

OCD-ARTESIA

Form 3160-4
(October 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 19915. LEASE DESIGNATION AND SERIAL NO.
NMNM14124

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
Marquardt 12 Penn Federal 29. API WELL NO.
30-015-34329 0051

10. FIELD AND POOL, OR WILDCAT

White City; Penn (Gas)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
12-25S-26E12. COUNTY OR PARISH
Eddy13. STATE
NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. ENVYR. ☐ Other

2. NAME OF OPERATOR

Gruy Petroleum Management Co.

3. ADDRESS AND TELEPHONE NO.

P O Box 140907 Irving Tx. 75014-0907

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 2310' FNL & 1330' FEL

At top prod. interval reported below 2310' FNL & 1330' FEL

At total depth 2310' FNL & 1330' FEL

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

09-23-05

16. DATE T.D. REACHED

10-12-05

17. DATE COMPL. (Ready to prod.)

11-24-05

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3372' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

12234'

21. PLUG, BACK T.D., MD & TVD

12120'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

All

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

White City; Penn (Gas) 11513' - 11628'

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Spaced Neutron, DLL Microguard, Cement Bond Log

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 - 3/8" H-40	48#	217'	17-1/2"	230sx Premium circ 38sx	
9-5/8" J-55	40#	2705'	12-1/4"	825sx IntC/Prem circ 165sx	
5-1/2" P-110	17#	12141'	8-3/4"	2525sx IntH/SupH/IntC/Prem	
				TOC 10850'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	11480'	11480'

31. PERFORATION RECORD (Interval, size and number)

12078' - 12085' 6 SPF 42 Holes set CIBP 12040' w/ 35' cement

11620' - 11628' 6 SPF 48 Holes

11576' - 11592' 6 SPF 96 Holes

11513' - 11520' 6 SPF 42 Holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
12078' - 12085'	1000gal 7.5% HCL & Methanol
11513' - 11628'	95000gal foam CO2 & Methanol 65000# 18/40 VProp

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12-11-05		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-21-05	24	17/64	→	0	437	27	NA
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
80	0	→	0	437	27	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

35. LIST OF ATTACHMENTS

Electric logs and Inclination Summary

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Natalie Kuege

TITLE

Reg Tech

ACCEPTED FOR RECORD

DAVID R. GLASS

JAN 24 2006

DAVID R. GLASS 01-10-06

PETROLEUM ENGINEER

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Delaware	1936'	
				Bone Spring	5419'	
				Wolfcamp	8513'	
				Cisco-Canyon	10010'	
				Strawn	10244'	
				Atoka	10415'	
				Morrow	11028'	

State of New Mexico

DISTRICT I

1625 N. FRENCH DR., BOBBS, NM 88240

Energy, Minerals and Natural Resources Department

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

Form C-102

Revised JUNE 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-34329	Pool Code	Pool Name White City; Penn (Gas)
Property Code	Property Name MARQUARDT 12 PENN FEDERAL	Well Number 2
OGRID No. 162683	Operator Name GRUY PETROLEUM MANAGEMENT COMPANY	Elevation 3236'

Surface Location

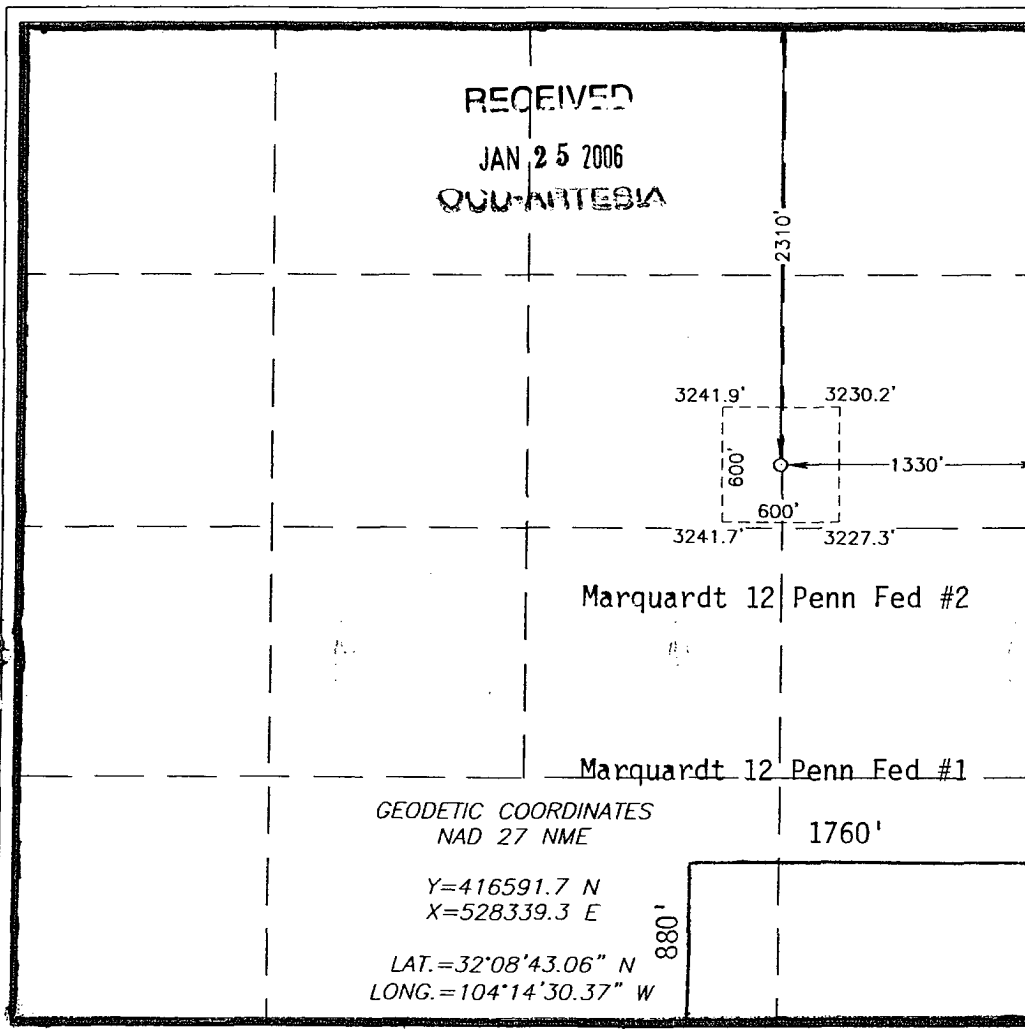
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	12	25-S	26-E		2310	NORTH	1330	EAST	EDDY

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

Dedicated Acres 640	Joint or Infill Y	Consolidation Code	Order No.
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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 the the information
contained herein is true and complete to the
best of my knowledge and belief.

Zeno Farris

Signature

Zeno Farris

Printed Name

Mgr Operations Admin

Title

January 10, 2005

Date

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.

MAY 12, 2005

Date Surveyed JR

Signature & Seal of
Professional Surveyor

GARY E. ELLISON

NEW MEXICO

05.11.07

Certificate No. GARY ELLISON

12641

OPERATOR Magnum Hunter Resources dba Gruy Petroleum Management
WELL/LEASE Marquardt 12 Penn Fed #2
COUNTY Eddy, NM

080-0037

STATE OF NEW MEXICO
DEVIATION REPORT

167	3/4	11,011	2 1/2
515	1	11,167	2 1/4
856	1	11,515	2
1,178	1	11,862	2
1,421	2	12,194	2
1,706	1		
1,896	1		
2,191	1		
2,403	1		
2,645	1		
3,082	1		
3,483	1		
3,923	1/2		
4,367	1/2		
4,747	1/2		
5,147	1/2		
5,600	1/2		
6,012	2		
6,170	1 1/2		
6,359	1/2		
6,591	1 1/2		
7,056	1/2		
7,530	1		
7,941	1		
8,446	1		
8,591	1 1/2		
8,828	1		
9,271	2		
9,398	2		
9,619	2 1/2		
9,777	3		
9,904	2 1/2		
10,062	3		
10,220	3		
10,362	3		
10,568	2 1/2		

BY: Steve Moore

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on October 25, 2005, by Steve Moore on behalf of Patterson - UTI Drilling Company, LP, LLLP.

J Robertson
Notary Public for Midland County, Texas
My Commission Expires: 8/23/07

