

1/28/03 SUSPENSE 2/17/03 ENGINEER WVS LOGGED IN M TYPE NSL APP NO PRRV0302930652

NEW MEXICO OIL CONSERVATION DIVISION  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505

*Dakota*

ABOVE THIS LINE FOR DIVISION USE ONLY

**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

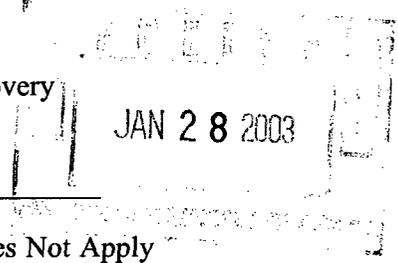
- [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL     NSP     SD

MarkWest's  
 Las Colinas #200

- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement  
 DHC     CTB     PLC     PC     OLS     OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX     PMX     SWD     IPI     EOR     PPR

- [D] Other: Specify \_\_\_\_\_



[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or \_ Does Not Apply

- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note:** Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name	Signature	Title	Date
BRIAN WOOD (505) 466-8120 FAX 466-9682	<i>Brian Wood</i>	CONSULTANT	1-28-03
			e-mail Address brian@permitswest.com

**REQUEST FOR ADMINISTRATIVE APPROVAL FOR NON-STANDARD LOCATION  
FOR MARKWEST RESOURCES, INC.  
LAS COLINAS #200 GAS WELL  
BASIN DAKOTA FIELD & POOL  
1990' FNL & 429' FWL SEC. 26, T. 30 N., R. 13 W., SAN JUAN COUNTY, NM**

I. The well bore and most of the pad are on private surface and BLM oil and gas lease NMSF-078213. The remainder of the pad is on BLM surface and the same BLM lease. The well is 795' from the closest lease line. The proposed location is non-standard for the Basin Dakota gas. A standard location must be at least 660' from the quarter section line. This well is staked 10' further south and 231' further west than is standard. (Closest standard location would be 1980' FNL and 660' FWL.) The APD is attached (EXHIBIT A).

II. A C-102 showing the well location and pro ration unit (W2 Sec. 26) is attached (EXHIBIT B). The lease (2,480 acres) is shown as a solid line on the attached (EXHIBIT C) Farmington North USGS map. The well encroaches on:

- a) the center quarter section line of the W2 Section 26 Basin Dakota gas spacing unit which is dedicated to MarkWest's existing Federal A #2 well (1190' FSL & 890' FWL 26-30n-13w), which is 2,150' south
- b) The east line of the N2 Section 27 Basin Dakota gas spacing unit which is dedicated to Energen's McGee #1 (890 FNL & 1850 FEL 27-30n-13w), which is 2,531' northwest
- c) The east line of the S2 Section 27 Basin Dakota gas spacing unit which is dedicated to Energen's McCord #5 E (950 FSL & 1725 FEL 27-30n-13w), which is 3,187' southwest

III. According to NM Oil Conservation Division records, the closest Dakota gas well is MarkWest's Federal A #2 well. It is 2,150' south at 1190' FSL & 890' FWL 26-30n-13w. A copy of the Farmington North 7.5' USGS map is attached (EXHIBIT D) showing the proposed well site, existing & applied Dakota spacing units (dashed lines), existing & applied Dakota gas wells, and 2,480 acre lease (solid line including all of Sections 25, 26, & 35 and parts of Sections 23, 27, & 34). Registered letters were sent on January 27, 2003 to all of the offset interest owners. Copies of the postal receipts and letters are attached.

IV. A copy of the Farmington North USGS map is attached (EXHIBIT E). The proposed well site is marked. Pro ration unit (dashed outline) for the Basin Dakota gas is the 320.00 acre west half of Section 26, Township 30 North, Range 13 West, NMPM, San Juan County, NM.

V. MarkWest selected its location due to topography. The drilling window is in the Farmington City Limits. Houses are to the north, east, and south. Closest house is 542' southeast. The location was selected to put it in a low forested spot selected by the neighbors to minimize impacts to the neighbors.

VI. Archaeology is not an issue.

VII. See item V. above and attached map for a description of the surface conditions.

VIII. Directional drilling is not feasible because it is not cost effective.

IX. I hereby certify notice (see attached EXHIBIT F) has been sent to the following lessees , lessors, operators of existing spacing units, or owners of undrilled leases which adjoin the applicant's spacing unit on one or more of the two sides or the single closest corner to the proposed well and that the information is current and correct.

Robert L. Bayless, Producer LLC  
Benson-Montin-Greer  
BLM  
Burlington Resources Oil and Gas Company  
Calpine Natural Gas LP  
ConocoPhillips  
Steve Dunn  
Energen Resources Corp.  
J & R Merrion Trust  
Greg T. Merrion  
Michael K. Merrion  
Merrion Oil & Gas Corp.  
Providence Minerals LLC  
Questar Exploration & Production

*B. Wood*

Brian Wood, Consultant

January 27, 2003

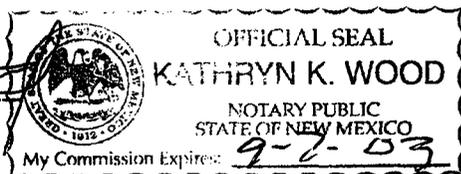
Date

STATE OF NEW MEXICO )  
 ) SS:  
COUNTY OF SANTA FE )

The foregoing instrument was acknowledged before me this 27th day of January, 2003 by Brian Wood. Witness my hand and official seal.

*Kathryn K. Wood*

Notary Public



My Commission Expires: September 7, 2003

Business Address: 37 VERANO LOOP, SANTA FE, NM 87508

cc: Aztec OCD, Stowe



Drilling Program

1. ESTIMATED FORMATION TOPS

<u>Formation Name</u>	<u>GL Depth</u>	<u>KB Depth</u>	<u>Elevation</u>
Ojo Alamo Ss	000'	12'	+5,742'
Kirtland Sh	305'	317'	+5,437'
Fruitland Coal	1,519'	1,531'	+4,223'
Pictured Cliffs Ss	1,747'	1,759'	+3,995'
Point Lookout Ss	4,142'	4,154'	+1,600'
Gallup Ss	5,472'	5,486'	+270'
Greenhorn	6,205'	6,217'	-463'
Dakota	6,309'	6,321'	-567'
Total Depth (TD)*	6,550'	6,562'	-808'

\* all elevations reflect the ungraded ground level of 5,742'

2. NOTABLE ZONES

<u>Gas &amp; Oil Zones</u>	<u>Water Zones</u>	<u>Coal Zone</u>
Fruitland	Ojo Alamo	Fruitland
Pictured Cliffs	Kirtland	
Gallup	Fruitland	
Dakota	Point Lookout	
	Dakota	

Water zones will be protected with casing, cement, and weighted mud. Fresh water found while drilling will be recorded. Oil or gas shows will be tested for commercial potential based on the geologist's recommendations.

EXHIBIT A

3. PRESSURE CONTROL

Maximum expected pressure is =1,500 psi. The drilling contract has not yet been awarded, thus the exact BOP model to be used is not yet known. A typical 11" 3,000 psi model is on PAGE 3.

BOP equipment and all accessories will meet or exceed BLM requirements in 43 CFR Part 3160 for a 3,000 psi system. A 3,000 psi double ram hydraulic BOP will be used. Accumulator system capacity will be sufficient to close all BOPE with a 50% safety factor. Fill, kill, and choke manifold lines will be 2". Accessories will include upper and lower Kelly cocks with handles, stabbing valve to fit drill pipe on floor at all times, string float at bit, 3,000 psi choke manifold with 2" adjustable and 2" positive chokes, and pressure gauge. BOPs will be tested every 24 hours. Surface casing will be tested to 500 psi for 30 minutes. Tests will be recorded on I. A. D. C. log.

4. CASING & CEMENT

<u>Hole Size</u>	<u>O.D.</u>	<u>Weight (lb/ft)</u>	<u>Grade</u>	<u>Age</u>	<u>Connection</u>	<u>GL Setting Depth</u>
12-1/4"	8-5/8"	24	K-55	New	ST & C	400'
6-1/4"	4-1/2"	11.6	N-80	New	ST & C	6,550'

Surface casing will be cemented to the surface with =330 cubic feet (=280 sacks) Class B + 1/4 lb/sk cello-flake + 2% CaCl<sub>2</sub>. Yield = 1.18 cubic feet per sack. Weight = 15.2 pounds per gallon. Volume = 100% excess. W. O. C. =12 hours. Surface casing will be tested to 500 psi for 30 minutes.

An 8-5/8" notched regular pattern guide shoe with 3 centralizers will be used on surface casing. Centralizers will be placed at 120' intervals, starting with the bottom joint. Will Baker Lock the collar to the pin or ring on the bottom joint. Will Baker Lock the shoe on the bottom. Will run a centralizer with a lock on the bottom joint and a centralizer on the second joint.

Production casing will be cemented to the surface. If cement does not circulate to the surface, then a temperature survey will be run to determine the actual top and a top job run. A 4-1/2" cement nose guide shoe with a self fill insert float will be run. Will place the float one joint above the shoe. Five centralizers will be spaced every other joint, starting with the float collar. Centralizers will be placed at 120' intervals from 960' to the surface. Total centralizers = 10 regular.

Lead with 1,584 cubic feet (1,100 sacks) Class Super H 50/50 Poz cement with 2% gel + 0.2% Veraset (thixotropic additive) + 0.1% Diacel LWL (low fluid loss) + 1.5% Zone Sealant 2000 (foamer). Mix at 13 pounds per gallon for a yield of 1.44 cubic feet per sack. Mixed to 9 pounds per gallon with 464 SCF/barrel N2. 48 hour strength = 900 psi.

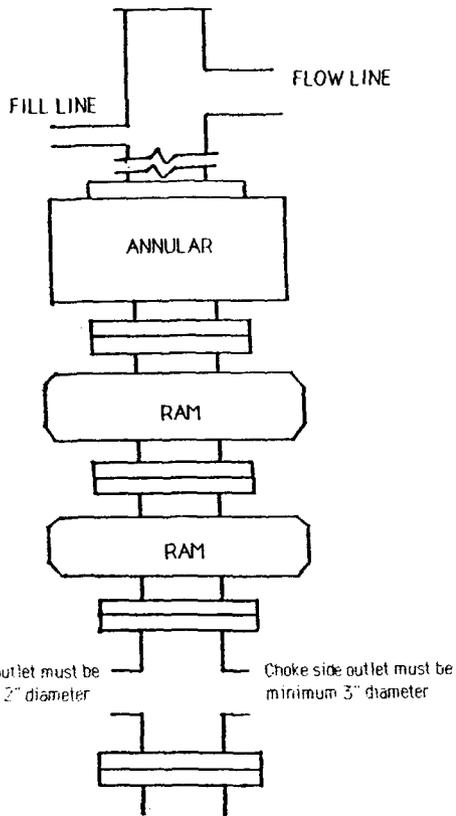
Tail with 238 cubic feet (165 sacks) 50/50 Class H Poz with 2% gel + 0.2% Veraset (thixotropic additive) + 0.1% Diacel LWL (low fluid loss). Mixed to 13 pounds per gallon with a yield of 1.44 cubic feet per sack. No N2.

Cap down annulus with 153 cubic feet (130 sacks) Class B with 2% CaCl<sub>2</sub> + 0.15% Veraset (thixotropic additive). No N<sub>2</sub>. W. O. C. = 12 hours. Pressure test to 2,000 psi.

5. MUD PROGRAM

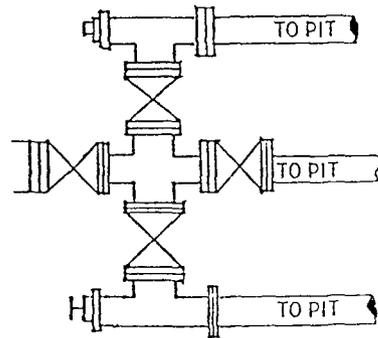
Range	Mud Type	Weight
0' - 400'	Fresh-Spud	8.4
400' - TD	LSND	8.6

A native fresh water based mud system will initially be used. It will be followed by a low solids, non-dispersed gel system to condition the hole for logs. Lost circulation, weighting, and absorption material will be on location.



TYPICAL BOP STACK  
& CHOKING MANIFOLD

There will be at least 2 chokes and 2 choke line valves (3" minimum). The choke line will be 3" in diameter. There will be a pressure gauge on the choke manifold.



Fill side outlet must be minimum 2" diameter  
 Choke side outlet must be minimum 3" diameter

Fill line will be minimum 2" diameter and have 2 valves, one of which shall be a minimum 2" check valve

Upper Kelly cock will have handle available  
 Safety valve and subs will fit all drill string connections in use  
 All ROPE connections subjected to well pressure will be flanged, welded, or clamped

EXHIBIT A

MarkWest Resources, Inc.  
Las Colinas #200  
1990' FNL & 429' FWL  
Sec. 26, T. 30 N., R. 13 W.  
San Juan County, New Mexico

PAGE 5

#### 6. CORING, TESTING, & LOGGING

No cores or drill stem tests are planned. Open hole logs will include GR, Neutron-Density, and Induction. The Neutron Density will be run from TD to 5,400'. The other logs will be run from TD to the base of the surface casing.

#### 7. DOWN HOLE CONDITIONS

No abnormal pressures, temperatures, nor hydrogen sulfide are expected. Maximum pressure will be  $\pm$ 300 psi.

#### 8. OTHER INFORMATION

The anticipated spud date is March 1, 2003. It is expected it will take about ten days to drill and seven days to complete the well. Completion will start about one month after the spud and will include hydraulic fracturing. A temporary fence will enclose the well site during drilling and completion. A security guard will be posted after hours during drilling and completion.

MarkWest Resources, Inc.  
Las Colinas #200  
1990' FNL & 429' FWL  
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San Juan County, New Mexico

PAGE 6

#### Surface Use Plan

##### 1. DIRECTIONS & EXISTING ROADS (See Pages 12, 13, & 17)

From the junction of NM 170 and Piñon Hills Boulevard ...  
Go East 2.4 miles on Piñon Hills Boulevard  
Then turn left and go Northeast 1.7 miles on County Road 1980 (Glade Road)  
Then turn right and go Southeast 0.3 mile to the existing Tiger 12 well  
Then turn left and go East cross country 1,976.79' to the proposed well site

Roads will be maintained to a standard at least equal to their present condition.

##### 2. ROAD TO BE BUILT OR UPGRADED (See Pages 13 & 17)

No upgrading is needed. The last 1,976.79' of road will be built with a 14' wide running surface and crowned and ditched where possible. Maximum grade is 10%. Maximum disturbed width will be 33'. Minimum 18" x 20' CMP culverts will be installed where needed. No fence is crossed, but a locked steel gate and fence will be installed at a natural barrier to restrict access. No turn out is needed.

##### 3. EXISTING WELLS

There are twenty-four oil or gas wells (see PAGE 13) within a mile radius according to NM Oil Conservation Division records in Santa Fe. There are 16 water wells within a mile according NM Office of the State Engineer records. There are no injection wells within a mile.

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EXHIBIT  
A

4. PROPOSED PRODUCTION FACILITIES (see PAGE 16)

A 60 barrel fiberglass open top tank, two ≈300 barrel steel tanks, ≈105 hp compressor, 3' x 10' skid mounted meter run, and two 5' x 7' x 6' high separators will be installed on the pad. The compressor will be housed in a 19' x 36' x 12' building to meet City noise abatement rules. Some of the equipment will be shared with the #100 well. All surface equipment will be painted a flat juniper green color.

MarkWest's pipelines (all on the pad) will be 4" steel (wall thickness = 0.216") and buried at least 36" deep. Maximum operating pressure = 300 psi. Test pressure = 1,600 psi. Test media = fresh water (dispose in the reserve pit). Williams Field Services will acquire the right-of-way for its buried steel 4" gas line. (Williams' closest line is a quarter mile south.) A locked gate and ≥6' high 10 gauge chain link fence with privacy strips will surround the well site after it is completed.

5. WATER SUPPLY

Water will be trucked from an existing private source.

6. CONSTRUCTION MATERIALS & METHODS

NM One Call (1-800-321-ALERT) and BLM will be notified before construction starts. As many trees as possible will be left on the perimeter to screen the well site. The south corners of the pad will be rounded to reduce the height of the cut or avoid trees. The top 6" of soil will be stockpiled west of the pad. Trees ≥6" DBH will be set on the south side for firewood. Trees ≤6" DBH will be "walked down" for erosion control on bare soil. A diversion ditch will be cut at the top of the slope on the south side of the pad. Ditch will drain west.

A ≥12 mil plastic liner will be installed in the reserve pit. The pit will be fenced sheep tight on 3 sides with woven wire fence topped with barbed wire. The fourth side will be fenced once the rig moves off.

7. WASTE DISPOSAL

All trash will be placed in a portable trash cage. It will be hauled to the county landfill. There will be no trash burning. Once dry, contents of the reserve pit will be buried in place. Human waste will be disposed of in chemical toilets and hauled to an approved dump station.

8. ANCILLARY FACILITIES

There will be no air strips or camps. Camper trailers will be on location for the guard, company man, tool pusher, or mud logger.

9. WELL SITE LAYOUT

See Pages 14 and 15 for depictions of the well pad, cross section, cut and fill diagram, reserve pit, trash cage, access onto the location, parking, living facilities, and rig orientation.

10. RECLAMATION

Reclamation starts once the reserve pit is dry. It usually takes a year for a reserve pit to fully evaporate, at which point it will be back filled. The pad and filled pit will be contoured to a natural appearance and disturbed areas ripped or harrowed. BLM "down south" (aka, dry or low mix or mix #2) seed mix (below) will be drilled at a depth and time to be determined by BLM.

EXHIBIT A

MarkWest Resources, Inc.  
Las Colinas #200  
1990' FNL & 429' FWL  
Sec. 26, T. 30 N., R. 13 W.  
San Juan County, New Mexico

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4 pounds per acre western wheatgrass  
2-1/2 pounds per acre Indian ricegrass  
1-1/2 pound per acre blue grama grass  
0.1 pound pr acre antelope bitter brush  
1/4 pound per acre four wing salt bush  
1 pound per acre small burnet

If broadcast, the rate will be increased as determined by BLM. A harrow or cable will be dragged over the area to assure seed cover. If the well is a producer, then the reserve pit and any other areas not needed for work overs will be reclaimed as previously described.

#### 11. SURFACE OWNERS

The west most 1,605.9' (i. e., Section 27) portion of the new road is on land owned by the City of Albuquerque. The City of Albuquerque Open Space Advisory Board recommended approval on December 10, 2002. The City is issuing a Right of Entry. Contact is Linda Adamsko, Real Estate Coordinator. Her phone number is (505) 768-3318. Her address is: Legal Department, Real Property Division, P. O. Box 1293, Albuquerque, NM 87103.

The next 338.55' of the new road is on land owned by Joe Hewitt. His phone number is (505) 325-5583. His address is 3414 North Monterey Circle, Farmington, NM 87401.

The east most 32.34' of road is on BLM.

The well bore and most well site construction will occur on private land which MarkWest is in the process of purchasing. The remainder of the well site is on BLM.

MarkWest Resources, Inc.  
Las Colinas #200  
1990' FNL & 429' FWL  
Sec. 26, T. 30 N., R. 13 W.  
San Juan County, New Mexico

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#### 12. OTHER INFORMATION

The nearest hospital is a 15 minute drive away in southwest Farmington.

Archaeology report CASA 02-153 will be filed December 20, 2002.

#### 13. REPRESENTATION

Anyone having questions concerning the APD should call:

Brian Wood, Consultant  
Permits West, Inc.  
37 Verano Loop  
Santa Fe, NM 87508  
(505) 466-8120      FAX: (505) 466-9682      Cellular: (505) 699-2276

Field representatives during drilling will be:

Mike Pippin      or      Mike Confer  
3104 N. Sullivan      (505) 330-2202  
Farmington, NM 87401  
(505) 327-4573  
Cellular: (505) 330-0495

Field representatives during production will be:

Rex Lancaster      or      Tap Harris  
519 E. Animas St.      (505) 320-3916  
Farmington, NM 87401  
(505) 325-1922  
Cellular: (505) 320-3075

MarkWest Resources, Inc. has the necessary consents from the proper lease owners to conduct lease operations in conjunction with this well. Bond coverage pursuant to 43 CFR 3104 for lease activities and operations is

EXHIBIT A

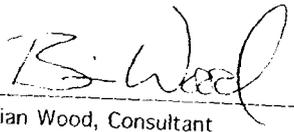
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MarkWest Resources, Inc.  
Las Colinas #200  
1990' FNL & 429' FWL  
Sec. 26, T. 30 N., R. 13 W.  
San Juan County, New Mexico

coverage pursuant to 43 CFR 3104 for lease activities and operations is being provided by MarkWest Resources, Inc.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by MarkWest Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U. S. C. 1001 for the filing of a false statement.



Brian Wood, Consultant

December 17, 2002  
Date

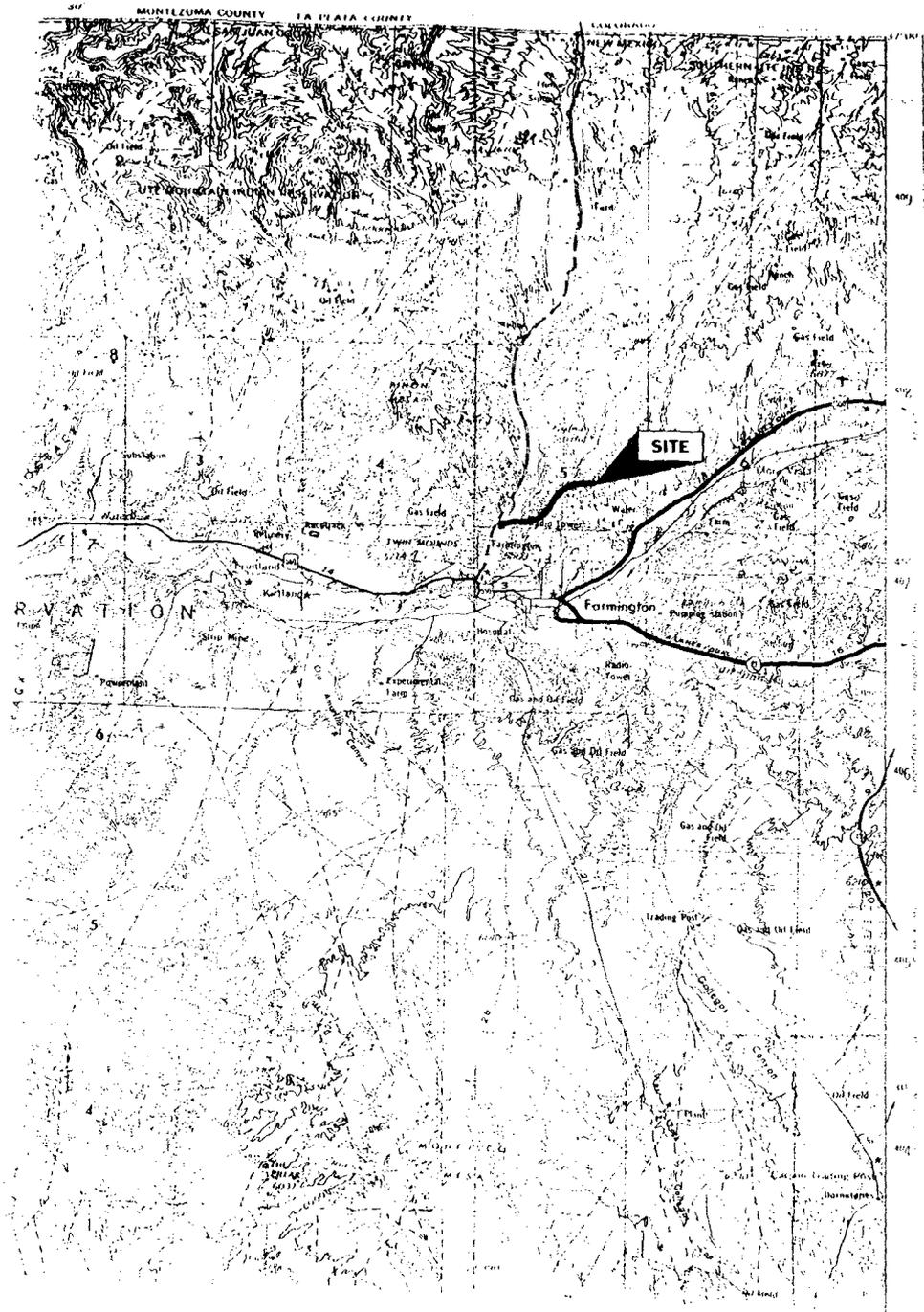


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 Las Colinas #200  
 1990' FNL & 429' FWL  
 Sec. 26, T. 30 N., R. 13 W.  
 San Juan County, New Mexico

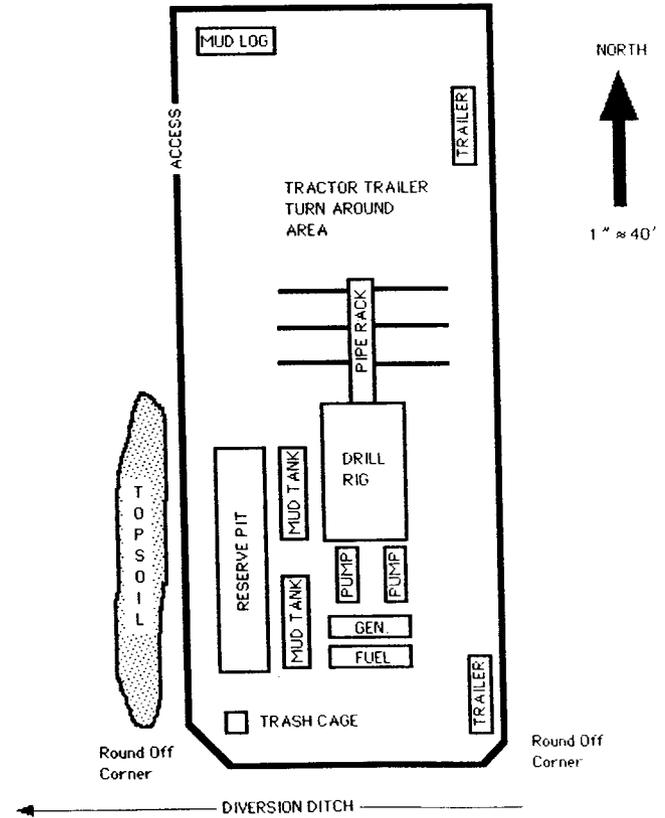
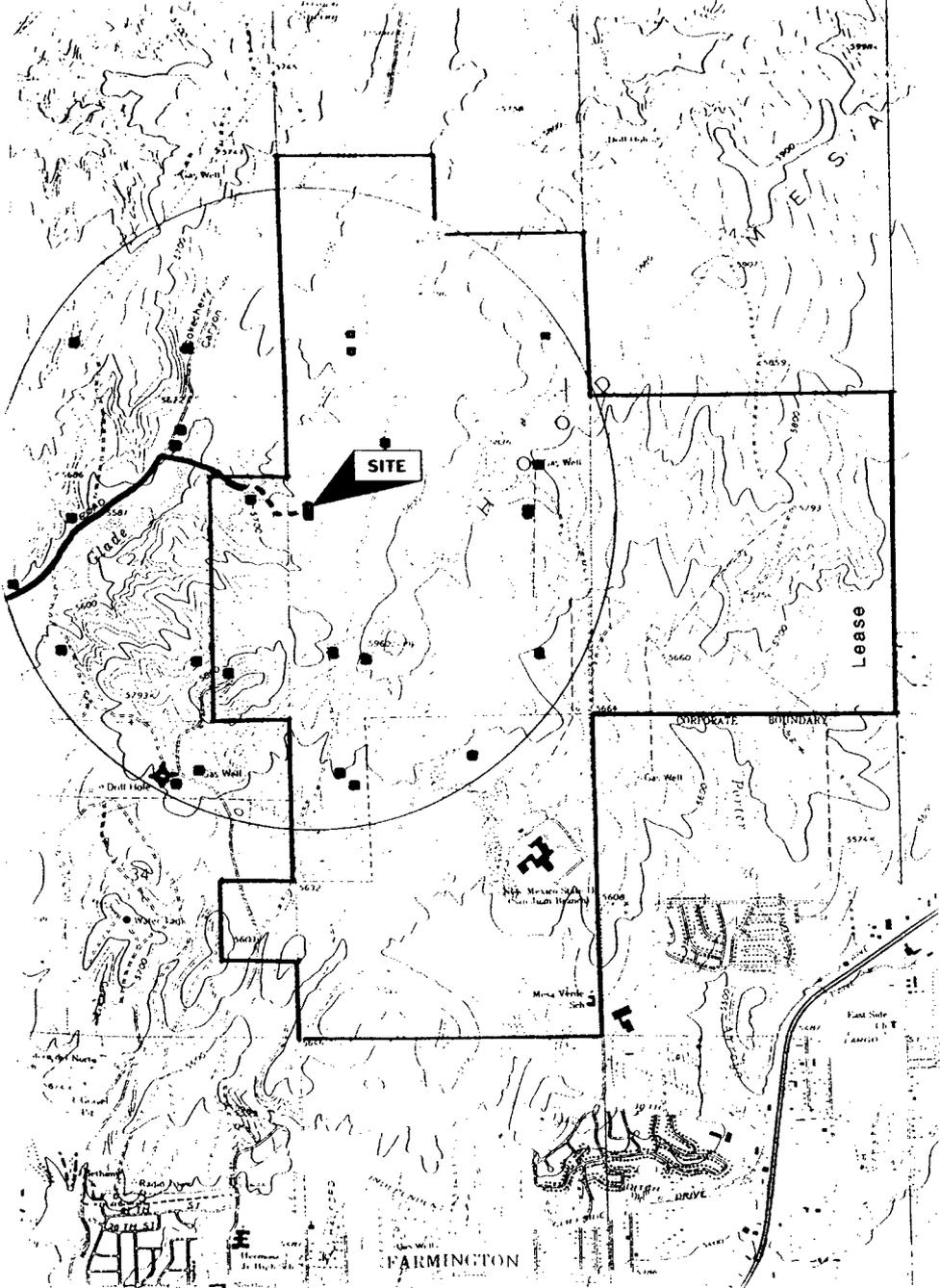
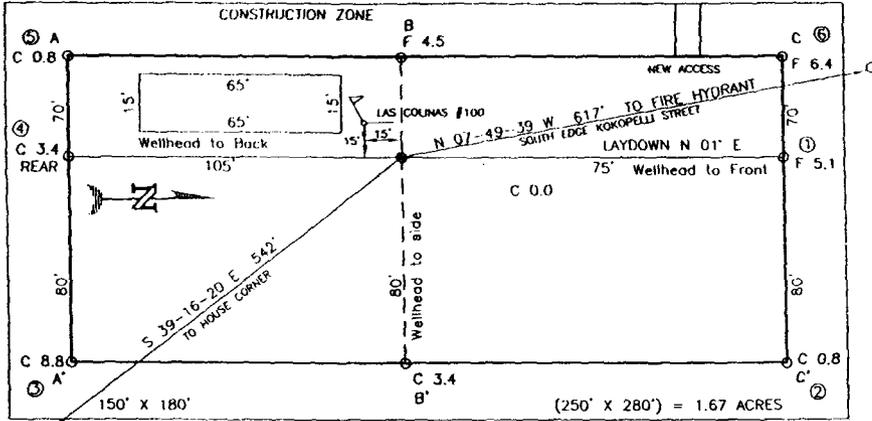


EXHIBIT A

MARKWEST RESOURCES, INC.  
 LAS COLINAS No. 200, 1990 FNL 429 FWL  
 SECTION 26, T30N, R13W, N.M.P.M., SAN JUAN COUNTY, N. M.  
 GROUND ELEVATION: 5742', DATE: NOVEMBER 13, 2002



NOTE:  
 DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

ELEV. A-A' C/L

5760				
5750				
5740				
5730				

ELEV. B-B' C/L

5760				
5750				
5740				
5730				

ELEV. C-C' C/L

5760				
5750				
5740				
5730				

NOTE: CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

DRAWN BY: B.L. ROW#: MW054 CAD#: MW054CFB DATE: 11/22/02

Daggett Enterprises, Inc.  
 Surveying and Oil Field Services  
 P. O. Box 15088 Farmington, New Mexico  
 Phone (505) 326-1772 Fax (505) 316-8019

MarkWest Resources, Inc.  
 Las Colinas #200  
 1990' FNL & 429' FWL  
 Sec. 26, T. 30 N., R. 13 W.  
 San Juan County, New Mexico

LAS COLINAS #100 PC  
 LAS COLINAS #200 DK  
 NW SEC. 26 T30N R13W  
 MARK WEST RESOURCES

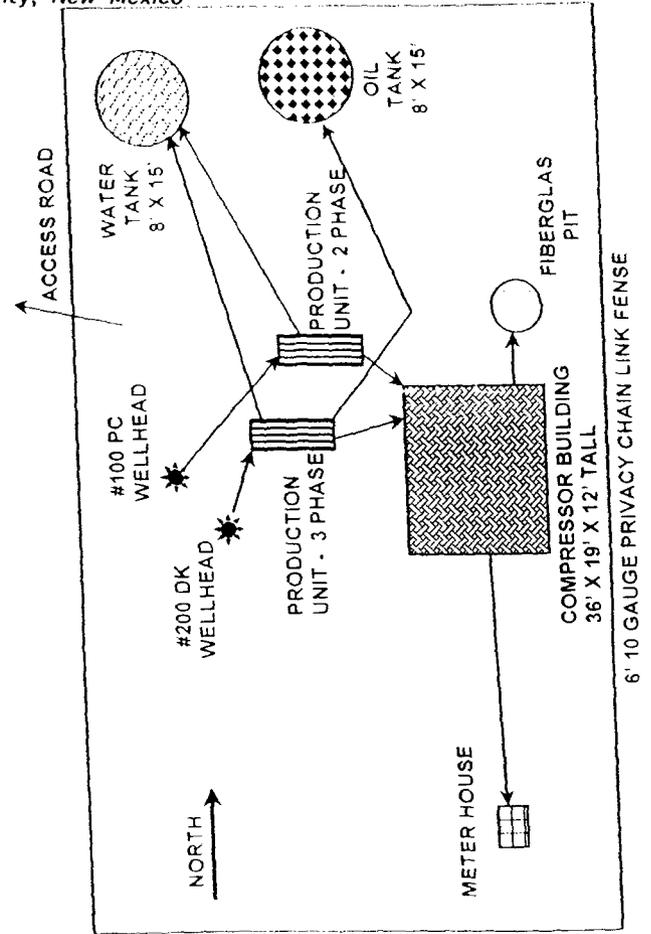


EXHIBIT A

DISTRICT I  
1626 N. French Dr., Hobbs, N.M. 88240

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised August 15, 2000

DISTRICT II  
811 South First, Artesia, N.M. 88210

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

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

AMENDED REPORT

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-		*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code .	*Property Name LAS COLINAS		*Well Number 200
*GRID No. 193195	*Operator Name MARKWEST RESOURCES, INC.		*Elevation 5742'

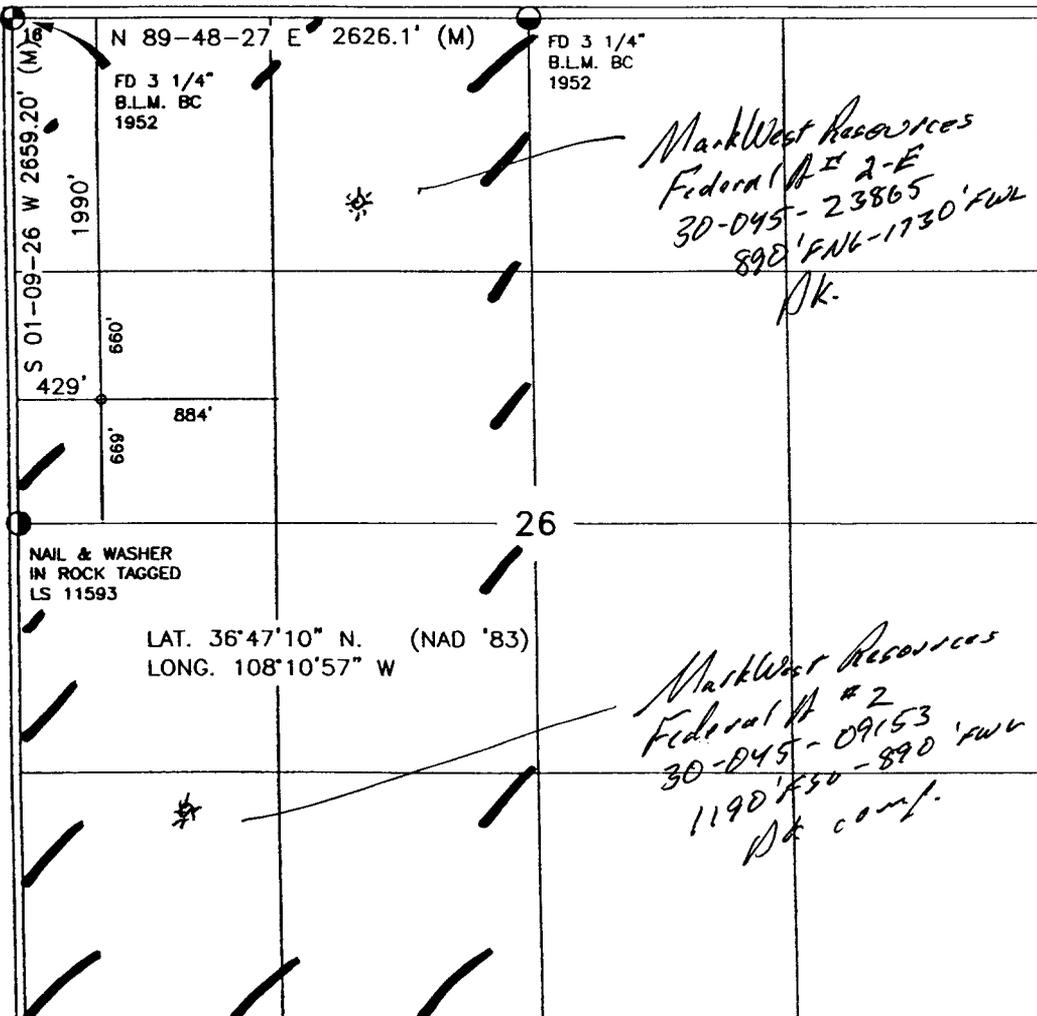
<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
. E	. 26	. 30-N	. 13-W		. 1990	. NORTH	. 429	. WEST	SAN JUAN

<sup>11</sup> 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
*Dedicated Acres 320		*Joint or Infill		*Consolidation Code		*Order No.			

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



17 OPERATOR CERTIFICATION

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

Signature

*Brian Wood*

Printed Name

BRIAN WOOD

Title

CONSULTANT

Date

DEC. 17, 2002

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.

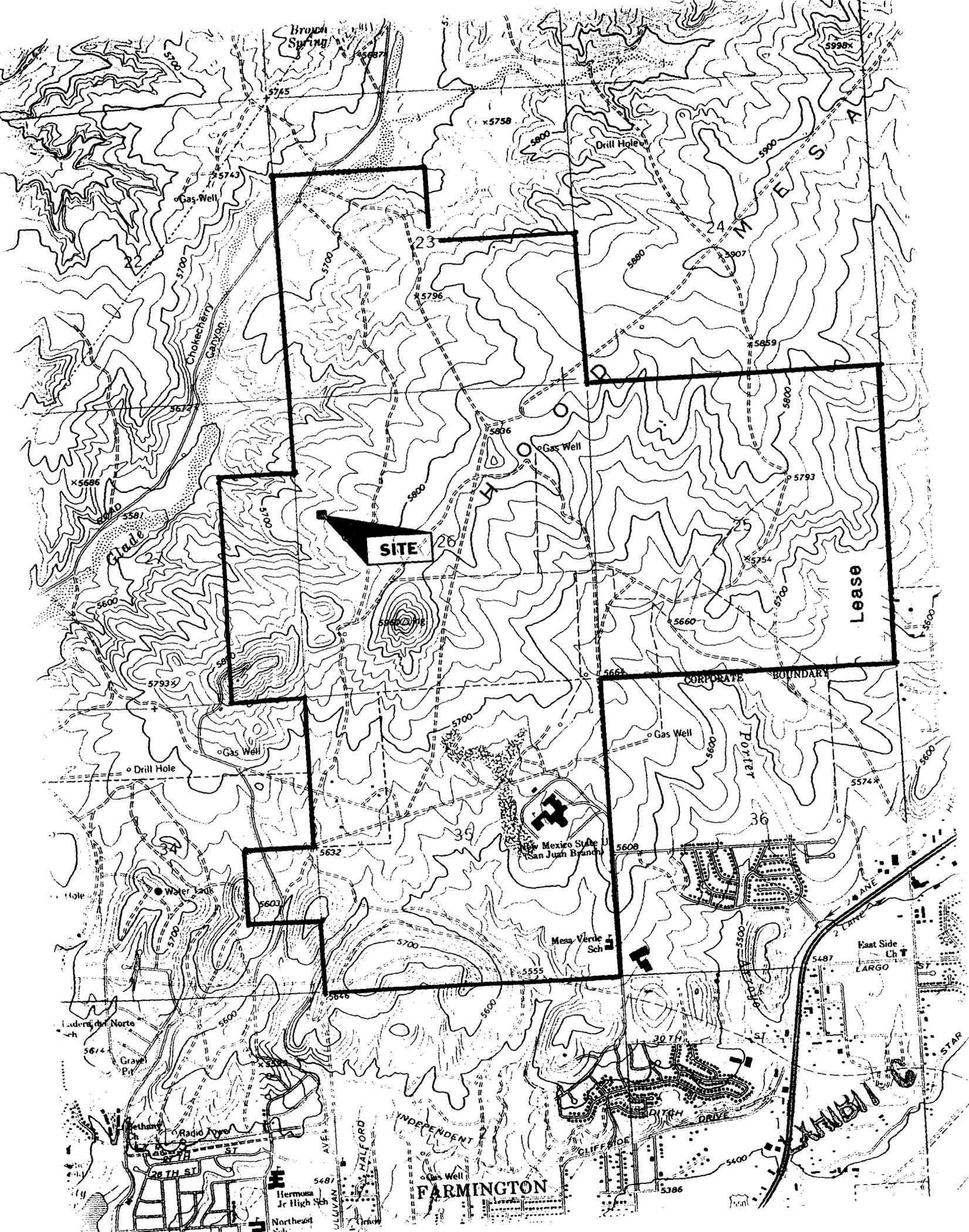
Date of Survey

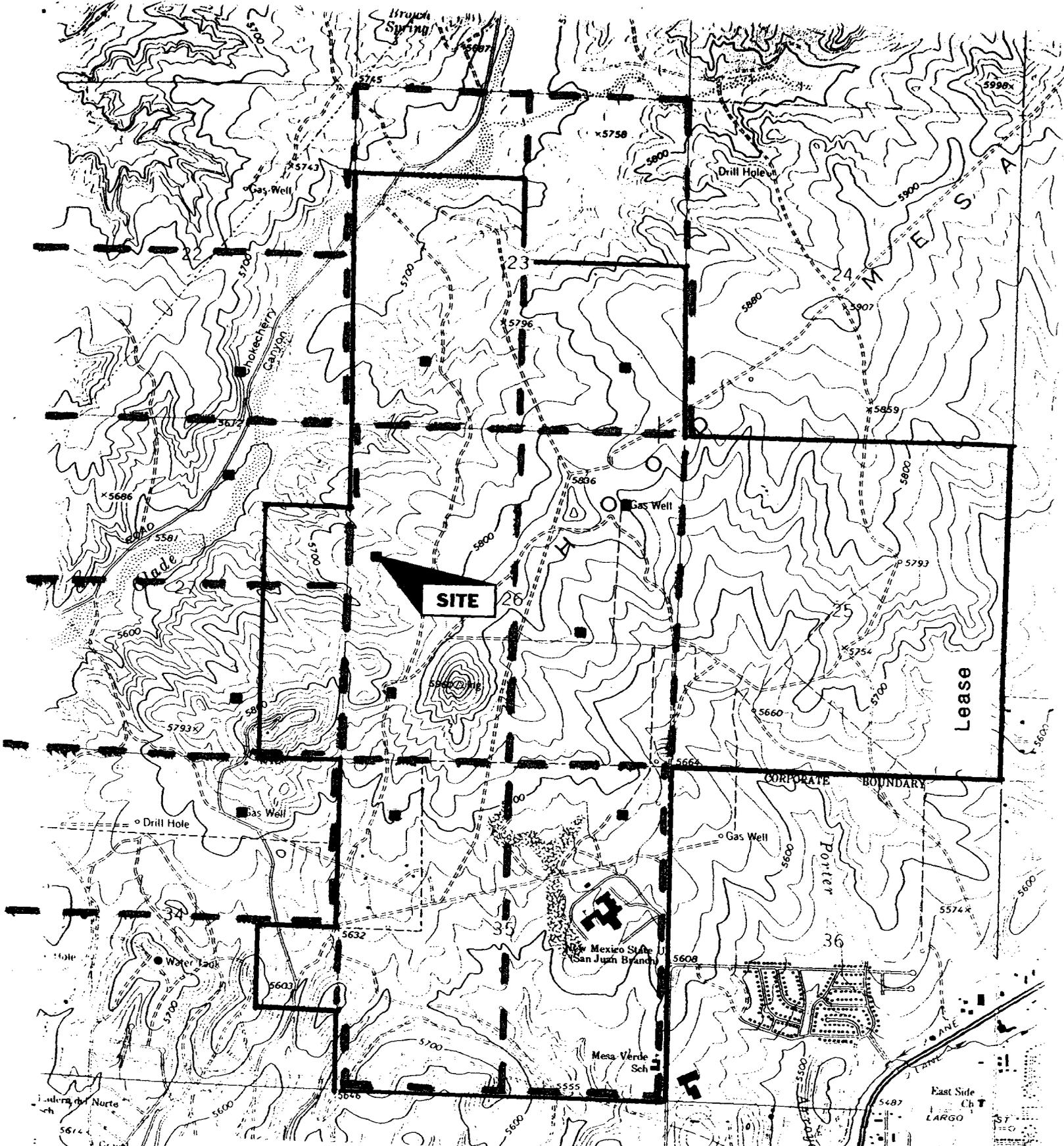
Signature and Seal of Professional Surveyor:



Certificate Number

EXHIBIT B





**Dakota Wells & Acreage Dedications**





**PERMITS WEST**, INC.  
PROVIDING PERMITS for LAND USERS  
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

January 27, 2003

Robert L. Bayless, Producer LLC  
P. O. Box 168  
Farmington, NM 87499

Dear Tucker,

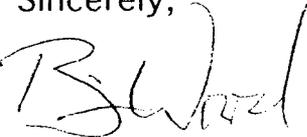
As required by New Mexico Oil Conservation Division Rules, I am notifying you of the following non-standard location (NSL) for a well. This letter is a notice only. No action is needed unless you have questions or objections.

MarkWest Resources, Inc. is applying to drill its Las Colinas #200 well. The minimum state distance for a Dakota gas well is 660' from a quarter section line. The proposed well is 429' and 650' from the closest quarter section lines. Thus, it is NSL. The NSL is due to using topography (see attached map) to try and shield the well from neighbors.

Well Name: Las Colinas #200                      Total Depth: 6,500'  
Proposed NSL Producing Zone: Basin Dakota gas  
NSL Acreage Dedication: 320.00 ac. (W2 Sec. 26)  
Location: 1990' FSL & 429' FWL Sec. 26, T. 30 N., R. 13 W.,  
San Juan County, NM on Federal lease NMSF-078213  
Approximate Location: north side of Farmington, NM  
Applicant Name: MarkWest Resources, Inc.      (303) 290-8700  
Applicant's Address: 155 Inverness Dr. W, Suite 200, Englewood, Co. 80112

Submittal Information: An application for a non-standard location is being filed with the NM Oil Conservation Division. If they determine the application complies with the applicable regulations, then it will be approved. The New Mexico Oil Conservation Division address is 1220 South St. Francis Drive, Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,  
  
Brian Wood

**EXHIBIT F**

**PERMITS WEST**, INC.  
PROVIDING PERMITS for LAND USERS  
17 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

January 27, 2003

Benson-Montin-Greer Drilling Corp.  
4900 College Blvd.  
Farmington, NM 87401

Dear Al,

As required by New Mexico Oil Conservation Division Rules, I am notifying you of the following non-standard location (NSL) for a well. This letter is a notice only. No action is needed unless you have questions or objections.

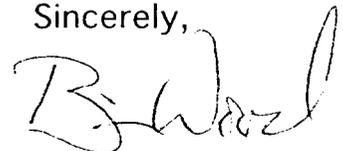
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Submittal Information: An application for a non-standard location is being filed with the NM Oil Conservation Division. If they determine the application complies with the applicable regulations, then it will be approved. The New Mexico Oil Conservation Division address is 1220 South St. Francis Drive, Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,



Brian Wood

EXHIBIT E

**PERMITS WEST**, INC.  
PROVIDING PERMITS for LAND USERS  
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

January 27, 2003

Roger Herrera  
BLM  
1235 LaPlata Highway  
Farmington, NM 87401

Dear Roger,

As required by New Mexico Oil Conservation Division Rules, I am notifying you of the following non-standard location (NSL) for a well. This letter is a notice only. No action is needed unless you have questions or objections.

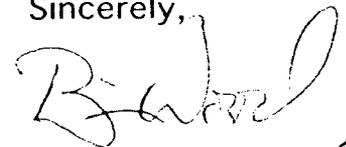
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Applicant's Address: 155 Inverness Dr. W, Suite 200, Englewood, Co. 80112

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Please call me if you have any questions.

Sincerely,



Brian Wood

**EXHIBIT F**

**PERMITS WEST**, INC.  
PROVIDING PERMITS for LAND USERS  
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

January 27, 2003

Van Goebel  
Burlington Resources Oil and Gas Company  
P. O. Box 4289  
Farmington, NM 87499

Dear Van,

As required by New Mexico Oil Conservation Division Rules, I am notifying you of the following non-standard location (NSL) for a well. This letter is a notice only. No action is needed unless you have questions or objections.

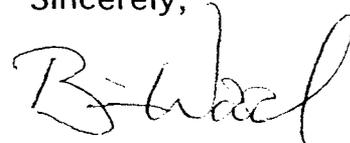
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Approximate Location: north side of Farmington, NM  
Applicant Name: MarkWest Resources, Inc.      (303) 290-8700  
Applicant's Address: 155 Inverness Dr. W, Suite 200, Englewood, Co. 80112

Submittal Information: An application for a non-standard location is being filed with the NM Oil Conservation Division. If they determine the application complies with the applicable regulations, then it will be approved. The New Mexico Oil Conservation Division address is 1220 South St. Francis Drive, Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,



Brian Wood

EXHIBIT F

**PERMITS WEST**, INC.  
PROVIDING PERMITS for LAND USERS  
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

January 27, 2003

Jerry Sullivan  
Calpine Natural Gas LP  
1200 17th St., Suite 770  
Denver, Co. 80202

Dear Jerry,

As required by New Mexico Oil Conservation Division Rules, I am notifying you of the following non-standard location (NSL) for a well. This letter is a notice only. No action is needed unless you have questions or objections.

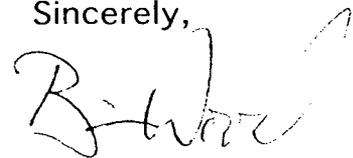
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Approximate Location: north side of Farmington, NM  
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Please call me if you have any questions.

Sincerely,



Brian Wood

EXHIBIT F

# **PERMITS WEST**, INC.

PROVIDING PERMITS for LAND USERS

37 Verano Loop, Santa Fe, New Mexico 87508

(505) 466-8120

January 27, 2003

ConocoPhillips  
600 N. Dairy Ashford  
Houston, Tx. 77079

As required by New Mexico Oil Conservation Division Rules, I am notifying you of the following non-standard location (NSL) for a well. This letter is a notice only. No action is needed unless you have questions or objections.

MarkWest Resources, Inc. is applying to drill its Las Colinas #200 well. The minimum state distance for a Dakota gas well is 660' from a quarter section line. The proposed well is 429' and 650' from the closest quarter section lines. Thus, it is NSL. The NSL is due to using topography (see attached map) to try and shield the well from neighbors.

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NSL Acreage Dedication: 320.00 ac. (W2 Sec. 26)

Location: 1990' FSL & 429' FWL Sec. 26, T. 30 N., R. 13 W.,  
San Juan County, NM on Federal lease NMSF-078213

Approximate Location: north side of Farmington, NM

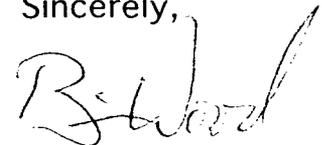
Applicant Name: MarkWest Resources, Inc.      (303) 290-8700

Applicant's Address: 155 Inverness Dr. W, Suite 200, Englewood, Co. 80112

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Please call me if you have any questions.

Sincerely,



Brian Wood

EXHIBIT B

**PERMITS WEST**, INC.  
PROVIDING PERMITS for LAND USERS  
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

January 27, 2003

Steve Dunn  
610 Reilly Ave.  
Farmington, NM 87401

Dear Steve,

As required by New Mexico Oil Conservation Division Rules, I am notifying you of the following non-standard location (NSL) for a well. This letter is a notice only. No action is needed unless you have questions or objections.

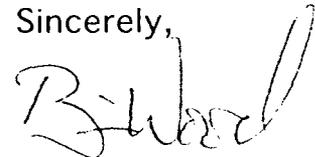
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Please call me if you have any questions.

Sincerely,



Brian Wood

**EXHIBIT F**

**PERMITS WEST**, INC.  
PROVIDING PERMITS for LAND USERS  
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

January 27, 2003

Energen Resources Corp.  
2198 Bloomfield Highway.  
Farmington, NM 87401-8108

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Approximate Location: north side of Farmington, NM

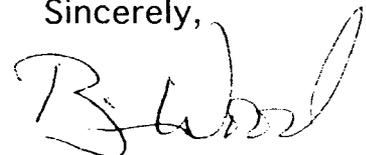
Applicant Name: MarkWest Resources, Inc.      (303) 290-8700

Applicant's Address: 155 Inverness Dr. W, Suite 200, Englewood, Co. 80112

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Please call me if you have any questions.

Sincerely,



Brian Wood

EXHIBIT E

**PERMITS WEST**, INC.  
PROVIDING PERMITS for LAND USERS  
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

January 27, 2003

J & R Merrion Trust  
610 Reilly Ave.  
Farmington, NM 87401

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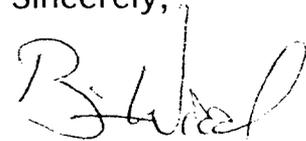
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Please call me if you have any questions.

Sincerely,



Brian Wood

**EXHIBIT F**

**PERMITS WEST**, INC.  
PROVIDING PERMITS for LAND USERS  
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

January 27, 2003

Greg T. Merrion  
610 Reilly Ave.  
Farmington, NM 87401

Dear Mr. Merrion:

As required by New Mexico Oil Conservation Division Rules, I am notifying you of the following non-standard location (NSL) for a well. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

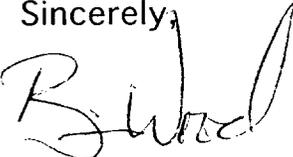
Sincerely,  
  
Brian Wood

EXHIBIT F

**PERMITS WEST**, INC.  
PROVIDING PERMITS for LAND USERS  
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

January 27, 2003

Michael K. Merrion  
610 Reilly Ave.  
Farmington, NM 87401

Dear Mr. Merrion:

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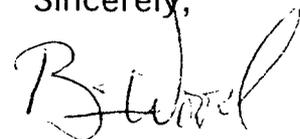
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Please call me if you have any questions.

Sincerely,



Brian Wood

**EXHIBIT F**

**PERMITS WEST**, INC.  
PROVIDING PERMITS for LAND USERS  
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

January 27, 2003

Merrion Oil & Gas Corp.  
610 Reilly Ave.  
Farmington, NM 87401

Dear Connie,

As required by New Mexico Oil Conservation Division Rules, I am notifying you of the following non-standard location (NSL) for a well. This letter is a notice only. No action is needed unless you have questions or objections.

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Location: 1990' FSL & 429' FWL Sec. 26, T. 30 N., R. 13 W.,  
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Approximate Location: north side of Farmington, NM

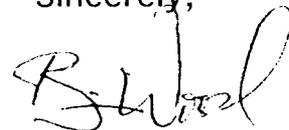
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Applicant's Address: 155 Inverness Dr. W, Suite 200, Englewood, Co. 80112

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Please call me if you have any questions.

Sincerely,



Brian Wood

EXHIBIT F

**PERMITS WEST**, INC.  
PROVIDING PERMITS for LAND USERS  
37 Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

January 27, 2003

Providence Minerals LLC  
14860 Montfort Dr., #209  
Dallas, Tx. 75254

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Please call me if you have any questions.

Sincerely,

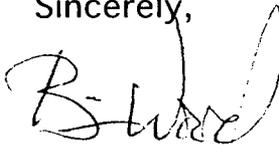
  
Brian Wood

EXHIBIT F

# **PERMITS WEST**, INC.

PROVIDING PERMITS for LAND USERS

37 Verano Loop, Santa Fe, New Mexico 87508

(505) 466-8120

January 27, 2003

Jane Seiler  
Questar Expl. & Production Company  
1331 17th St., Suite 800  
Denver, Co. 80202

Dear Jane,

As required by New Mexico Oil Conservation Division Rules, I am notifying you of the following non-standard location (NSL) for a well. This letter is a notice only. No action is needed unless you have questions or objections.

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San Juan County, NM on Federal lease NMSF-078213

Approximate Location: north side of Farmington, NM

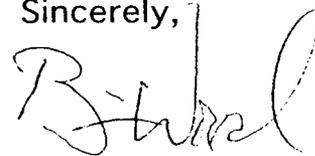
Applicant Name: MarkWest Resources, Inc.      (303) 290-8700

Applicant's Address: 155 Inverness Dr. W, Suite 200, Englewood, Co. 80112

Submittal Information: An application for a non-standard location is being filed with the NM Oil Conservation Division. If they determine the application complies with the applicable regulations, then it will be approved. The New Mexico Oil Conservation Division address is 1220 South St. Francis Drive, Santa Fe, NM 87505. Their phone number is (505) 476-3440.

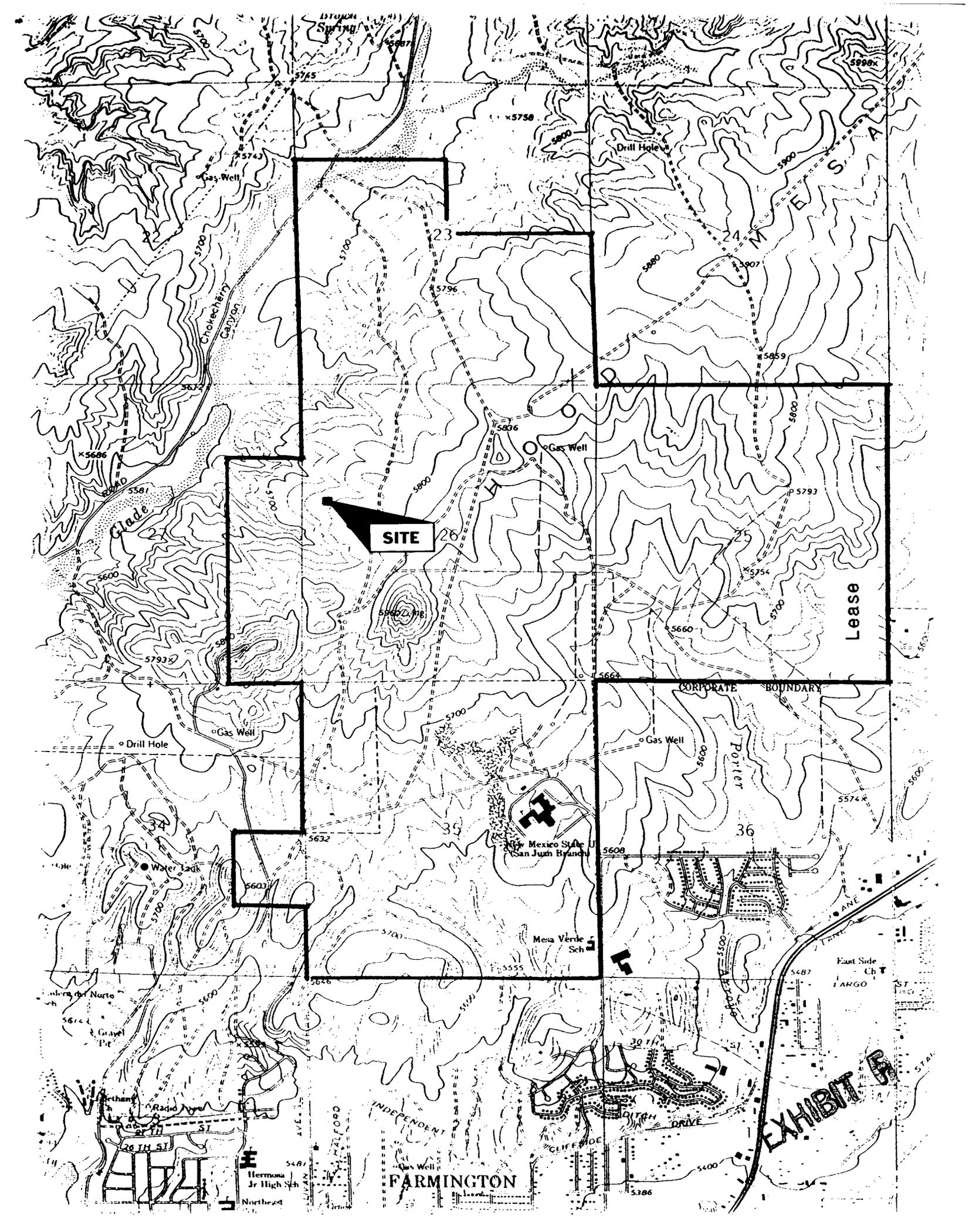
Please call me if you have any questions.

Sincerely,



Brian Wood

EXHIBIT F



**SITE**

**Lease**

CORPORATE BOUNDARY

Mesa Verde Sch

Hermosa Jr High Sch

**FARMINGTON**

**EXHIBIT B**

**CERTIFIED MAIL RECEIPT**

(Domestic Mail Only; No Insurance Coverage Provided)

7000 1670 0012 5356 7608

Postage	\$ 60
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 4.65</b>



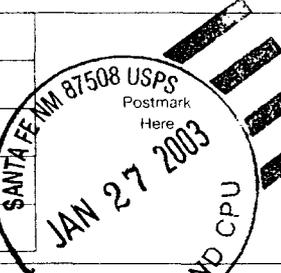
Sent To: BLM  
 Street, Apt. No., or PO Box No. 1235 LaBata Hwy  
 City, State, ZIP+4 Farm, NM 87401

**U.S. Postal Service CERTIFIED MAIL RECEIPT**

(Domestic Mail Only; No Insurance Coverage Provided)

7000 1670 0012 5356 7592

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 4.88</b>



Sent To: Burlington  
 Street, Apt. No., or PO Box No. PO Box 4289  
 City, State, ZIP+4 Farm, NM 87499

**U.S. Postal Service CERTIFIED MAIL RECEIPT**

(Domestic Mail Only; No Insurance Coverage Provided)

7000 1670 0012 5356 7585

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 1.77</b>



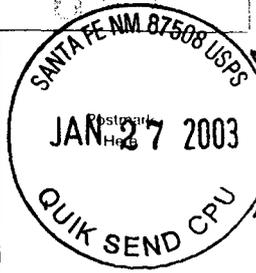
Sent To: Calpine  
 Street, Apt. No., or PO Box No. 1200 17th St. #770  
 City, State, ZIP+4 Denver CO 80202

**CERTIFIED MAIL RECEIPT**

(Domestic Mail Only; No Insurance Coverage Provided)

7000 1670 0012 5356 7622

Postage	\$ .83
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 4.88</b>



Sent To: Bayless  
 Street, Apt. No., or PO Box No. PO Box 168  
 City, State, ZIP+4 Farm, NM 87499

**U.S. Postal Service CERTIFIED MAIL RECEIPT**

(Domestic Mail Only; No Insurance Coverage Provided)

5792 9555 2100 0270 0000

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 4.88</b>



Sent To: BMG  
 Street, Apt. No., or PO Box No. 4900 Carey Blvd  
 City, State, ZIP+4 Farm, NM 87401

**EXHIBIT F**

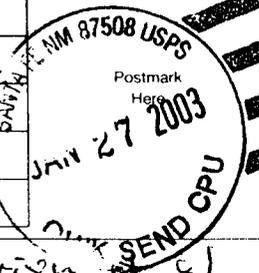
7000 1670 0012 5356 7561

**CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ 2.42
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 6.47</b>

Sent To: Dana Morrison  
Street, Apt. No., or PO Box No.: 610 Reilly Ave.  
City, State, ZIP+4: Farm. NM 87401

PS Form 3800, May 2000 See Reverse for Instructions



7000 1670 0012 5356 7578

**CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 4.00</b>

Sent To: Canac-Phillips  
Street, Apt. No., or PO Box No.: 600 N. Dairy Ashgrove  
City, State, ZIP+4: Houston TX 77079

PS Form 3800, May 2000 See Reverse for Instructions



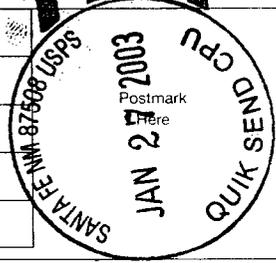
7000 1670 0012 5356 7530

**U.S. Postal Service CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 4.00</b>

Sent To: Providence Minerals  
Street, Apt. No., or PO Box No.: 11860 Montfort #209  
City, State, ZIP+4: Dallas TX 75254

PS Form 3800, May 2000 See Reverse for Instructions



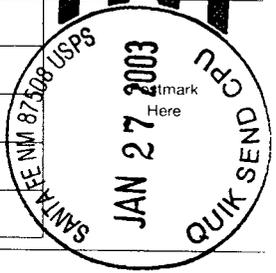
7000 1670 0012 5356 7547

**U.S. Postal Service CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 4.00</b>

Sent To: Energyn  
Street, Apt. No., or PO Box No.: 2198 Bloomfield Dr  
City, State, ZIP+4: Farm. NM 87401

PS Form 3800, May 2000 See Reverse for Instructions



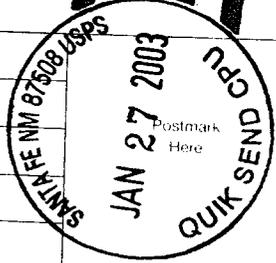
7000 1670 0012 5356 7554

**U.S. Postal Service CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 4.00</b>

Sent To: Questar  
Street, Apt. No., or PO Box No.: 1331 17th St., # 800  
City, State, ZIP+4: Denver CO 80202

PS Form 3800, May 2000 See Reverse for Instructions



**EXHIBIT F**