

8/20/01

122/28930

AMEND DHC-2379

District I
1625 N. French Drive, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised May 15, 2000

District II
1301 W. Grand Avenue, Artesia, NM 88210

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

OIL CONSERVATION DIV
APPLICATION TYPE
XX Single Well
Establish Pre-Approved Pools
EXISTING WELLBORE
XX Yes

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

APPLICATION FOR DOWNHOLE COMMINGLING

OPERATOR: MARKWEST RESOURCES, INC., 155 INVERNESS DRIVE WEST, #200 ENGLEWOOD, CO 80112-5000
CONTACT: MIKE PIPPIN Mobile: 505-330-0495, Office 505-327-4573

FULLERTON FEDERAL 11-23 GD UNIT K, NESW SEC. 23-T27N-R11W, NMPM SAN JUAN COUNTY, NM

Lease Well No. Unit Letter-Section-Township-Range County

OGRID #: Gas 2823666 Property Code: 027408 API No. 30-045-29740 Lease Type: Federal State Fee
Oil: 2823665

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Basin Fruitland Coal	South Kutz Gallup	Basin Dakota
Pool Code		96852	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)		5794' - 5810'	6436' - 6482'
Method of Production (Flowing or Artificial Lift)		Flowing	flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	Est. SICP 2240 psi	Est. SICP 360 psi	Est. SICP 360 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1.06	Gravity 46.4 Btu 1.271	Gravity 46.4 Btu 1.271
Producing, Shut-In or New Zone	New	Producing	Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: Rates: 80 MCF/D PLEASE SEE ATTACHMT.	Date: 07/14/2001 Rates: 95 MCF/D, 0.7 BOPD	Date: 07/14/2001 Rates: 24 MCF/D, 0.5 BOPD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas % %	Oil Gas 56 % 81 %	Oil Gas 44 % 19 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes No

If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No

Are all produced fluids from all commingled zones compatible with each other? Yes No

Will commingling decrease the value of production? Yes No

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes No

NMOCD Reference Case No. applicable to this well: _____

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data. **See attached.**
- Data to support allocation method or formula. **We plan to consult the District Office in Aztec for the allocation following the workover.**
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kevin L. Stowe TITLE LAND MANAGER DATE JULY 16, 2001

TYPE OR PRINT NAME: KEVIN L. STOWE TELEPHONE NO. : 303-290-8700

**MARKWEST RESOURCES INC.
FULLERTON FED. 11 #23 GD
K Sec. 11 – T27N – R11W, San Juan County, New Mexico
1850' FSL & 1850 FWL
FRTC RECOMPLETION & COMMINGLE W/GAL/DK**

**ANTICIPATED PRODUCING RATE CALCULATION
FROM NEARBY MARK WEST WELLS**

Fullerton Fed. #11-41	A 11 27 11	85 MCF/D
Fullerton Fed. #14-32	G 14 27 11	66 MCF/D
Fullerton Fed. #15-41	A 15 27 11	85 MCF/D
Fullerton Fed. #3	L 14 27 11	82 MCF/D
AVERAGE PRODUCING RATE =		80 MCF/D

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 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals & Natural Resources Department

Form C-102
 Revised August 15, 2000

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 3004529740	² Pool Code 96852, 71599, 71629	³ Pool Name South Kutz Gallup, Basin Dakota, Basin Fruitland Coal commingle
⁴ Property Code 027408	⁵ Property Name Fullerton Federal 11-23 GD	
⁷ OGRID No. 2823666	⁸ Operator Name MARKWEST RESOURCES, INC.	⁹ Elevation 6118' GR

¹⁰ Surface Location

UL or lot no. Unit Letter K	Section 11	Township 27N	Range 11W	Lot Idn	1850' Feet from the	South line	1850' Feet from the	West line	San Juan County
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ 	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature KEVIN L. STOWE Printed Name LAND MANAGER Title JULY 16, 2001 Date
	¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Date of Survey Signature and Seal of Professional Surveyor: Certificate Number

SECTION 11

BASIN DAKOTA

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 3004529740	² Pool Code 96852, 71599, 71629	³ Pool Name South Kutz Gallup, Basin Dakota, Basin Fruitland Coal commingle
⁴ Property Code 027408	⁵ Property Name Fullerton Federal 11-23 GD	
⁷ OGRID No. 2823666	⁸ Operator Name MARKWEST RESOURCES, INC.	⁶ Well Number #11-23 GD ⁹ Elevation 6118' GR

¹⁰ Surface Location

UL or lot no. Unit Letter K	Section 11	Township 27N	Range 11W	Lot Idn	1850' Feet from the	South line	1850' Feet from the	West line	San Juan County
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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16		<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Kevin L. Stowe</i> Signature</p> <p>KEVIN L. STOWE Printed Name</p> <p>LAND MANAGER Title</p> <p>JULY 16, 2001 Date</p>

SECTION 11

SOUTH KUTZ GALLUP

1980, Hobbs, NM 88241-1980
 District II
 111 South First, Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco
 Santa Fe, NM 87509

RECEIVED

NOV 23 AM 9:27

070 FARMINGTON, NM

Form C-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code 71599		3 Pool Name Basin Dakota	
4 Property Code		5 Property Name FULLERTON FEDERAL			6 Well Number 11-23 GD
7 OGRID No. 02678		8 Operator Name BONNEVILLE FUELS			9 Elevation 6118

10 Surface Location

Ul. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	11	27N	11W		1850	SOUTH	1850	WEST	SAN JUAN

11 Bottom Hole Location If Different From Surface

Ul. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.

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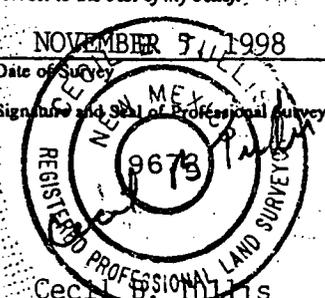
<p>16 2650.23</p> <p>S89° 46' W 2650.23</p> <p>2640</p> <p>acreege dedication in hachures</p> <p>1850'</p> <p>2648.25</p> <p>S89° 48' W 2648.25</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Alan L. Merrill</i></p> <p>Signature Alan L. Merrill Printed Name Operations Engineer Title 11/20/98 Date</p>
	<p>18 SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>NOVEMBER 7 1998 Date of Survey</p> <p>Signature and Seal of Professional Surveyor:  Certificate Number 9672</p>

Exhibit 26

1980, Hobbs, NM 88241-1980
 District II
 111 South First, Ardenia, NM 88210
 District III
 1000 Rio Bruzas Rd., Aztec, NM 87410
 District IV
 2040 South Pacheco, Santa Fe, NM 87505

RECEIVED
 OIL CONSERVATION DIVISION BLM
 2040 South Pacheco
 Santa Fe, NM 87505
 NOV 23 AM 9:27

070 FARMINGTON, NM

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
		96852		South Kutz-Gallup	
4 Property Code		5 Property Name			6 Well Number
		FULLERTON FEDERAL			11-23GD
7 OGRID No.		8 Operator Name			9 Elevation
02678		BONNEVILLE FUELS			6118

10 Surface Location

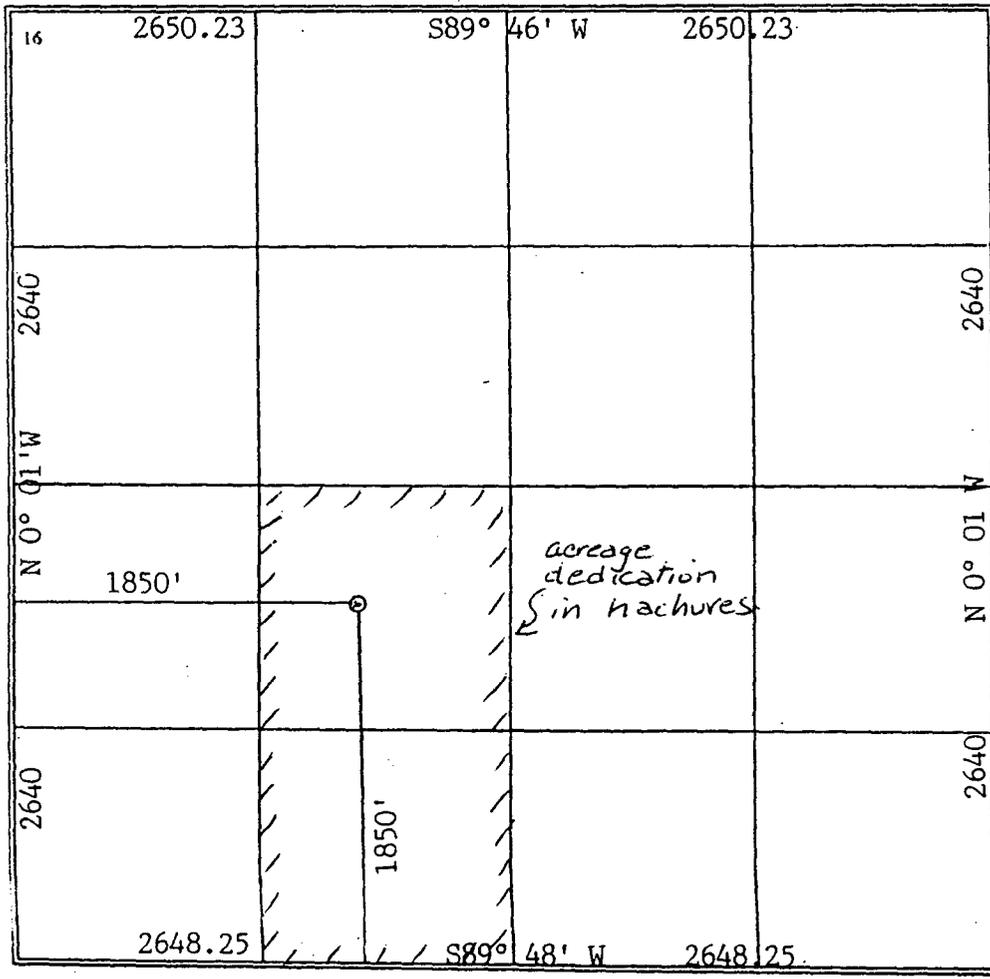
Ul. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	11	27N	11W		1850	SOUTH	1850	WEST	SAN JUAN

11 Bottom Hole Location If Different From Surface

Ul. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

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17 OPERATOR CERTIFICATION
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Alan L. Merrill
 Signature
 Alan L. Merrill
 Printed Name
 Operations Engineer
 Title
 11/20/98
 Date

18 SURVEYOR CERTIFICATION
 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

NOVEMBER 21 1998
 Date of Survey
 Signature and Seal of Professional Surveyor

 Certificate Number 9672

Exhibit 2a