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Houston, TX 77079  
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Fax: 918-662-1956

February 26, 2015

Bureau of Land Management  
Carlsbad Field Office  
620 E. Greene St.  
Carlsbad, New Mexico 88220-6292

State of New Mexico  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87504

*12-506; Case 715*

RE: Grayburg Deep Unit  
14-08-001-1602, Serial No. NMNM-070954X  
2015 Plan of Development (Amended)  
Eddy County, New Mexico  
ConocoPhillips Contract 052412

ConocoPhillips Company (COPC), as Unit Operator of the Grayburg Deep Unit, hereby submits for your approval, our 2015 Plan of Development.

Items are included as follows: Planned 2015 operations; previous year operations; current status of all wells within the unit; production graphs for each productive reservoir. Also attached are three current maps, each showing respectively the units: structural and geologic interpretations; participating area boundaries; wells, tank batteries, natural gas sales meters, flow-lines, and roads.

It is understood that approval of this plan does not approve the work covered by the plan. Individual approval is still required for such items as APDs/ROWS/etc.

Any modifications or additions to this Plan of Development will be filed as supplements to the plan.

Sincerely,

  
Gianni Esparza  
Associate Landman

**2015 Planned Operations:**

Drilling  
NA

**Plug Back/Recompletion**

Recompletion candidates for Abo and/or Blinebry...

WELL NAME & NUMBER	API NUMBER	COMP DATE	CURRENT ZONE	NEW ZONE	STATUS
GRAYBURG DEEP UNIT 17	300153421400	10/25/2002	PENN	YESO (BLINEBRY)	FLOWING
GRAYBURG DEEP UNIT 22	300153559800	8/20/2007	WOLFCAMP	YESO (BLINEBRY)	SHUT-IN
GRAYBURG DEEP UNIT 25 #5	300150308300	4/25/1985	ABO /SH/	YESO (BLINEBRY)	FLOWING

**Conversion, Abandonment, Other surface disturbing operations**

WELL NAME & NUMBER	API NUMBER	COMP DATE	OLD ZONE	NEW ZONE	STATUS
GRAYBURG DEEP UNIT 17	300153421400	10/25/2002	PENN	Yeso/Abo (Contingent)	Flowing

**Previous Year Operations (2014):****Plugback/Recompletions**

WELL NAME & NUMBER	API NUMBER	COMP DATE	OLD ZONE	NEW ZONE	STATUS
GRAYBURG DEEP UNIT 14	300152976600	4/30/2008	MORROW	YESO	PUMPING

COP successfully and safely recompleted the Grayburg Deep Unit 14 in December 2013 & the well came online in early 2014. The three stage Blinebry only completion job was pumped to design.

**Abandonment**

NA

**Drilling, Conversion, Other surface disturbing operations**

None

**Status of all Wells within the Unit:**

WELL NAME & NUMBER	API NUMBER	COMP DATE	ZONE	STATUS	Last Test
GRAYBURG DEEP UNIT 14	300152976600	1/20/2014	YESO (BLINEBRY)	PUMPING	3 bopd, 10 Mcfd
GRAYBURG DEEP 25 FEDERAL 5	300150308300	4/25/1985	ABO /SH/	FLOWING	3 bopd, 12 Mcfd
GRAYBURG DEEP UNIT 17	300153421400	10/25/2002	PENN	Shut-in (temporary) – last prod: 8/1/14	22 Mcfd
GRAYBURG DEEP UNIT 22	300153559800	8/20/2007	WOLFCAMP	Shut-in (temporary) – last prod: 11/1/14	4 Mcfd
GRAYBURG DEEP UNIT 1	300150418700	7/13/1954	PENN	PERM ABAN	-
GRAYBURG DEEP 30 FEDERAL 1	300153195800	11/5/2001	MORROW	PERM ABAN	-
GRAYBURG DEEP 30 FEDERAL 1	300153195800	11/15/2005	ATOKA	PERM ABAN	-
GRAYBURG DEEP UNIT 10	300152579600	12/18/1987	PENN	PERM ABAN	-
GRAYBURG DEEP UNIT 14	300152976600	10/14/1997	WOLFCAMP	PERM ABAN	-
GRAYBURG DEEP UNIT 14	300152976600	4/30/2008	MORROW	PERM ABAN	-
GRAYBURG DEEP UNIT 15	300153030000	9/27/1998	MORROW	PERM ABAN	-
GRAYBURG DEEP UNIT 16	300153414100	6/30/2006	PENN	PERM ABAN	-
GRAYBURG DEEP UNIT 18	300153490500	8/15/2006	ABO /SH/	PERM ABAN	-

**Production Graphs:**

See attachments

**Map of structural and geologic interpretations:**

See attachments

**Map of Participating area boundaries:**

See attachments

**Map of Wells, tank batteries, natural gas sales meters, flow-lines, and roads:**

See attachments

The GDU is comprised of two distinct participating areas, as set forth in the table below. A map of the participating area, along with a reservoir performance graph for the participating area is attached hereto.

Grayburg Deep Unit	Lower Penn 3rd PA Expansion	11/1/1998	NMNM-07095A	AFS-8910016020
Grayburg Deep Unit	Wolfcamp Initial Participating Area	8/1/2007	NMNM-070954B	AFS-891001602A

The working interest owners have been provided a copy of this 2015 Plan of Development. ConocoPhillips Company and the working interest owners believe that all current Grayburg Deep Unit obligations have been satisfied.

In accordance with Article 10 of the Grayburg Deep Unit Agreement, please signify your approval of the 2015 Plan of Development by executing in the signature block below. Please return one approved copy to the undersigned.

Should you have any questions or comments in this regard, please contact me at 281-206-5480.

Respectfully submitted,

\_\_\_\_\_  
**Bureau of Land Management**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**New Mexico Oil Conservation Division**

\_\_\_\_\_  
**Date**

The foregoing approvals are for the 2015 Plan of Development for the Grayburg Deep Unit, 14-08-001-1602, Eddy County, New Mexico.

Cc: Mr. Doug Hurlbut  
 EOG Resources Inc.  
 4000 N. Big Spring  
 Midland, TX 79705

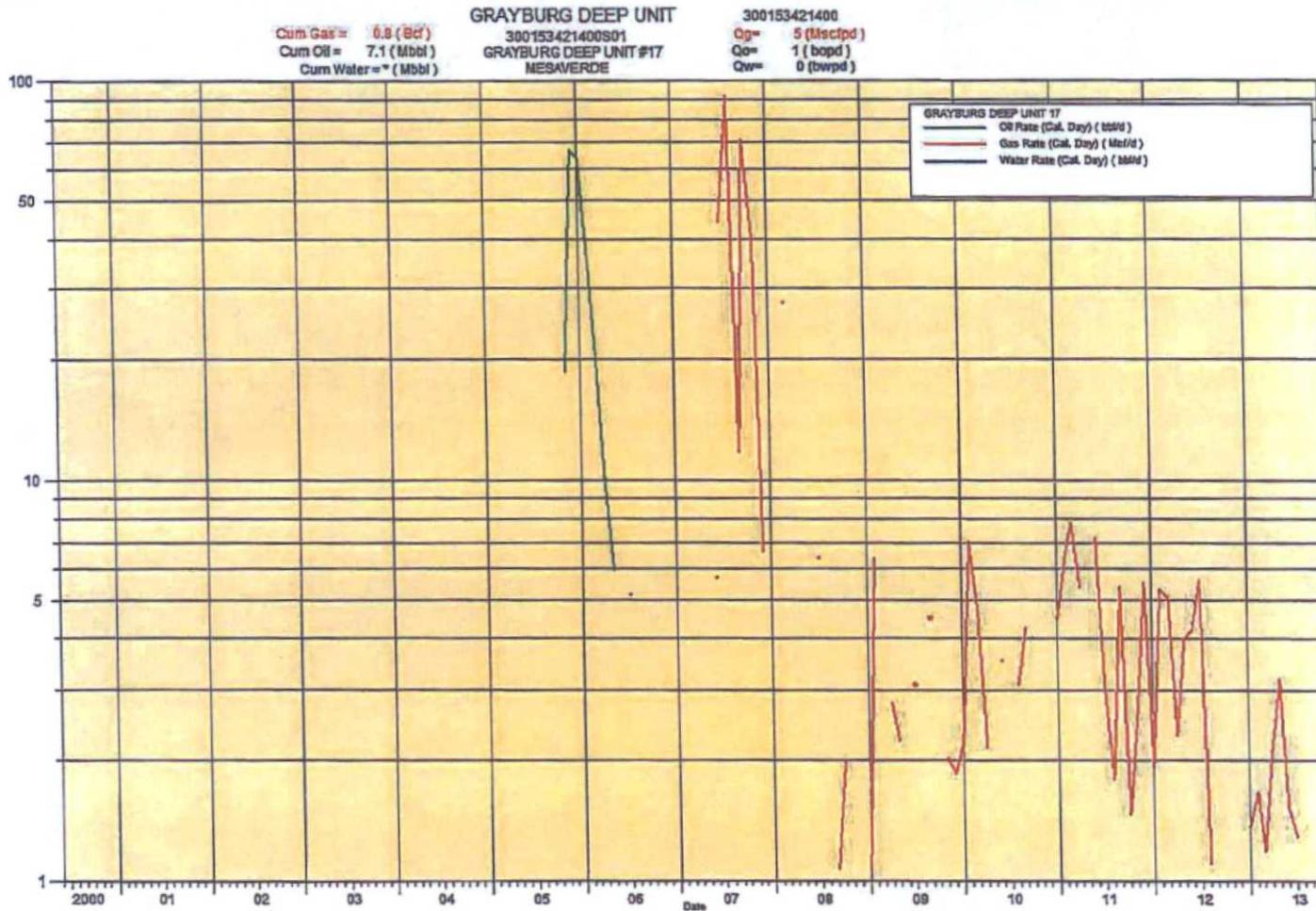
Ms. Debbie Singleton  
 Davoil, Inc.  
 6300 Ridglea Place, Suite 1208  
 Fort Worth, TX 76116

Mr. Carter Muir  
Great Western Drilling Company  
700 W. Louisiana  
Midland, TX 79701

Mr. Jeff Gotcher  
Cimarex Energy Co.  
600 N. Marienfeld St., Suite 600  
Midland, TX 79701

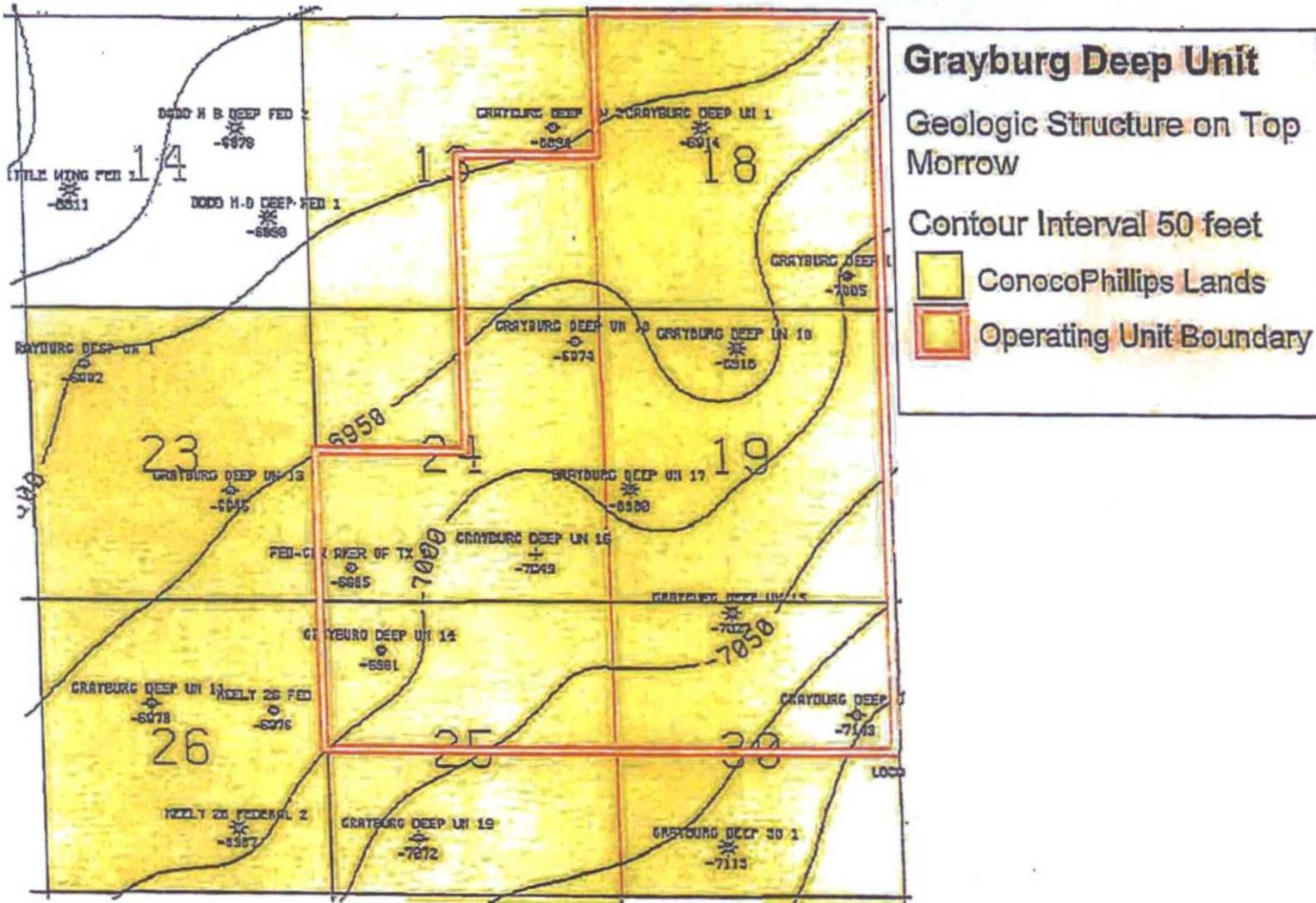
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# Lower Penn 3rd PA Expansion Production Graph

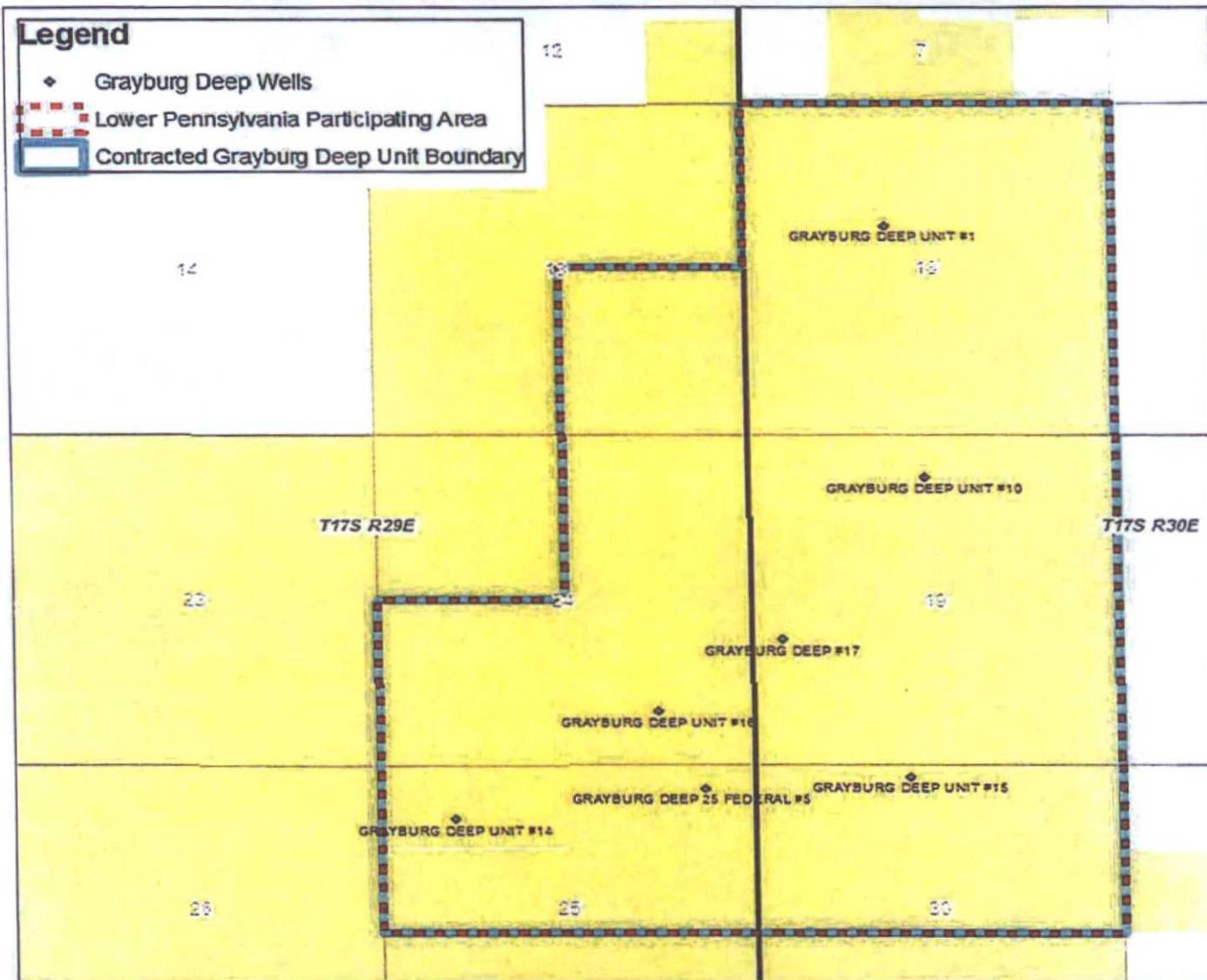




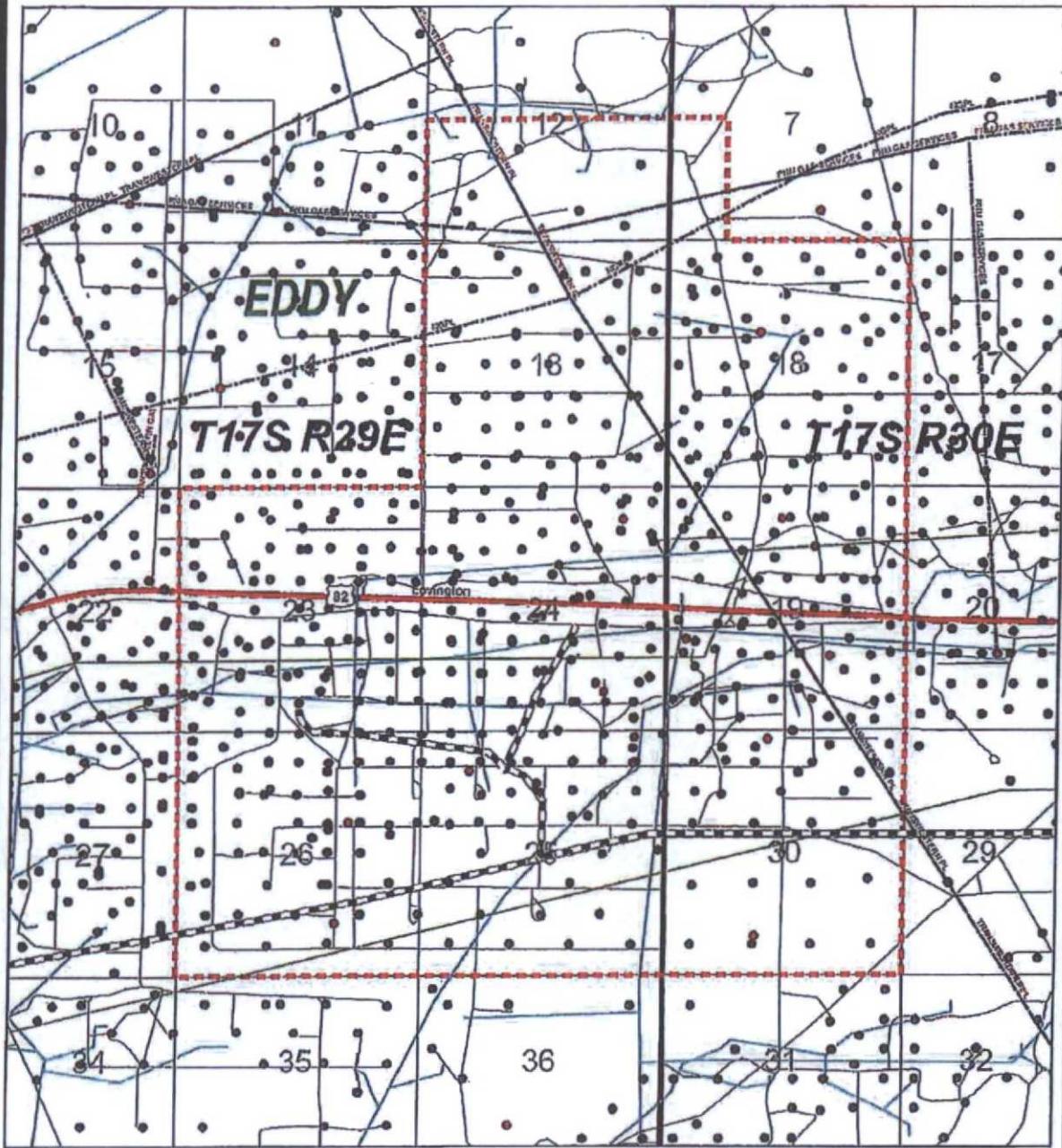
# Grayburg Deep Unit Geologic Structure



# Lower Penn 3rd PA Expansion







●	CRUDE OIL	—	Highway
●	WAS	—	Major Road
—	Contracted Grayburg Deep Unit Boundary	—	Local Road
—	Original Grayburg Deep Unit Boundary	—	Minor Road
—	COP Pipelines		
—	L48 Pipelines (Island Gas III)		
—	L48 Pipelines Pennwell Oil		
—	C/MDTY		
—	C		
—	L		

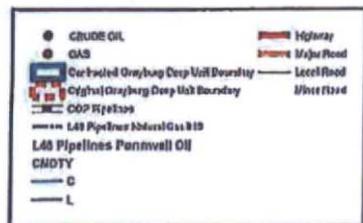
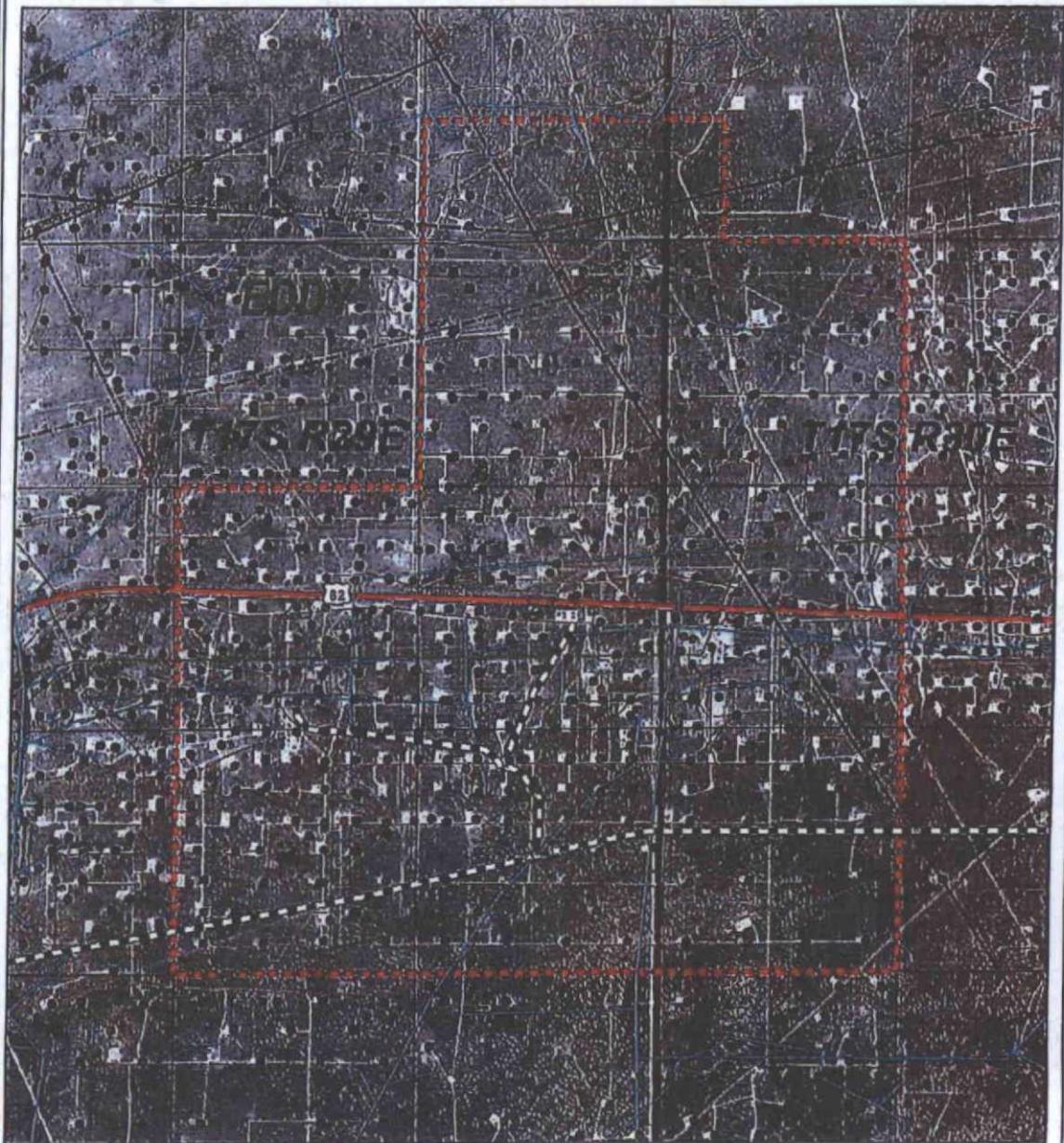


ConocoPhillips

**Mid-Continent Land**

**Southeast New Mexico**  
**Grayburg Deep Unit**

Scale: As Shown (1" = 1 Mile)	Date: 2/24/2009
Author: J. Miller, J. VanDyke	Drawn: P. J. 2/24/2009
*Not to scale and not warranted	



ConocoPhillips

Mid-Continent Land

**Southeast New Mexico  
Grayburg Deep Unit**

Author: Jeff Gillmore/2011	Date: 10/26/11
Designer: Adam Wainwright/2011	Date: 11/20/11
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