

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM 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 type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plugback <input type="checkbox"/> Diff. Resv.			6. If Indian, Allottee or Tribe Name		
Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator MARKWEST RESOURCES INC			8. Lease Name and Well No. FULLERTON FEDERAL 11-23 GD		
Contact: CINDY BUSH E-Mail: cbush@markwest.com			9. API Well No. 30-045-29740-00-S3		
3. Address 155 INVERNESS DRIVE WEST ENGLEWOOD, CO 80111			3a. Phone No. (include area code) Ph: 303.925.9283		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 11 T27N R11W Mer NMP NESW 1850FSL 1850FWL At top prod interval reported below At total depth			10. Field and Pool, or Exploratory BASIN FRUITLAND COAL		
14. Date Spudded 08/25/2001			15. Date T.D. Reached 09/07/2001		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/07/2001			17. Elevations (DF, KB, RT, GL)* 6118 GL		
18. Total Depth: MD 6670 TVD			19. Plug Back T.D.: MD 6550 TVD		
20. Depth Bridge Plug Set: MD 2000 TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL GR CCL CBL		
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 J-55	24.0	0	325		213			
12.250	8.625 J55	24.0	0	325	325	213			
7.875	4.500 J55	12.0	0	6670	6670	850			
7.875	4.500 J-55	11.6	0	6670		3179			

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	6455							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FRUITLAND COAL	1701	1896	1701 TO 1896	0.450	112	OPEN
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
1701 TO 1896	FRAC'D W/147,500# W/ 20/40 SAND IN 70Q FOAM W/30#
1930 TO 1931	MIX AND PUMP 115 SKS CLASS "B" CMT W/2% CACL2 DISP

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/01/2002	09/14/2001	24	→	1.0	1.0	1.0			GAS PUMPING UNIT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64/64	300 SI 300	120.0	→	1	1	1		PGW	

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
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

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

ELECTRONIC SUBMISSION #16707 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\*

NMOCD

ACCEPTED FOR RECORD

JAN - 7 2003

FARMINGTON FIELD OFFICE  
BY /s/ Stephen Mason

## 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	0 808	808 925		OJO ALAMO KIRTLAND FRUITLAND PICTURED CLIFFS MESAVARDE GALLUP DAKOTA	816 910 1615 1900 3502 5450 6357

## 32. Additional remarks (include plugging procedure):

CBL found base of cmt @1905'. Shot 2 sq holes @1930' & sq w/115 sx cmt.  
DV Tool @5005' Cmted w/1185 sx cmt. Cir 90 bbls cmt to surface.  
4-1/2" CIBP #6550'

## 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 #16707 Verified by the BLM Well Information System.  
For MARKWEST RESOURCES INC, sent to the Farmington  
Committed to AFMSS for processing by Steve Mason on 01/07/2003 (03SXM0182SE)

Name (please print) CINDY BUSH

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 12/23/2002

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 \*\***