

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 20005. Lease Serial No.
NMSF078094

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
FULLERTON 109. API Well No.
30-045-06490-00-S210. Field and Pool, or Exploratory
BASIN11. County or Parish, and State
SAN JUAN COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

MARKWEST RESOURCES INC

Contact:

CINDY BUSH, CONS. DIV.
E-Mail: cbush@markwest.com

3a. Address

155 INVERNESS DRIVE WEST
ENGLEWOOD, CO 80111

3b. Phone No. (include area code)

Ph: 303.925.9283
Fx: 303.290.9309

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 13 T27N R11W NESE 1775FSL 0990FEL
36.57257 N Lat, 107.94907 W Lon

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Workover Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MOL & RU, test anchors, set pump, 1 frac tank & air equipment. All water to be 2% KCL. If necessary, kill well w/water. ND WH, NU BOP. TIH to tag for fill & strap OH w/2-3/8" tbg. Visually inspect tbg & replace all bad jts. Visually inspect wellhead & repair as needed. Pressure test tbg & replace all bad jts. If necessary, TIH w/3-7/8" bit & CO to 1900' w/air/mist. TOH. Rabbit in hole w/2-3/8" tbg & land @1835' w/SN one jt above open ended bottom. ND BOP, NU WH. Unload & blow well as needed & place on line.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #16570 verified by the BLM Well Information System
For MARKWEST RESOURCES INC, sent to the Farmington
Committed to AFMSS for processing by Steve Mason on 12/06/2002 (03SXM0128SE)

Name (Printed/Typed) CINDY BUSH

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 12/03/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By STEPHEN MASON

Title PETROLEUM ENGINEER

Date 12/06/2002

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

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 **

NMOCD

MARKWEST RESOURCES, INC.
FULLERTON FEDERAL #10 PC
I Sec. 13 – T27N – R11W, San Juan County, N.M.
1775' FSL & 990 FEL

REPAIR TUBING LEAK IN PC WELL
Pertinent Data Sheet

Field: West Kutz PC**Elevation:** 6083' GL
KB=10'**TD:** 6534'**Spud Date:** 5/15/62**PBTD:** 1900'**DK Completion Date:** 4/10/62**PC Completion Date:** 12/30/84**CASING PROGRAM:**

Hole Size	Csg Size	Wt. & Grade	Depth Set	Cement	TOC
12-1/4"	8-5/8"	24# J-55	234'	125 cf	Surface (Calc.75%)
7-7/8"	4-1/2"	11.6# J-55	6534'	378 cf	5126' - CBL
		Stg Tool @	N/A	177 cf	1590' - CBL

Tubing Record:

2-3/8"	4.7# J-55	1820'
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Formation Tops:

Ojo Alamo	792'	Point Lookout	4267'
Kirtland	896'	Gallup	5380'
Fruitland	1380'	Greenhorn	6210'
Pictured Cliffs	1827'	Dakota	6380'

Logging Record: Induction & CBL 4/62, Neutron & CBL 1/84, 1900'**Stimulation:** Perf DK @ 6384'-86', 6388'-90', 6392'-94', 6396'-98', 6400'-02'. Frac w/30,000# sand in water. ISICP=1380 psi.

Workover History: 12/16/64: CO to 6455' & run 1-1/4" tbg. 3/8/72: W/pkr @ 6350', sq bradenhead w/pkr fluid. 5/24/72: CO to 6455'. Ran tbg & pkr & set pkr @ 6346' w/tbg @ 6379'. 5/9/84: Push pkr to 6436'. Cut tbg @ 6240'. Ran 2-3/8" tbg & set tbg @ 6383' w/pkr @ 6317'. Acidized DK w/1000 gal 15% HCL. The sundry resulted in a demand letter from the BLM. 7/31/84: TOH w/tbg & pkr. Set RBP @ 6350' & located csg leaks @ 2965'-4378'. Sq csg leaks w/150 sx cmt. Re-sq w/125 sx cmt. Re-sq w/150 sx cmt. Landed tbg @ 6407'. 12/30/84: Attempted to set 4-1/2" CIBP @ 6300', but actually set @ 4740'. Set 4-1/2" CIBP @ 4239'. Circ. hole w/abandonment mud. Cap CIBP @ 4239' w/9.44 cf cmt. Spot 9.44 cf cmt 2015'-1900'. Log CNL & CBL 1900' to 1645'. Perf 1830'-38' w/4 spf. Frac PC w/53,000# 10/20 sand in foam. 6/25/99: CO sand 1840'-1900'.

Production History: DK cum = 555 MMCF. PC cum = 638 MMCF. Recently well suddenly dropped in producing rate from 125 MCF/D to 0 MCF/D. Tubing and casing are now always equal. BHP in 1991 @ 1750' = 225 psi.

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REPAIR TUBING LEAK IN PC WELL

GENERAL

- * Prior to rig-up and commencement of operations, review the attached general wellsite stipulations.
- * All information concerning the workover operations of this well shall remain **confidential** and shall not be released without the written consent of MarkWest Resources.

1. MOL & RU, test anchors, set pump, 1 frac tank & air equipment. **All water to be 2% KCL.**
2. If necessary, kill well w/ water.
3. ND WH, NU BOP. TIH to tag for fill & strap OH w/2-3/8" tbg. Visually inspect tbg & replace all bad jts. Visually inspect wellhead & repair as needed. Pressure test tbg & replace all bad jts.
4. If necessary, TIH w/3-7/8" bit & CO to 1900' w/air/mist. TOH.
5. Rabbit in hole w/2-3/8" tbg & land @ 1835' w/SN one jt above open ended bottom.
6. ND BOP, NU WH. Unload & blow well as needed & place on line.

EQUIPMENT & VENDORS LIST

ITEM:	VENDOR	PHONE #
RIG:	A-PLUS WELL SERVICES	505-325-2627
RIG SUPERVISOR:	MIKE CONFER	505-599-7461 505-330-2022
ENGR. CONSULTANT	MIKE PIPPIN	505-327-4573 505-330-0495
WIRELINER:	BASIN	505-327-5244
CEMENT	AMERICAN ENERGY	505-325-4192
PACKERS	BAKER	505-325-0216
TRUCKING:	C & J TRUCKING	505-325-7770

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FRAC TANKS:	C & J TRUCKING	505-325-7770
WELLHEAD	WSI	505-326-0308
WATER	C & J TRUCKING	505-325-7770
AIR PACKAGE	MOBILE AIR SERVICE	505-324-6712

Fullerton Fed. #10 PC

Current
West Kutz Pictured Cliffs

(I) Section 13, T-27-N, R-11-W, San Juan County, NM

Today's Date: 10/7/02
Spud: 5/15/62
DK Completed: 4/10/62
PC Completed: 12/30/84

Elevation: 6083' GL
10' KB

Ojo Alamo @ 792'

Kirtland @ 896'

Fruitland @ 1380'

Pictured Cliffs @ 1827'

PBTD @ 1900'

Point Lookout @ 4267'

Gallup @ 5380'

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Dakota @ 6380'

