DISTRICT I

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

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

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

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

□ AMENDED REPORT

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

WELL LOCATION AND ACREAGE DEDICATION PLAT Pool Name API Number Pool Code Well Number Property Code Property Name TIGERCAT FEDERAL COM 4H Elevation OGRID No. Operator Name COG OPERATING, LLC 3323.9

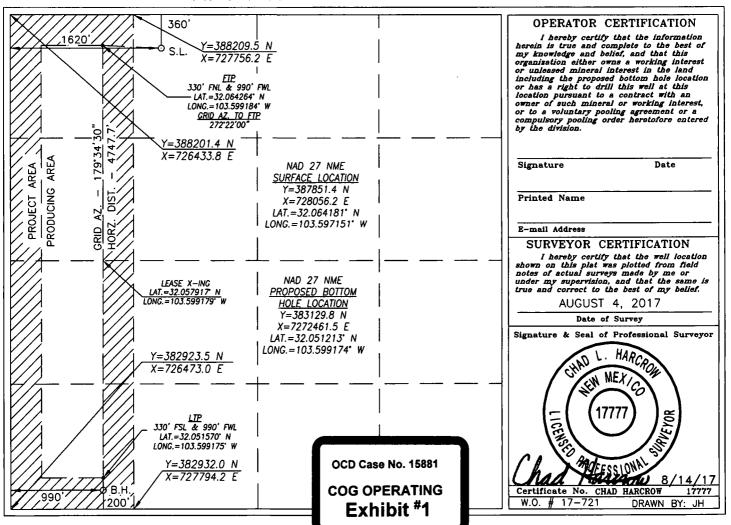
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
С	8	26-S	33-E		360	NORTH	1620	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section 8	Township 26-S	Range 33-E	Lot Idn	Feet from the 200	North/South line SOUTH	Feet from the	East/West line WEST	County LEA
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



COG - Tigercat Federal Com 4H

 $\mbox{W}\mbox{\%}\mbox{W}\mbox{\%}$ Section 8, Township 26 South, Range 33 East, N.M.P.M. Limited in depth to the Bone Spring Formation

	Secti	
Tract 1		
Tract 2		

	Total	100.000000%
MidCon Land Services, LLC		1.250000%
Tap Rock Resources, LLC		2.500000%
Meco IV, LLC		2.165625%
Sagerush Interest, LLC		2.165625%
Bradley S. Bates		3.850000%
RSC Resources, L.P.		10.106250%
Concho Oil & Gas LLC		19.490625%
COG Operating LLC		58.471875%

MidCon Land Services, LLC		0.625000%
Tap Rock Resources, LLC		1.250000%
Meco IV, LLC		1.082813%
Sagebrush Interests, LLC		1.082813%
Bradley S. Bates		1.925000%
RSC Resources, L.P.		5.053125%
Concho Oil & Gas LLC		9.745313%
Occidental Permian Ltd.		50.000000%
COG Operating LLC		29.235936%
	Occidental Permian Ltd. Concho Oil & Gas LLC RSC Resources, L.P. Bradley S. Bates Sagebrush Interests, LLC Meco IV, LLC Tap Rock Resources, LLC	COG Operating LLC Occidental Permian Ltd. Concho Oil & Gas LLC RSC Resources, L.P. Bradley S. Bates Sagebrush Interests, LLC Meco IV, LLC Tap Rock Resources, LLC

	Oxy Permian LP		100.000000%
		Total	100.000000%
Jnit V	Norking Interest		
	COG Operating LLC		29.235936%
	Occidental Permian Ltd.		50.000000%
	Concho Oil & Gas LLC		9.745313%
	RSC Resources, L.P.		5.053125%
	Bradley S. Bates		1.925000%
	Sagebrush Interests, LLC		1.082813%
	Meco IV, LLC		1.082813%
	Tap Rock Resources, LLC		1.250000%
	MidCon Land Services, LLC		0.625000%
		Total	100.000000%

Record Title Owner Tract 1		
COG Operating LLC		96.250000%
Tap Rock Resources, LLC		2.500000%
MidCon Land Services, LLC		1.250000%
	Total	100.000000%

Record Title Owner Tract 2		
Occidental Permain Ltd.		100.000000%
	Total	100.000000%

ecord Title Owner Tract 3		
Occidental Permain Ltd.		100.000000%
	Total	100.000000%

Uncommitted Working Interest Owners / Record Title Owners

OCD Case No. 15881

COG OPERATING
Exhibit #2



Certified Mail Return Receipt Requested Luke Bedrick, CPL

Senior Landman COG Operating LLC One Concho Center 600 W. Illinois Avenue Midland, Texas 79701

Main: 432-683-7443 Direct: 432-686-3000 LBedrick@concho.com

September 18, 2017

Working Interest Owners - Attached Listing

Re: Well Proposal - Tigercat Federal Com 4H

Section 8: W½W½

Township 26 South, Range 33 East, N.M.P.M.

SHL: 360' FNL & 1620' FWL, or a legal location in Unit C BHL: 200' FSL & 990' FWL, or a legal location in Unit M

Lea County, New Mexico

Gentlemen:

COG Operating LLC ("COG"), as Operator, hereby proposes to drill the Tigercat Federal Com 4H well as a horizontal well at the above-captioned location, or at a legal location as approved by the governing regulatory agency, to a TVD of approximately 10,216' and a MD of approximately 14,700' to test the Bone Spring formation ("Operation"). The total cost of the Operation is estimated to be \$6,626,100.00, and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

COG is proposing to drill this well under the terms of the AAPL Form 610-1989 Operating Agreement which is enclosed for your review and approval. The Operating Agreement covers the W½W½ of Section 8, T26S-R33E, Lea County, New Mexico ("Contract Area") and contains general provisions:

- 100% / 300% Non-consenting penalty
- \$7,000/\$700 Drilling and Producing rate
- COG Operating LLC named as Operator

Please indicate your participation election in the space provided on page 2, sign and return this letter, along with a signed copy of the enclosed AFE and a copy of your geologic well requirements. A self-addressed, postage paid envelope is enclosed for your convenience. If you do not wish to participate, COG proposes to acquire your interest via term assignment. It has the following general provisions:

- 3 year primary term
- Delivering a 80% NRI, proportionately reduced
- \$750 per net acre bonus consideration

The Term Assignment offer terminates October 30, 2017 and is subject to the approval of COG's management and verification of title.

OCD Case No. 15881
COG OPERATING
Exhibit *3

1 | P 432 683,7443 | F 432 22 1-0856

Tigercat Federal Com 4H September 18, 2017 Page 2

If an agreement cannot be reached 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 uncommitted at such time.

If you have any questions, please do not hesitate to contact the undersigned at (432) 686-3000.

Respectfully,	
COG OPERATING LI	h;ch
Luke Bedrick Senior Landman Northern Delawar	e Basin – East
LB:lr	
Encl.	
	I/we hereby elect to participate in the Tigercat Federal Com 4H. I/we hereby elect <u>not to</u> participate in the Tigercat Federal Com 4H.
Company or Individual Name:	
By:	
Name:	
Title:	
Date:	

Tigercat Federal Com 4H September 18, 2017 Page 3

Working Interest Owners

Certified Mail 91 7199 9991 7038 2027 4476

Occidental Permian Ltd. 5 East Greenway Plaza Houston, Texas 77046

Certified Mail 91 7199 9991 7038 2027 4438

RSC Resources, L.P. 6824 Island Circle Midland, Texas 79707

Certified Mail 91 7199 9991 7038 2027 4315

Bradley S. Bates 101 Blackberry Court Midland, Texas 79705

Certified Mail 91 7199 9991 7038 2027 4391

Sagebrush Interests, LLC 2450 Fondren, Suite 112 Houston, Texas 77063

Certified Mail 91 7199 9991 7038 2027 4278

Meco IV, LLC 1200 17th Street, Suite 975 Denver, Colorado 80202

Certified Mail 91 7199 9991 7038 2027 4353

Tap Rock Resources, LLC 602 Park Point Drive, Suite 200 Golden, Colorado 80401

Certified Mail 91 7199 9991 7038 2027 4230

MidCon Land Services LLC 4401 South Lewis Place Tulsa, Oklahoma 74105 Package ID: 9171999991703820274476

Confirmation
Services

Package ID: 9171999991703820274476

Customer Reference:
Recipient: CAC
Address:

PBP Account #: 41592288

Serial #: 1396235

SEP 19 2017 2:04 PM

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 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 malipiece, or on the front if space permits. 	A. Signature X
Article Addressed to:	D. Is delivery address different from its/n-17 Yes If YES, enter delivery address below:
CCIDENTAL PERMIAN LTD.	
5 East Greenway Plaza	
Houston, TX 77046	
	Service Type
Houston, TX 77046	☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail® ☐ Certified Mail® ☐ Certified Mail® ☐ Cellect on Delivery ☐ Cellect on Delivery ☐ Cellect on Delivery ☐ Cellect on Delivery
Houston, TX 77046 Tinercat #4H Well Proposal	□ Adult Signature □ Adult Signature Restricted Delivery □ Certified Mail® □ Certified Mail Restricted Delivery □ Certified Mail Restricted Delivery □ Registered Mail Restricted Delivery □ Registered Mail Restricted Delivery □ Registered Mail Restricted Delivery

Package ID: 9171999991703820274438 Electronic Certified Destination ZIP Code: 79707 Priority Envelope or package Customer Reference:

Recipient: 125C PBP Account #: 41592288 Serial #: 1396235 SEP 19 2017 2:06 PM

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 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 malipiece, or on the front if space permits. 	A. Signature X. D. Agent B. Received by (Period Name) C. Date of Delivery
Article Addressed to:	D. Is delivery address different from item 1? Yes ES, enter delivery address below: No
RSC RESOURCES, L. 6824 Island Circle	ES, dital delivery address books.
Midland, TX 79707	
Tigercat #4H Well Proposal_	Co Type □ Priority Mail Express® □ Adult Signature □ Registered Mail™ □ Adult Signature Restricted Delivery ortified Mail® □ Registered Mail Restricted Delivery
9590 9402 3057 7124 4770 00	ertified Mail Restricted Delivery □ Collect on Delivery □ Collect on Delivery
2. Article Number (Transfer from service label) 91. 7199 9991 7038 2027	☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation ☐ Signature Confirmation ☐ Signature Confirmation ☐ Restricted Delivery
PS Form 3811, July 2015 PSN 7530-02-000-9058	Domestic Return Receipt

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 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 malipiece, or on the front if space permits. 	A. Signature Agent Addressee B. Received by (Printed Name) C. Date of Delivery
1. Article Addressed to:	D. is delivery address different from item 1? ☐ Yes enter delivery address below: ☐ No
BRADLEY S. BATES	
101 Blackberry Court	
Midland, TX 79705	
Tigercat #4H Well Proposa	☐ Adult Signature ☐ Registered Mail™ ☐ Adult Signature Restricted Delivery ☐ Registered Mail Restricted
9590 9402 3057 7124 4777 77 2,444 1,144 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	☐ Cartified Mail® Delivery ☐ Cortified Mail Restricted Delivery ☐ Collect on Delivery Restricted Delivery ☐ Collect on Delivery Restricted Delivery ☐ 315 ad Delivery ☐ Signature Confirmation Restricted Delivery Restricted Delivery

Package ID: 9171999991703820274315

Destination ZIP Code: 79705 Customer Persence:

Recipient:

PS Form 3811, July 2015 PSN 7530-02-000-8053

Address:

Confirmation

Services

Electronic Certified

Serial #: 1396235

SEP 19 2017 2:15 PM

Priority Envelope or package

Domestic Return Receipt

PBP Account #: 41592288

Electronic Certified Priority Envelope or package

PBP Account #: 41592288 Serial #: 1396235 SEP 19 2017 2:15 PM

9171999991703820274391

9171999991703820274391

Delivered:

HOUSTON, TX 77063 on September 21, 2017 at 1:28 pm

Expected Delivery on:

On Time: Thursday, September 21, 2017 by 8:00pm

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON	DELIVERY
 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 malipiece, or on the front if space permits. Article Addressed to: 	A Signature Mun Harulto B. Preceived by Printed Name) Aurel Harult	Agent Addresses C. Date of Delivery Cl 2 2 1 7
· diministration (v.	D. Is delivery address different from the delivery address	
MECO IV, LLC 1200 17th Street, Suite 97 Denver, Colorado 80202		
Tidercat #4H Well Proposa	pe □ Adult Signature □ Adult Signature □ Adult Signature Restricted Delivery artified Mail® □ Jertified Mail Restricted Delivery	☐ Priority Mail Express® ☐ Registered Mail™ ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery ☐ Return Receipt for
9590 9402 3057 7124 4770 25 2. Article Number (Transfer from service label)	☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery	Merchandise ☐ Signature Confirmation™
71 7199 9991 7038 2027	4278 ted Delivery	Signature Confirmation Restricted Delivery
PS Form 3811, July 2015 PSN 7530-02-000-9053		Domestic Return Receipt

Address: Serial #: 1396235 SEP 19 2017 2:17 PM COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION ■ Complete Items 1, 2, and 3. Agent Print your name and address on the reverse Addres so that we can return the card to you. Date of Delivery Attach this card to the back of the maliplece, or on the front if space permits. 1. Article Addressed to: ivery address different from item 1? nter delivery address below: TAP ROCK RESOURCES, LLC 602 Park Point Drive, Suite 200 Golden, Colorado 80401 Tigercat #4H Well Proposal ... Adult Signature Rich Certified Mails Priority Mail Express®
 Registered Mail*
 Registered Mail Restricted Delivery
 Return Receipt for Merchandise Certified Mail Restricted Delivery
 Collect on Delivery
 Collect on Delivery Restricted Delivery 9590 9402 3057 7124 4/// 33 Signature Confirmation
Signature Confirmation 2. Article Number (Transfer from service tabel) 2027 4353 91 7199 9991 7038 Restricted Delivery

Delivery

Domestic Return Receipt

Resounce

Electronic Certified

First Class Large Envelope

PBP Account #: 41592288

Package ID: 9171999991703820274353

Destination ZIP Code: 80401

Customer Repence

Recipient: /CL

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

Confirmation

Services

		220	Electronic Certified
	Package ID: 9171999991703820274 Destination ZIP Code: 7#105	_	Priority Envelope or package
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Services	Recipient: // // // Address:	<u> </u>	Serial #: 1396235
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i .	<u> </u>		
SENDER	R: COMPLETE THIS SECTION	COMPLETE THIS SECTIO	N ON DELIVERY
	· · · · · · · · · · · · · · · · · · ·	A. Signature	
■ Print y	ete items 1, 2, and 3. our name and address on the reverse	Tytal	Agent
so that	we can return the card to you.	B. Received by (Printed Ma	Addressee C.Dafe of Delivery
	this card to the back of the malipiece, he front if space permits.	DANG S	June 9/28/17
1. Article	Addressed to:	D. la delivery address different er delivery ad	
0.611		· •	interes below: 🔲 140
IVIII	DCON LAND SERVIC	· 	
	4401 South Lewis Pl	lace	
	Tulsa, Oklahoma 74	105	
•	Tigercat #4H Well Pro		☐ Priority Mail Express®
	**************************************	☐ Adult Signature ☐ Adult Signature Restricted Dally	☐ Registered Mail™
0 Č	00 0400 0057 750 505	☐ Certified Mail® ☐ Certified Mail Restricted Deliver	Delivery
2. Article I	90 9402 3057 7124 4/8U 4U	☐ Collect on Delivery	Merchandise sation TM
E. Minister	93		iation Y
PS Form	381		



HINKLE SHANOR LLP

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

November 8, 2017

WRITER:

Gary W. Larson, Partner glarson@hinklelawfirm.com

VIA CERTIFIED MAIL

Occidental Permian LP 5 East Greenway Plaza, #110 Houston, TX 77046

Re:

COG Operating LLC NMOCD Application

Dear Sir or Madam:

Enclosed is a copy of an application for approval of a 160-acre, non-standard spacing and proration unit and compulsory pooling that COG Operating LLC ("COG") has filed with the New Mexico Oil Conservation Division ("the Division"). The proposed non-standard spacing and proration unit is comprised of the W/2 W/2 of Section 8, Township 26 South, Range 33 East, N.M.P.M., Lea County, New Mexico.

This matter (Case No. 15881) is scheduled for hearing at 8:15 a.m. on Thursday, November 30, 2017 in Porter Hall at the Division's offices located at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Occidental Permian LP ("Occidental") 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 Occidental 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 Wednesday, November 22, 2017. 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. Larson

GWL:sm Enclosure OCD Case No. 15881

COG OPERATING Exhibit #4

Tigercat Federal Com 4H Offset Operators

Owner	Address	City	State	Zip	
Occidental Permian LP	5 East Greenway Plaza, #110	Houston	TX	77046	
Bradley S. Bates	101 Blackberry Court	Midland	TX	79705	
BTA Oil Producers	104 S. Pecos	Midland	TX	79701	
Chevron U.S.A. Inc.	1400 Smith St.	Houston	TX	77002	
Cowhouse Crude, L.P.	101 Blackberry Ct.	Midland	TX	79705	
	123 Camino de la Reina				
DGQ Passive Income Partners 1987	Suite 100 South	San Diego	CA	92108	
EnCana Oil & Gas (USA) Inc.	370 17th Street, #1700	Denver	CO	80202	
Endeavor Energy Resources, L.P.	110 N. Marienfield, Suite 200	Midland	TX	79701	
HAP Land LLC	5810 Wilson Road, Suite 270	Humble	TX	77396	
Kaiser-Francis Oil Co.	P.O. Box 21468	Tulsa	OK	74171	
Magnum Hunter Production, Inc.	202 S. Cheyenne Ave. Suite 1000	Tulsa	OK	74103	
Meco IV, LLC	1200 17 th St., Suite 975	Denver	CO	80202	
MidCon Land Services, LLC	P.O. Box 31773	Edmond	OK	73003	
Muleshoe Crude, L.P.	101 Blackberry Ct.	Midland	TX	79705	
Newkumet Exploration, Inc.	P.O. Box 11330	Midland	TX	79702	
Petras Energy, L.P.	P.O. Box 4127	Midland	TX	79704	
RSC Resources, LP	6824 Island Circle	Midland	TX	79707	
Sagebrush Interests, LLC	2450 Fondren, Suite 112	Houston	TX	77063	
Synergy Land Group, LLC	P.O. Box 82009	Lafayette	LA	70598	
Гар Rock Resources, LLC	602 Park Point Drive, Suite 200	Golden	CO	80401	
WBA Resources, Ltd.	110 W. Louisiana, Suite 300	Midland	TX	79701	
West Texas Gas, INC.					
dba WTG Exploration, Inc.	401 W. Wadley Ave.	Midland	TX	79705	

OCD Case No. 15881
COG OPERATING
Exhibit #5



HINKLE SHANOR LLP

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

November 8, 2017

WRITER:

Gary W. Larson, Partner glarson@hinklelawfirm.com

VIA CERTIFIED MAIL

BTA Oil Producers 104 S. Pecos Midland, TX 79701

Re:

COG Operating LLC NMOCD Application

Dear Sir or Madam:

Enclosed is a copy of an application for approval of a 160-acre, non-standard spacing and proration unit and compulsory pooling that COG Operating LLC ("COG") has filed with the New Mexico Oil Conservation Division ("the Division").

The proposed non-standard spacing and proration unit is comprised of the W/2 W/2 of Section 8, Township 26 South, Range 33 East, NMPM, Lea County, New Mexico. The location of the proposed project area is orthodox. BTA Oil Producers' ("BTA") interests are not being pooled, but as the owner of an interest in an offsetting tract, it is entitled to receive notice of COG's application.

This matter (Case No. 15881) is scheduled for hearing at 8:15 a.m. on Thursday, November 30, 2017 in Porter Hall at the Division's offices located at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. BTA is not required to attend this hearing, but as an owner of an interest in an offset tract, it has the right to appear at the hearing and present testimony. If BTA does not appear at the hearing it will be precluded from contesting the matter at a later date.

A party appearing in the case is required by the Division's Rules to file a Pre-Hearing Statement, which in this matter must be filed no later than Wednesday, November 22, 2017. 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. Larson

OCD Case No. 15881

COG OPERATING
Fyhibit #6

GWL:sm Enclosure

PO BOX 10 ROSWELL, NEW MEXICO 88202 575-622-6510 (FAX) 575-623-9332 PO BOX 1720 ARTESIA, NEW MEXICO 88211 575-622-6510 (FAX) 575-746-6316 PO BOX 2068 SANTA FE, NEW MEXICO 87504 505-982-4554 (FAX) 506-982-8623 7801 JEFFERSON ST NE • SUITE 180 ALBUQUERQUE, NEW MEXICO 87109 505-858-8320 (FAX) 505-858-8321

Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

I, Gussie Black, Business Manager 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 November 09, 2017 and ending with the issue dated November 09, 2017.

Business Manager

Sworn and subscribed to before me this 9th day of November 2017.

Administrative Coordinator

My commission expires February 09, 2021

(800



OFFICIAL SEAL
Jennifer Warden
NOTARY PUBLIC - STATE OF NEW MEXICO

My Commission Expires: 02 -09 - 2021

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

LEGAL

LEGAL NOTICE November 9, 2017

This is to notify all interested parties, including Occidental Permian LP, Bradley S. Bates, BTA Oil Producers, Chevron U.S.A.: Inc., Cowhouse Crude, L.P., DGQ Passive Income Partners 1987, EnCana Oil & Gas (USA) Inc., Endeavor Energy Resources, L.P., HAP Land LLC, Kaiser-Francis Oil Co., Magnum Hunter Production, Inc., Meco IV, LLC, MidCon Land Services, LLC, Muleshoe Crude, L.P., Newkumet Exploration, Inc., Petras Energy, L.P., RSC, Resources, L.P., Sagebrush Interests, LLC, Synergy Land Group, LLC, Tap Rock Resources, LLC, WBA Resources, Ltd., West Texas Gas, Inc. dba WTG Exploration, inc. and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by COG Operating LLC (Case No. 15861) at 8:15 a.m. on November 30, 2017 in Porter Hall at 1220 South St. Francis Drive, Santa Fe, New Mexico. COG Operating LLC seeks an order (i) creating a 160-acre, nonstandard oil spacing and proration unit (project area) comprised of the W/2 W/2 of Section 8, Township 26 South, Range 33 East, NMPM, in Lea County, and (ii) pooling all uncommitted mineral interests in the Bone Spring formation underlying this acreage. The project area is to be dedicated to the Tigercat Federal Com #4H horizontal well, which will have a surface location in Unit C and a bottom hole location in Unit M of Section 8, Township 26 South, Range 33 East. The completed interval for the well will be within the 330-foot standard offset required by the Division's rules. 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 proposed project area is located approximately twenty-two (22) miles west of Jal, New Mexico.

02107475

00202433

HINKLE,HENSLEY,SHANOR & MARTIN,LLP PO BOX 2068 SANTA FE, NM 87504

OCD Case No. 15881

COG OPERATING
Exhibit #7

COG OPERATING LLC AUTHORITY FOR EXPENDITURE DRILLING

WELL NAME:	TIGERCAT FEDERAL COM #4H	PROSPECT NAME:	Buildog 2633	
SHL:	360 FNL & 1620 FWL	STATE & COUNTY:	New Mexico, Lea	
BHL:	200 FSL & 990 FWL	OBJECTIVE:	Drill and Complete	
FORMATION:	1st Bone Spring Shale	DEPTH:	14,700	
LEGAL:	Sec. 8, T26S- R33E	TVD:	10,216	

		<u>Drig - Rig</u>				Tank Btty		Pmpa	_
INTANGIBLE COSTS Title/Curative/Permit	201	Release(D) 11,000		Completion(C)		Constrctn(TB)		Equipment(PEQ)	TOTAL 11,000
Insurance	202		302						4,000
Damages/Right of Way	203		303		351				5,000
Survey/Stake Location	204	6,000			352				6,000
Location/Pits/Road Expense	205		305	10,000	353	43,000	386		143,000
Drilling / Completion Overhead	205		306						6,900
Turnkey Contract	207	0							0
Foolage Contract	208	0							- 0
Daywork Contract Directional Oriting Services	209 210	357,000							357,000 150,000
Frac Equipment	210	150,000	307	693,000					693,000
Frac Chemicals			308	248,000					248,000
Frac Proppant			309	548,000					548,000
Frac Proppant Transportation			310	70,000					70,000
Fuel & Power	211		311	3,500	354		387		68,500
Weter	212	88,000	312	411,000			368		499,000
Bits	213	74,000	313	3,000			369		77,000
Mud & Chemicals	214	45,000	314	22,000			370		67,000
Drill Stem Test	215		315						0
Corting & Analysis	218	0							0
Cement Surface	217	37,000							37,000
Cement Intermediate	218	60,000							60,000
Coment 2nd Intermediate/Production	219	95,000					974		95,000
Cement Squeeze & Other (Kickoff Plug) Float Equipment & Centralizers	220 221	40,000					371		40,000
Casing Crews & Equipment	222	33,500							33,500
Fishing Tools & Service	223		323				372		0
Geologic/Engineering	224		323 324		355		373		
Contract Labor	225		325	20,000	358	40,400	374	8,500	73,400
Company Supervision	226		326	30,000	357		375		71,400
Contract Supervision	227	68,000	327	92,000	358		376	5,000	183,000
Testing Casing/Tubing	228	20,000	328	10,000			377		30,000
Mud Logging Unit	229	30,000	329						30,000
Logging	230	0					378		0
Perforating/Wireline Services	231		331	235,000			379		239,000
Stimutation/Treating			332	158,000			380		158,000
Completion Unit			333	35,500			381	8,800	44,300
Swabbing Unit			334				382		0
Rentals-Surface Rentals-Subsurface	235 238		335 336	215,000	359		383 384	7,000	299,000 112,500
Trucking/Forkit/Rig Mobilization	235		337	22,500	380		385	3,000	143,000
Welding Services	238		338	5,000	361		386	3,000	9,000
Water Disposal	239		339	60,000	382	135,000	387		195,000
Plug to Abandon	240		340			100,000	•••		0
Seismic Analysis	241		341						0
Miscellaneous	242		342				389		- 0
Contingency	243	33,700	343	100,000	363		390		133,700
Closed Loop & Environmental	244		344	5,000	384		388		205,000
Dyed Diesel	245		345	195,000					
Coll Tubing			348	55,000					55,000
Flowback Crews & Equip			347	98,000					98,000
Offset Directional/Frac TOTAL INTANGIBLES	248		348	2 204 500		740.400	391		- 0
TOTAL INTARGIBLES		1,840,000		3,384,500		218,400		30,300	5,473,200
TANGIBLE COSTS									
Surface Casing	401	54,000							54,000
Intermediate Casing	402	141,000							141,000
Production Cesting/Liner	403	218,000							218,000
Tubing			504	47,300			530	5,000	52,300
Wellhead Equipment	405	35,000	505	18,700			531	3,000	58,700
Pumping Unit							506	96,000	96,000
Prime Mover							507	0	0
Rods							508	55,000	55,000
Pumps-Sub Surface (BH)			509				532	5,000	5,000
Tanks					510	27,600			27,600
Flowlines Linater Transfer/Separator					511	63,200			63,200
Heater Treater/Separator Electrical System					512 513	105,000	533	15,000	105,000
Packers/Anchors/Hangers	414		614	5,000	313	51,500	534	2,000	
Couplings/Fittings/Valves	415		_,-		515	92,000		2,000	92,000
Dehydration					517				0
Injection Plant/CO2 Equipment					518				
Pumps-Surface					521	9,200			9,200
Instrumentation/SCADA/POC					522		529	7,000	7,000
Miscellaneous	419		519		523		535	3,000	3,000
Contingency	420		520		524		536		
Meters/LACY					525	30,000			30,000
Flares/Combustors/Emission					526	18,400			18,400
Gas Lift/Compression			527	11,000	516	35,000	528		48,000
TOTAL TANGIBLES		448,000		82,000		431,900		191,000	1,152,900
TOTAL WELL COSTS		2,288,000		3,466,500		650,300		221,300	6.626,100
% of Total Well Cost		35%		52%		10%		3%	
COG Operating LLC								3.4	

Date Prepared:

COG Operating LLC

We approve:

__% Working Interest

Company: Occidental Permian Ltd.

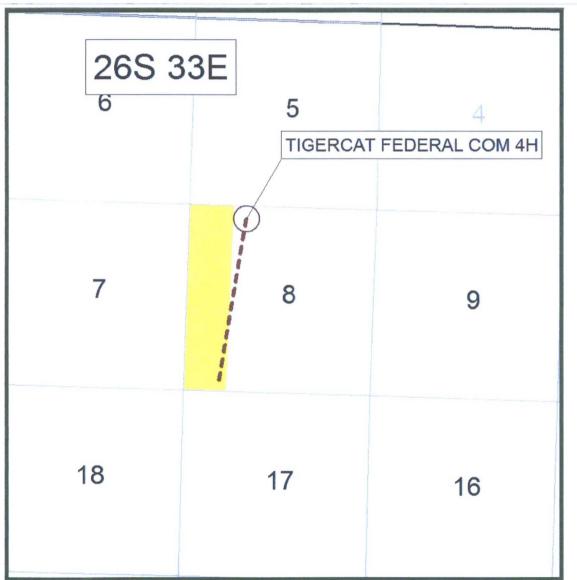
By:

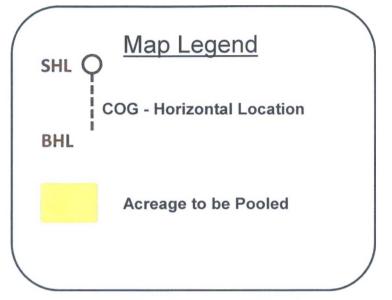
This AFE is only an estimata. By signing you agree to pay your share of the actual costs incurred.

OCD Case No. 15881

COG OPERATING Exhibit #8

Bone Spring Pool Tigercat Federal Com 4H Location

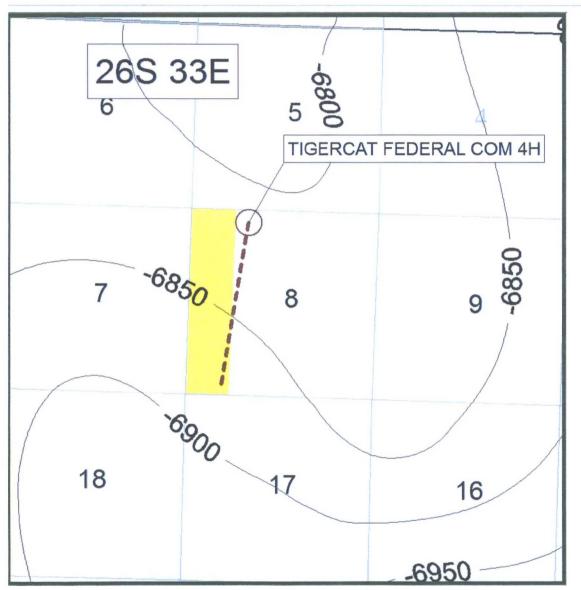


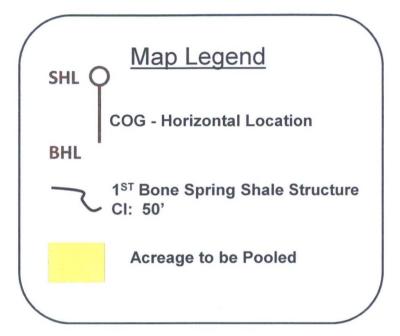






Bone Spring Pool 1ST Bone Spring Shale Structure Map

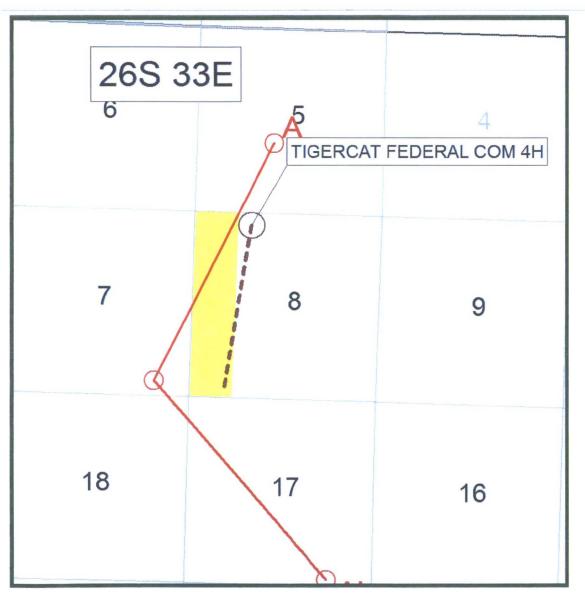


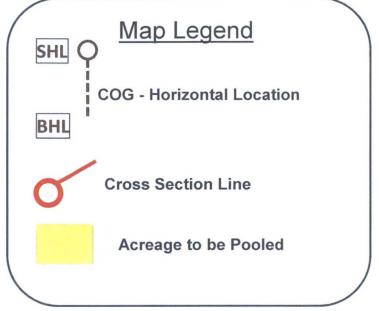






Bone Spring Pool Cross Section Map





COG OPERATING
Exhibit #11



Stratigraphic Cross Section A – A'

