



SUSPENSE

2/17/03

ENGINEER

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LOGGED IN

KW

TYPE

NSL

APP NO.

PRR10302930540

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505

Coul

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

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 _____MarkWest's
Las Colinas #102

JAN 28 2003

[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

CONSULTANT

1-28-03

e-mail Address

brian@permitswest.com



REQUEST FOR ADMINISTRATIVE APPROVAL FOR NON-STANDARD LOCATION
FOR MARKWEST RESOURCES, INC.
LAS COLINAS #102 GAS WELL
BASIN FRUITLAND COAL GAS FIELD & POOL
537' FSL & 2139' FWL SEC. 26, T. 30 N., R. 13 W., SAN JUAN COUNTY, NM

I. The well is on BLM surface and BLM oil and gas lease NMSF-078213. The well is 2,205' from the closest lease line. The proposed location is non-standard for the Basin Fruitland coal gas. A standard location must be at least 660' from the quarter section line. This well is staked 123' further south and 159' further east than is standard. (Closest standard location would be 660' FSL and 1980' 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 topo map. The well encroaches on the west line of the E2 Section 26 Fruitland spacing unit which is dedicated to MarkWest's existing Federal A #3 E well (1000' FSL & 1000' FEL 26-30n-13w) which is 2,190' east. The well also encroaches on the north line of the W2 Section 35 Fruitland spacing unit which is dedicated to Calpine's Tiger #17 well (660' FSL & 845' FWL 35-30n-13w) which is 5,316' south.

III. According to NM Oil Conservation Division records, the closest existing Fruitland gas well is MarkWest's Federal A 3 E well (2,190' east). A copy of the Farmington North 7.5' USGS map is attached (EXHIBIT D) showing the proposed well site, existing & applied Fruitland spacing units (dashed lines), existing & applied Fruitland 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 Fruitland coal 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, south, and west. A low rough location was selected to minimize impacts to neighbors.

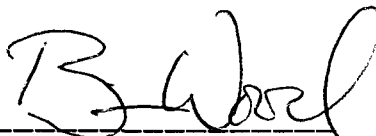
VI. Archaeology is not an issue.

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

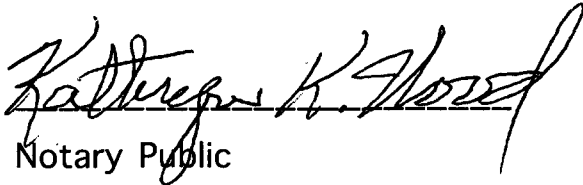


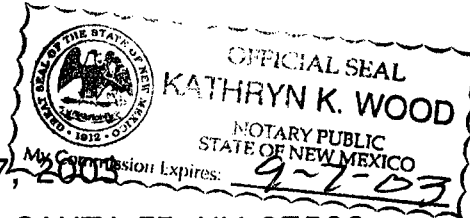
Brian Wood, Consultant

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.


Notary Public



My Commission Expires: September 7, 2003

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

cc: Aztec OCD, Stowe



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

June 7, 1999

Questar Exploration and Production Company
1331 Seventeenth Street - Suite 800
Denver, Colorado 80202
Attention: Garth W. Berkeland

Telefax No. (303) 294-9632

Administrative Order NSL-4302

Dear Mr. Berkeland:

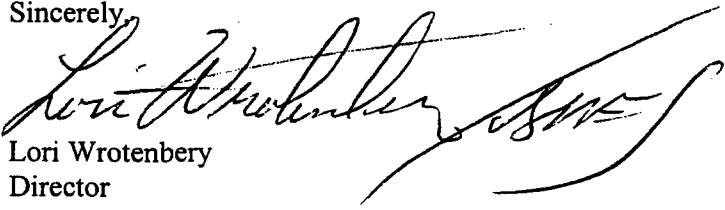
Reference is made to the following: (i) your application dated May 13, 1999; and (ii) the records of the New Mexico Oil Conservation Division ("Division") in Santa Fe: all concerning Questar Exploration and Production Company's ("Questar") request for an off-pattern non-standard Basin-Fruitland coal gas well location for the existing Federal "A" Well No. 2-E (API No. 30-045-23865), located 890 feet from the North line and 1730 feet from the West line (Unit C) of Section 26, Township 30 North, Range 13 West, NMPM, Basin-Fruitland Coal (Gas) Pool, San Juan County, New Mexico.

According to the Division's records, the Federal "A" Well No. 2-E was initially drilled in 1980 by Ladd Petroleum Corporation and completed at a standard infill gas well location in the Basin-Dakota Pool within a standard 320-acre gas spacing and proration unit comprising the W/2 of Section 26.

It is our understanding that Questar intends to temporarily abandon the Dakota interval in this well at this time and to recompleat up-hole into the Basin-Fruitland Coal (Gas) Pool. Pursuant to the "*Special Rules and Regulations for the Basin-Fruitland Coal (Gas) Pool*," as promulgated by Division Order No. R-8768, as amended, the location of this well is considered to be unorthodox. Further, the W/2 of Section 26 is also to be dedicated to this well in order to form a standard 320-acre lay-down gas spacing and proration unit for the Basin-Fruitland Coal (Gas) Pool.

By the authority granted me under the provisions of Rule 8 of these special pool rules the above-described unorthodox coal gas well location for the Federal "A" Well No. 2-E is hereby approved.

Sincerely,


Lori Wrotenbery
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington

CMD : ONGARD 01/31/03 13:17:18
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TPIJ

API Well No : 30 45 23865 Eff Date : 02-01-2002 WC Status : A
Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)
OGRID Idn : 193195 MARKWEST RESOURCES INC
Prop Idn : 29790 FEDERAL A

Well No : 002E
GL Elevation: 5765

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	: C	26	30N	13W	FTG 890 F N FTG 1730 F W	P	
Lot Identifier:							
Dedicated Acre:							
Lease Type							
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :							

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF12 NXTREC

CMD : ONGARD 01/31/03 13:17:30
OG6ACRE C102-DEDICATE ACREAGE OGOMES -TPIJ
Page No : 1

API Well No : 30 45 23865 Eff Date : 06-16-1999
Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)
Prop Idn : 29790 FEDERAL A Well No : 002E
Spacing Unit : 56005 OCD Order : Simultaneous Dedication:
Sect/Twp/Rng : 26 30N 13W Acreage : 320.00 Revised C102? (Y/N) :
Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
	C	26		30N	13W	40.00	N	FD		
	D	26		30N	13W	40.00	N	FD		
	E	26		30N	13W	40.00	N	FD		
	F	26		30N	13W	40.00	N	FD		
	K	26		30N	13W	40.00	N	FD		
	L	26		30N	13W	40.00	N	FD		
	M	26		30N	13W	40.00	N	FD		
	N	26		30N	13W	40.00	N	FD		

E0005: Enter data to modify or PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

CMD : ONGARD 01/31/03 13:17:38
OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPIJ
Page No: 1

OGRID Identifier : 23846 QUESTAR EXPLORATION & PRODUCTION CO
Pool Identifier : 71629 BASIN FRUITLAND COAL (GAS)
API Well No : 30 45 23865 Report Period - From : 01 2000 To : 12 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 23865	FEDERAL A	01 00 31	5637	F
30 45 23865	FEDERAL A	02 00 29	5359	F
30 45 23865	FEDERAL A	03 00 31	5356 908	F
30 45 23865	FEDERAL A	04 00 30	4585	F
30 45 23865	FEDERAL A	05 00 31	5400	F
30 45 23865	FEDERAL A	06 00 30	4998 534	F
30 45 23865	FEDERAL A	07 00 16	1205 150	F

Reporting Period Total (Gas, Oil) :

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 01/31/03 13:17:40
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPIJ
 Page No: 2

OGRID Identifier : 23846 QUESTAR EXPLORATION & PRODUCTION CO
 Pool Identifier : 71629 BASIN FRUITLAND COAL (GAS)
 API Well No : 30 45 23865 Report Period - From : 01 2000 To : 12 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 23865	FEDERAL A	08 00 31	2101	680 F
30 45 23865	FEDERAL A	09 00 30	1822	328 F
30 45 23865	FEDERAL A	10 00 31	1277	343 F
30 45 23865	FEDERAL A	02 01 28	2497	632 F
30 45 23865	FEDERAL A	03 01 31	2780	564 F
30 45 23865	FEDERAL A	04 01 30	2698	483 F
30 45 23865	FEDERAL A	05 01 31	3028	447 F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 01/31/03 13:17:42
OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPIJ
Page No: 3

OGRID Identifier : 23846 QUESTAR EXPLORATION & PRODUCTION CO
Pool Identifier : 71629 BASIN FRUITLAND COAL (GAS)
API Well No : 30 45 23865 Report Period - From : 01 2000 To : 12 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 23865	FEDERAL A	06 01 30	3050	404 F
30 45 23865	FEDERAL A	07 01		460 F
30 45 23865	FEDERAL A	08 01 31	3363	458 F
30 45 23865	FEDERAL A	09 01	1487	368 F
30 45 23865	FEDERAL A	10 01 31	2795	429 F
30 45 23865	FEDERAL A	11 01	1589	F
30 45 23865	FEDERAL A	12 01 31	3026	F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 01/31/03 13:17:44
OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPIJ
Page No: 4

OGRID Identifier : 23846 QUESTAR EXPLORATION & PRODUCTION CO
Pool Identifier : 71629 BASIN FRUITLAND COAL (GAS)
API Well No : 30 45 23865 Report Period - From : 01 2000 To : 12 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 23865	FEDERAL A	01 02 31	3030	F
30 45 23865	FEDERAL A	02 02 28	2604	372 F
30 45 23865	FEDERAL A	03 02 31	16	342 F

Reporting Period Total (Gas, Oil) : 69703 7902

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1. Type of Work ☒ DRILL ☐ REENTER

2. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone

3. Name of Operator

MARKWEST RESOURCES, INC.

4. Address 155 INVERNESS DR., SUITE 200

ENGLEWOOD, CO. 80112

5. Phone No. (include area code) (303) 290-8700

6. Location of Well (Report location fairly and in accordance with any State requirements.)

At surface 537' FSL & 2139' FWL

At proposed prod. zone SAME

7. Distance in miles and direction from nearest town or post office*

3 AIR MILES NORTH OF FARMINGTON POST OFFICE

8. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any)

2,205'

9. No. of Acres in lease

2,480

10. Distance from proposed location to nearest well, drilling completed, applied for, on this lease, ft.

1,117'

11. BLM/BIA Bond No. on file

KA6084 (BLM - NATIONWIDE)

12. Elevations (Show whether DF, KDB, RT, GL, etc.)

5,784' GL

13. Approximate date work will start*

FEB. 15, 2003

14. Estimated duration

5 DAYS TO DRILL

15. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUEP) shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

Comments

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

5. Lease Serial No.

NMSF-078213

6. If Indian, Allottee or Tribe Name

N/A

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

N/A

8. Lease Name and Well No.

LAS COLINAS #102

9. API Well No.

30-045-

10. Field and Pool, or Exploratory

BASIN FRUITLAND COAL GAS

11. Sec., T., R., M., or Bk. and Survey or Area

26-30n-13w NMPM

12. County or Parish

SAN JUAN

13. State

NM

14. Spacing Unit dedicated to this well

320 ACRES (W2)

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any)

2,205'

16. No. of Acres in lease

2,480

17. Distance from proposed location to nearest well, drilling completed, applied for, on this lease, ft.

1,117'

18. BLM/BIA Bond No. on file

KA6084 (BLM - NATIONWIDE)

19. Elevations (Show whether DF, KDB, RT, GL, etc.)

5,784' GL

20. Approximate date work will start*

FEB. 15, 2003

21. Estimated duration

5 DAYS TO DRILL

22. Attachments

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

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

DISTRICT III
400 Rio Branson Rd., Aztec, N.M. 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 87505

Form C-102
Revised August 15, 2000

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-	*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL GAS
*Property Code	*Property Name LAS COLINAS	*Well Number 102
*OGED No. 193195	*Operator Name MARKWEST RESOURCES, INC.	*Elevation 5784'

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
N	26	30-N	13-W		537'	SOUTH	2139'	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
*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

16	<p>FEDERAL A 2 E IS AT 890 FNL & 1730 FWL</p> <p>LAT. 36°46'42"N LONG. 108°10'36"W</p> <p>FD MAIL AND SHINER IS 11583</p> <p>26</p> <p>2139'</p> <p>824'</p> <p>400'</p> <p>FD 3 1/4" BLM, BC 1952</p> <p>N 89-35-42 E 2628.6' (M)</p> <p>FD 3 1/4" BLM, BC 1952</p>	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <i>Brian Wood</i> Printed Name BRIAN WOOD Title CONSULTANT Date DEC. 21, 2002
18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me, under my supervision, and that the same is true and correct to the best of my belief. Date of Survey OCT 20, 2002 Signature <i>[Signature]</i> Registered Professional Surveyor 14827 Certified PROFESSIONAL SURVEYOR		

EXHIBIT A

Unit is not within the Fairway!

Standard 640 acre Section

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'	5'	+5,784'
Kirtland Sh	364'	369'	+5,420'
Fruitland Coal	1,414'	1,419'	+4,370'
Pictured Cliffs Ss	1,784'	1,789'	+4,000'
Total Depth (TD)*	1,900'	1,905'	+3,884'

* all elevations reflect the ungraded ground level of 5,784'

2. NOTABLE ZONES

<u>Gas & Oil Zones</u>	<u>Water Zones</u>	<u>Coal Zone</u>
Fruitland	Ojo Alamo	Fruitland
Pictured Cliffs	Kirtland	
	Fruitland	

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.

3. PRESSURE CONTROL

Maximum expected bottom hole pressure is \approx 300 psi. The drilling contract has not yet been awarded, thus the exact BOP model to be used is not yet known. A typical 2,000 psi model is on PAGE 3. The well head, casing head, and all pipe, tubing, fittings, valves, and unions placed on or connected with BOP equipment will have a minimum working pressure of 2,000 psi. BOP equipment and all accessories will meet or exceed BLM requirements in 43

CFR Part 3160 and API RP 53 for a 2,000 psi system.

A 2,000 psi double ram hydraulic BOP will be used. There will be one set of pipe rams and one set of blind rams. Sufficient valves will be installed to permit fluid circulation at the surface. Accumulator system capacity will be sufficient to close all BOP equipment with a 50% safety factor.

Accessories will include upper and lower Kelly cocks with handles, stabbing valve to fit drill pipe on the floor at all times, string float at bit, choke manifold with 2" adjustable and 2" positive chokes, and pressure gauge.

Fill, kill, and choke manifold lines will be 2". Choke and kill lines will be anchored, tied, or otherwise secured to prevent whipping if pressure surges.

BOP equipment will be inspected daily. Pressure testing of each component of the BOP equipment will be conducted before drilling out any casing string. A preventer operating test will be performed on each round trip of the pipe, but not more than once every 24 hours. BOPs will be tested every 24 hours. Tests will be recorded on the daily report or I. A. D. C. log.

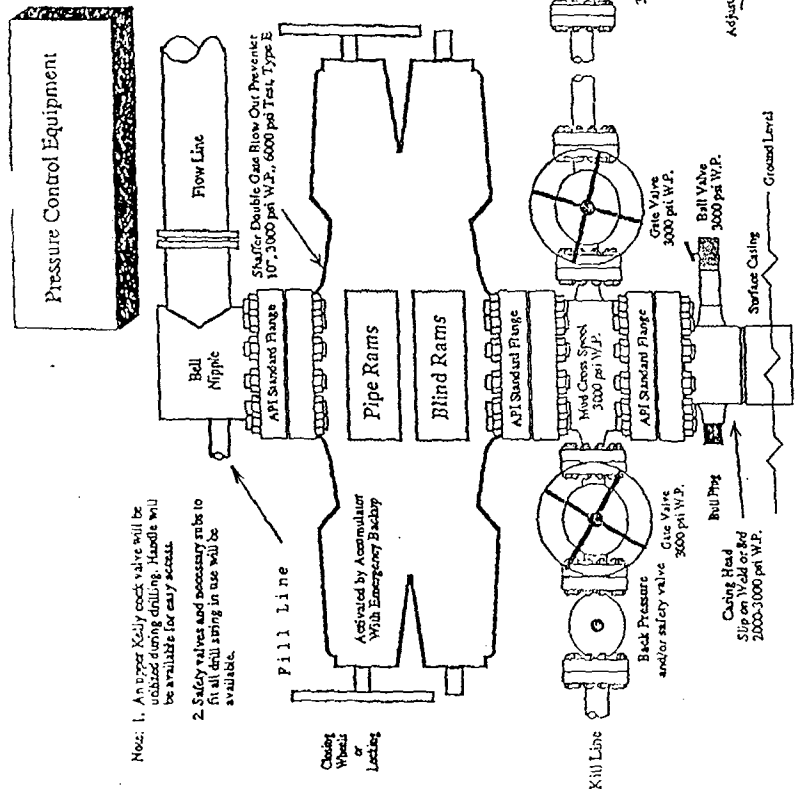
Drilling or completion operations will not proceed until BOP equipment is found, upon testing, to be serviceable. If the blind rams are closed for any purpose, then the valves on the choke lines or relief lines below the blind rams will be opened prior to opening the rams to bleed off any pressure.

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"	10.5	K-55	New	ST & C	1,900'

EXHIBIT
A

Minimum 2" Choke Line
Minimum 2" Kill Line
At Least One 2" Minimum Kill Line Valve



Note: 1. An type Kelly cock valve will be utilized during drilling. Handle will be available for easy access.
2. Safety valves and necessary rams to fit all drill string in use will be available.

Note: This equipment is designed to meet requirements for a 2-M rating standard per 43 CFR part 3160 (amended). Proper operation and testing of equipment will be carried out per standard. 2,000 psi equipment can be substituted in the drawing to meet minimum requirements per standard.

MarkWest Resources, Inc.
Las Colinas #102
537' FSL & 2139' FWL
Sec. 26, T. 30 N., R. 13 W.
San Juan County, New Mexico

Surface casing will be cemented to the surface with ≈ 330 cubic feet (≈ 280 sacks) Class B + 1/4 lb/sk cello-flake + 2% CaCl_2 . 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 three centralizers will be used on the 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 surface, then a temperature survey will be run to determine the actual cement top as needed. W. O. C. = 12 hours. Test to 3,800 psi.

Lead cement will be ≈ 290 cubic feet (≈ 100 sacks) Class B light cement with 3% sodium metasilicate + 3 pounds per sack gilsonite + 1/4 #/sack Flocele. Yield = 2.9 cubic feet per sack. Weight = 11.5 pounds per gallon. Volume is calculated at 100% excess.

Tail cement will be ≈ 78 cubic feet (≈ 50 sacks) Class B with 4% gel + 2% CaCl_2 . + 1/4 #/sk Flocele. Yield = 1.55 cubic feet per sack. Weight = 14.5 pounds per gallon. Used at 50% excess to cover 500' of formation.

The production casing will use a 4-1/2" cement nose guide shoe with a self fill insert float. The float will be placed one joint above the shoe. Five centralizers will be spaced on every other joint starting with the float collar. Turbulent will be placed at 120' intervals from 960' to the surface. A total of 13 centralizers will be used.

5. MUD PROGRAM

<u>Range</u>	<u>Mud Type</u>	<u>Weight</u>
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.

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 1,000'. 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 \approx 300 psi.

8. OTHER INFORMATION

The anticipated spud date is February 15, 2003. It is expected it will take about five days to drill and seven days to complete the well. Completion will start about one month after the spud and will include hydraulic fracturing. Drilling and completion will occur only during day light. A temporary fence will enclose the well site during drilling and completion. A security guard will be posted after hours during drilling and completion.

Surface Use Plan

1. DIRECTIONS & EXISTING ROADS (See Pages 11 & 12)

From the junction of NM 170 and Piñon Hills Boulevard ...
Go East 4-3/4 miles on Piñon Hills Boulevard
Then turn left and go North to the Piñon Frontage Road
Then turn left and go West 1/4 mile on the frontage road to water tank road
Then turn right and go North 1/10 mile on water tank road
Then bear right and go Northeast 203' cross country to the proposed pad

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

2. ROAD TO BE BUILT OR UPGRADED (See Pages 12 & 16)

The existing road will be bladed to remove ruts, but will not be realigned or widened. About 203' of new crowned and ditched road will be built with a 14' wide running surface. Maximum grade = 10%. Maximum disturbed width = 25'. Maximum cut or fill = 3'. A minimum 18" x 20' CMP culvert will be installed at the entrance to the pad. No fence is crossed. No turn out is needed.

3. EXISTING WELLS

There are 26 oil or gas wells (see PAGE 12) within a mile radius according to NM Oil Conservation Division records in Santa Fe. There are 15 water wells within a mile according NM Office of the State Engineer records. There are no injection wells within a mile.

EXHIBIT
A

4. PROPOSED PRODUCTION FACILITIES (see PAGE 15)

A =60 barrel fiberglass open top tank, =300 barrel steel tank, 3' x 10' skid mounted meter run, =105 hp compressor, and 5' x 7' x 6' high separator (2 phase production unit) 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, even though it is outside City limits. All surface equipment will be painted a flat juniper green color. A locked gate and ≥6' high 10 gauge chain link fence with privacy strips will surround the well site after it is completed.

MarkWest's pipelines (all on the pad) will be 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 lay a buried steel gas line from the pad to its system and will acquire its own right-of-way. Exact route is not yet known.)

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. The west corners of the pad will be rounded to reduce the height of the cuts and minimize tree removal. The top 6" of soil will be stockpiled west of the pad. Trees ≤6" DBH will be "walked down" on bare soil for erosion control. Trees ≥6" DBH will be set aside for firewood. A diversion ditch will be cut at the top of the slope on the west side of the pad. 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 13 and 14 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.

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

EXHIBIT A

MarkWest Resources, Inc.
Las Colinas #102
537' FSL & 2139' FWL
Sec. 26, T. 30 N., R. 13 W.
San Juan County, New Mexico

PAGE 9

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 OWNER

All road and well site construction will occur on BLM.

12. OTHER INFORMATION

The nearest hospital is a 10 minute drive away in southwest Farmington.

Archaeology report CASA 02-134 was filed on November 22, 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
3104 N. Sullivan
Farmington, NM 87401
(505) 327-4573
Cellular: (505) 330-0495

Mike Confer
(505) 330-2202

PERMITS WEST INC.
PROVIDING PERMITS FOR LAND USERS

MarkWest Resources, Inc.
Las Colinas #102
537' FSL & 2139' FWL
Sec. 26, T. 30 N., R. 13 W.
San Juan County, New Mexico

PAGE 10

Field representatives during production will be:

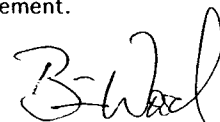
Rex Lancaster or
519 E. Animas St.
Farmington, NM 87401
(505) 325-1922

Tap Harris
(505) 320-3916

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 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 21, 2002
Date

PERMITS WEST INC.
PROVIDING PERMITS FOR LAND USERS

EXHIBIT
A

EXHIBIT

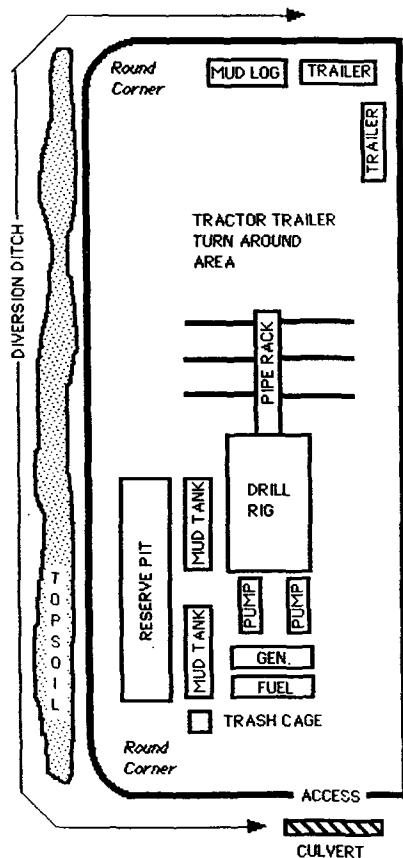


MarkWest Resources, Inc.
 Las Colinas #102
 537' FSL & 2139' FWL
 Sec. 26, T. 30 N., R. 13 W.
 San Juan County, New Mexico

PAGE 13

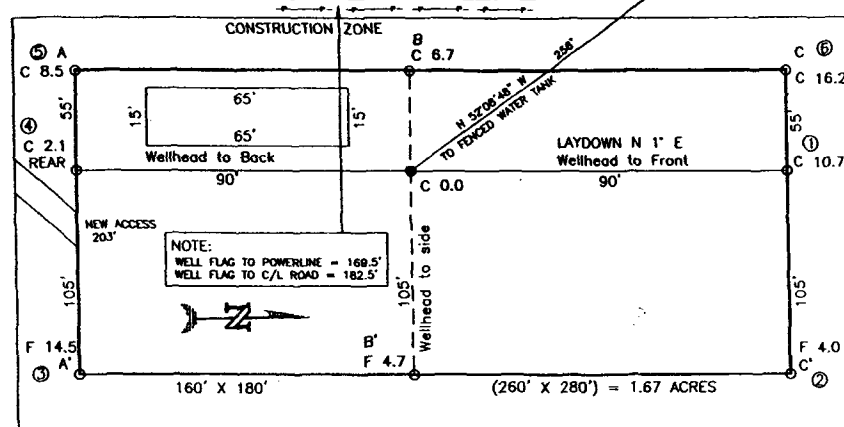
NORTH

1" = 40'

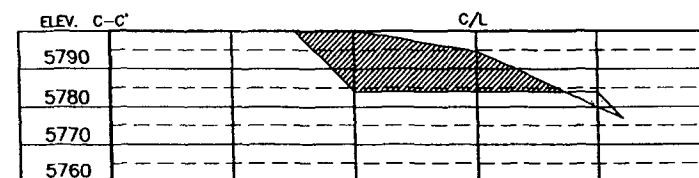
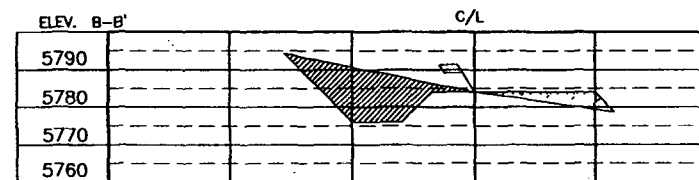
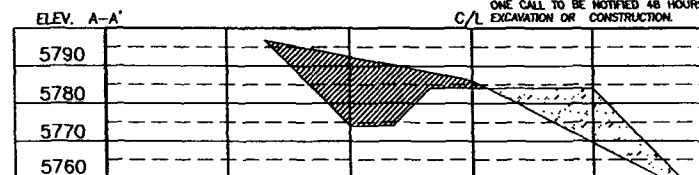


PERMIT'S WEST INC.
 PROVIDING PERMITS FOR LAND USERS

MARKWEST RESOURCES, INC.
 LAS COLINAS No. 102, 537' FSL 2139' FWL
 SECTION 26, T30N, R13W, N.M.P.M., SAN JUAN COUNTY, N. M.
 GROUND ELEVATION: 5784', DATE: OCTOBER 21, 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.



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: A.G. ROW#: MW057 CADFILE: MW057CFB DATE: 10/28/02

Daggett Enterprises, Inc.
 Surveying and Oil Field Services
 P. O. Box 15048 Farmington, NM 87401
 Phone (505) 328-1772 Fax (505) 328-6019

REVISED: ADD DISTANCE TO WATER TANK BY: B.L. DATE: 11/21/02

EXHIBIT A

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

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

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

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

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-		Pool Code 71629		Pool Name BASIN FRUITLAND COAL GAS	
Property Code		Property Name LAS COLINAS			Well Number 102
OGRID No. 193195		Operator Name MARKWEST RESOURCES, INC.			Elevation 5784'

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
N	26	30-N	13-W		537'	SOUTH	2139'	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
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

16		FEDERAL A 2 E IS AT 890 FNL & 1730 FWL	
FD MAIL AND SHINER LS 11593		LAT. 36°46'42"N LONG. 108°10'36"W	
2139'		824'	
FD 3 1/4" B.L.M. BC 1952		FD 3 1/4" B.L.M. BC 1952	

17 OPERATOR CERTIFICATION

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

Signature

Printed Name

BRIAN WOOD

Title

CONSULTANT

Date

DEC. 21, 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.

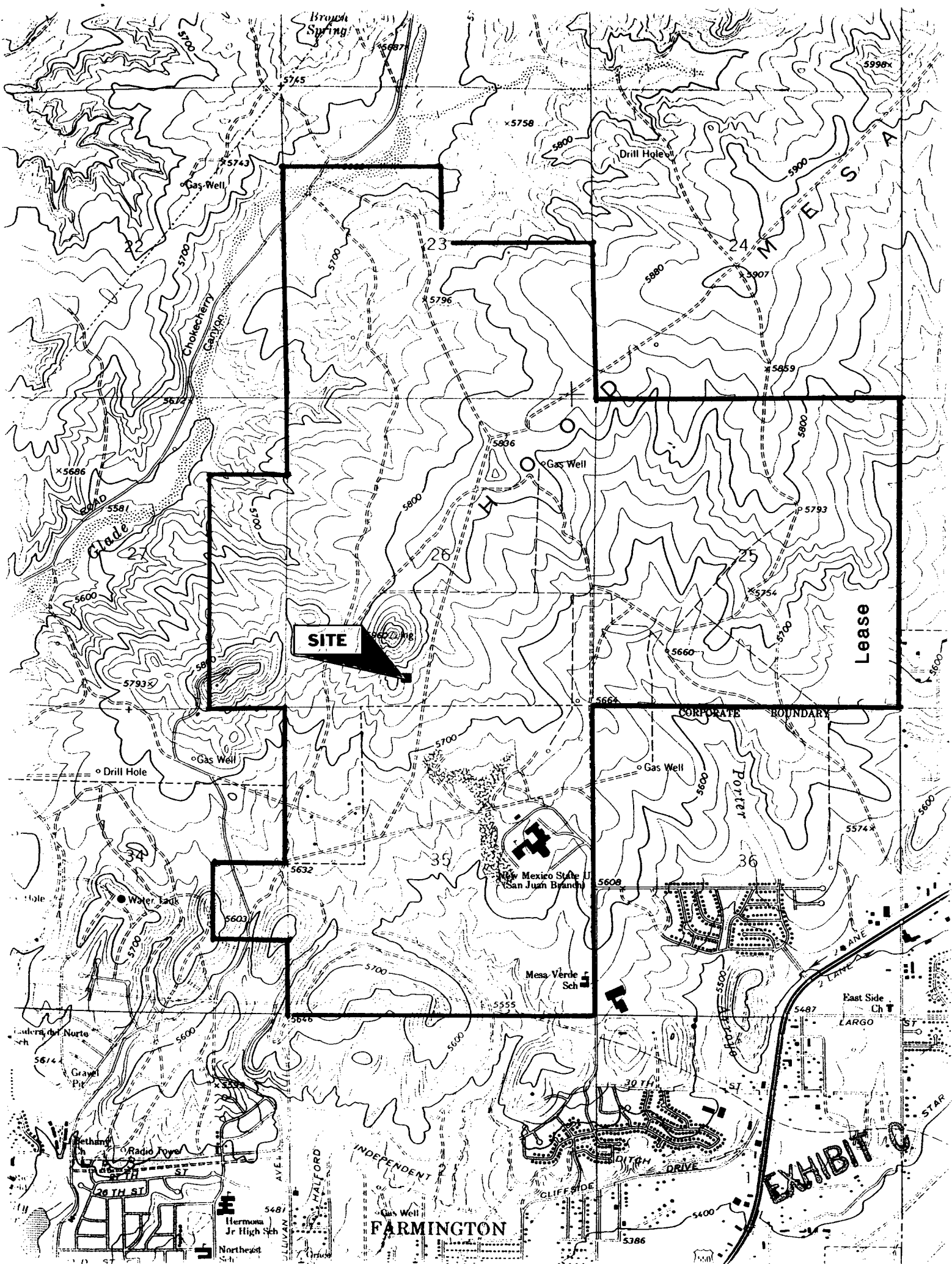
Date of Survey

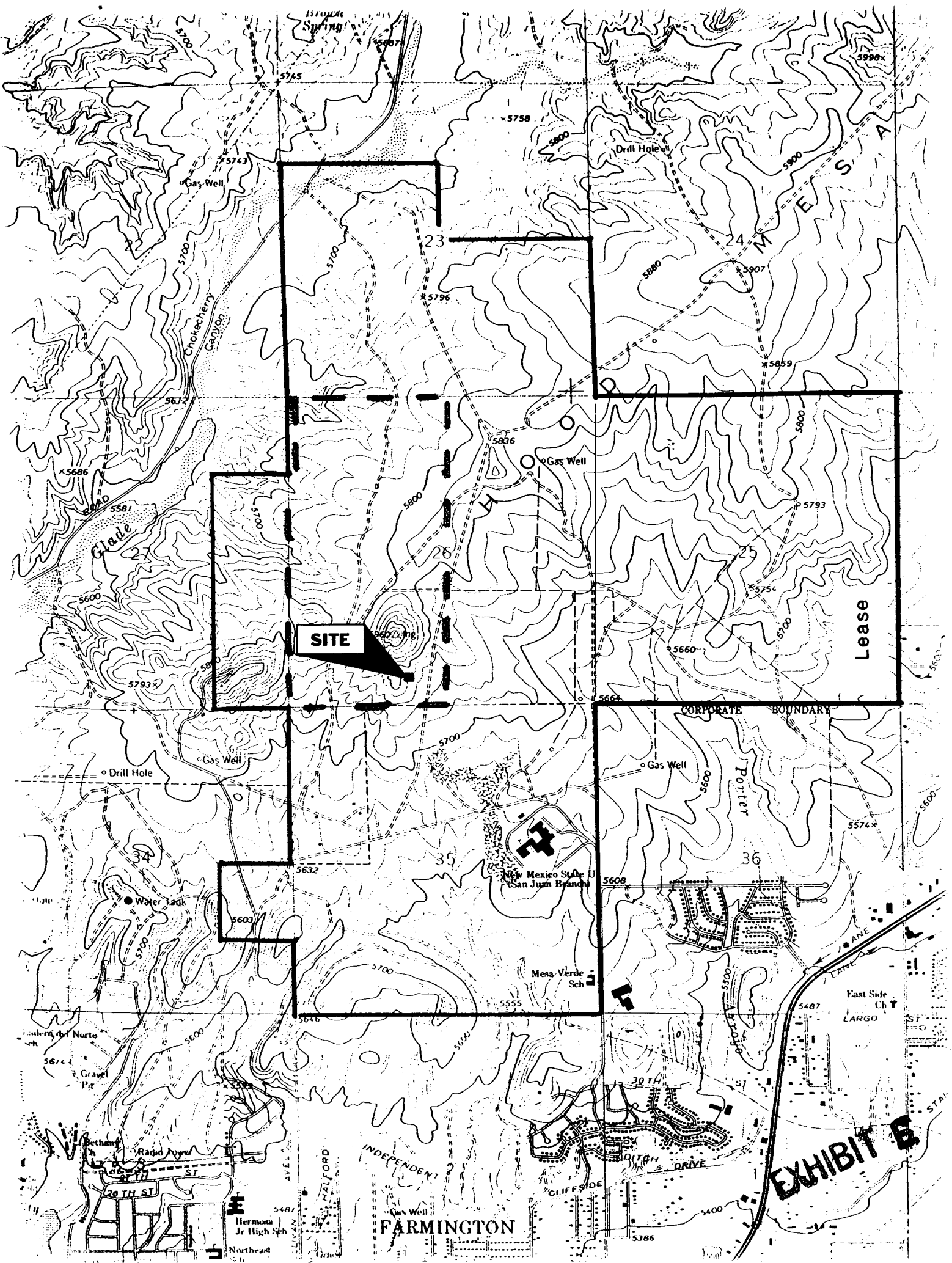
Signature and Seal of Professional Surveyor:

OCT 20 2002
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
14827
14827

Certificate Number

EXHIBIT B





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 #102 well. The minimum state distance for a Fruitland coal gas well is 660' from a quarter section line and 1,320' from another Fruitland well. The proposed well is 501' to 537' from 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 #102 Total Depth: 1,900'

Proposed NSL Producing Zone: Basin Fruitland coal gas

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

Location: 537' FSL & 2139' 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

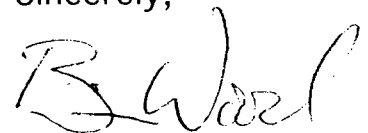
Applicant Name: MarkWest Resources, Inc. (303) 290-8700

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
37 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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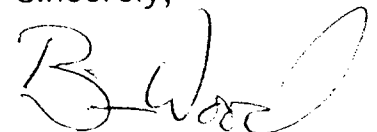
Applicant Name: MarkWest Resources, Inc. (303) 290-8700

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

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.

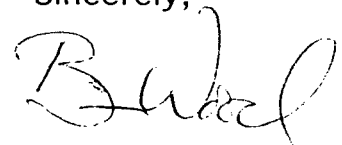
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San Juan County, NM on Federal lease NMSF-078213
Approximate Location: north side of Farmington, NM
Applicant Name: MarkWest Resources, Inc. (303) 290-8700
Applicant's Address: 155 Inverness Dr. W, Suite 200, Englewood, Co. 80112

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
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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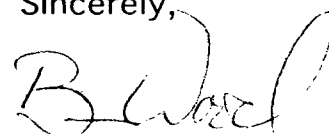
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Please call me if you have any questions.

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

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
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,

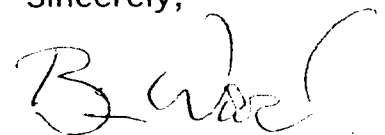

Brian Wood

EXHIBIT 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.

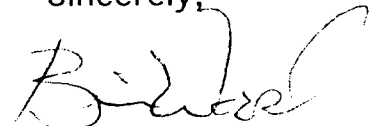
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Approximate Location: north side of Farmington, NM
Applicant Name: MarkWest Resources, Inc. (303) 290-8700
Applicant's Address: 155 Inverness Dr. W, Suite 200, Englewood, Co. 80112

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
17 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.

MarkWest Resources, Inc. is applying to drill its Las Colinas #102 well. The minimum state distance for a Fruitland coal gas well is 660' from a quarter section line and 1,320' from another Fruitland well. The proposed well is 501' to 537' from 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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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

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

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 #102 well. The minimum state distance for a Fruitland coal gas well is 660' from a quarter section line and 1,320' from another Fruitland well. The proposed well is 501' to 537' from 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 #102 Total Depth: 1,900'

Proposed NSL Producing Zone: Basin Fruitland coal gas

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

Location: 537' FSL & 2139' 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

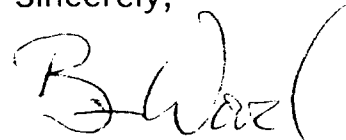
Applicant Name: MarkWest Resources, Inc. (303) 290-8700

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

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

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 #102 well. The minimum state distance for a Fruitland coal gas well is 660' from a quarter section line and 1,320' from another Fruitland well. The proposed well is 501' to 537' from 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 #102 Total Depth: 1,900'

Proposed NSL Producing Zone: Basin Fruitland coal gas

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

Location: 537' FSL & 2139' 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,

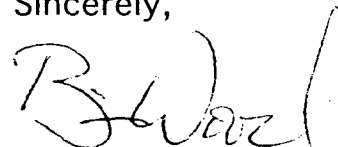

Brian Wood

EXHIBIT F

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
47 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.

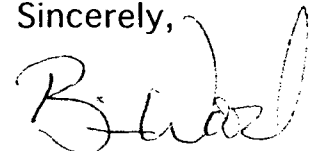
MarkWest Resources, Inc. is applying to drill its Las Colinas #102 well. The minimum state distance for a Fruitland coal gas well is 660' from a quarter section line and 1,320' from another Fruitland well. The proposed well is 501' to 537' from quarter section lines. Thus, it is NSL. The NSL is due to using topography (see attached map) to try and shield the well from neighbors.

Well Name: Las Colinas #102 Total Depth: 1,900'
Proposed NSL Producing Zone: Basin Fruitland coal gas
NSL Acreage Dedication: 320.00 ac. (W2 Sec. 26)
Location: 537' FSL & 2139' 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 #

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
17 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:

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 #102 well. The minimum state distance for a Fruitland coal gas well is 660' from a quarter section line and 1,320' from another Fruitland well. The proposed well is 501' to 537' from 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 #102 Total Depth: 1,900'

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

Location: 537' FSL & 2139' 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,

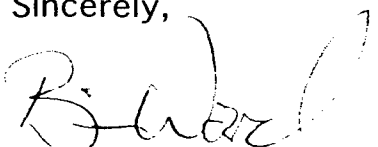

Brian Wood

EXHIBIT F

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
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.

MarkWest Resources, Inc. is applying to drill its Las Colinas #102 well. The minimum state distance for a Fruitland coal gas well is 660' from a quarter section line and 1,320' from another Fruitland well. The proposed well is 501' to 537' from 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 #102 Total Depth: 1,900'

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

Location: 537' FSL & 2139' 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

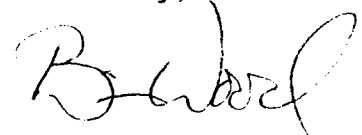
Applicant Name: MarkWest Resources, Inc. (303) 290-8700

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 5

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

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 #102 well. The minimum state distance for a Fruitland coal gas well is 660' from a quarter section line and 1,320' from another Fruitland well. The proposed well is 501' to 537' from 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: 537' FSL & 2139' 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

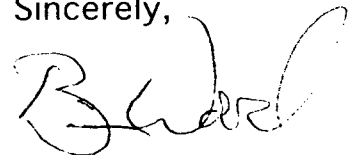
Applicant Name: MarkWest Resources, Inc. (303) 290-8700

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
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.

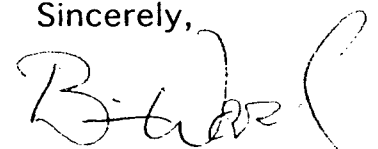
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Well Name: Las Colinas #102 Total Depth: 1,900'
Proposed NSL Producing Zone: Basin Fruitland coal gas
NSL Acreage Dedication: 320.00 ac. (W2 Sec. 26)
Location: 537' FSL & 2139' FWL Sec. 26, T. 30 N., R. 13 W.,
San Juan County, NM on Federal lease NMSF-078213
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.

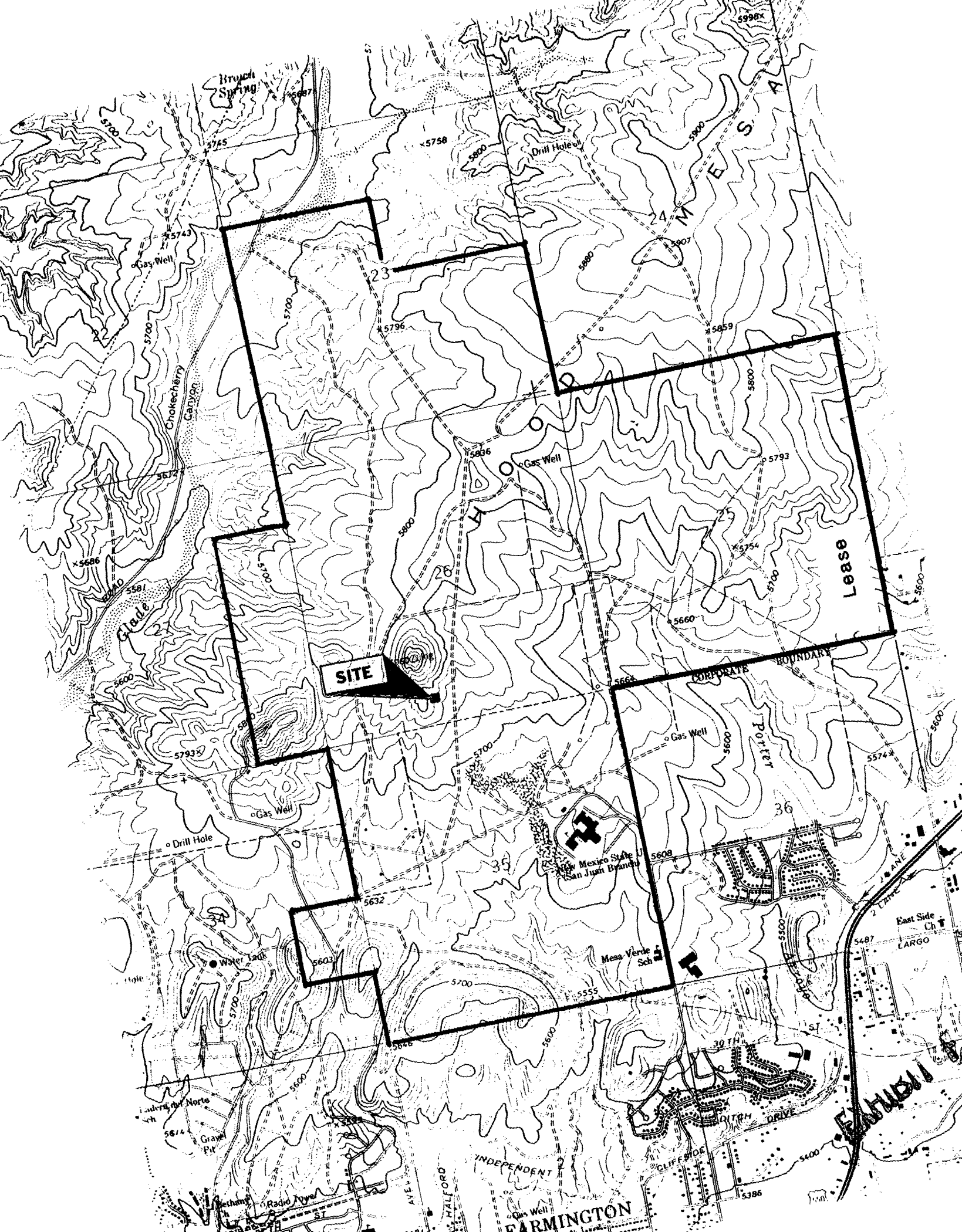
Please call me if you have any questions.

Sincerely,



Brian Wood

EXHIBIT 5



CERTIFIED MAIL RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ 60
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 4.65

Sent To
Street, Apt. No., or PO Box No. BLM 1235 L. B. Rd.
City, State, ZIP+4 Farm NM 87401

PS Form 3800, May 2000 See Reverse for Instructions

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)	
Total Postage & Fees	\$ 4.88

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

PS Form 3800, May 2000 See Reverse for Instructions

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)	
Total Postage & Fees	\$ 1.11

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

PS Form 3800, May 2000 See Reverse for Instructions

CERTIFIED MAIL RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$.83
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 4.88

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

PS Form 3800, May 2000 See Reverse for Instructions

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)	
Total Postage & Fees	\$ 4.88

Sent To
Street, Apt. No., or PO Box No. BMG 4900 Carey Blvd
City, State, ZIP+4 Farm NM 87499

PS Form 3800, May 2000 See Reverse for Instructions

EXHIBIT F

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)	
Total Postage & Fees	\$ 6.47

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

PS Form 3800, May 2000 See Reverse for Instructions

CERTIFIED MAIL RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 4.00

Sent To: **Canace Phillips**
Street, Apt. No., or PO Box No.: **600 N. Daisy Ash**
City, State, ZIP+4: **Houston TX 77079**

PS Form 3800, May 2000 See Reverse for Instructions

**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)	
Total Postage & Fees	\$ 4.00

Sent To: **Providence Minerals**
Street, Apt. No., or PO Box No.: **H860 Montfort #209**
City, State, ZIP+4: **Dallas TX 75254**

PS Form 3800, May 2000 See Reverse for Instructions

**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)	
Total Postage & Fees	\$ 4.00

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

PS Form 3800, May 2000 See Reverse for Instructions

**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)	
Total Postage & Fees	\$ 4.00

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