

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

Submit in Duplicate\*  
(See other instructions  
on reverse side)

2005 JUL 20 PM 12 58

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>						5. LEASE DESIGNATION AND SERIAL NO. <b>NMSF078464</b>	
b. TYPE OF COMPLETION: NEW <input checked="" type="checkbox"/> WORK <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF. <input type="checkbox"/> OTHER <input type="checkbox"/> WELL OVER BACK RESVR						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR <b>PATINA OIL &amp; GAS CORPORATION</b>						7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. <b>5802 HIGHWAY 64, FARMINGTON, NM 87401 (505) 632-8056</b>						8. FARM OR LEASE NAME, WELL NO. <b>CAIN FEDERAL #3</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <b>945' FSL &amp; 1945' FEL, UL "O"</b> At top prod. interval reported below <b>Same</b>  At total depth <b>Same</b>						9. API WELL NO. <b>30-045-32605</b>	
10. FIELD AND POOL, OR WILDCAT <b>Basin Dakota / Basin Fruitland Coal</b>						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <b>SEC. 25, T31N, R13W</b>	
14. PERMIT NO. DATE ISSUED						12. COUNTY OR PARISH <b>San Juan County</b>	
13. STATE <b>NM</b>						19. ELEV. CASINGHEAD	
15. DATE SPUNDED <b>5/5/2005</b>		16. DATE T.D. REACHED <b>5/19/2005</b>		17. DATE COMPL. (Ready to prod.) <b>7/15/2005</b>		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <b>5935' GL</b>	
20. TOTAL DEPTH, MM & JJJ <b>6855'</b>		21. PLUG, BACK T.D., MD & TTT <b>6849'</b>		22. IF MULTIPLE COMPL., HOW MANY? <b>2</b>		23. INTERVALS DRILLED BY <b>X</b>	
24. PRODUCTION INTERVAL(S) OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD) <b>2010' - 2170' BASIN FRUITLAND COAL</b>						25. WAS DIRECTIONAL SURVEY MADE <b>YES</b>	
26. TYPE ELECTRIC AND OTHER LOGS-RUN <b>IND/GR/DEN/NEUT/CBL</b>						27. WAS WELL CORED <b>NO</b>	
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	
9-5/8"	36# J55	323'	13-1/2"	275 sx		Circ 15 bbl to surface	
7"	23# L80	5010'	8-3/4"	705 sx		Circ 100 bbl to surface	
4-1/2"	11.6# N80	6855'	6-1/4"	225 sx		Circ 10 bbl to surface	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	4675'	6855'	225 sx		2-3/8"	2228'	2350
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
2080' - 2170' 72 shots, 3 JSPF				DEPTH INTERVAL (MD) 2080' - 2170'			
2010' - 2040' 54 shots, 3 JSPF				AMOUNT AND KIND OF MATERIAL USED			
4-1/2" Casing Gun, 120 Degree Phasing				Frac: 86,643# sand, max psi: 940, avg psi: 743, max rate: 30.2 bpm, avg rate: 26.5 bpm, ISIP: 585, 5 min: 520 psi, 10 min: 493 psi, 15 min: 477 psi			
				Frac: 100,000# sand, max psi: 1426, avg psi: 1277, max rate: 35.5 bpm, avg rate: 35.3 bpm, ISIP: 1208, 5 min: 1107 psi, 10 min: 1023 psi, 15 min: 925 psi			
33. PRODUCTION							
DATE FIRST PRODUCTION <b>ASAP</b>		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) <b>Flowing</b>				WELL STATUS (Producing or Shut-In) <b>Shut-In</b>	
DATE OF TEST <b>7/14/2005</b>	HR'S TESTED <b>3</b>	CHOKE SIZE <b>0.500"</b>	PROD'N FOR TEST PERIOD	OIL--BBL <b>0</b>	GAS--MCF <b>22</b>	WATER--BBL <b>2.4</b>	GAS-OIL RATIO <b>N/A</b>
FLOW TUBING PRESS <b>20#</b>	CSG PRESS <b>110#</b>	CALCULATED 24-HOUR RATE	OIL--BBL <b>0</b>	GAS--MCF <b>178</b>	WATER--BBL <b>20</b>	OIL GRAVITY--API (CORE.) <b>N/A</b>	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <b>Vented</b>				TEST WITNESSED BY <b>ACCEPTED FOR RECORD</b>			
35. LIST OF ATTACHMENTS <b>Deviation Survey</b>							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.							
SIGNED <u>M. Miranda Martinez</u> e-mail: <u>mmartinez@patinasanjuan.com</u>				TITLE <u>REGULATORY ANALYST</u>			
				BY <u>[Signature]</u> DATE <u>7/19/2005</u>			

\*(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.

**NMCCD**

**CAIN FEDERAL #3**

**API #: 30-045-32605**

**Estimated Formation Tops**

Fruitland	1537
Pictured Cliffs	2225
Cliffhouse	3769
Menefee	3931
Point Lookout	4552
Gallup	5903
Greenhorn	6600
Graneros	6657
Dakota	6711

***TOTAL DEPTH* 6855'**