

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other						5. Lease Serial No. NMSF078094					
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____						6. If Indian, Allottee or Tribe Name					
2. Name of Operator MARKWEST RESOURCES INC						8. Lease Name and Well No. FULLERTON FEDERAL 111					
3. Address 155 INVERNESS DRIVE WEST ENGLEWOOD, CO 80111						9. API Well No. 30-045-31141-00-S1					
4. Location of Well (Report location clearly and in accordance with Federal requirements) Sec 11 T27N R11W Mer NMP At surface NESE 1635FSL 1020FEL At top prod interval reported below At total depth						10. Field and Pool, or Exploratory BASIN FRUITLAND COAL					
14. Date Spudded 02/11/2003						15. Date T.D. Reached 02/26/2003		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 03/22/2003		17. Elevations (DF, KB, RT, GL)* 6004 GL	
18. Total Depth: MD TVD			1912			19. Plug Back T.D.: MD TVD			20. Depth Bridge Plug Set: MD TVD		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL DIL						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)					
23. Casing and Liner Record (Report all strings set in well)											
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled		
12.250	8.625 LS	23.0	0	173		150		0			
6.250	4.500 K55	11.0	0	1912		254		0			
24. Tubing Record											
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)			
2.375	1755										
25. Producing Intervals						26. Perforation Record					
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status			
A) FRUITLAND COAL		1769	1780	1589 TO 1708		0.450	48	OPEN			
B) FRUITLAND COAL		1769	1780	1769 TO 1780		0.450	44	OPEN			
C)											
D)											
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.											
Depth Interval		Amount and Type of Material									
1589 TO 1708		FRAC W/115,000# 20/40 B SAND IN 75Q FOAM W/25# X-L									
1589 TO 1708		ACDZ W/1100 GALS 15% HCL & 9-7/8 1.3 GR BALL SEAL									
1769 TO 1780		FRAC W/39,000 GAL OF 70 QUALITY FOAM USING 25# GEL									
1769 TO 1780		ACCZ W/3,000 GAL 15% HCL ACIT & 188 PERF BALLS. BA									
28. Production - Interval A											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
03/31/2003	03/31/2003	24	→	0.0	1.0	1.0			FLOWS FROM WELL		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	ACCEPTED FOR RECORD		
64	140	100.0	→					PGW	APR 01 2003		
28a. Production - Interval B											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
03/31/2003	03/31/2003	24	→	0.0	1.0	1.0			FLOWS FROM WELL		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	FARMINGTON FIELD OFFICE		
64	140	100.0	→					PGW	APR 01 2003		

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #19972 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
NACIMIENTO OJO ALAMO	0	709		OJO ALAMO	704
	709	826		KIRTLAND	810
				FRUITLAND	1496
				PICTURED CLIFFS	1785

32. Additional remarks (include plugging procedure):

Complete as single Fruitland coal.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #19972 Verified by the BLM Well Information System.
For MARKWEST RESOURCES INC, sent to the Farmington
Committed to AFMSS for processing by Adrienne Garcia on 04/01/2003 (03AXG0940SE)

Name (please print) CINDY BUSH

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 04/01/2003

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Company: MARKWEST RESOURCES
Well: FULLERTON FEDERAL #111 FC
Field: FRUITLAND COAL FORMATION
Engineer: NEIL TEFTELLER
Gauge Type: AMERADA
Gauge Range: 0-500
Gauge Depth: 1754 ft
Serial No.: 72851

County: SAN JUAN
State: NEW MEXICO
Date: 03/31/2003
Well Type:
Test Type: GRADIENT
Status: SHUT IN
File Name: 51825

Tubing: 2-3/8" TO 1755'
Tubing: TO
Casing: 4-1/2" TO 1912'
Perfs.: 1589'-1708'
Perfs.: 1769'-1780
Shut-in Time 168 hrs

PBTD 1912 ft
Oil Level
H2O Level 1694 ft

Shut-in BHP 140 @ 1754 ft Shut-in BHT 0 F @ 0 ft
Shut-in WHP 112 Shut-in WBT 0 F
Casing CSGP 100

[Tefteller Incorporated]

#	MD	TVD	PRESSURE	PSI/ft
1	0	0	111.00	
2	500	500	112.00	0.002
3	1000	1000	113.00	0.002
4	1354	1354	114.00	0.003
5	1554	1554	114.00	0.003
6	1754	1754	140.00	0.130

BAKER 1.78" 'F' NIPPLE @ 1720'

MARKWEST RESOURCES
FULLERTON FEDERAL #111 FC
SAN JUAN COUNTY, NM
FILE: 2-51B25-P
3-31-03

