

UNITED STATES
DEPARTMENT OF THE INTERIORS
BUREAU OF LAND MANAGEMENT
PERMIT DIV-Dist. 2

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

dsf

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. GENV. ☐ 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' FNL & 1650' FWL 47-F
At top prod. interval reported below 1650 FNL & 1650 FWL
At total depth 1650 FNL & 1650 FWL

ACCEPTED FOR RECORD

DEC 18 2002

ALEXIS C. SWOBODA

14. PERMIT NO. PETROLEUM WATER GUYER

5. LEASE DESIGNATION AND SERIAL NO.

NM 0475051

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

SRM - 1144

8. FARM OR LEASE NAME, WELL NO.

Pennzoil 9 Federal Com 3

9. API WELL NO.

30-015-32342 SI

10. FIELD AND POOL, OR WILDCAT

White City; Penn (Gas)

11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA

Sec 9 T-24S- R-26E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

15. DATE SPUDDED 6-26-02 16. DATE T.D. REACHED 7-24-02 17. DATE COMPL. (Ready to prod.) 9-13-02 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 3422' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 12000' 21. PLUG, BACK T.D., MD & TVD 11950' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS All

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* White City; Penn 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Spaced Neutron GRL, Dual Laterlog Micro-SFL, Cement Bond Log 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" H-40	48 #	445'	17-1/2"	490 sx C 4% gel circ 93 sx to pit	
9-5/8" J-55	36 #	3815'	12 1/4"	1200 sx interfill circ 200 sx to pit	
5-1/2" N-80	17#	12000'	8-3/4"	1725 sx Interfil/PermTOC 3300'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	11248'	11248'

30. TUBING RECORD

31. PREPARATION RECORD (Interval, size and number)

11735 - 11893 3 & 6 SPF 102 Holes
11533 - 11686 3 & 6 SPF 180 Holes
11314 - 11358 6 SPF 84 Holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
11533 - 11893	4230 gal Claysafe w N2 Foam
11314 - 11893	216500 gal 45# gel 7% KCL w CO2
	148200 # 20/40 interprop sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
9-13-02		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-19-02	24	32/64	→	-0-	3286	-0-	NA
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
2826	-0-	→	-0-	3286	-0-	NA	

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

35. LIST OF ATTACHMENTS

NM C-122, 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

Zeno Farris

TITLE

Manager Operations Admin.

DATE

12/16/02

*(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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Bone Spring	5330					
Wolfcamp	8550					
Strawn	10360					
Atoka	10860					
Morow	11310					
Mississippian	11890					

RECEIVED
2002 DEC 17 AM 10:09

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

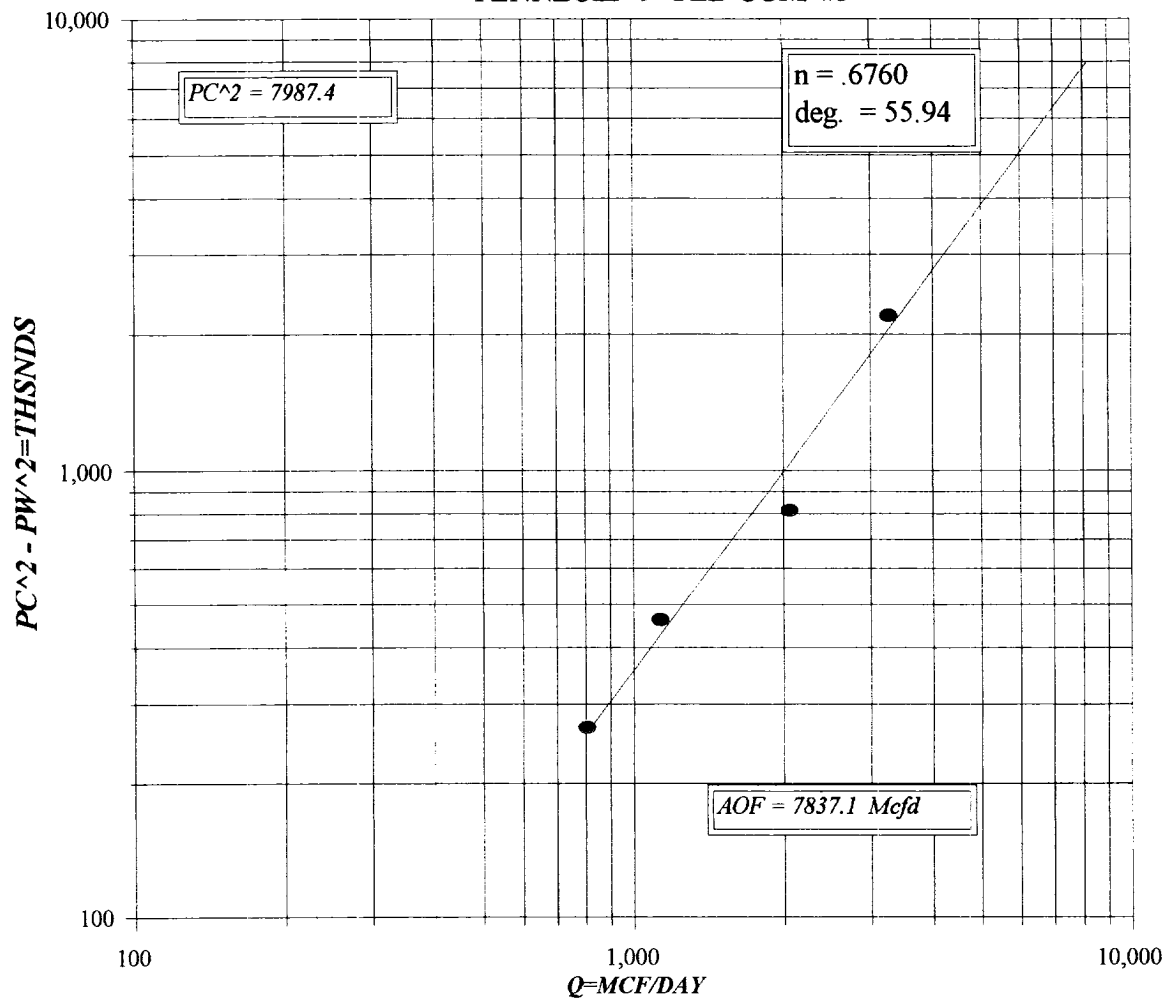
State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator GRUY PET. MANAGEMENT CO.				Lease or Unit Name PENNZOIL "9" FED COM.					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9/19/02		Well No. 3	
Completion Date 9/13/02		Total Depth 12000		Plug Back TD 11950		Elevation 3422 GL		Unit Ltr - Sec - TWP - Rge F 9 24S 26E	
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 12000	Perforations: From: 11314 To: 11893				County EDDY	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 11248	Perforations: From: To:				Pool	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11248				Formation MORROW	
Producing Thru Tubing		Reservoir Temp. °F 186		Mean Annual Temp. °F 60		Baro. Press.-P _a 13.2		Connection AIR	
L 11248	H 11248	Gg 0.607	%CO ₂ 3.088	%N ₂ 0.696	%H ₂ S N/A	Prover N/A	Meter Run 4.026	Taps FLG	
FLOW DATA				TUBING DATA				CASING DATA	
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F
SI						2813	N/A	PKR	N/A
1	4.026 X 2.000		315	3	82	2764			1 HR
2	4.026 X 2.000		315	6	90	2727			1 HR
3	4.026 X 2.000		310	20	85	2654			1 HR
4	4.026 X 2.000		320	48	78	2361			1 HR
5									
RATE OF FLOW CALCULATIONS									
No.	COEFFICIENT (24 Hour)		$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q. Mcfd	
1	19.81		31.4	328.2	0.9795	1.284	1.039	812	
2	19.81		44.4	328.2	0.9723	1.284	1.036	1137	
3	19.81		80.4	323.2	0.9768	1.284	1.037	2071	
4	19.81		126.5	333.2	0.9831	1.284	1.039	3286	
5									
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A Mcf bbl.				
1	0.79	542	1.54	0.926	A.P. I. Gravity of Liquid Hydrocarbons N/A Deg.				
2	0.8	550	1.57	0.932	Specific Gravity Separator Gas 0.607 XXXXXXXX				
3	0.79	545	1.55	0.93	Specific Gravity Flowing Fluid N/A XXXXXX				
4	0.78	538	1.53	0.927	Critical Pressure 682 P.S.I.A. P.S.I.A.				
5					Critical Temperature 350 R. R.				
P _c 2826.2 P _{c2} 7987.4									
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = \frac{3.61}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.385$				
1		2778.8	7721.7	265.7					
2		2743.4	7526.1	461.3					
3		2677.9	7171.3	816.1					
4		2404	5779.2	2208.2					
5									
Absolute Open Flow 7837.1					Mcf/d @ 15.025		Angle of Slope (°): 55.94		Slope n: 0.676
Remarks: * NO LIQUID MADE DURING TEST.									
Approved By Division:			Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER			Checked By: MB	

GRUY PET. MANAGEMENT CO.
PENNZOIL "9" FED COM #3





4016 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

SAMPLE:

LEASE.

PLANT:

SAMPLED BY. Merv Buckner

ANALYSIS BY: Vickie Biggs

REMARKS:

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Hydrogen Sulfide	(H2S)		
Nitrogen	(N2)	0.696	
Carbon Dioxide	(CO2)	8.088	
Methane	(C1)	93.743	
Ethane	(C2)	1.815	0.484
Propane	(C3)	0.248	0.068
I-Butane	(IC4)	0.034	0.011
N-Butane	(NC4)	0.041	0.013
I-Pentane	(IC5)	0.015	0.005
N-Pentane	(NC5)	0.020	0.007
Hexane Plus	(C6+)	0.300	0.130
		100.000	0.718

BTU/CU.FT. - DRY	1003
AT 14.650 DRY	1000
AT 14.650 WET	988
AT 14.73 DRY	1006
AT 14.73 WET	988

MOLECULAR WT. 17.5918

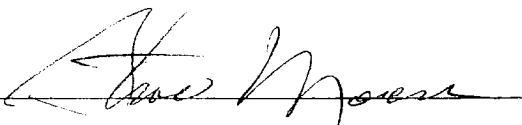
SPECIFIC GRAVITY -
CALCULATED 0.607
MEASURED

OPERATOR: MAGNUM HUNTER RESOURCES
WELL/LEASE: PENNZOIL 9 FED. COM. # 3
COUNTY: EDDY

080-0008

STATE OF NEW MEXICO
DEVIATION REPORT

242	1
445	1
606	1 1/2
951	1 1/2
1,209	1 1/2
1,401	2 1/4
1,594	2
1,781	1 1/2
2,067	1 1/4
2,567	1 1/4
3,053	1/2
3,532	1 1/4
3,815	1/2
4,307	3/4
4,783	1/2
5,260	3/4
5,736	3/4
6,213	1
6,689	1
7,165	1 1/4
7,642	1
7,865	1
8,339	2
8,816	1 3/4
9,293	2 1/4
9,770	2 3/4
10,248	1 1/2
10,693	4 1/2
10,900	4 1/2
11,396	4
11,775	3 1/2
12,000	3 1/2

By: 

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 29th day of July, 2002, by
Steve Moore on behalf of Patterson-UTi Drilling Company LP, LLLP.


Notary Public for Midland County, Texas

My Commission Expires: 3/31/2003

