

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) 748-0720

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 TIGERCAT FEDERAL COM	Well Number 2H
OGRID No.	Operator Name COG OPERATING, LLC	Elevation 3322.3'

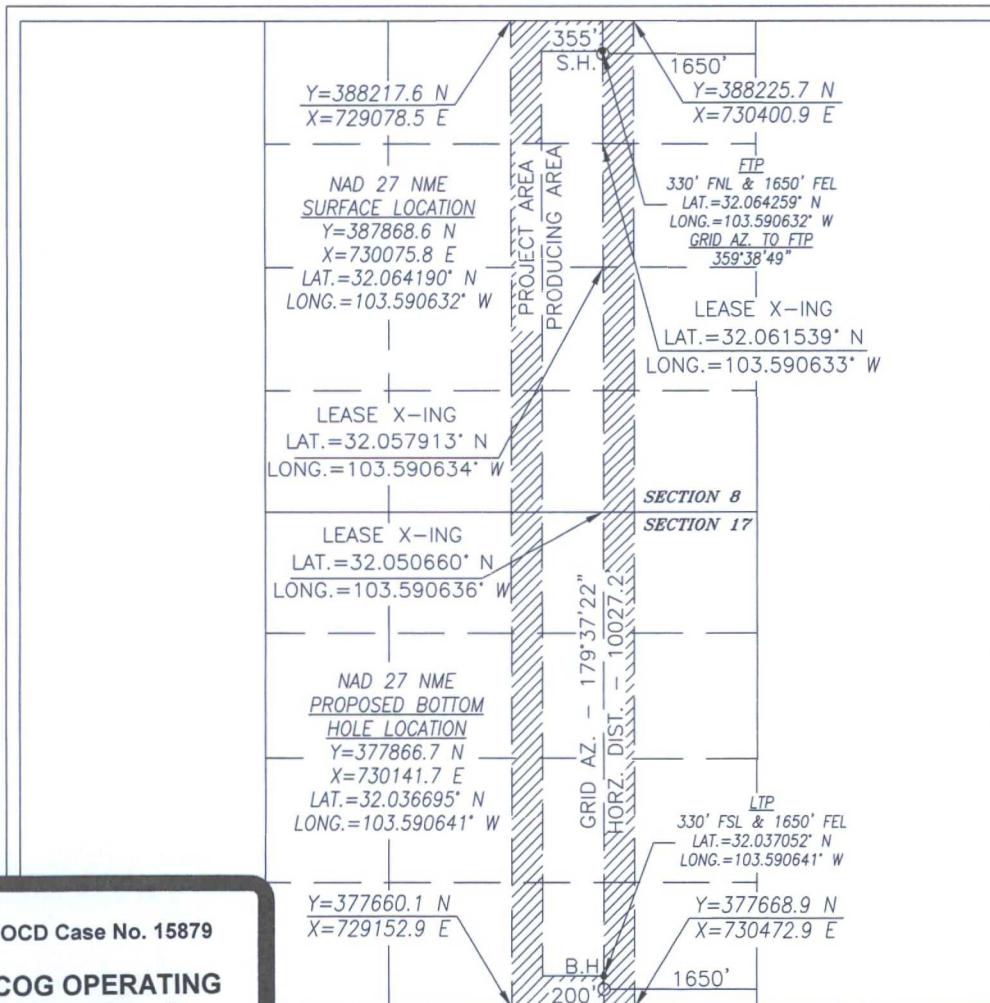
Surface Location

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	1650	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
O	17	26-S	33-E		200	SOUTH	1650	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



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 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.

AUGUST 4, 2017

DATE OF SURVEY

Signature & Seal of Professional Surveyor



Certificate No. CHAD HARCROW 17777
W.O. #17-1089 DRAWN BY: AI

OCD Case No. 15879

**COG OPERATING
Exhibit #1**

COG - Tigercat Federal Com 2H

W½E½ Section 8, Township 26 South, Range 33 East, N.M.P.M.
W½E½ 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	

Tract 1: Section 8: NW¼NE¼ (40.0 acres)		
COG Operating LLC	58.471875%	
Concho Oil & Gas LLC	19.490625%	
RSC Resources, L.P.	10.106250%	
Bradley S. Bates	3.850000%	
Sagerush Interest, LLC	2.165625%	
Meco IV, LLC	2.165625%	
Tap Rock Resources, LLC	2.500000%	
MidCon Land Services, LLC	1.250000%	
Total	100.000000%	

Unit Working Interest		
COG Operating LLC	37.683985%	
Occidental Permian Ltd.	37.500000%	
Concho Oil & Gas LLC	12.561328%	
RSC Resources, L.P.	6.513281%	
Bradley S. Bates	2.481250%	
Sagebrush Interests, LLC	1.395703%	
Meco IV, LLC	1.395703%	
Tap Rock Resources, LLC	0.312500%	
MidCon Land Services, LLC	0.156250%	
Total	100.000000%	

Tract 2: Section 8: SW¼NE¼ (40.0 acres)		
Occidental Permian Ltd.	100.000000%	
Total	100.000000%	

Tract 3: Section 8: W½SE¼ (80.0 acres)		
Occidental Permian Ltd.	100.000000%	
Total	100.000000%	

Tract 4: Section 17: W½E½ (160.0 acres)		
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%	
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 Permian Ltd.	100.000000%	
Total	100.000000%	

Record Title Owner Tract 3		
Occidental Permian Ltd.	100.000000%	
Total	100.000000%	

Record Title Owner Tract 4		
COG Operating LLC	100.000000%	
Total	100.000000%	

Uncommitted Working Interest Owners / Record Title Owners

OCD Case No. 15879

**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 2H**
Section 8: W½E½
Section 17: W½E½
Township 26 South, Range 33 East, N.M.P.M.
SHL: 355' FNL & 1650' FEL, or a legal location in Unit B (Sec. 8)
BHL: 200' FSL & 1650' FEL, or a legal location in Unit O (Sec. 17)
Lea County, New Mexico

Gentlemen:

COG Operating LLC ("COG"), as Operator, hereby proposes to drill the Tigercat Federal Com 2H 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 \$10,470,600.00, 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 W½E½ of Section 8 and the W½E½ 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.

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 2H.

_____ I/we hereby elect not to participate in the Tigercat Federal Com 2H.

Company or
Individual Name: _____

By: _____

Name: _____

Title: _____

Date: _____

Working Interest Owners

Certified Mail 91 7199 9991 7038 2027 4490

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

Certified Mail 91 7199 9991 7038 2027 4452

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

Certified Mail 91 7199 9991 7038 2027 4339

Bradley S. Bates
101 Blackberry Court
Midland, Texas 79705

Certified Mail 91 7199 9991 7038 2027 4414

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

Certified Mail 91 7199 9991 7038 2027 4292

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

Certified Mail 91 7199 9991 7038 2027 4377

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

Certified Mail 91 7199 9991 7038 2027 4254

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

Confirmation Services	Package ID: 9171999991703820274490	Electronic Certified
	Destination ZIP Code: 77046	Priority Envelope or package
	Customer Reference:	PBP Account #: 41592288
	Recipient: <u>Occidental</u>	Serial #: 1396235
	Address: _____	SEP 19 2017 2:41 PM

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ 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. 	<p>A. Signature <u>[Signature]</u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>E. Mendoza</u> C. Date of Delivery <u>9-25-17</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>CCIDENTAL PERMIAN LTD. 5 East Greenway Plaza Houston, TX 77046 Tigercat #2H Well Proposal</p> <p>9590 9402 3057 7124 4775 17</p>	<p>Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>
<p>2. Article Number (Transfer from service label)</p> <p><u>91 7199 9991 7038 2027 4490</u></p>	<p>PS Form 3811, July 2015 PSN 7530-02-000-9053</p> <p>Domestic Return Receipt</p>

Confirmation Services	Package ID: 9171999991703820274452	Electronic Certified
	Destination ZIP Code: 79707	Priority Envelope or package
	Customer Reference:	
	Recipient: <u>RSC Resources LP</u>	PBP Account #: 41592288
	Address: _____	Serial #: 1396235
		SEP 19 2017 2 34 PM

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY												
<ul style="list-style-type: none"> ■ 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. 	<p>A. Signature <u>[Signature]</u> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>Randall</u> C. Date of Delivery _____</p> <p>D. 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>RSC RESOURCES, L.P. 6824 Island Circle Midland, TX 79707 Tigercat #2H Well Proposal</p>													
<p>9590 9402 3057 7124 4775 79</p> <p>2. Article Number (Transfer from service label) <u>91 7199 9991 7038 2027 4452</u></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												
PS Form 3811, July 2015 PSN 7530-02-000-9053	Domestic Return Receipt												

Confirmation Services	Package ID: 9171999991703820274339	Electronic Certified
	Destination ZIP Code: 79705	Priority Envelope or package
	Customer Reference: <i>Bradley S. Bates</i>	PBP Account #: 41592288
	Recipient Address: _____	Serial #: 1396235 SEP 19 2017 2:35 PM

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ 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. 	<p>A. Signature <i>*Carol Bates</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Carol Bates</i></p> <p>C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes or delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>BRADLEY S. BATES 101 Blackberry Court Midland, TX 79705 Tigercat #2H Well Proposal</p>	
<p>9590 9402 3057 7124 4777 91</p> <p>2. Article Number (Transfer from reverse to front)</p> <p>91 7199 9991 7038 2027 4339</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 <input type="checkbox"/> Registered 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</p>
<p>PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt</p>	

Confirmation Services	Package ID: 9171999991703820274414	Electronic Certified
	Destination ZIP Code: 77063	Priority Envelope or package
	Customer Reference	PBP Account #: 41592288
	Recipient: <u>Sagebrush Interests LLC</u>	Serial #: 1396235
	Address: _____	SEP 19 2017 2:36 PM

9171999991703820274414

9171999991703820274414



Delivered:

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

Expected Delivery on:

Thursday, September 21, 2017 by 8:00pm

Confirmation Services	Package ID: 9171999991703820274292	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 2:38 PM

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ 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. 	<p>A. Signature <input checked="" type="checkbox"/> <u>Jason M. Sturms</u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>Jason M. Sturms</u></p> <p>C. Date of Delivery <u>9/21/17</u></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No delivery address below: _____</p>
1. Article Addressed to: _____	

MECO IV, LLC
 1200 17th Street, Suite 975
 Denver, Colorado 80202
 TigerCat #2H Well Proposal

9590 9402 3057 7124 4118 14 2. Article Number (Transfer from service label) <u>91 7199 9991 7038 2027 4292</u>	Delivery 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: 9171999991703820274377	Electronic Certified
	Destination ZIP Code: 80401	Priority Envelope or package
	Customer Reference: <u>Tap Rock Resources</u>	PBP Account #: 41592288
	Recipient Address: _____	Serial #: 1396235 SEP 19 2017 2:39 PM

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> 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. 	A. Signature <u>*Hammerbeck</u>	<input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to: _____	B. Received by (Printed Name) <u>Hammerbeck</u>	C. Date of Delivery <u>9-22-17</u>
	D. Is delivery address different from item 1? <input type="checkbox"/> Yes enter delivery address below: <input checked="" type="checkbox"/> No	
<p>TAP ROCK RESOURCES, LLC 602 Park Point Drive, Suite 200 Golden, Colorado 80401 Tigercat #2H Well Proposal</p>		
2. Article Number (Transfer from service label) <u>91 7199 9991 7038 2027 4377</u>	<div style="display: flex; justify-content: space-between;"> <div> <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 </div> <div> <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 </div> </div>	
PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt		

Confirmation Services	Package ID: 9171999991703820274254	Electronic Certified
	Destination ZIP Code: 74105	Priority Envelope or package
	Customer Reference: <i>Midcon Land Serv.</i>	PBP Account #: 41592288
	Recipient: _____	Serial #: 1396235
	Address: _____	SEP 19 2017 2:40 PM

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ 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. 	<p>A. Signature <i>[Signature]</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Daniel Shum</i> C. Date of Delivery <i>9/28/17</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Enter delivery address below: _____</p>
<p>1. Article Addressed to:</p> <p>MIDCON LAND SERVICES LLC 4401 South Lewis Place Tulsa, Oklahoma 74105 Tigercat #2H Well Proposal</p>	
<p>9590 9402 3057 7124 4783 41</p> <p>2. Article Number (Transfer from service label) 91 7199 9991 7038 2027 4254</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 <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>
<p>PS Form 3811, July 2015 PSN 7530-02-000-9053</p>	<p>Domestic Return Receipt</p>



hinklelawfirm.com

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

This matter (Case No. 15879) 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. 15879

**COG OPERATING
Exhibit #4**

PO BOX 10
ROSWELL, NEW MEXICO 88202
575-622-6510
(FAX) 575-623-9332

PO BOX 1720
ARTESIA, NEW MEXICO 88210
575-622-6510
(FAX) 575-746-6316

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

Tigercat Federal Com 2H
Offset Operators

Owner	Address	City	State	Zip
Occidental Permian LP	5 East Greenway Plaza, #110	Houston	TX	77046
AE & J Royalties LLC	460 St. Michael's Dr., Bldg. 300	Santa Fe	NM	87505
Amoco Corp.	P.O. Box 301092	Houston	TX	77001
Bradley S. Bates	101 Blackberry Court	Midland	TX	79705
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
Cowhouse Crude, L.P.	101 Blackberry Ct.	Midland	TX	79705
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
EnCana Oil & Gas (USA) Inc.	370 17th Street, #1700	Denver	CO	80202
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
EOG Resources Inc.	P.O. Box 2267	Midland	TX	79702
Estate of Elizabeth R. Sharp	P.O. Box 51470	Midland	TX	79710
GGM Exploration, Inc.	P.O. Box 123610	Fort Worth	TX	76121
HAP Land LLC	5810 Wilson Road, Suite 270	Humble	TX	77396
Liessa Schuman Wright	5777 Carell Ave	Agoura Hills	CA	91301
Magnum Hunter Production	600 North Marienfeld	Midland	TX	79701
Magnum Hunter Production, Inc.	202 S. Cheyenne Ave. Suite 1000	Tulsa	OK	74103
Marc Schuman	10627 Pictured Rocks Dr.	Peyton	CO	80831
Matthew Schuman	789 Horatio Blvd	Buffalo Grove	IL	60089
Meco IV, LLC	1200 17th Street, Suite 975	Denver	CO	80202
Mickey Resources LLC	500 N. Shoreline Blvd, Suite 322	Corpus Christi	TX	78401
MidCon Land Services, LLC	P.O. Box 31773	Edmond	OK	73003
Muleshoe Crude L P	101 Blackberry Court	Midland	TX	79705

Tigercat Federal Com 2H
Offset Operators

Owner	Address	City	State	Zip
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
R&R Royalty Ltd.	500 N. Shoreline Blvd, Suite 322	Corpus Christi	TX	78401
RSC Resources, LP	6824 Island Circle	Midland	TX	79707
Sagebrush Interests, LLC	2450 Fondren, Suite 112	Houston	TX	77063
Tap Rock Resources, LLC	602 Park Point Drive, Suite 200	Golden	CO	80401
Tilden Capital Minerals, LLC	P.O. Box 470857	Fort Worth	TX	76147
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 8, 2017

VIA CERTIFIED MAIL

AE & J Royalties LLC
460 St. Michael's Dr., Bldg. 300
Santa Fe, NM 87505

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 W/2 E/2 of Section 8 and the W/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. AE & J Royalties LLC's ("AE & J") 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. 15879) 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. AE & J 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 AE & J 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. 15879

**COG OPERATING
Exhibit #6**

GWL:sm

Enclosure

PO BOX 1720
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

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).

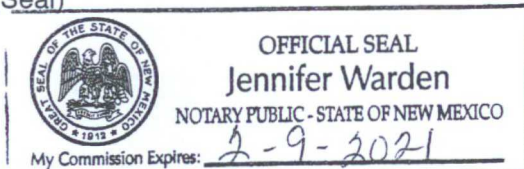
Beginning with the issue dated
November 09, 2017
and ending with the issue dated
November 09, 2017.

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)



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

LEGAL NOTICE November 9, 2017

This is to notify all interested parties, including Occidental Permian LP, AE & J Royalties LLC, Amoco Corp., Bradley S. Bates, Charlotte W. Schuman and Karlyn S. Dole, Co-Trustees of the Charlotte W. Schuman Living Trust dated 10-5-1988, Cimarex Energy Co., Cowhouse Crude, L.P., 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, EnCana Oil & Gas (USA) Inc., Endeavor Energy Resources, L.P., EOG Resources Inc., Estate of Elizabeth R. Sharp, GGM Exploration, Inc., HAP Land LLC, Liessa Schuman Wright, Magnum Hunter Production, Magnum Hunter Production, Inc., Marc Schuman, Matthew Schuman, Meco IV, LLC, Mickey Resources LLC, MidCon Land Services, LLC, Muleshoe Crude, L.P., Newkumet Exploration, Inc., Petras Energy, L.P., R&R Royalty Ltd., RSC Resources, LP, Sagebrush Interests, LLC, Tap Rock Resources, LLC, Tilden Capital Minerals, LLC, 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. 15879) 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 W/2 E/2 of Section 8 and the W/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 #2H horizontal well, which will have a surface location in Unit B of Section 8 and a bottom hole location in Unit O 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.
#32228

02107475

00202431

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

OCD Case No. 15879
COG OPERATING
Exhibit #7

**COG OPERATING LLC
AUTHORITY FOR EXPENDITURE
DRILLING**

WELL NAME: TIGERCAT FEDERAL COM #2H	PROSPECT NAME: Bulldog 2633
SHL: 355 FNL & 1650 FEL (Sec. 8)	STATE & COUNTY: New Mexico, Lea
BHL: 200 FSL & 1650 FEL (Sec. 17)	OBJECTIVE: Drill and Complete
FORMATION: 1st Bone Spring Shale	DEPTH: 19,600
LEGAL: Sec. 8 & 17, T26S- R33E	TVD: 10,299

INTANGIBLE COSTS		Drig - Rig		Tank Btty		Pmpg	
		Release(D)	Completion(C)	Constrctn(TB)		Equipment(PEQ)	TOTAL
Title/Curative/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	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	374	6,500
Company Supervision	226	61,200	326	30,000	357	375	91,200
Contract Supervision	227	100,000	327	129,000	358	376	5,000
Testing Casing/Tubing	228	20,000	328	10,000		377	30,000
Mud Logging Unit	229	39,000	329				39,000
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
Swabbing Unit			334			382	0
Rentals-Surface	235	140,000	335	275,000	359	383	7,000
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
Welding Services	238	4,000	338	5,000	361	386	9,000
Water Disposal	239	0	339	60,000	362	387	135,000
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			397,000
Coil Tubing			346	55,000			55,000
Flowback Crews & Equip			347	98,000			98,000
Offset Directional/Frac	248		348			391	0
TOTAL INTANGIBLES		2,695,000	6,269,700	218,400		30,300	9,213,400
TANGIBLE COSTS							
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
Wellhead Equipment	405	35,000	505	22,000		531	3,000
Pumping Unit				0		506	96,000
Prime Mover				0		507	0
Rods				0		508	55,000
Pumps-Sub Surface (BH)			509			532	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
Packers/Anchors/Hangers	414		514	6,000		534	2,000
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	7,000
Miscellaneous	419		519			535	3,000
Contingency	420		520			536	0
Meters/LACT				525	30,000		30,000
Flares/Combustors/Emission				526	18,400		18,400
Gas Lift/Compression			527	15,000	516	528	35,000
TOTAL TANGIBLES		544,000	90,300		431,900		191,000
TOTAL WELL COSTS		3,239,000	6,360,000		650,300		221,300
							10,470,600

COG Operating LLC

% of Total Well Cost

31%

61%

6%

2%

Date Prepared:

COG Operating LLC

By:

We approve:
% Working Interest

Company: Occidental Permian Ltd.
By:

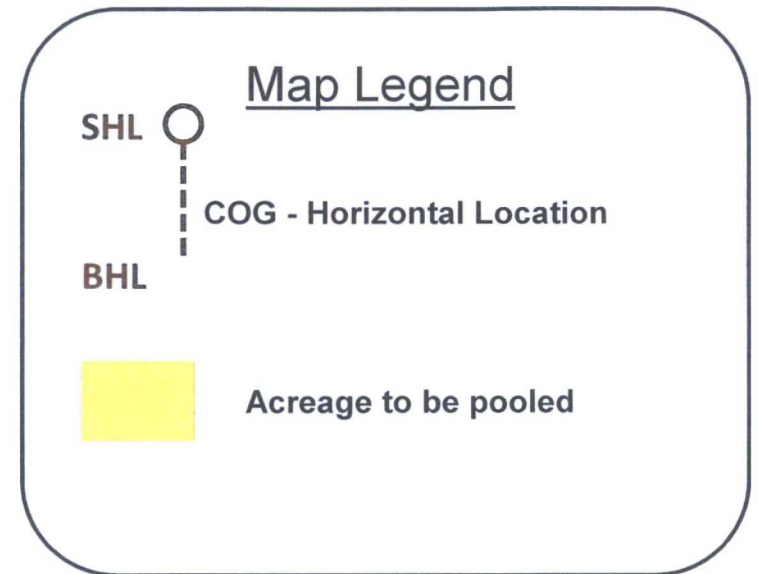
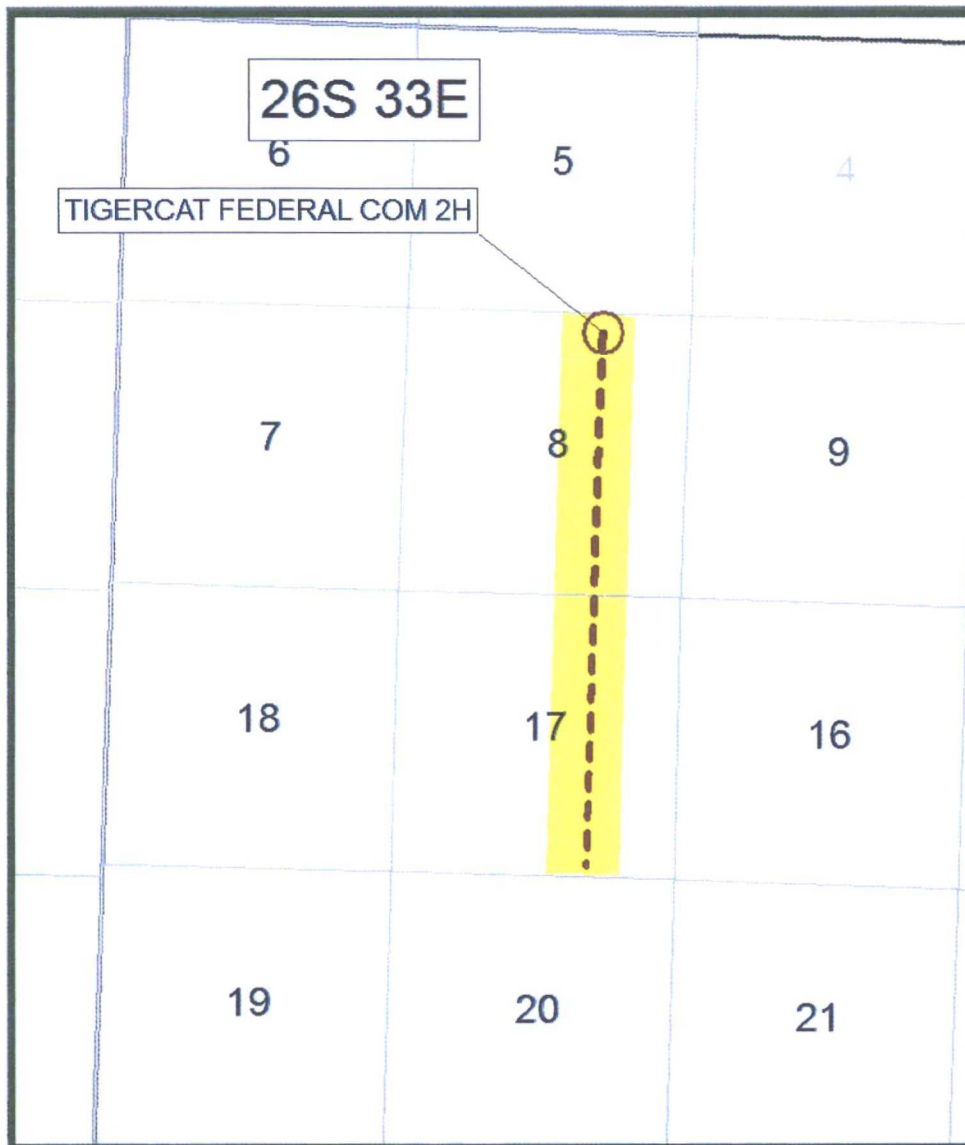
Printed Name:
Title:
Date:

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

OCD Case No. 15879

**COG OPERATING
Exhibit #8**

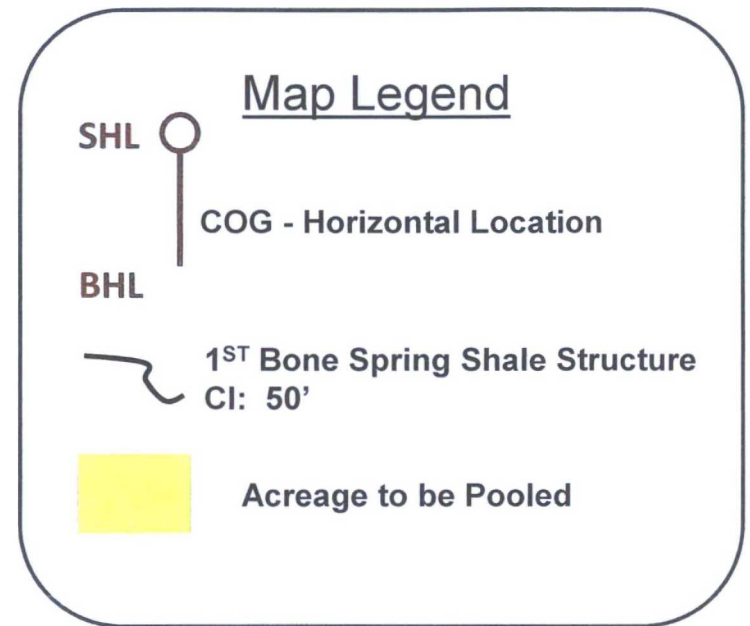
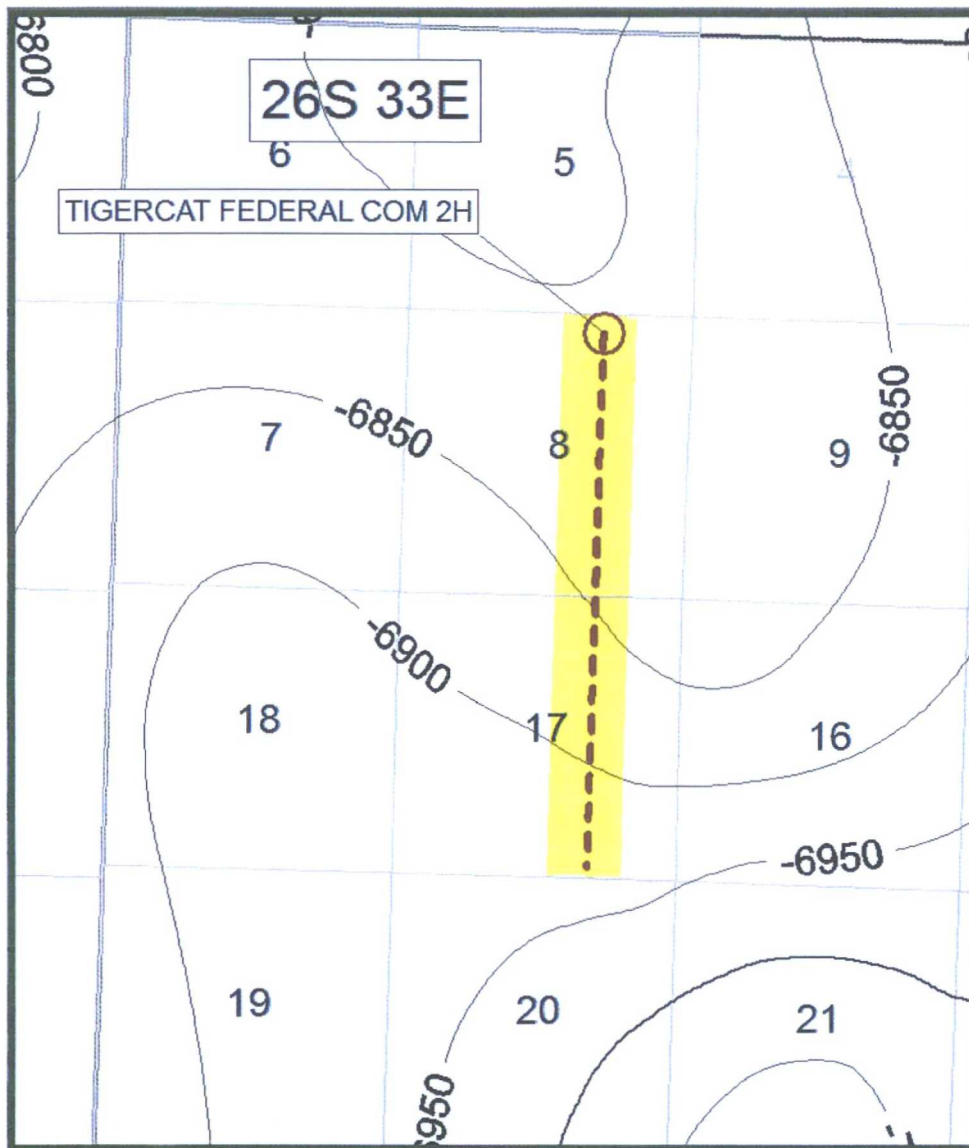
Bone Spring Pool Tigercat Federal Com 2H Location



OCD Case No. 15879
COG OPERATING
Exhibit #9

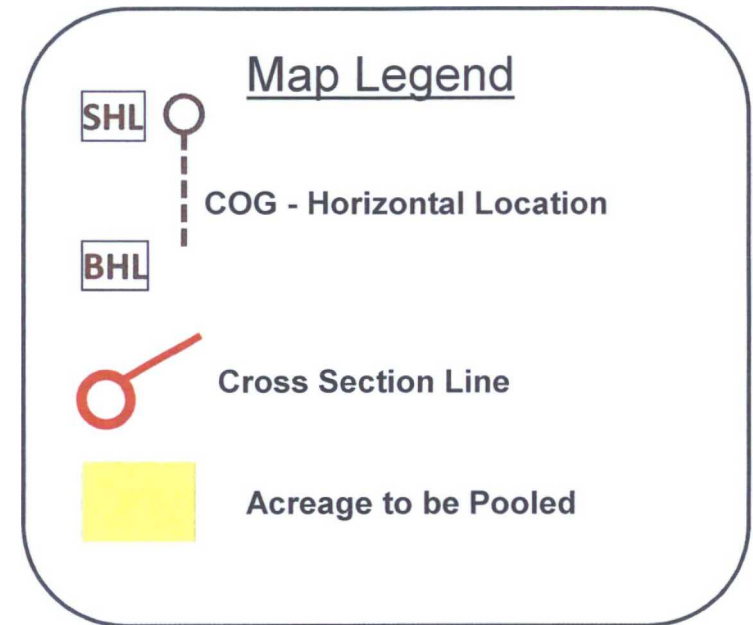
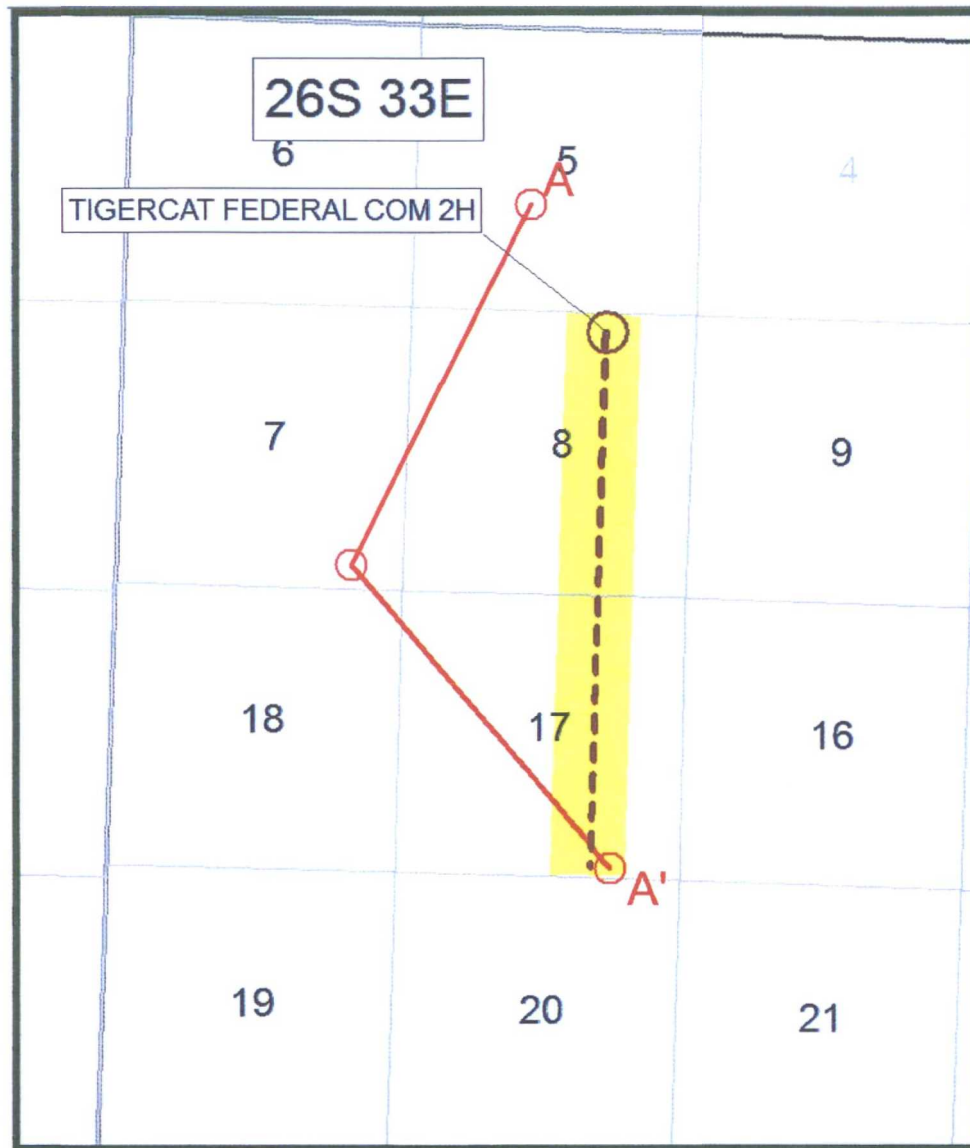
Bone Spring Pool

1ST Bone Spring Shale Structure Map



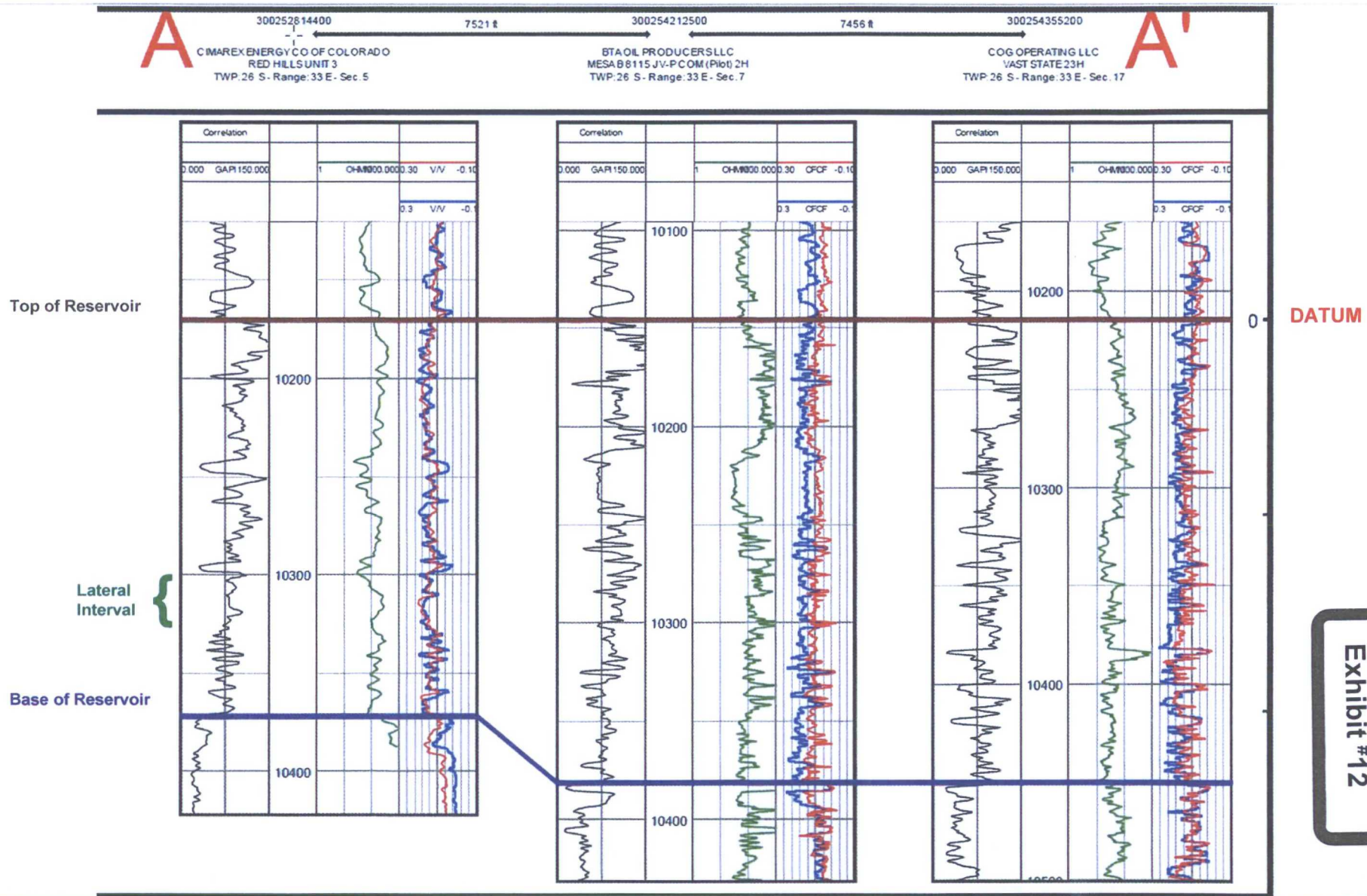
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COG OPERATING
Exhibit #10

Bone Spring Pool Cross Section Map



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Exhibit #11

Stratigraphic Cross Section A – A'



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COG OPERATING
Exhibit #12