

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

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

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

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

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

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

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number	Pool Code	Pool Name
Property Code	Property Name <b>TIGERCAT FEDERAL COM</b>	Well Number 1H
OGRID No.	Operator Name <b>COG OPERATING, LLC</b>	Elevation 3322.4'

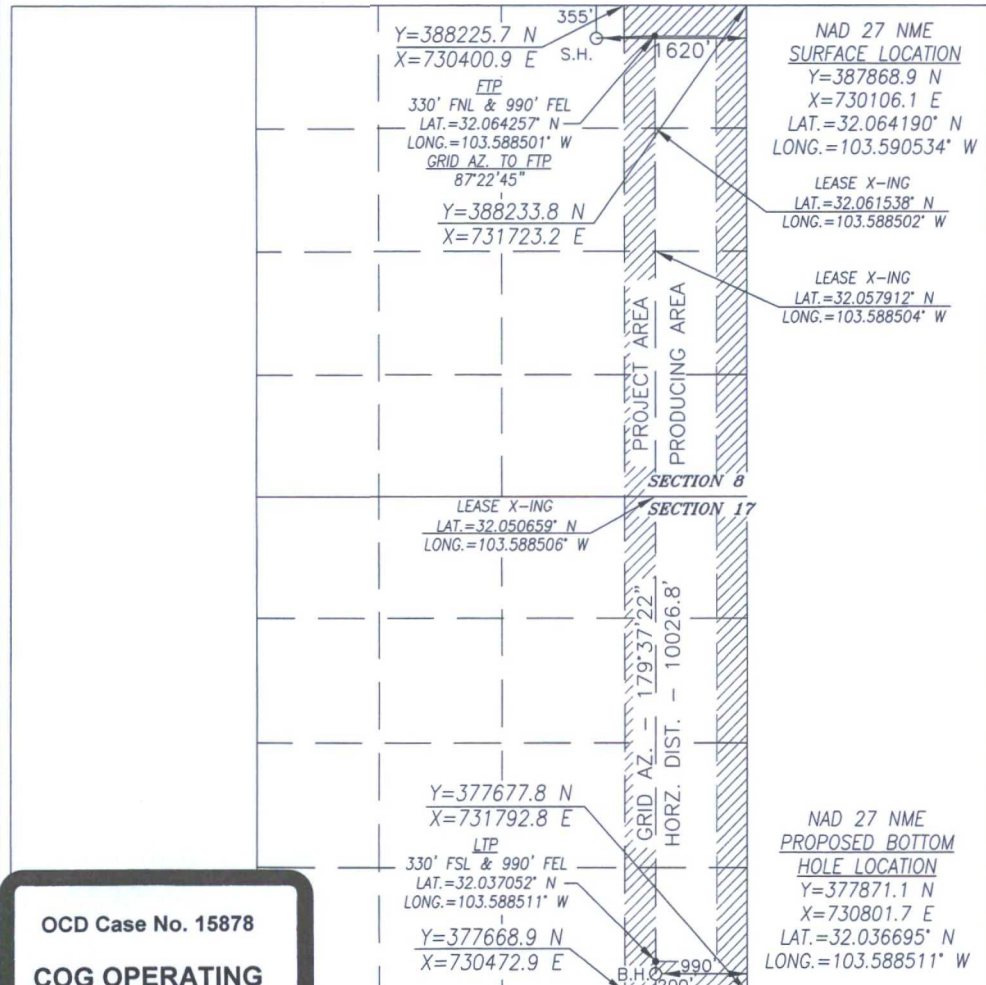
**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	8	26-S	33-E		355	NORTH	1620	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
P	17	26-S	33-E		200	SOUTH	990	EAST	LEA
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>
	<p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>AUGUST 4, 2017</p> <p>Date of Survey _____</p> <p>Signature &amp; Seal of Professional Surveyor</p>
	<p><b>CHAD L. HARCROW</b> NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR</p> <p>9/13/17</p> <p>Certificate No. CHAD HARCROW 17777 W.O. #17-1088 DRAWN BY: AI</p>

OCD Case No. 15878

**COG OPERATING**  
**Exhibit #1**

# COG - Tigercat Federal Com 1H

E½E½ Section 8, Township 26 South, Range 33 East, N.M.P.M.  
E½E½ Section 17, Township 26 South, Range 33 East, N.M.P.M.  
Limited in depth to the Bone Spring Formation

Section 8			Tract 1
			Tract 2
			Tract 3
Section 17			Tract 4

<b>Tract 1: Section 8: NE½NE½ (40.0 acres)</b>	
COG Operating LLC	54.817383%
Concho Oil & Gas LLC	18.272461%
RSC Resources, L.P.	9.474609%
Bradley S. Bates	3.609375%
Sagerush Interest, LLC	2.030273%
Meco IV, LLC	2.030273%
Tap Rock Resources, LLC	8.593750%
MidCon Land Services, LLC	1.171875%
<b>Total</b>	<b>100.000000%</b>

<b>Unit Working Interest</b>	
COG Operating LLC	37.227173%
Occidental Permian Ltd.	37.500000%
Concho Oil & Gas LLC	12.409058%
RSC Resources, L.P.	6.434326%
Bradley S. Bates	2.451172%
Sagebrush Interests, LLC	1.378784%
Meco IV, LLC	1.378784%
Tap Rock Resources, LLC	1.074219%
MidCon Land Services, LLC	0.146484%
<b>Total</b>	<b>100.000000%</b>

<b>Tract 2: Section 8: SE½NE½ (40.0 acres)</b>	
Occidental Permian Ltd.	100.000000%
<b>Total</b>	<b>100.000000%</b>

<b>Tract 3: Section 8: E½SE½ (80.0 acres)</b>	
Occidental Permian Ltd.	100.000000%
<b>Total</b>	<b>100.000000%</b>

<b>Tract 4: Section 17: E½E½ (160.0 acres)</b>	
COG Operating LLC	60.750000%
Concho Oil & Gas LLC	20.250000%
RSC Resources, L.P.	10.500000%
Bradley S. Bates	4.000000%
Sagerush Interest, LLC	2.250000%
Meco IV, LLC	2.250000%
<b>Total</b>	<b>100.000000%</b>

<b>Record Title Owner Tract 1</b>	
COG Operating LLC	90.234375%
Tap Rock Resources, LLC	8.593750%
MidCon Land Services, LLC	1.171875%
<b>Total</b>	<b>100.000000%</b>

<b>Record Title Owner Tract 2</b>	
Occidental Permian Ltd.	100.000000%
<b>Total</b>	<b>100.000000%</b>

<b>Record Title Owner Tract 3</b>	
Occidental Permian Ltd.	100.000000%
<b>Total</b>	<b>100.000000%</b>

<b>Record Title Owner Tract 4</b>	
COG Operating LLC	100.000000%
<b>Total</b>	<b>100.000000%</b>

Uncommitted Working Interest Owners / Record Title Owners

OCD Case No. 15878

**COG OPERATING  
Exhibit #2**





*Certified Mail  
Return Receipt Requested*

Luke Bedrick, CPL  
Senior Landman  
COG Operating LLC  
One Concho Center  
500 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 1H**  
Section 8: E½E½  
Section 17: E½E½  
Township 26 South, Range 33 East, N.M.P.M.  
SHL: 355' FNL & 1620' FEL, or a legal location in Unit B (Sec. 8)  
BHL: 200' FSL & 990' FEL, or a legal location in Unit P (Sec. 17)  
Lea County, New Mexico

Gentlemen:

COG Operating LLC ("COG"), as Operator, hereby proposes to drill the Tigercat Federal Com 1H 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 10,299' and a MD of approximately 19,600' to test the Bone Spring Shale formation ("Operation"). The total cost of the Operation is estimated to be \$10,460,600.00, 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 E½E½ of Section 8 and the E½E½ of Section 17, 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. 15878

**COG OPERATING  
Exhibit #3**

P 432-683-7443 | F 432-221-0856

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 LLC



Luke Bedrick  
Senior Landman  
Northern Delaware Basin – East

LB:lr

Encl.

\_\_\_\_\_ I/we hereby elect to participate in the Tigercat Federal Com 1H.

\_\_\_\_\_ I/we hereby elect not to participate in the Tigercat Federal Com 1H.

Company or  
Individual Name: \_\_\_\_\_

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

Name: \_\_\_\_\_

Title: \_\_\_\_\_

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



Working Interest Owners

*Certified Mail 91 7199 9991 7038 2027 4506*

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

*Certified Mail 91 7199 9991 7038 2027 4469*

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

*Certified Mail 91 7199 9991 7038 2027 4346*

Bradley S. Bates  
101 Blackberry Court  
Midland, Texas 79705

*Certified Mail 91 7199 9991 7038 2027 4421*

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

*Certified Mail 91 7199 9991 7038 2027 4308*

Meco IV, LLC  
1200 17<sup>th</sup> Street, Suite 975  
Denver, Colorado 80202

*Certified Mail 91 7199 9991 7038 2027 4384*

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

*Certified Mail 91 7199 9991 7038 2027 4261*

MidCon Land Services LLC  
4401 South Lewis Place  
Tulsa, Oklahoma 74105

Confirmation Services	Package ID: 9171999991703820274506	Electronic Certified
	Destination ZIP Code: 77046	Priority Envelope or package
	Customer Reference:	PBP Account #: 41592288
	Recipient: <i>Accidental Permian</i>	Serial #: 1396235
	Address: _____	SEP 19 2017 2:25 PM

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Guendora R. S. Jr.</i> C. Date of Delivery <i>9-25-17</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p>
1. Article Addressed to:	

**ACCIDENTAL PERMIAN LTD.**  
**5 East Greenway Plaza**  
**Houston, TX 77046**  
**Tigercat #1H Well Proposal**

9590 9402 3057 7124 4775 62

Article Number (Transfer from service label)

91 7199 9991 7038 2027 4506

<p>Service Type</p> <p><input type="checkbox"/> Adult Signature</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail®</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery</p> <p><input type="checkbox"/> Collect on Delivery</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery</p> <p><input type="checkbox"/> Registered Mail</p> <p><input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Signature Confirmation Restricted Delivery</p>	<p><input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Registered Mail™</p> <p><input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Signature Confirmation Restricted Delivery</p>
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PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

Confirmation Services	Package ID: 9171999991703820274469	Electronic Certified
	Destination ZIP Code: 79707	Priority Envelope or package
	Customer Reference: <i>RSC Resources</i>	PBP Account #: 41592288
	Recipient: _____	Serial #: 1396235
	Address: _____	SEP 19 2017 2:24 PM

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY												
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature <i>[Signature]</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>[Signature]</i> C. Date of Delivery _____</p> <p>Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, enter delivery address below: _____</p>												
<p>1. Article Addressed to:</p> <p><b>RSC RESOURCES, L.P.</b>  <b>6824 Island Circle</b>  <b>Midland, TX 79707</b>  <b>Tigercat #1H Well Proposal</b></p>													
<p>2. PS Form 3811, July 2015 PSN 7530-02-000-9053</p>	<p>Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®												
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™												
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery												
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise												
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™												
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery												
<p>9590 9402 3057 7124 4775 55</p> <p>2. <i>PS Form 3811, July 2015 PSN 7530-02-000-9053</i></p>	<p>91 7199 9991 7038 2027 4469</p> <p>(over \$500) 1 Delivery</p>												

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

Domestic Return Receipt



Confirmation Services	Package ID: 9171999991703820274346	Electronic Certified
	Destination ZIP Code: 79705	Priority Envelope or package
	Customer Reference:	PBP Account #: 41592288
	Recipient: <u>Bradley S Bates</u>	Serial #: 1396235
	Address: _____	SEP 19 2017 2:22 PM

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature <input checked="" type="checkbox"/> <u>Carol Bates</u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: _____	B. Received by (Printed Name) <u>Carol Bates</u>	C. Date of Delivery
	D. Is delivery address different from item 1? <input type="checkbox"/> Yes enter delivery address below: <input type="checkbox"/> No	

BRADLEY S. BATES  
101 Blackberry Court  
Midland, TX 79705  
Tigercat #1H Well Proposal

9590 9402 3057 7124 4777 60

2. Article Number (Transfer from service label)

91 7199 9991 7038 2027 4346

- |   |  |
|---|--|
| <input type="checkbox"/> Adult Signature<br><input type="checkbox"/> Adult Signature Restricted Delivery<br><input type="checkbox"/> Certified Mail®<br><input type="checkbox"/> Certified Mail Restricted Delivery<br><input type="checkbox"/> Collect on Delivery<br><input type="checkbox"/> Collect on Delivery Restricted Delivery | <input type="checkbox"/> Priority Mail Express®<br><input type="checkbox"/> Registered Mail™<br><input type="checkbox"/> Registered Mail Restricted Delivery<br><input type="checkbox"/> Return Receipt for Merchandise<br><input type="checkbox"/> Signature Confirmation™<br><input type="checkbox"/> Signature Confirmation Restricted Delivery |
|---|--|

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

Domestic Return Receipt

Confirmation Services	Package ID: 9171999991703820274421	Electronic Certified
	Destination ZIP Code: 77063	Priority Envelope or package
	Customer Reference:	PBP Account #: 41592288
	Recipient: <u>Sagebrush Interests</u>	Serial #: 1396235
	Address: _____	SEP 19 2017 2:23 PM

**9171999991703820274421**

9171999991703820274421



**Delivered:**

HOUSTON, TX 77063 on September 22, 2017 at 12:16 pm

**Expected Delivery on:**

Friday, September 22, 2017 by 8:00pm



Confirmation Services	Package ID: 9171999991703820274308	Electronic Certified
	Destination ZIP Code: 80202	Priority Envelope or package
	Customer Reference:	PBP Account #: 41592288
	Recipient: <u>Meco IV, LLC</u>	Serial #: 1396235
	Address:	SEP 19 2017 2:22 PM

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>		<p>A. Signature <u>[Signature]</u> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>Karen Hanul</u> C. Date of Delivery <u>9/22/17</u></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Enter delivery address below:</p>	
<p>1. Article Addressed to:</p> <p><b>MECO IV, LLC</b>  <b>1200 17th Street, Suite 975</b>  <b>Denver, Colorado 80202</b>  <b>Tigercat #1H Well Proposal</b></p> <p>9590 9402 3057 7124 4778 21</p>		<p>2. Article Number (Transfer from previous label)</p> <p>91 7199 9991 7038 2027 4308</p>	
<p>PS Form 3811, July 2015 PSN 7530-02-000-9053</p>		<p>Domestic Return Receipt</p>	

Confirmation Services	Package ID: 9171999991703820274384	Electronic Certified Priority Envelope or package
	Destination ZIP Code: 80401	
	Customer Reference: <u>Tap Rock Resources LLC</u>	
	Recipient: <u>Tap Rock Resources LLC</u>	
	Address: _____	PBP Account #: 41592288
		Serial #: 1396235
		SEP 19 2017 2 21 PM

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY			
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature <u>[Signature]</u> <u>Feb 3 5 51</u>	<input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee		
1. Article Addressed to: _____	B. Received by (Printed Name) <u>[Signature]</u>	C. Date of Delivery <u>9/25/17</u>		
	D. Is delivery address different from item 1? <input type="checkbox"/> Yes enter delivery address below: <input checked="" type="checkbox"/> No			
<p><b>TAP ROCK RESOURCES, LLC</b>  602 Park Point Drive, Suite 200  Golden, Colorado 80401  Tigercat #1H Well Proposal</p>				
9590 9402 3057 7124 4777 22 2. Article Number (Transfer from carrier label) <u>91 7199 9991 7038 2027 4384</u>	<table border="0"> <tr> <td> Service Type  <input type="checkbox"/> Adult Signature  <input type="checkbox"/> Adult Signature Restricted Delivery  <input type="checkbox"/> Certified Mail®  <input type="checkbox"/> Certified Mail Restricted Delivery  <input type="checkbox"/> Collect on Delivery  <input type="checkbox"/> Collect on Delivery Restricted Delivery </td> <td> <input type="checkbox"/> Priority Mail Express®  <input type="checkbox"/> Registered Mail™  <input type="checkbox"/> Registered Mail Restricted Delivery  <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Signature Confirmation™  <input type="checkbox"/> Signature Confirmation Restricted Delivery </td> </tr> </table>		Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery
Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery			
PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt				

Confirmation Services	Package ID: 9171999991703820274261	Electronic Certified
	Destination ZIP Code: 74105	Priority Envelope or package
	Customer Reference: <u>Midcom Land Serv.</u>	PBP Account #: 41592288
	Recipient: _____	Serial #: 1396235
	Address: _____	SEP 19 2017 2:20 PM

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature  <input checked="" type="checkbox"/> Agent  <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>Angela</u></p> <p>C. Date of Delivery <u>9/28/17</u></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes          If yes, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p><b>MIDCON LAND SERVICES LLC</b>  <b>4401 South Lewis Place</b>  <b>Tulsa, Oklahoma 74105</b>  <b>Tigercat #1H Well Proposal</b></p> <p>9590 9402 3057 7124 4783 54</p>	<p>Service Type</p> <p> <input type="checkbox"/> Adult Signature  <input type="checkbox"/> Adult Signature Restricted Delivery  <input type="checkbox"/> Certified Mail®  <input type="checkbox"/> Certified Mail Restricted Delivery  <input type="checkbox"/> Collect on Delivery         </p> <p> <input type="checkbox"/> Priority Mail Express®  <input type="checkbox"/> Registered Mail™  <input type="checkbox"/> Registered Mail Restricted Delivery  <input type="checkbox"/> Return Receipt for Merchandise         </p>
<p>2. Address</p>	<p>Information™          Information          Delivery</p>
<p>PS Form 3849</p>	<p>Return Receipt</p>





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

WRITER

Gary W. Larson,  
Partner  
glarson@hinklelawfirm.com

November 6, 2017

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 320-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 E/2 E/2 of Section 8 and the E/2 E/2 of Section 17, Township 26 South, Range 33 East, N.M.P.M., Lea County, New Mexico.

This matter (Case No. 15878) 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. 15878  
**COG OPERATING  
Exhibit #4**

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) 505-982-8623

7601 JEFFERSON ST NE • SUITE 180  
ALBUQUERQUE, NEW MEXICO 87109  
505-858-8320  
(FAX) 505-858-8321

Tigercat Federal Com 1H  
Offset Operators

Owner	Address	City	State	Zip
3MG Corporation	P.O. Box 7698	Tyler	TX	75711
Aaron Breedyk & Rachel Breedyk	P.O. Box 2872	Roswell	NM	88202
AE & J Royalties LLC	460 St. Michael's Dr., Bldg. 300	Santa Fe	NM	87505
Alice Nellie Boedecker	80 South Hoyt Street	Lakewood	CO	80226
Alpar Energy	P.O. Box 1046	Perryton	TX	79070
America West Res. LLC-2	57 West 200 South Suite 400	Salt Lake City	UT	84101
Americawest Resources LLC	P.O. Box 3383	Midland	TX	79702
Amoco Corp.	P.O. Box 301092	Houston	TX	77001
Axis Energy Corporation	P.O. Box 2107	Roswell	NM	88202
Bradley S. Bates	101 Blackberry Court	Midland	TX	79705
Bill Fenn	P.O. Box 1757	Roswell	NM	88202
Bill Fenn & Christine Fenn	P.O. Box 1757	Roswell	NM	88202
Bill Fenn, Trustee	P.O. Box 1757	Roswell	NM	88202
Catheryn Isabella Fenn Trust				
Black Mountain Operating LLC	500 Main St. Suite 1200	Fort Worth	TX	76102
Boedeker Energy Investments LLC	80 Hoyt St.	Lakewood	CO	80226
Broughton Petroleum Inc.	P.O. Box 1389	Sealy	TX	77474
Cat Spring Properties LLC	P.O. Box 450	Sealy	TX	77474
Celle Explorations GmbH Inc	1415 Campbell Rd. Suite 200	Houston	TX	77055
Chad Barbe and Marci Barbe	P.O. Box 2107	Roswell	NM	88202
Charlotte W. Schuman and Karlyn S. Dole, Co-Trustees of the Charlotte W. Schuman Living Trust dated 10-5-1988	2121 Yorktown, #305	Tulsa	OK	74114
Cimarex Energy Co.	1700 Lincoln Street Suite 1800	Denver	CO	80203
CK Finance LLC-1	3511 Edgewater St.	Dallas	TX	75205
ConocoPhillips Co.	600 N. Dairy Ashford Rd	Houston	TX	77079
Cowhouse Crude, L.P.	101 Blackberry Ct.	Midland	TX	79705
Coyote Oil & Gas LLC	P.O. Box 1708	Hobbs	NM	88241
CWM 2000-B II, Ltd.	P.O. Box 7698	Tyler	TX	75711
CWM 2000-B, Ltd.	P.O. Box 7698	Tyler	TX	75711
Daniel P. Schuman and Vida K. Schuman, Co-Trustees of the Daniel P. and Vida K. Schuman Revocable Trust dated April 16, 2014	4401 South Lewis Place	Tulsa	OK	74105
Elanor Coulter and Jean Coulter Clark Revocable Trust	406 North Church Street	Fayette	MO	65248
EM Nominee Partnership Co.	4582 South Ulster St. Parkway Suite 700	Denver	CO	80237

COG OPERATING  
Exhibit #5

OCD Case No. 15878



## Tigercat Federal Com 1H

## Offset Operators

Owner	Address	City	State	Zip
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
Energex, LLC	4425 – 98 <sup>th</sup> Street, Suite 200	Lubbock	TX	79424
ENI Joint Venture 1980-III	485 Madison Avenue	New York	NY	10022
EOG Resources Inc.	P.O. Box 2267	Midland	TX	79702
EOG Resources Inc.	P.O. Box 4362	Houston	TX	77210
Escondido Oil and Gas LLC	P.O. Box 51390	Midland	TX	79710
Estate of Elizabeth R. Sharp	P.O. Box 51470	Midland	TX	79710
Fortune Natural Resources Corp.	6 Carlton Park Ct	Houston	TX	77024
Geodyne Resources Inc. Samson Plaza	Two West 2 <sup>nd</sup> St.	Tulsa	OK	74103
Georgetown Exploration Inc.	707 Travis St. Suite 1700	Houston	TX	77002
GGM Exploration, Inc.	P.O. Box 123610	Fort Worth	TX	76121
HAP Land LLC	5810 Wilson Road, Suite 270	Humble	TX	77396
Holloway Investments, LLC	P.O. Box 1571	Roswell	NM	88202
ITAG Exploration	1415 Campbell Rd. Suite 200	Houston	TX	77055
James M. Fleming	717 17th Street, Suite 2700	Denver	CO	80202
JB & PDIII Partners LLC	P.O. Box 1811	Midland	TX	79702
JSTM Energy Investments	P.O. Box 5061	Midland	TX	79704
JSTM Energy Investments	507 N Marienfield	Midland	TX	79701
Liessa Schuman Wright	5777 Carell Ave	Agoura Hills	CA	91301
Lingen Acquistion Co.	707 Travis St. Suite 1700	Houston	TX	77002
Lyn Charuk	3921 Tanforan Ave.	Midland	TX	79707
Lynx Petroleum Consultants Inc	P.O. Box 1979	Hobbs	NM	88241
Magnum Hunter Production	600 North Marianfeld	Midland	TX	79701
Magnum Hunter Production, Inc.	202 S. Cheyenne Ave. Sutie 1000	Tulsa	OK	74103
Marathon Oil Permian LLC	5555 San Felipe Street	Fort Worth	TX	76102
Marc Schuman	10627 Pictured Rocks Dr.	Peyton	CO	80831
Matthew Schuman	789 Horatio Blvd	Buffalo Grove	IL	60089
May Energy Partners Operating Partnership LTD	800 One Lincoln Center LB8 5400 LBJ Freeway	Dallas	TX	75240
McKay Oil Corp.	P.O. Box 2014	Roswell	NM	88202
Meco IV, LLC	1200 17th Street, Suite 975	Denver	CO	80202
Merih Energy LLC	P.O. Box 1874	Midland	TX	79702
Mewbourne Development Corporation	P.O. Box 7698	Tyler	TX	75711
Mewbourne Energy Partners 13-A, L.P.	P.O. Box 7698	Tyler	TX	75711
Mewbourne Energy Partners 14-A, L.P.	P.O. Box 7698	Tyler	TX	75711



## Tigercat Federal Com 1H

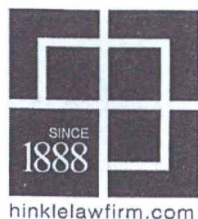
## Offset Operators

Owner	Address	City	State	Zip
Mewbourne Oil Company	3901 South Broadway	Tyler	TX	75701
Mickey Resources LLC	500 N. Shoreline Blvd, Suite 322	Corpus Christi	TX	78401
MidCon Land Services, LLC	P.O. Box 31773	Edmond	OK	73003
Minaco 1980-1 Oil & Gas Program	721 N. Crescent	Beverly Hills	CA	90210
Minoco Oil & Gas Program 1980-1	P.O. Box 2317	Pampa	TX	79066
Montego Capital Fund 3 LTD	P.O. Box 2640	Midland	TX	79702
Muleshoe Crude, L.P.	101 Blackberry Ct.	Midland	TX	79705
Newkumet Exploration, Inc.	P.O. Box 11330	Midland	TX	79702
Nord Petroleum Corp.	9801 Westheimer	Houston	TX	77042
Occidental Permian LP	5 East Greenway Plaza, #110	Houston	TX	77046
Palo Petroleum Inc.	5944 Luther Labe Suite 900	Dallas	TX	75225
PB Fund #1	P.O. Box 1666	Hobbs	NM	88241
PD III Exploration LTD	P.O. Box 871	Midland	TX	79702
Petras Energy, L.P.	P.O. Box 4127	Midland	TX	79704
R&R Royalty Ltd.	500 N. Shoreline Blvd, Suite 322	Corpus Christi	TX	78401
RDC Resources LLC	4904 80 <sup>th</sup> St.	Lubbock	TX	79424
RKI Exploration & Prod. LLC	210 Park AVE Suite 900	Oklahoma City	OK	73102
RSC Resources, LP	6824 Island Circle	Midland	TX	79707
Sagebrush Interests, LLC	2450 Fondren, Suite 112	Houston	TX	77063
Shanley Montara Petrol. Co. and Shanley Petrogas Inc.	5944 Luther Lane Suite 950	Dallas	TX	75225
Sundown Energy LP	111 E Spur 57	Wickett	TX	79756
Talon Oil & Gas III LLC	3131 McKinney Ave. #750	Dallas	TX	75204
Tanna Energy Partners, LP	P.O. Box 50820	Midland	TX	79710
Tap Rock Resources, LLC	602 Park Point Drive, Suite 200	Golden	CO	80401
TDT Diverse LP	16414 San Pedro Suite 340	San Antonio	TX	78232
The Residuary Trust Established Under The Last Will and Testament of Joe Glenn Fenn, Bill Fenn, Trustee	P.O. Box 1757	Roswell	NM	88202
Three Rivers Acquisition LLC	1122 S Capital of Texas Hwy, Suite 325	Austin	TX	78738
Tilden Capital Minerals, LLC	P.O. Box 470857	Fort Worth	TX	76147
Titan Resources LP	500 W Texas St., Suite 200	Midland	TX	79701
Tom McCluskey	913 Goliad Ave.	Midland	TX	79703
True North Exploration Inc.	P.O. Box 5061	Midland	TX	79704
Union Rheinische Petroleum Inc. c/o IBC Petroleum, Inc.	10010 San Pedro Ave., Suite 360	San Antonio	TX	78216

Tigercat Federal Com 1H  
Offset Operators

Owner	Address	City	State	Zip
United New Mexico Trust Dated 8-8-1994 c/o Wells Fargo Private Bank, successor in interest to United New Mexico Trust Company	P.O. Box 1959	Midland	TX	79702
VJ Energy Partners LLC	3701 Fairhaven Ct	Midland	TX	79707
Warrior Exploration	310 W. Wall, Suite 305	Midland	TX	79701
WBA Resources, Ltd.	110 W. Louisiana, Suite 300	Midland	TX	79701





## HINKLE SHANOR LLP

ATTORNEYS AT LAW

PO BOX 2068

SANTA FE, NEW MEXICO 87504

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

WRITER:

Gary W. Larson,  
Partner

glarson@hinklelawfirm.com

November 6, 2017

### VIA CERTIFIED MAIL

3MG Corporation  
P.O. Box 7698  
Tyler, TX 75711

Re: COG Operating LLC NMOCD Application

Dear Sir or Madam:

Enclosed is a copy of an application for approval of a 320-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 E/2 E/2 of Section 8 and the E/2 E/2 of Section 17, Township 26 South, Range 33 East, NMPM, Lea County, New Mexico. The location of the proposed project area is orthodox. 3MG Corporation's ("3MG") 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. 15878) 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. 3MG 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 3MG 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. 15878

**COG OPERATING  
Exhibit #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  
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(FAX) 575-746-6316

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

7601 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.

*Gussie Black*

Business Manager

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

*Jennifer Warden*

Administrative Coordinator

My commission expires  
February 09, 2021  
(Seal)



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 3MG Corporation, Aaron Breedyk & Rachel Breedyk, AE & J Royalties LLC, Alice Nellie Boedecker, Alpar Energy, America West Res. LLC-2, Americawest Resources LLC, Amoco Corp., Axis Energy Corporation, Bradley S. Bates, Bill Fenn, Bill Fenn & Christine Fenn, Bill Fenn, Trustee, Cathryn Isabella Fenn Trust, Black Mountain Operating LLC, Boedecker Energy Investments LLC, Broughton Petroleum Inc., Cat Spring Properties LLC, Celle Explorations GmbH Inc., Chad Barbe and Marci Barbe, Charlotte W. Schuman and Karlyn S. Dole, Co-Trustees of the Charlotte W. Schuman Living Trust dated 10-5-1988, Cimarex Energy Co., CK Finance LLC-1, ConocoPhillips Co., Cowhouse Crude, L.P., Coyote Oil & Gas LLC, CWM 2000-B II, Ltd., CWM 2000-B, Ltd., Daniel P. Schuman and Vida K. Schuman, Co-Trustees of the Daniel P. and Vida K. Schuman Revocable Trust dated April 16, 2014, Elanor Coulter and Jean Coulter Clark Revocable Trust, EM Nominee Partnership Co., EnCana Oil & Gas (USA) Inc., Endeavor Energy Resources, L.P., Energex, LLC, ENI Joint Venture 1980-III, EOG Resources Inc., Escondido Oil and Gas LLC, Estate of Elizabeth R. Sharp, Fortune Natural Resources Corp., Geodyne Resources Inc. Samson Plaza, Georgetown Exploration Inc., GGM Exploration, Inc., HAP Land LLC, Holloway Investments, LLC, ITAG Exploration, James M. Fleming, JB & PDIII Partners LLC, JSTM Energy Investments, Liessa Schuman Wright, Lingen Acquisition Co., Lyn Charuk, Lynx Petroleum Consultants Inc., Magnum Hunter Production, Magnum Hunter Production, Inc., Marathon Oil Permian LLC, Marc Schuman, Matthew Schuman, May Energy Partners Operating Partnership LTD, McKay Oil Corp., Meco IV, LLC, Merih Energy LLC, Mewbourne Development Corporation, Mewbourne Energy Partners 13-A, L.P., Mewbourne Energy Partners 14-A, L.P., Mewbourne Oil Company, Mickey Resources LLC, MidCon Land Services, LLC, Minaco 1980-1 Oil & Gas Program, Minoco Oil & Gas Program 1980-I, Montego Capital Fund 3 LTD, Muleshoe Crude, L.P., Newkumet Exploration, Inc., Nord Petroleum Corp., Occidental Permian LP, Palo Petroleum Inc., PB Fund #1, PD III Exploration LTD, Petras Energy, L.P., R&R Royalty Ltd., RDC Resources LLC, RKI Exploration & Prod. LLC, RSC Resources, LP, Sagebrush Interests, LLC, Shanley Montara Petrol. Co. and Shanley Petrogas Inc., Sundown Energy LP, Talon Oil & Gas III LLC, Tanna Energy Partners, LP, Tap Rock Resources, LLC, TDT Diverse LP, The Residuary Trust Established Under The Last Will and Testament of Joe Glenn Fenn, Bill Fenn, Trustee, Three Rivers Acquisition LLC, Tilden Capital Minerals, LLC, Titan Resources LP, Tom McCluskey, True North Exploration Inc., Union Rheinische Petroleum Inc., c/o IBC Petroleum, Inc., United New Mexico Trust Dated 8-8-1994 c/o Wells Fargo Private Bank, successor in interest to United New Mexico Trust Company, VJ Energy Partners LLC, Warrior Exploration, WBA Resources, Ltd. 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. 15878) 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 320-acre, non-standard oil spacing and proration unit (project area) comprised of the E/2 E/2 of Section 8 and the E/2 E/2 of Section 17, 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 #1H horizontal well, which will have a surface location in Unit B of Section 8 and a bottom hole location in Unit P of Section 17, 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.  
#32227

02107475

00202430

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

OCD Case No. 15878  
COG OPERATING  
Exhibit #7



**COG OPERATING LLC  
AUTHORITY FOR EXPENDITURE  
DRILLING**

WELL NAME: <b>TIGERCAT FEDERAL COM #1H</b>	PROSPECT NAME: <b>Bulldog 2633</b>
SHL: 355 FNL & 1620 FEL (Sec. 8)	STATE & COUNTY: <b>New Mexico, Lea</b>
BHL: 200 FSL & 990 FEL (Sec. 17)	OBJECTIVE: <b>Drill and Complete</b>
FORMATION: <b>1st Bone Spring Shale</b>	DEPTH: <b>19,600</b>
LEGAL: <b>Sec. 8 &amp; 17, T26S- R33E</b>	TVD: <b>10,299</b>

		Drfg - Rig		Completion(C)		Tank Btty		Pmpg		TOTAL
		Release(D)				Constrctn(TB)		Equipment(PEQ)		
<b>INTANGIBLE COSTS</b>										
Title/Cursive/Permit	201	11,000								11,000
Insurance	202	4,000	302							4,000
Damages/Right of Way	203	5,000	303		351					5,000
Survey/Stake Location	204	6,000			352					6,000
Location/Pits/Road Expense	205	120,000	305	10,000	353	43,000	366			173,000
Drilling / Completion Overhead	206	10,200	306							10,200
Turnkey Contract	207	0								0
Footage Contract	208	0								0
Daywork Contract	209	646,000								646,000
Directional Drilling Services	210	206,000								206,000
Frac Equipment			307	1,393,000						1,393,000
Frac Chemicals			308	505,000						505,000
Frac Proppant			309	1,114,000						1,114,000
Frac Proppant Transportation			310	141,000						141,000
Fuel & Power	211	123,000	311	5,000	354		367			128,000
Water	212	105,000	312	780,000			368			885,000
Bits	213	92,000	313	12,000			369			104,000
Mud & Chemicals	214	85,000	314	20,000			370			105,000
Drill Stem Test	215	0	315							0
Coring & Analysis	216	0								0
Cement Surface	217	37,000								37,000
Cement Intermediate	218	60,000								60,000
Cement 2nd Intermediate/Production	219	130,000								130,000
Cement Squeeze & Other (Kickoff Plug)	220	0					371			0
Float Equipment & Centralizers	221	50,000								50,000
Casing Crews & Equipment	222	47,000								47,000
Fishing Tools & Service	223	0	323				372			0
Geologic/Engineering	224	0	324		355		373			0
Contract Labor	225	6,500	325	8,200	356	40,400	374	6,500		61,600
Company Supervision	226	61,200	326	30,000	357		375			91,200
Contract Supervision	227	100,000	327	129,000	358		376	5,000		234,000
Testing Casing/Tubing	228	20,000	328	10,000			377			30,000
Mud Logging Unit	229	38,000	329							38,000
Logging	230	0					378			0
Perforating/Wireline Services	231	4,000	331	457,000			379			461,000
Stimulation/Treating			332	310,000			380			310,000
Completion Unit			333	138,000			381	8,800		146,800
Swabbing Unit			334				382			0
Rentals-Surface	235	140,000	335	275,000	359		383	7,000		422,000
Rentals-Subsurface	236	135,000	336	22,500			384			157,500
Trucking/Forklift/Rig Mobilization	237	150,000	337	40,000	360		385	3,000		193,000
Welding Services	238	4,000	338	5,000	361		386			9,000
Water Disposal	239	0	339	60,000	362	135,000	387			195,000
Plug to Abandon	240	0	340							0
Seismic Analysis	241	0	341							0
Miscellaneous	242	0	342				389			0
Contingency	243	48,100	343	250,000	363		390			298,100
Closed Loop & Environmental	244	250,000	344	5,000	364		388			255,000
Dyed Diesel	245		345	397,000						
Coil Tubing			346	55,000						55,000
Flowback Crews & Equip			347	98,000						98,000
Offset Directional/Frac	248		348				391			0
<b>TOTAL INTANGIBLES</b>		<b>2,695,000</b>		<b>6,269,700</b>		<b>218,400</b>		<b>30,300</b>		<b>9,213,400</b>
<b>TANGIBLE COSTS</b>										
Surface Casing	401	54,000								54,000
Intermediate Casing	402	141,000								141,000
Production Casing/Liner	403	314,000								314,000
Tubing			504	47,300			530	5,000		52,300
Wellhead Equipment	405	35,000	505	22,000			531	3,000		60,000
Pumping Unit				0			506	96,000		96,000
Prime Mover				0			507	0		0
Rods				0			508	55,000		55,000
Pumps-Sub Surface (BH)			509				532	5,000		5,000
Tanks					510	27,600				27,600
Flowlines					511	63,200				63,200
Heater Treater/Separator					512	105,000				105,000
Electrical System					513	51,500	533	15,000		66,500
Packers/Anchors/Hangers	414		514	6,000			534	2,000		8,000
Couplings/Fittings/Valves	415				515	92,000				92,000
Dehydration					517					0
Injection Plant/CO2 Equipment					518					0
Pumps-Surface					521	9,200				9,200
Instrumentation/SCADA/POC					522		529			0
Miscellaneous	419		519		523		535			0
Contingency	420		520		524		536			0
Meters/LACT					525	30,000				30,000
Flares/Combustors/Emission					526	18,400				18,400
Gas Lift/Compression			527	15,000	516	35,000	528			50,000
<b>TOTAL TANGIBLES</b>		<b>544,000</b>		<b>90,300</b>		<b>431,800</b>		<b>181,000</b>		<b>1,247,200</b>
<b>TOTAL WELL COSTS</b>		<b>3,239,000</b>		<b>6,360,000</b>		<b>650,300</b>		<b>211,300</b>		<b>10,460,600</b>
		% of Total Well Cost		31%	61%	6%	2%			

COG Operating LLC

Date Prepared:

COG Operating LLC

We approve:  
\_\_\_\_\_% Working Interest

By:

Company: Occidental Permian Ltd.  
By:

Printed Name:

Title:

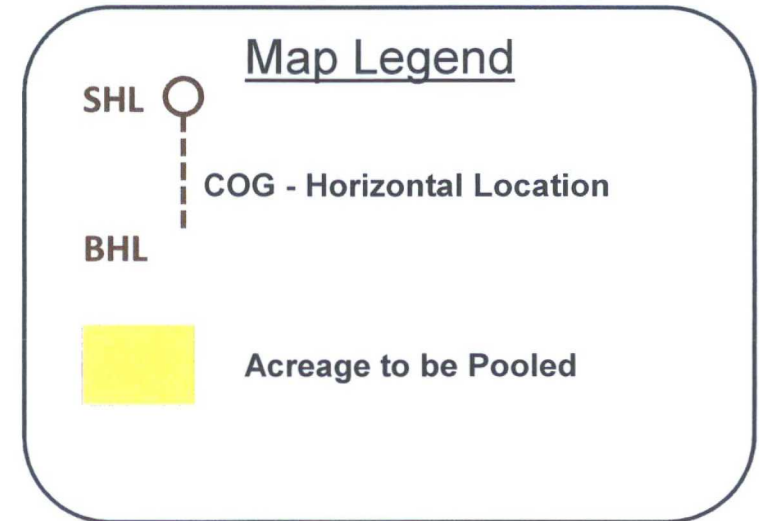
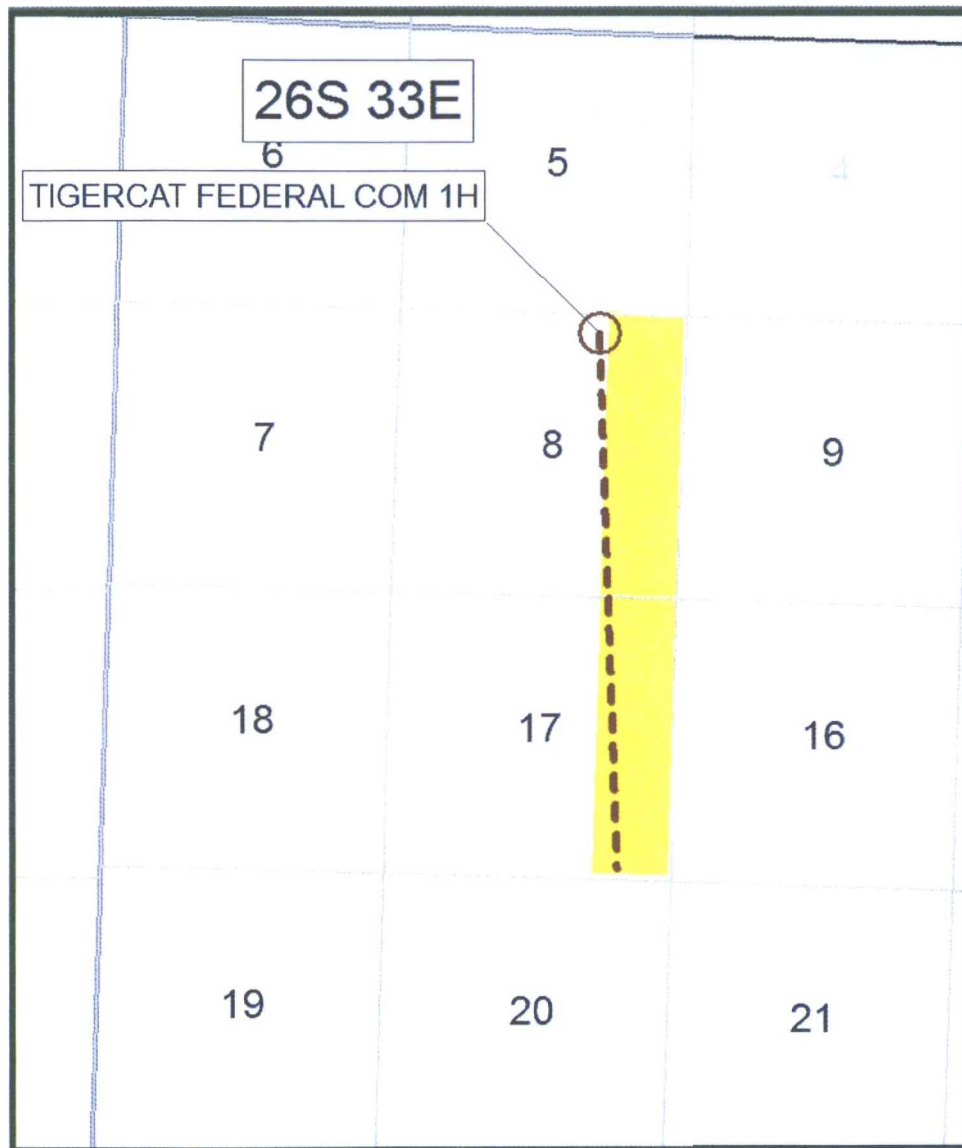
Date:

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

OCD Case No. 15878

**COG OPERATING  
Exhibit #8**

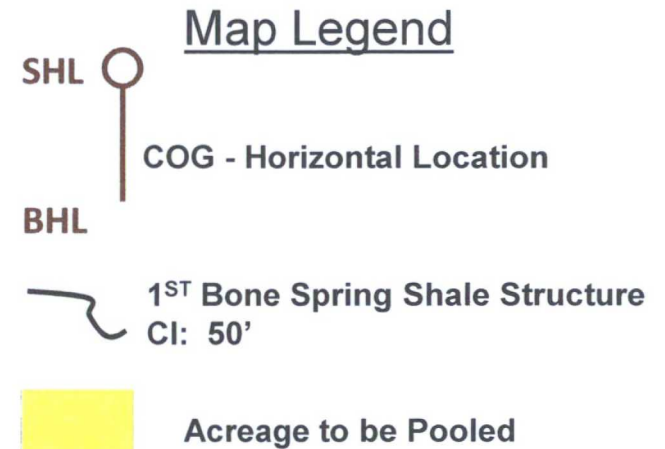
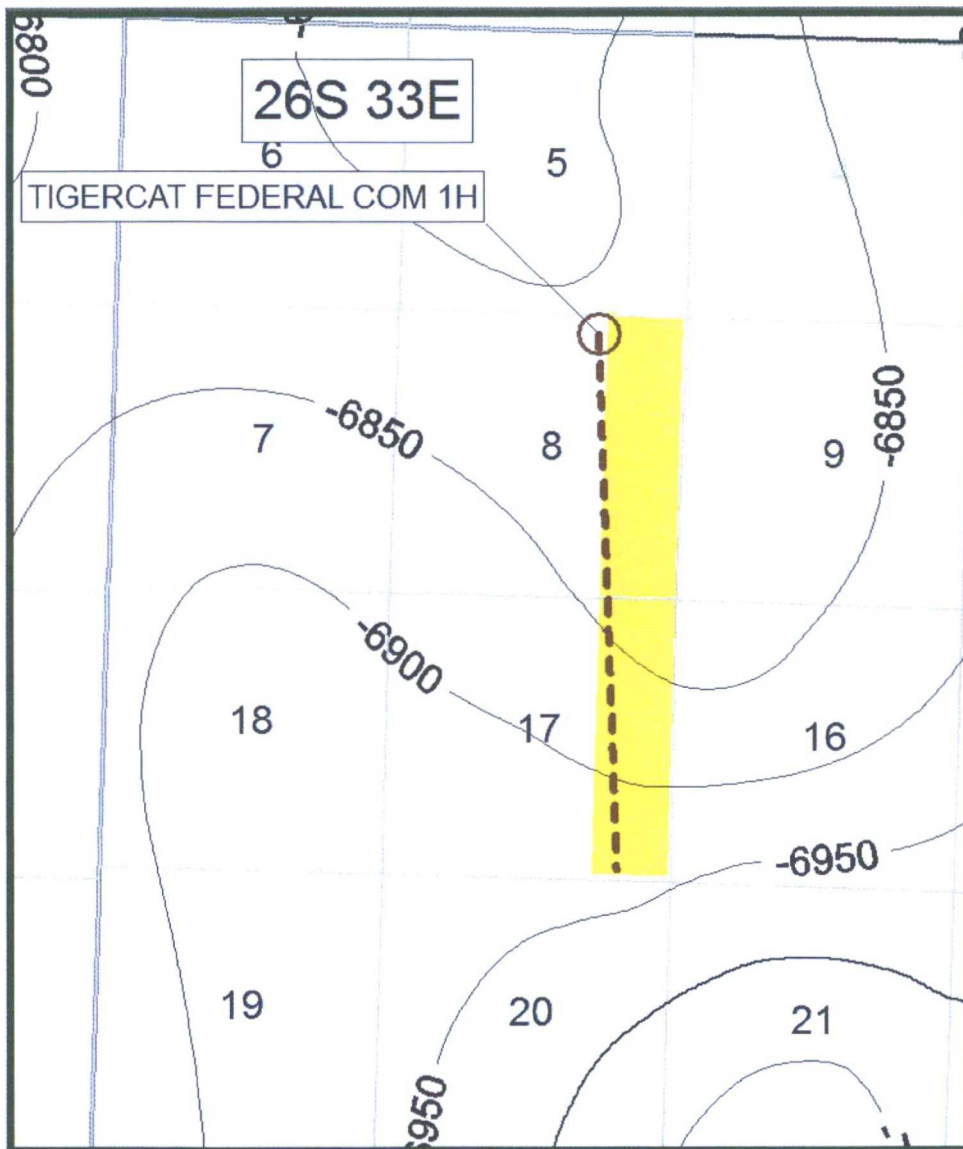
# Bone Spring Pool Tigercat Federal Com 1H Location



OCD Case No. 15878  
COG OPERATING  
Exhibit #9

# Bone Spring Pool

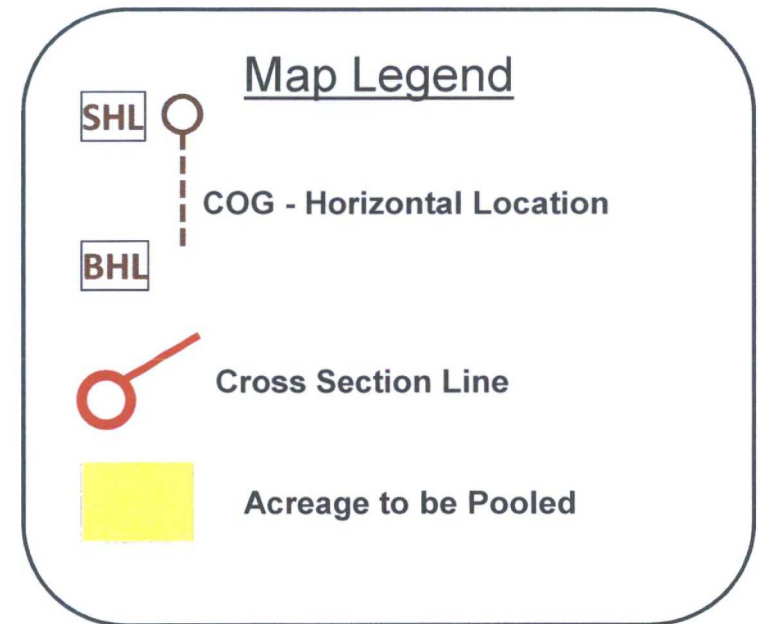
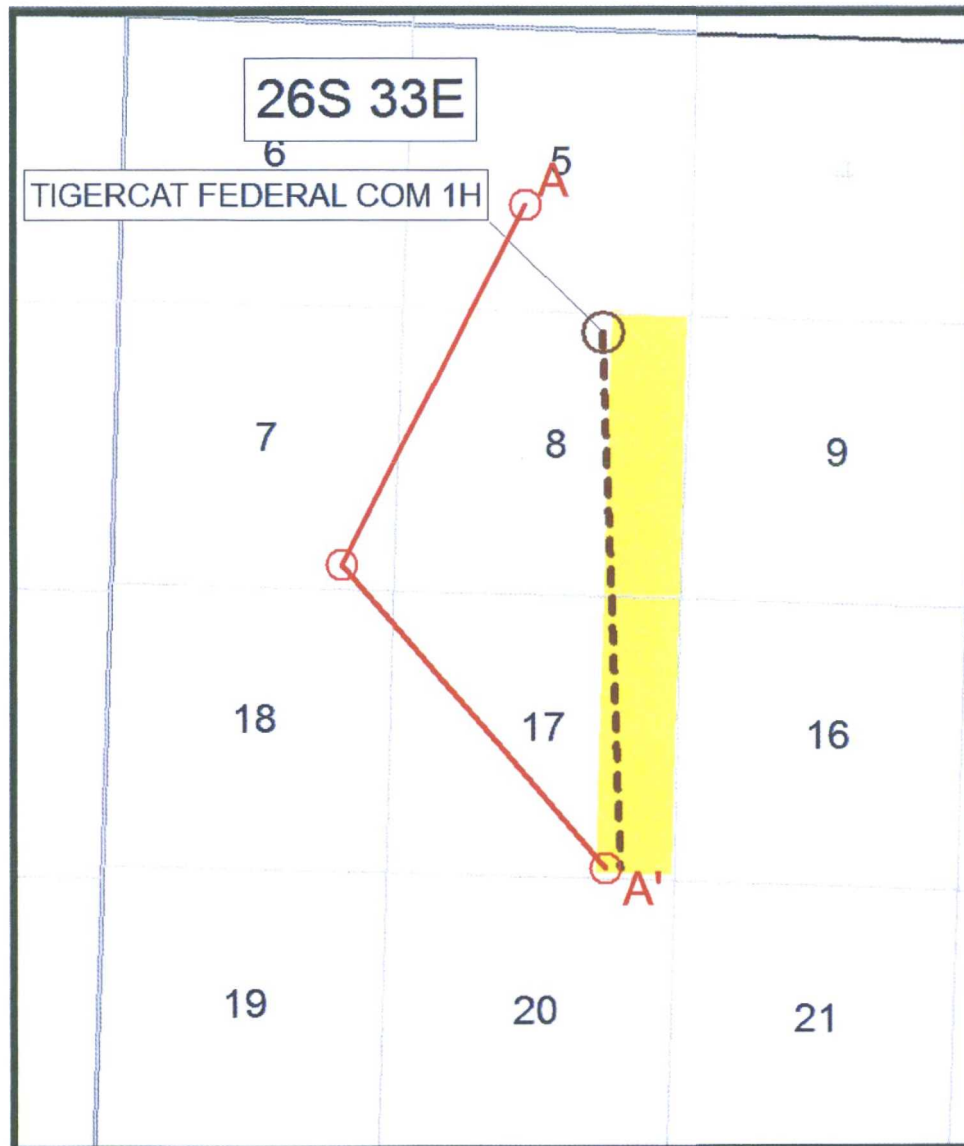
## 1<sup>ST</sup> Bone Spring Shale Structure Map



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Exhibit #10



# Bone Spring Pool Cross Section Map



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Exhibit #11



# Stratigraphic Cross Section A – A'

