-02-000-9053		Domestic Return Receipt
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON	DELIVERY
■ Complete items 1, 2, and 3.	A. Signature	
Print your name and address on the reverse	x 2	☐ Agent
so, that we can return the card to you.	B. Received by (Printed Name)	C., Date of Delivery
Attach this card to the back of the mailpiece, or on the front if space permits.	B. Heceived by I rimod riago	8-20-18
Article Addressed to:	D. Is delivery address different from	m item 1? Yes
MRC Permian Company	If YES, enter delivery address	below: No
5400 LBJ Freeway, Suite 1500		
Dallas, TX 75240		
	11	
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	3. Service Type	☐ Priority Mail Express®
	☐ Adult Signature ☐ Adult Signature Restricted Delivery	 ☐ Registered Mail™ ☐ Registered Mail Restrict
9590 9402 3452 7275 9731 29	☐ Adult Signature	 ☐ Registered Mail Restrict ☐ Delivery ☐ Return Receipt for
	□ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Certified Mail Restricted Delivery □ Collect on Delivery □ Delivery Restricted Delivery	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation ¹
2. Article Number (Transfer from 1971)	☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Delivery Restricted Delivery ☐ II ☐ III ☐ II	☐ Registered Mail™ ☐ Registered Mail Restrict Delivery ☐ Return Receipt for Merchandise
2. Article Number <i>Transfer from</i>	□ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Certified Mail Restricted Delivery □ Collect on Delivery □ Delivery Restricted Delivery □ II	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation □ Signature Confirmation
2. Article Number (Transfer from 1971)	☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Delivery Restricted Delivery ☐ II ☐ III ☐ II	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation □ Signature Confirmation
2. Article Number <i>Transfer from</i>	☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Delivery Restricted Delivery ☐ II ☐ Cover \$500)	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation Signature Confirmation Restricted Delivery Domestic Return Receip
2. Article Number <i>Transfer from</i>	☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Delivery Restricted Delivery ☐ I ☐ I ☐ Complete This Section Of	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation Signature Confirmation Restricted Delivery Domestic Return Receip
2. Article Number Transfer from 2000 4364 05 7018 0040 0000 4364 05 PS Form 3811, July 2015 PSN 7530-02-000-9053 SENDER: COMPLETE THIS SECTION ■ Complete items 1, 2, and 3.	☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Delivery Restricted Delivery ☐ II ☐ Cover \$500)	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation □ Signature Confirmation □ Restricted Delivery Domestic Return Receip
2. Article Number Transfer from 2011 4364 05 7018 0040 0000 4364 05 PS Form 3811, July 2015 PSN 7530-02-000-9053 SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3.	☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Delivery Restricted Delivery ☐ I ☐ I ☐ Complete This Section Of	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation □ Signature Confirmation Restricted Delivery Domestic Return Receip
2. Article Number Transfer from 2000 4364 05 7018 0040 0000 4364 05 PS Form 3811, July 2015 PSN 7530-02-000-9053 SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailplece,	Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail Restricted Delivery Collect on Delivery Delivery Restricted Delivery Delivery Restricted Delivery (over \$500)	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation □ Signature Confirmation Restricted Delivery Domestic Return Receipt ■ Agent □ Addresse
2. Article Number Transfer from 2010 4364 05 7018 0040 0000 4364 05 PS Form 3811, July 2015 PSN 7530-02-000-9053 SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you.	Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail® Collect on Delivery Delivery Restricted Delivery I Belivery Restricted Delivery (over \$500) COMPLETE THIS SECTION Of A. Signature X B. Reselved by (Printed Name) D. Is delivery address different fr	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation □ Signature Confirmation □ Restricted Delivery □ Domestic Return Receipt ■ Agent □ Addresse □ C. Date of Deliver □ Main The Confirmation □ Addresse □ Addresse □ C. Date of Deliver
2. Article Number Transfer from 2000 4364 05 7038 0040 0000 4364 05 PS Form 3811, July 2015 PSN 7530-02-000-9053 SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to:	Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail Restricted Delivery Collect on Delivery Delivery Restricted Delivery II Section Mail Restricted Delivery Delivery Restricted Delivery (over \$500) COMPLETE THIS SECTION OF A. Signature X B. Reselved by (Printed Name)	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation □ Signature Confirmation □ Restricted Delivery □ Domestic Return Receipt ■ Agent □ Addresse □ C. Date of Deliver □ Main The Confirmation □ Addresse □ Addresse □ C. Date of Deliver
2. Article Number (Transfer from 2011) 4364 05 7018 0040 0000 4364 05 PS Form 3811, July 2015 PSN 7530-02-000-9053 SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: Cimarex Energy Company	Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail® Collect on Delivery Delivery Restricted Delivery I Belivery Restricted Delivery (over \$500) COMPLETE THIS SECTION Of A. Signature X B. Reselved by (Printed Name) D. Is delivery address different fr	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation □ Signature Confirmation □ Restricted Delivery □ Domestic Return Receipt ■ Agent □ Addresse □ C. Date of Deliver □ Main The Confirmation □ Addresse □ Addresse □ C. Date of Deliver
2. Article Number Transfer from 2011 4364 05 7018 0040 0000 4364 05 PS Form 3811, July 2015 PSN 7530-02-000-9053 SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailplece, or on the front if space permits. Article Addressed to: Cimarex Energy Company 600 N. Mariefeld St., Suite 600	Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail® Collect on Delivery Delivery Restricted Delivery I Belivery Restricted Delivery (over \$500) COMPLETE THIS SECTION Of A. Signature X B. Reselved by (Printed Name) D. Is delivery address different fr	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation □ Signature Confirmation □ Restricted Delivery □ Domestic Return Receipt ■ Agent □ Addresse □ C. Date of Deliver □ Main The Confirmation □ Addresse □ Addresse □ C. Date of Deliver
2. Article Number (Transfer from 2011) 4364 05 7018 0040 0000 4364 05 PS Form 3811, July 2015 PSN 7530-02-000-9053 SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: Cimarex Energy Company	Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail® Collect on Delivery Delivery Restricted Delivery I Belivery Restricted Delivery (over \$500) COMPLETE THIS SECTION Of A. Signature X B. Reselved by (Printed Name) D. Is delivery address different fr	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation □ Signature Confirmation □ Restricted Delivery □ Domestic Return Receipt ■ Agent □ Addresse □ C. Date of Deliver □ Main The Confirmation □ Addresse □ Addresse □ C. Date of Deliver
2. Article Number Transfer from 2011 4364 05 7018 0040 0000 4364 05 PS Form 3811, July 2015 PSN 7530-02-000-9053 SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailplece, or on the front if space permits. Article Addressed to: Cimarex Energy Company 600 N. Mariefeld St., Suite 600	Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail® Collect on Delivery Delivery Restricted Delivery I Belivery Restricted Delivery (over \$500) COMPLETE THIS SECTION Of A. Signature X B. Reselved by (Printed Name) D. Is delivery address different fr	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation □ Signature Confirmation □ Restricted Delivery □ Domestic Return Receipt ■ Agent □ Addresse □ C. Date of Deliver □ Main The Confirmation □ Addresse □ Addresse □ C. Date of Deliver
2. Article Number Transfer from 2011 4364 05 7018 0040 0000 4364 05 PS Form 3811, July 2015 PSN 7530-02-000-9053 SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailplece, or on the front if space permits. Article Addressed to: Cimarex Energy Company 600 N. Mariefeld St., Suite 600	Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail Restricted Delivery Delivery Delivery Restricted Delivery New York Part Adult B. Received by (Printed Name) D. Is delivery address different fr If YES, enter delivery address 3. Service Type	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation □ Signature Confirmation Restricted Delivery □ Domestic Return Receipt □ Agent □ Addresse □ C. Date of Deliver □ Wes
2. Article Number Transfer from 2000 4364 05 7038 0040 0000 4364 05 PS Form 3811, July 2015 PSN 7530-02-000-9053 SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: Cimarex Energy Company 600 N. Mariefeld St., Suite 600 Midland, TX 79701	Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail Restricted Delivery Collect on Delivery Delivery Restricted Delivery II Service Type Adult Signature Adult Signature Adult Signature Restricted Delivery 3. Service Type Adult Signature Adult Signature Restricted Delivery	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation □ Signature Confirmation Restricted Delivery □ Agent □ Addresse □ C. Date of Deliver □ Mail Express® □ Registered Mail™ □ Registered Mail Restricted
2. Article Number Transfer from 2011 4364 05 7018 0040 0000 4364 05 PS Form 3811, July 2015 PSN 7530-02-000-9053 SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailplece, or on the front if space permits. Article Addressed to: Cimarex Energy Company 600 N. Mariefeld St., Suite 600	□ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Certified Mail Restricted Delivery □ Delivery □ Delivery Restricted Delivery □ Collect on Delivery □ Delivery Restricted Delivery □ Delivery address different fruit of the Signature □ Delivery address different fruit of the Signature □ Delivery address different fruit of the Signature □ Adult Signature □ Adult Signature	□ Registered Mail™ □ Registered Mail Restrict Delivery □ Return Receipt for Merchandise □ Signature Confirmation □ Signature Confirmation Restricted Delivery □ Agent □ Addresse □ C. Date of Deliver □ C. Date of Deliver □ No

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

ENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DEL	IVERY
Complete items 1, 2, and 3.	A. Signature	₽ Agent
Print your name and address on the reverse so that we can return the card to you.	X /(/ / / / /	Addressee
Attach this card to the back of the mailpiece,	B. Begeived by (Printed Name)	C. Date of Delivery
or on the front if space permits.	D. Is delivery address different from ite	1 - / - / - / - / - / - / - / - / - / -
. Article Addressed to:	If YES, enter delivery address belo	ow: Д No
RSC Resources, L.P.		
P.O. Box 83 (5)		
Horseshoe Bay, TX 78657		
		Priority Mail Express® Registered Mail™
	☐ Adult Signature Restricted Delivery ☐	Registered Mail Restricte Delivery
9590 9402 2691 6351 8915 79	Certified Mail Restricted Delivery	Return Receipt for Merchandise
. Article Number (Transfer from service label)	Collect on Delivery Restricted Delivery	Signature Confirmation™ Signature Confirmation
7018 0040 0000 4364 0	Restricted Delivery	Restricted Delivery
(010 0010 0000 1-01 0		100
PS Form 3811, July 2015 PSN 7530-02-000-9053	The second secon	nestic Return Receipt
רבי שנים מונים	The second secon	nestic Return Receipt
PS Form 3811, July 2015 PSN 7530-02-000-9053	Dor	
רבי שנים מונים	COMPLETE THIS SECTION ON D	
SENDER: CO: 375 THIS SECTION Complete items 1, 2, and 3.	COMPLETE THIS SECTION ON D. A. Signature	
SENDER: CO: STE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse	COMPLETE THIS SECTION ON D A. Signature X. Melan Bauth	ELIVERY
SENDER: CO: 3TE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailplece,	COMPLETE THIS SECTION ON D A. Signature X. M. Law Bauth B. Received by (Printed Name)	ELIVERY Agent Addresse C. Date of Deliver
SENDER: CO: 27E THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailplece, or on the front if space permits.	COMPLETE THIS SECTION ON D A. Signature X. Mulgar Bauth B. Received by (Printed Name) Mclan: Barth:	ELIVERY ☐ Addresse C. Date of Deliver & - 20 - / &
SENDER: CO: 375 THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailplece, or on the front if space permits. Article Addressed to:	COMPLETE THIS SECTION ON D A. Signature X. M. Law Bauth B. Received by (Printed Name)	ELIVERY □ Addresse □ C. Date of Deliver & - 20 - / & Item 1? □ Yes
SENDER: CO: 3TE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: The Allar Company	COMPLETE THIS SECTION ON D A. Signature X. Melan Bauth B. Received by (Printed Name) Mclan: Band: D. is delivery address different from	ELIVERY □ Addresse □ C. Date of Deliver & - 20 - / & Item 1? □ Yes
SENDER: CO.: STE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailplece, or on the front if space permits. Article Addressed to: The Allar Company P.O. Box 1567	COMPLETE THIS SECTION ON D A. Signature X. Melan Bauth B. Received by (Printed Name) Mclan: Band: D. is delivery address different from	ELIVERY CAGent Addresse C. Date of Deliver & - 20 - / & Item 1? Yes
SENDER: CO: 3TE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: The Allar Company	COMPLETE THIS SECTION ON D A. Signature X. Melan Bauth B. Received by (Printed Name) Mclan: Band: D. is delivery address different from	ELIVERY □ Addresse □ C. Date of Deliver & - 20 - / & Item 1? □ Yes
SENDER: CO.: STE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailplece, or on the front if space permits. Article Addressed to: The Allar Company P.O. Box 1567	COMPLETE THIS SECTION ON D A. Signature X. Melan Bauth B. Received by (Printed Name) Mclan: Band: D. is delivery address different from	ELIVERY CAGent Addresse C. Date of Deliver & - 20 - / & Item 1? Yes
SENDER: CO.: STE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailplece, or on the front if space permits. Article Addressed to: The Allar Company P.O. Box 1567	COMPLETE THIS SECTION ON D A. Signature X. Melan Built B. Received by (Printed Name) Mclan: Band: D. Is delivery address different from If YES, enter delivery address by	ELIVERY Addresse C. Date of Deliver 8-20-78 item 1? Yes slow: No
SENDER: CO.: STE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailplece, or on the front if space permits. Article Addressed to: The Allar Company P.O. Box 1567	COMPLETE THIS SECTION ON D A. Signature X. M. L. Bouds B. Received by (Printed Name) M. Clan: Bouds D. is delivery address different from if YES, enter delivery address by	Priority Mall Express® Registered Mall™ Registered Mall Restrict
SENDER: CO.: STE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailplece, or on the front if space permits. Article Addressed to: The Allar Company P.O. Box 1567	COMPLETE THIS SECTION ON B A. Signature X. M. La. Bound B. Received by (Printed Name) M. C. R. Bound D. Is delivery address different from If YES, enter delivery address by Adult Signature Restricted Delivery Certified Mail® Certified Mail®	ELIVERY Addresse Addresse C. Date of Deliver & -20 - / & Item 1? Yes Priority Mail Express® Registered Mail™ Registered Mail Restrict Peturn Receipt for
SENDER: CO: 3TE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: The Allar Company P.O. Box 1567 Graham, TX 76450	COMPLETE THIS SECTION ON B A. Signature X. Me. Laure B. Received by (Printed Name) Mc. Laure B. Is delivery address different from fryEs, enter delivery address by the signature address by th	ELIVERY Addresse C. Date of Deliver \$-20 - 1 \$\frac{1}{8} Item 1? Yes Priority Mail Express® Registered Mail Restrict Delivery Return Receipt for Merchandise Signature Confirmation
SENDER: CO:: 3TE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: The Allar Company P.O. Box 1567 Graham, TX 76450 9590 9402 2691 6351 8915 31 2. Article Number (Transfer from service label)	COMPLETE THIS SECTION ON B A. Signature X. Me. Laure B. Received by (Printed Name) Mc. Laure B. Is delivery address different from fryEs, enter delivery address by the signature address by th	☐ Addresse C. Date of Deliver 8-20-/8 item 1? ☐ Yes elow: ☐ No Priority Mail Express® ☐ Registered Mail™ ☐ Registered Mail Restric Delivery ☐ Return Receipt for

R'RENT-ARGUS

AFFIDAVIT OF PUBLICATION

Ad No. 0001258199

HINKLE SHANOR, LLP P.O. BOX 2068

SANTA FE NM 87504

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

08/16/18

Subscribed and sworn before me this 16th of August 2018.

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

My Commission Expires

This is to notify all interested parties, including Chevron North America Exploration and Production Company, MRC Permian Company, Cimarex Energy Co., RSC Resources, L.P., The Allar Company, EG3, Inc., CrownRock Minerals, L.P., John Kyle Thoma, Trustee of the Cornerstone Family Trust, Nestegg Energy Corporation, the Estate of J.F. Forehand, Lost Creek Royalties, LP, Arroyo Resources, LTD, Alisa Ogden, B&G Royalties, Ross Duncan Properties, LLC. CH4NET.com, Ltd, Hold The Door, L.P., TD Minerals, LLC, Sourcing Rock, LLC, the Estate of Edgar D. Smith, Dale Williston Minerals 2011, LP, the Estate of Minnie Reed, Jodie R. Darden, John Reed, Jana B. Crane, Camille R. Allen, the Estate of Elmer Forehand, Charlotte Forehand Albright, Mark Lee Forehand, Jeanne Lynn Forehand, the Estate of Roy Forehand, Elizabeth Forehand Smith, Ann Forehand Langlinais, Susan Ogden Benting, Karen Ogden Cortese, Craig William Ogden, the Benting Revocable Trust u/a/d August 8, 2003 and their heirs and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by COG Operating LLC at 8:15 a.m. on September 6, 2018 in Porter Hall at 1220 South St. Francis Drive, Santa Fe, New Mexico. COG Operating LLC seeks an order pooling all uncommitted mineral interests in the Wolfcamp formation in a standard 640acre horizontal spacing unit comprised of the W/2 of Section 25 and the W/2 of Section 36, Township 25 South, Range 26 East, NMPM, in Eddy County. The horizontal spacing unit is to be dedicated to the Road Runner Federal Com #23H well, which will be horizontally drilled from a surface location in Unit N of Section 36 to a bottom hole location in Unit C of Section 25. The completed interval for the well will be orthodox. Also to be considered will be the cost of drilling and completing the well and the allocation of the cost, the designation of COG Operating LLC as the operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The horizontal spacing unit is located approximately ten (10) miles southeast of Whites City, New Mexico. August 16, 2018



OCD Case No. 16378

COG OPERATING Exhibit #5

COG OPERATING Exhibit #6

COG OPERATING LLC AUTHORITY FOR EXPENDITURE **Drill & Complete**

ROADRUNNER FEDERAL COM #23H SEC 36: 210 FSL & 2180 FWL SEC 25: 200 FIN. & 1980 FWL WOLFCAMP A SHALE 25S 26E 36 Well Name SHL BHL Formation Legal

Prospect State & County Objective Depth TVD

#717055 ATLAS 2526 NEW MEXICO, EDDY DRILL & COMPLETE 18,800 8,956

ost Description angible Costs	Code	PreSpud (PS)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revision	1
-Surface Casing	401	i _T -	\$27,000.00		1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$0.00	\$27,000
-Intermed Csg	402		\$155,000.00				\$0.00	\$155,000
-Production Casing/Liner	403		\$390,000.00				\$0.00	\$390,000 \$75,000
-Wellhead Equip	405		\$75,000.00	647.000.00			\$0.00 \$0.00	\$47,300
-Tubing -Wellhead Equip	504 505			\$47,300.00 \$27,500.00			\$0.00	\$27,500
EQ-Pumping Unit	506			327,300.00		\$96,000,00	\$0.00	\$96,000
Q-Rods	508	1				\$45,000.00	\$0.00	\$45,000
3-Tanks	510				\$93,000.00		\$0.00	\$93,000
3-Flowlines/Pipelines	511				\$85,000.00		\$0.00	\$85,000
3-Htr Trtr/Seprtr	512				\$231,000.00		\$0.00	\$231,000
3-Electrical System/Equipment	513			400.000.00	\$150,000.00		\$0.00 \$0.00	\$150,000 \$66,000
Pckrs/Anchors/Hgrs	514			\$65,000.00	\$190,000.00		\$0.00	\$190,000
3-Couplings/Fittings/Valves	515 516				\$135,000.00		\$0.00	\$135,000
3-Gas Lift/Compression 3-Pumps-Surface	521				\$16,000.00		\$0.00	\$16,00
3-Meters/Lacts	525				\$32,000.00		\$0.00	\$32,00
3-Flares/Combusters/Emission	526				\$31,000.00		\$0.00	\$31,00
Gas Lift/Compression	527			\$15,000.00			\$0.00	\$15,00
Q-Instrumentation/SCADA/POQ	529					\$7,000.00	\$0.00	\$7,00
Q-Tubing	530					\$5,000.00	\$0.00	\$5,00
Q-Wellhead Equipment	531					\$3,000.00	\$0.00	\$3,00
Q-Pumps	532					\$5,000.00	\$0.00	\$5,00
EQ-Electrical System	533					\$15,000.00	\$0.00	\$15,00
Q-Packers/Anchors/Hangers	534					\$70,000.00	\$0.00	\$70,00 \$3,00
EQ-Miscellaneous	535		****		2000 000 01	\$3,000.00	\$0.00	
otal Tangible Costs	1	\$0.00	\$647,000.00	\$155,800.00	\$963,000.00	\$249,000.00	- 20.00	\$2,014,80
tangible Costs				,		·	en oc 1	\$9.00
S-Title/Permits	201	\$9,000.00 \$2,500.00					\$0.00	\$9,00 \$2,50
Insurance S-Damages/ROW	202	\$15,000.00					\$0.00	\$15,00
S-Survey/Stake Lctn	203	\$1,000.00					\$0.00	\$1,00
-Lctn/Pits/Roads	205	Ç.,000.00	\$135,000,00				\$0.00	\$135,00
-Drilling Overhead	206		\$9,600.00				\$0.00	\$9,60
-Daywork Contract	209		\$756,000.00				\$0.00	\$756,00
-Directional Drlg Services	210		\$333,000.00				\$0.00	\$333,00
-Fuel & Power	211		\$183,000.00				\$0.00	\$183,00
-Water	212		\$55,000.00				\$0.00	\$55,00
Bits	213		\$110,000.00				\$0.00	\$110,00
Mud & Chemicals	214		\$200,000.00				\$0.00	\$200,00
-Cement Surface	217		\$22,000.00		 		\$0.00 \$0.00	\$22,00 \$100,00
-Cement Intermed	218		\$100,000.00		 		\$0.00	\$110,00
-Prod-2nd Int Cmt -Float Equipment & Centralizers	219 221		\$110,000.00 \$75,000.00				\$0.00	\$75,00
-Float Equipment & Centralizers -Csg Crews & Equip	221	-	\$55,000.00		 		\$0.00	\$55,00
-Cog Crews & Equip -Contract Labor	225		\$15,000.00				\$0.00	\$15,00
-Company Sprvsn	226		\$57,600.00				\$0.00	\$57,60
-Contract Sprvsn	227		\$109,000.00				\$0.00	\$109,00
-Tstg Csg/Tbg	228		\$55,000.00				\$0.00	\$55,00
-Mud Logging Unit	229		\$36,000.00				\$0.00	\$36,00
-Perf/Wireline Svc	231		\$4,000.00				\$0.00	\$4,00
-Rentals-Surface	235		\$230,000.00				\$0.00	\$230,00
-Rentals-Subsrfc	236		\$180,000.00				\$0.00	\$180,00
-Trucking/Forklift/Rig Mob	237		\$135,000.00				\$0.00	\$135,00
-Welding Services	238		\$3,500.00				\$0.00 \$0.00	\$3,50 \$60,00
-Contingency	243		\$60,000.00		· · · · · · · · · · · · · · · · · · ·		\$0.00	\$330,00
-Envrnmtl/Cisd Loop	244 305		\$330,000.00	\$10,000.00			\$0.00	\$10,00
-Lctn/Pits/Roads -Frac Equipment	305	+		\$1,472,000.00			\$0.00	\$1,472,00
-Frac Chemicals	308	+		\$820,000.00			\$0.00	\$820,00
Frac Proppant	309			\$1,159,000.00			\$0.00	\$1,159,00
-Frac Proppant Transportation	310			\$148,000.00			\$0.00	\$148,00
Fuel & Power	311			\$5,000.00			\$0.00	\$5,00
-Water	312			\$822,000.00			\$0.00	\$822,00
-Bits	313			\$9,000.00			\$0.00	\$9.00
-Mud & Chemicals	314		~ .	\$25,000.00			\$0.00	\$25,00
-Contract Labor	325			\$8,200.00			\$0.00 \$0.00	\$8,20 \$15,00
-Company Sprvsn -Contract Sprvsn	326 327			\$15,000.00 \$214,000.00			\$0.00	\$214,00
-Contract Sprvsn -Tstg Csg/Tbg	327	+		\$214,000.00			\$0.00	\$5,00
-Perf/Wireline Svc	331	+		\$508,000.00			\$0.00	\$508.00
-Stimulation/Treating	332			\$12,000.00			\$0.00	\$12,00
-Completion Unit	333			\$60,000.00			\$0.00	\$60,00
-Rentals-Surface	335			\$296,000.00			\$0.00	\$296.00
-Rentals-Subsrfc	336			\$65,000.00			\$0.00	\$65,00
Trucking/Forklift/Rig Mob	337			\$22,500.00			\$0.00	\$22,50
-Welding Services	338			\$5,000.00			\$0.00	\$5,00
Water Disposal	339			\$60,000.00			\$0.00	\$60,00
-Contingency	343			\$250,000.00			\$0.00	\$250,00
Envmmti/Clsd Loop	344			\$5,000.00			\$0.00 \$0.00	\$5,00 \$455,00
Dyed Diesel	345			\$455,000.00	 		\$0.00	\$435,00
-Coil Tubing	346			\$435,000.00	 		\$0.00	\$435,00
Flowback Crews & Equip	347			\$48,000.00	\$78,000.00		\$0.00	\$78.00
B-Location/Pits/Roads	353				\$180,000.00		\$0.00	\$180,00
B-Contract Labor	356				\$135,000.00		\$0.00	\$135,00
B-Water Disposal	362 374				\$135,000.00	\$6,500.00	\$0.00	\$6,50
EQ-Contract Labor	374	+			+	\$5,000.00	\$0.00	\$5,00
EQ-Contract Supervision EQ-Completion Unit	3/6				 	\$10,800.00	\$0.00	\$10,80
EQ-Completion Offit	383				† · · · · · · · · · · · · · · · · · · ·	\$7,000.00	\$0.00	\$7,00
Q-Trkg/Forklift/Rig Mobilization	385				 	\$3,000.00	\$0.00	\$3,00

Total Gross Cost	\$27,500.00 \$4,005,700.00	\$7,089,500.00	\$1,356,000.00	\$281,300.00	\$0.00	\$12,760,000.00
Note: The above costs are estimates only.	Actual costs will be billed as incurred					
COG Operating LLC						
By:			<u>D</u>	ate Prepared:		
			C	OG Operating LLC		
We approve: % Working Interest			<u>B</u>	y:		
Company. By:						
Printed Name: Title: Date:				his AFE is only an estimat our share of the actual cos		gree to pay

OCD Case No. 16378

COG OPERATING Exhibit #7

COG OPERATING LLC AUTHORITY FOR EXPENDITURE Drill & Complete

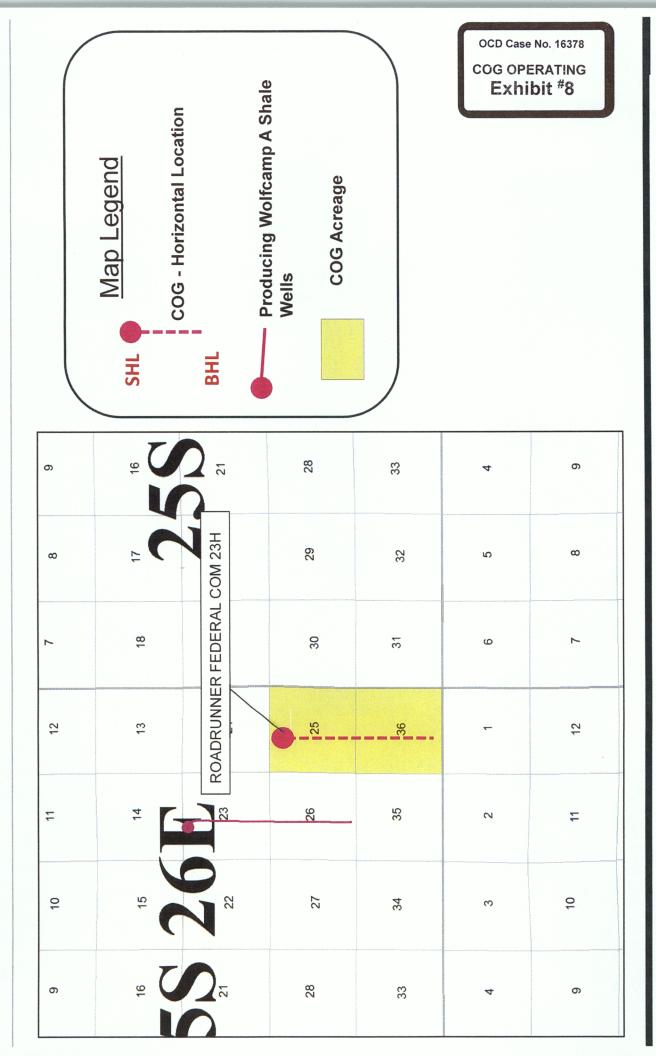
Well Name ROADRUNNER FEDERAL COM 23H
SHL SEC 36: 210 FS & 2180 FW
BHL SEC 25: 200 N & 1980 FW
Formation WOLFCAMP
Legal 25S 26E 36
AFE Numbers NDO17412.NDO17412CM, NDO17412DR, NDO17412PE, NDO17412PS, NDO17412TB

Prospect #717055 ATLAS 2528
State & County NEW MEXICO, EDDY
Objective Drill & Complete
Depth 19,131
TVD 9,422

D-Intermed Csg			*** X98009.10.0 0 . 37	graduate the second sec			
D-Intermed Csg			12.02.10.10.10.10.1				
	101	\$28,000.00				\$0.00	\$28,000.00
D-Production Casino I iner	102	\$513,000.00				\$0.00	\$513,000.00
	103	\$392,000.00				\$0.00	\$392,000.00 \$75,000.00
	105	\$75,000.00	650 400 00			\$0.00	\$52,100.00
	504	ļ	\$52,100.00 \$27,500.00			\$0.00	\$27,500.00
	505	+	\$27,500.00		\$96,000.00	\$0.00	\$96,000.00
	508				\$45,000.00	\$0.00	\$45,000.00
	510	l		\$93,000,00	040,000.00	\$0.00	\$93,000.00
	511			\$65,000.00		\$0.00	\$65,000.00
	12			\$150,000.00		\$0.00	\$150,000.00
	513			\$125,000.00		\$0.00	\$125,000.00
	14		\$86,000.00			\$0.00	\$66,000.00
	515			\$350,000.00		\$0.00	\$350,000.00
	516			\$45,000.00		\$0.00	\$45,000.00
TB-Pumps-Surface	521			\$16,825.00		\$0.00	\$16,825.00
TB-Meters/Lacts	525			\$32,000.00		\$0.00	\$32,000.00
	526			\$63,000.00		\$0.00	\$63,000.00
	527		\$15,000.00			\$0.00	\$15,000.00
	529				\$7,000.00	\$0.00	\$7,000.00
	530				\$5,000.00	\$0.00	\$5,000.00
	531				\$3,000.00	\$0.00	\$3,000.00
	532				\$5,000.00	\$0.00 \$0.00	\$5,000.00 \$15,000.00
	533				\$15,000.00 \$70,000.00	\$0.00	\$70,000.00
	534				\$3,000.00	\$0.00	\$3,000.00
	535	84 008 000 00	6460 600 00	\$939,825.00	\$249,000.00	\$0.00	\$2,357,425.00
Total Tangible Costs	\$0.00	\$1,008,000.00	\$160,600.00	\$333,025.00	4248,000,00	- 00.04	41,001 PLU.00
Intangible Costs	100 \$100 4000		rasing the	or the state of the		. (Step 1)	17 C
	201 \$9,000.00			T		\$0.00	\$9,000.00
	202 \$2,500.00	I				\$0.00	\$2,500.00
	203 \$15,000.00					\$0.00	\$15,000.00
PS-Survey/Stake Lctn	204 \$1,000.00					\$0.00	\$1,000.00
D-Lctn/Pits/Roads	205	\$135,000.00				\$0.00	\$135,000.00
D-Drilling Overhead	206	\$10,200.00				\$0.00	\$10,200.00
	209	\$855,000.00				\$0.00	\$855,000.00
	210	\$342,000.00				\$0.00	\$342,000.00
	211	\$194,000.00				\$0.00	\$194,000.00
	212	\$55,000.00				\$0.00 \$0.00	\$55,000.00 \$118,000.00
	213	\$118,000.00			-	\$0.00	\$250,000.00
	214	\$250,000.00 \$22,000.00				\$0.00	\$22,000.00
	217	\$40,000.00				\$0.00	\$40,000.00
	218	\$185,000.00				\$0.00	\$185,000.00
	221	\$75,000.00				\$0.00	\$75,000.00
	222	\$60,000.00				\$0.00	\$60,000.00
	224	\$10,200.00				\$0.00	\$10,200.00
	225	\$6,500.00				\$0.00	\$6,500.00
	226	\$61,200.00				\$0.00	\$61,200.00
	227	\$146,000.00				\$0.00	\$146,000.00
	228	\$30,000.00				\$0.00	\$30,000.00
	229	\$42,000.00				\$0.00	\$42,000.00
	231	\$4,000.00				\$0.00	\$4,000.00
D-Rentals-Surface	235	\$230,000.00				\$0.00	\$230,000.00
D-Rentals-Subsrfc	236	\$180,000.00				\$0.00	\$180,000.00
	237	\$250,000.00				\$0.00	\$250,000.00
	238	\$3,000.00				\$0.00	\$3,000.00
	243	\$68,000.00				\$0.00	\$68,000.00
	244	\$330.000.00	245 222 22			\$0.00 \$0.00	\$330,000.00 \$10,000.00
	305	 	\$10,000,00			\$0.00	\$15,000.00
	306	 	\$15,000.00 \$1,796,000.00			\$0.00	\$1,796,000.00
	307		\$464,000.00			\$0.00	\$484,000.00
	309	+	\$397,000.00			\$0.00	\$397,000.00
	310		\$392,000.00			\$0.00	\$392,000.00
	311		\$68,000.00		***************************************	\$0.00	\$68,000.00
	312	1	\$947,000.00			\$0.00	\$947,000.00
	313		\$9,000.00			\$0.00	\$9,000.00
C-Mud & Chemicals	314		\$25,000.00			\$0.00	\$25,000.00
C-Contract Labor	325		\$8,200.00			\$0.00	\$8,200.00
C-Company Sprvsn	326		\$15,000.00			\$0.00	\$15,000.00
	327		\$268,000.00			\$0.00	\$268,000.00
	328	ļ	\$5,000.00			\$0.00	\$5,000.00
	331		\$577,000.00			\$0.00	\$577,000.00
	332		\$12,000.00			\$0.00	\$12,000.00
	333	_	\$60,000.00			\$0.00	\$60,000.00 \$385,000.00
	335	ļ	\$385,000.00			\$0.00	\$75,000.00
	336		\$75,000.00			\$0.00 \$0.00	\$22,500.00
	337		\$22,500.00			\$0.00	\$5,000.00
	338	<u> </u>	\$5,000.00			\$0.00	\$60,000.00
	339	-	\$60,000.00			\$0.00	\$250,000.00
	343	 	\$250,000.00			\$0.00	\$5,000.00
	344	 	\$5,000.00 \$476,000.00	 		\$0.00	\$476,000.00
	345	1		<u> </u>		\$0.00	\$700,000.00
C-Drillout	346	-	\$700,000.00	 		\$0.00	\$48,000.00
C-Flowback Crews & Equip	347		\$48,000.00	\$40,000.00		\$0.00	\$40,000.00
LIN LOCATION/DITE/DOCAL	353	+		\$225,000.00		\$0.00	\$225,000.00
TB-Location/Pits/Roads	356	 		\$225,000.00		\$0.00	\$38,000.00
TB-Contract Labor							
TB-Contract Labor TB-Rentals-Surface	359			een nan an		g sn on i	São non do l
TB-Contract Labor TB-Rentals-Surface TB-Welding Services	361			\$60,000.00 \$135,000.00		\$0.00 \$0.00	\$60,000.00 \$135,000.00
TB-Contract Labor TB-Rentals-Surface TB-Welding Services TB-Water Disposal	361 362			\$60,000.00 \$135,000.00	\$6,500,00	\$0.00	\$135,000.00
TB-Contract Labor TB-Rentals-Surface TB-Welding Services	361				\$6,500.00 \$5,000.00		

		Note: The above costs are estimates only. Actual costs will be billed as incurred.									
Total Gross Cost		\$27,500.00	\$4,710,100.00	\$7,255,300.00	\$1,437,825.00	\$281,300.00	\$0.00	\$13,712,025.00			
Total Intangible Costs		\$27,500.00	\$3,702,100.00	\$7,094,700.00	\$498,000.00	\$32,300.00	\$0.00	\$11,354,600.00			
PEQ-Trkg/Forklift/Rig Mobilization	385					\$3,000.00	\$0.00	\$3,000.00			
PEQ-Rentals-Surface	383		ll	1		\$7,000.00	\$0.00	\$7,000.00			

Total Gross Cost	\$27,500.00	34,/10,100.00	\$1,200,300.00	\$1,437,625.00	\$261,300.00	40.00	\$13,712,028.00
Note: The above costs are estimates of	nly. Actual costs will t	be billed as incurre	d.	·			
COG Operating LLC							
Ву:		=			Date Prepared		
					COG Operating LLC		
We approve: <u>% Working Interest</u>					Ву:	- Access	
Company: By:		<u>.</u>					
Printed Name: Title: Date:	2.4.1777.	<u>-</u>			This AFE is only an estimate your share of the actual control		ou agree to pay









OCD Case No. 16378
COG OPERATING
Exhibit #11

Stratigraphic Cross Section A – A'

