

District I
1625 N. French Drive, Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88211

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED
JAN 17 2006
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505
State of New Mexico
Energy, Minerals and Natural Resources Department
PW 50602033130

Form C-107A
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

APPLICATION TYPE
Y Single Well
N Establish Pre-Approved Pools
EXISTING WELLBORE
X Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

DHC-3610

COG OPERATING LLC

550 W. Texas, Suite 550

Midland, TX 79701

Operator

Address

M. D. SELF

5

D, Sec 6, T26S, R38E

LEA

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 229137 Property Code 006355 API No. 30-025-12449 Lease Type: X Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Wildcat; Glorieta <u>oil</u>		Justis; Bilinebry-Tubb-Drinkard
Pool Code	<u>96962</u>		34220
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	4902 - 4991		5114 - 5325
Method of Production (Flowing or Artificial Lift)	Pumping		Pumping
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	34.0		35.3
Producing, Shut-In or New Zone	Producing, new zone		SI
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: <u>12/21 - 12/24/2005</u> Rates: <u>31 BO, 33 MCF, 164 BW</u>	Date: Rates:	Date: <u>6 - 26-2005</u> Rates: <u>2 BO, 7 MCF, 14 BW</u>
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil <u>94</u> % Gas <u>83</u> %	Oil % Gas %	Oil <u>6</u> % Gas <u>17</u> %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes X No

If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No

Are all produced fluids from all commingled zones compatible with each other? Yes X No

Will commingling decrease the value of production? Yes No X

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes X No

NMOCD Reference Case No. applicable to this well:

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Phyllis A. Edwards TITLE Regulatory Analyst DATE 1/6/06

TYPE OR PRINT NAME Phyllis A. Edwards TELEPHONE NO. (432) 685-4340

E-MAIL ADDRESS pedwards@conchoresources.com

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State of New Mexico
 Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-102
 Revised June 10, 2003
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-12449		² Pool Code	³ Pool Name Wildcat; Glorieta	
⁴ Property Code 006355	⁵ Property Name M.D. Self		⁶ Well Number 005	
⁷ OGRID No. 229137	⁸ Operator Name COG OPERATING LLC		⁹ Elevation 3025'	

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	6	26S	38E		330	North	330	West	Lea

¹¹ 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

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

¹⁶ 				¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature: Printed Name: Diane Kuykendall Title and E-mail Address: Regulatory Analyst Date: 1/06/06
				¹⁸ SURVEYOR CERTIFICATION <i>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.</i>
				Date of Survey: Signature and Seal of Professional Surveyor:
				Certificate Number

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-12449		² Pool Code 34220		³ Pool Name Justis; Blinbry-Tubb-Drinkard	
⁴ Property Code 006355		⁵ Property Name M.D. Self			⁶ Well Number 005
⁷ OGRID No. 229137		⁸ Operator Name COG OPERATING LLC			⁹ Elevation 3025'

¹⁰ Surface Location

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				Signature 	
			Title and E-mail Address Regulatory Analyst		
			Date 1/06/06		
			¹⁸ 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.		
			Date of Survey Signature and Seal of Professional Surveyor:		
			Certificate Number		

M D SELF #5 - WILDCAT; GLORIETA PRODUCTION

<u>Date</u>	<u>Oil</u>	<u>Gas</u>	<u>Water</u>	<u>Choke</u>	<u>Notes</u>
1/4/2006 9:42	24	23	155	64/64	
1/3/2006 9:14	6	23	162	64/64	
12/31/2005 13:22	29	56	158	64/64	
12/28/2005 8:57	29	40	155	64/64	
12/27/2005 8:57	27	41	157	64/64	
12/26/2005 17:04	34	40	155	64/64	
12/25/2005 9:46	25	31	158	64/64	
12/24/2005 14:04	29	32	163	64/64	
12/23/2005 7:38	43	54	155	64/64	
12/22/2005 8:58	31	25	167	64/64	
12/21/2005 11:57	21	21	170	64/64	
12/20/2005 9:04	10	19	165	64/64	
12/19/2005 15:27	0	0	0	64/64	dwn for repairs
12/18/2005 9:03	1	11	123	64/64	dwn pwr cable shorted to unit
12/17/2005 9:05	1	11	112	64/64	19 hr test after pmp unit chng
12/16/2005 8:38	1	3	21	64/64	dwn chng to bigger pmp unit
12/15/2005 8:58	5	11	100	64/64	
12/14/2005 12:29	35	12	105	64/64	
12/13/2005 9:14	17	11	95	64/64	
12/12/2005 15:18	11	12	97	64/64	
12/11/2005 15:17	6	12	114	64/64	
12/10/2005 15:16	4	14	60	64/64	
12/9/2005 14:30	1	4	12	64/64	dwn reset
12/8/2005 13:03	9	16	108	64/64	
12/7/2005 10:39	8	16	106	64/64	
12/7/2005 9:18	2	11	112	64/64	19 hr test after pmp unit chng
12/6/2005 15:33	9	16	109	64/64	
12/5/2005 11:04	8	16	107	64/64	
12/4/2005 12:05	8	16	107	64/64	
12/3/2005 13:25	4	14	119	64/64	
12/2/2005 15:13	3	0	31	64/64	change pmp dwn
12/1/2005 11:18	7	6	77	64/64	
11/30/2005 10:55	7	4	78	64/64	
11/29/2005 10:03	4	4	80	64/64	
11/28/2005 8:18	0	4	84	64/64	
11/27/2005 9:34	0	4	85	64/64	
11/26/2005 9:27	0	4	86	64/64	
11/25/2005 23:20	0	4	86	64/64	
11/24/2005 23:20	0	4	85	64/64	
11/23/2005 8:56	0	4	84	64/64	
11/22/2005 17:57	0	0	85	64/64	
11/21/2005 9:15	0	0	85	64/64	
11/20/2005 20:27	0	0	84	64/64	
11/19/2005 8:46	0	0	84	64/64	
11/18/2005 16:56	0	0	84	64/64	

COG Operating LLC
DV300

Production Detail Report by Property
FROM 12/01/2004 THRU 11/30/2005

(Base/Allocated Properties)
(At State Pressure Base)

O I L							G A S						B B L S		
PROD	BEG		OTH	END	OIL	PRICE	GROSS	OTH	MCF	MCF	PRESS	PRICE	GROSS	WATER	
MOTH	STOCK	PROD	SALES	DISP	STOCK	ALLOW	BBL	DISP	PROD	SALES	BASE	MCF	VALUE	PROD	
Property: 301013-005		M.D. SELF #5 (BLINEBURY)					STATE: NM								
12/04	27	60	45	0	42	0	36.64	1,648.70	0	195	195	15.0250	5.74	1,119.51	533
01/05	42	57	45	0	54	0	41.96	1,888.33	0	186	186	15.0250	5.50	1,023.13	67
02/05	54	46	43	0	57	0	41.90	1,801.54	0	154	154	15.0250	5.56	856.66	399
03/05	57	61	48	0	70	0	47.72	2,290.60	0	171	171	15.0250	5.77	986.76	378
04/05	70	45	88	0	27	0	46.43	4,085.57	0	188	188	15.0250	6.17	1,160.78	454
05/05	27	73	56	0	44	0	41.73	2,336.99	0	196	196	15.0250	5.29	1,036.55	44
06/05	44	44	49	0	39	0	50.16	2,457.71	0	169	169	15.0250	5.70	964.09	417
07/05	39	23	0	0	62	0	n/a	0.00	0	130	130	15.0250	6.11	794.34	473
08/05	62	30	48	0	44	0	60.67	2,912.27	0	184	184	15.0250	7.10	1,305.71	416
09/05	44	21	0	0	65	0	n/a	0.00	0	146	146	15.0250	5.80	847.04	601
10/05	65	24	54	0	35	0	55.43	2,993.15	0	173	173	15.0250	5.81	1,004.29	497
11/05	35	26	35	0	26	0	51.61	1,806.21	0	77	77	15.0250	7.19	554.01	1968
Totals															
	566		511		565			24,221.07		1969				11,652.87	
		510		0		0			0		1969				6247
Report totals															
	566		511		565			24,221.07		1969				11,652.87	
		510		0		0			0		1969				6247