

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

1001 W. Grand Avenue
Albuquerque, NM 88210
(See other In-
structions on
Form 3160-4)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

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. REMOV. ☐ 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 1650' FSL & 1650' FEL

At top prod. interval reported below 1650' FSL & 1650' FEL

At total depth 1650' FSL & 1650' FEL

ACCEPTED FOR RECORD

MAR 14 2005

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

5. LEASE DESIGNATION AND SERIAL NO.
NMNM94839

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Pending

8. FARM OR LEASE NAME, WELL NO.
Wigeon 23 Federal Com No. 1

9. API WELL NO.
30-015-33563 S1

10. FIELD AND POOL, OR WILDCAT
Cottonwood Draw; Atoka

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 23-T25S-R26E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

15. DATE SPUDDED 09-15-04 16. DATE T.D. REACHED 10-17-04 17. DATE COMPL. (Ready to prod.) 02-09-05 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3377' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 12300' 21. PLUG, BACK T.D., MD & TVD 10750' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY All 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 10357' - 10556' Cottonwood Draw; Atoka 25. WAS DIRECTIONAL SURVEY MADE Yes

RECEIVED

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Spaced Neutron, DLL Microguard, Cement Bond Log

MAR 16 2005

27. WAS WELL CORRED 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" J-55	54.5 #	403'	17-1/2"	400sx Prem circ 94sx	
9-5/8" NS-110	40 #	1919'	12-1/4"	675sx IntC/Prem circ 63 sx	
7" P-110	23#	10022'	8-3/4"	1675sx IntH/SupH/IntC/Prem circ 70sx TOC	100'
4-1/2" HCP-110	11.6#	12300'	6-1/8"	410 sx SupH TOC 6550'	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	10290'	10290'

31. PERFORATION RECORD (Interval, size and number)
11168' - 11182' 6J SPF 84 Holes Set CIBP @ 11140' w 35' cement
10806' - 10818' 6 JSPF 72 Holes Set CIBP @ 10750' w 35' cement
10357' - 10556' 6 SPF 180 Holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
11168' - 11182'	2000gal 15% FenChek w/ 150 RCNBS
10806' - 10818'	20000gal foam CO2+Meth 22000# 18/40 VProp
10357' - 10556'	5000gal 15% NEFE HCL w/ 165 RCNBS
10357' - 10556'	184000gal slick H2O 46300# 30/60 IntProp

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
02-09-05		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
02-25-05	24	30/64		0	197	93	NA
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
500	1000		0	197	93	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 Kueger TITLE Regulatory Analyst DATE March 7, 2005

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	TOP		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Bone Spring	6176'					
Wolfcamp	8619'					
Strawn	10608'					
Atoka	10800'					
Morrow	11418'					

OPERATOR: GRUY PETROLEUM
WELL/LEASE: WIGEON 23 FED COM #1
COUNTY: EDDY, NM

080-0026

STATE OF NEW MEXICO
DEVIATION REPORT

172	1	8,425	1 1/2
400	1	8,957	2
782	1 1/4	9,216	2 1/2
1,132	1 3/4	9,311	1 1/2
1,480	1 3/4	9,444	1 1/2
1,709	1 1/2	9,592	1 1/2
1,864	1 3/4	10,000	3/4
2,200	1	10,573	1 1/4
2,538	1 1/2	11,056	1/4
2,846	1	11,534	1/2
3,150	1 1/2	12,023	1 1/2
3,326	1 1/2	12,300	1 1/2
3,684	1 1/2		
3,943	1 1/2		
4,197	1		
4,543	1 1/2		
4,961	1 1/2		
5,242	1 1/2		
5,565	1 1/2		
5,801	1 1/2		
6,105	1 1/2		
6,418	1 1/2		
6,699	1 1/2		
6,997	1 1/2		
7,308	1 1/2		
7,558	1 1/2		
7,822	1 1/2		
8,129	1 1/2		

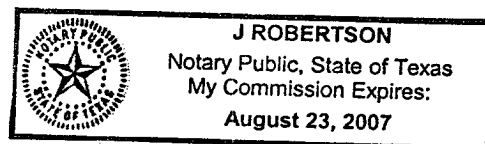
By: *Steve Moore*

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on November 15th, 2004, by
Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Robertson

My Commission Expires: 8/23/2007



DISTRICT I

P.O. Box 1880, Hobbs, NM 88241-1880

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT II

P.O. Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. BOX 2088, SANTA FE, N.M. 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-33563	Pool Code	Pool Name Cottonwood Draw; Atoka
Property Code	Property Name WIGEON "23" FEDERAL COM.	Well Number 1
GRID No. 162683	Operator Name GRUY PETROLEUM MANAGEMENT CO.	Elevation 3256'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	23	25-S	26-E		1650	SOUTH	1650	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 320	Joint or Infill Y	Consolidation Code C	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. Signature Zeno Farris Printed Name Mgr Operations Admin Title March 7, 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. March 04, 2004 Date Surveyed Signature & Seal of Professional Surveyor Certificate No. GARY EIDSON 12641