



GREYSTONE ENERGY, INC.

9155 E. Nichols Ave., Suite 350 • Englewood, CO 80112

Bus: 303-925-0542 • Fax: 303-925-0543

November 9th, 1999

Ms. Lori Wrotenberry  
New Mexico Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

RE: Administrative Approval for Unorthodox Location  
Greystone Energy, Inc.  
Big Jake # 1 Fruitland Coal (New Well)  
2164 FNL, 186 FWL, Sec.26, T31N, R13W, N.M.P.M.  
San Juan County, New Mexico

Dear Ms. Wrotenberry:

Greystone Energy, Inc. requests administrative approval of an unorthodox location pursuant to Rule 104 . F (2). Standard spacing for the Basin Fruitland Coal states that the first well in a section must be located in either the NE/4 or the SW/4. The well bore, which Greystone plans on drilling, is in the NW/4. Endangered / protected vegetation (See attached letter from the BLM), coupled with topography limitations (See attached map) are the rational for the unorthodox location.

To comply with the New Mexcio Oil Conservation Rules, Greystone Energy, Inc. is submitting the following data for support:

1. Form C-102 – showing planned well position
2. Letter from BLM resulting from a onsite visit & Threatened and Endangered Survey we performed
3. Topographic Map illustrating well spot
4. Location Plat showing Offset lease hold and well spot
5. Offset operator / lease holder notification list

In accordance to New Mexico Oil Conservation Division Rule 104. F (3), all offset operators / leaseholders have been notified of this application by certified mail. As an offset operator / leaseholder, if you have an objection to this application you must file your objection in writing with the Division within 20 days from the date that the Division receives this application.

If additional information is needed, please contact me at (303) 925-0542 Ext. 223.

Sincerely,

Brian D. Voigt  
Vice President

CC: NMOCD-Aztec, BLM – Farmington, Offset Operators / Lease Holders

Applied  
Lo5 DAC

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Make labels

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# FIGURE 3a

DISTRICT I  
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, N.M. 88211-0719

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

DISTRICT IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

## OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994

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

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name BIG JAKE			6 Well Number 1
7 OGRID No.		8 Operator Name GREYSTONE ENERGY, INC.,			9 Elevation 5667'

#### 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
E	26	31-N	13-W		2164	NORTH	186	WEST	SAN JUAN

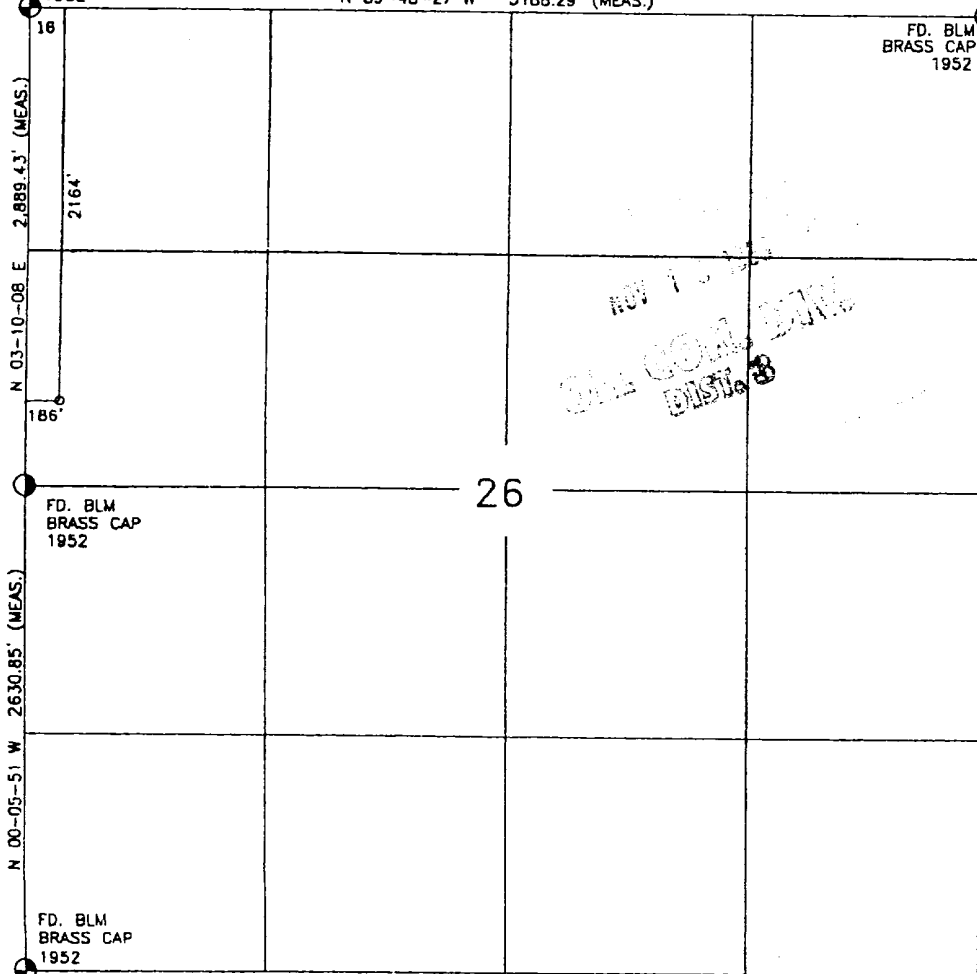
#### 11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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

FD. BLM  
BRASS CAP  
1952

N 89-48-27 W 5188.29' (MEAS.)



FD. BLM  
BRASS CAP  
1952

#### 17 OPERATOR CERTIFICATION

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

*Brian D. Voryth*  
Signature

Brian D. Voryth  
Printed Name

VP  
Title

11/9/99  
Date

#### 18 SURVEYOR CERTIFICATION

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

10-18  
Date of Survey

*[Signature]*  
Signature and Seal of Registered Professional Surveyor

8894

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# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Farmington District Office  
1235 La Plata Highway  
Farmington, New Mexico 87401

IN REPLY REFER TO:  
3162.5-1 (070)

NOV 26 1999

RECEIVED  
NOV 11 1999

Mr. Brian D. Voigt  
Greystone Energy, Inc.  
9155 East Nichols Ave., Suite 350  
Englewood, CO 80112

Dear Mr. Voigt:

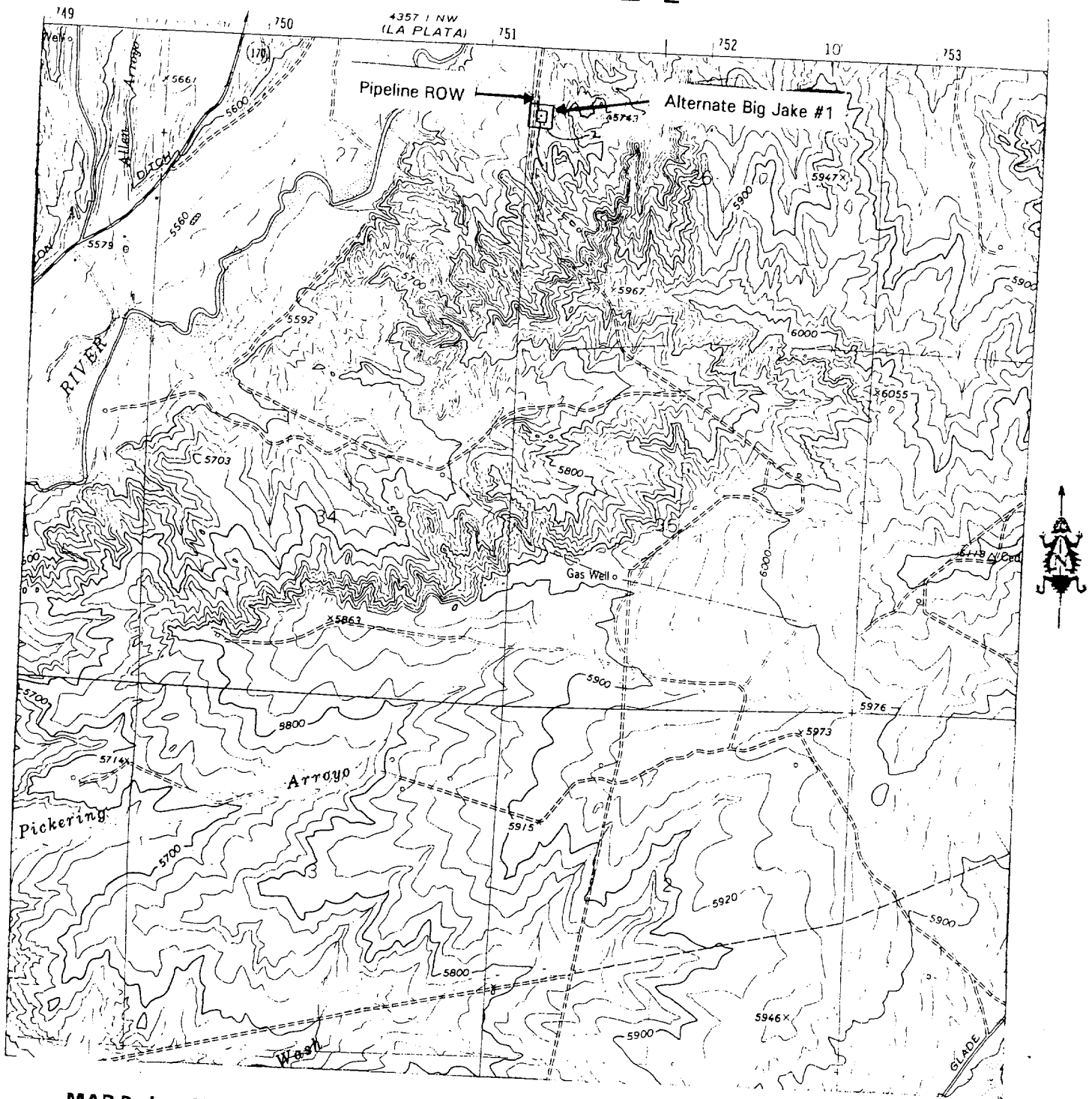
The purpose of this letter is to inform Greystone Energy, Inc. and New Mexico Oil Conservation Division (NMOCD) of an unorthodox well placement location for the Greystone Energy, Inc.'s, Big Jake # 1 originally staked 1850' FSL/ 840' FEL, sec. 26, T-31-N, R-13-W. In the past, most locations without resource conflicts have been drilled. The window where the Big Jake #1 was originally staked has topographical constraints and is in critical T&E [Gilia Formosa (Aztec gilia) and Sclerocactus cloveriae var. brackii (Brack's cactus)]. The well was moved to 2164' FNL/ 186' FEL, where it is now staked. It is the Bureau of Land Management's goal to stake this well in an area where resource damage is minimal and can be reduced to acceptable levels by mitigation. Therefore, it is the request of the Authorized Officer that this location be moved to an unorthodox location to lessen impacts to various resources in the area.

If you have any questions, please contact Neel McBride of my staff at (505) 599-6322.

Sincerely,

Ruben Sanchez  
Environmental Protection Team Lead

# FIGURE 2



MAR Project No. 99-115  
NMCRIS Proj# 65911, Act# 66211

Alternate Big Jake #. 1 Well and Pipeline  
T31N, R13W, Sec. 26; NMPM;  
San Juan County, New Mexico

**Key:**

- Well Pad ————
- Buffer Zone ————
- Pipeline ROW ————
- Isolated Loci ————

MAP: Farmington North, NM Photorevised 1979  
SCALE: 1:24,000

CONTOUR INTERVAL - 20 feet

# Big Jake #1 - Offset Operators and Owners

		Hallwood Petroleum		Marcia Fuller French		
	22	Greystone Energy	23	Bowen, Amoco		24
Hallwood Petroleum Pevehouse Oil			Questar, Adobe	Burlington Resources		
Dugan Production M. F. French						
Hallwood Petroleum						
27			Big Jake #1	26	Burlington Resources	25
Greystone Energy			O			
			Hallwood Petroleum			
			Greystone Energy			
34				Hallwood Petroleum		
Hallwood Petroleum				Greystone Energy		
Greystone Energy			35			36
			Burlington Resources			Burlington Resources

31 N. - 13 W.

Operator	Reservoir	Township	Range	Section
Dugan Production Company P.O. Box 420 Farmington, NM 87499-0420	Fruitland Coal	30 N	13 W	22 S/2
Burlington Resources Oil and Gas P.O. Box 4289 Farmington, NM 87499	Fruitland Coal	31 N	13 W	23 S/2SW/4, SE/4, S/2NE/4 25 W/2 26 E/2 27 SE/4 34 W/2 35 SW/4 36 W/2
Greystone Energy, Inc. 9155 East Nichols Ave. #350 Englewood, Colorado 80112	Fruitland Coal	31 N	13 W	22 NE/4, S/2 25 E/2 26 W/2 27 All excluding SE/4 34 E/2 35 All excluding SW/4
Hallwood Petroleum Inc 4610 South Ulster Street, Suite 200 Denver, CO 80237	Fruitland Coal	31 N	13 W	22 NE/4, S/2 25 E/2 26 W/2 27 All excluding SE/4 34 E/2 35 All excluding SW/4
Pevehouse Oil Company 4305 N. Garfield, #203 Midland, TX 79705-4336	Fruitland Coal	30 N	13 W	22 S/2
Marcia Fuller French P. O. Box 11327 Midland, TX 79702	Fruitland Coal	30 N	13 W	23 N/2NE/4, NE/4NW/4
Bowen Family Trust 333 Throckmorton Street, Suite 712 Ft. Worth, TX 76102	Fruitland Coal	30 N	13 W	23 NW/4NW/4, S/2NW/4 N/2SW/4
Questar Exploration & Production 1331 17th St., Suite 800 Denver, CO 80202	Fruitland Coal	30 N	13 W	23 NW/4NW/4, S/2NW/4 N/2SW/4
Amoco Production Company 501 W. Lake Park Blvd Houston, TX 77079	Fruitland Coal	31 N	13 W	23 NW/4NW/4, S/2NW/4 N/2SW/4
Adobe Oil Company 1000 Ballpark Way, St. 204 Arlington, TX 76011	Fruitland Coal	31 N	13 W	23 NW/4NW/4, S/2NW/4 N/2SW/4

AMOCO PRODUCTION CO  
C/O Don Duhrkopf  
501 West Lake Park BLVD.  
Houston, TX 77079-2696

DUGAN PRODUCTION CORP  
P.O. Box 420  
Farmington, NM 87499-0420

BURLINGTON RES O&G CO  
P.O. Box 4289  
Farmington, NM 87499

MARCIA FULLER FRENCH  
P.O. Box 11327  
Midland, TX 79702

GREYSTONE ENERGY, INC.  
9155 E. Nichols Ave., Suite 350  
Englewood, CO 80112

ADOBE OIL COMPANY  
1000 Ballpark Way, Suite 204  
Arlington, TX 76011-5171

HALLWOOD PETROLEUM  
4610 South Ulster Street, Suite 200  
Denver, CO 80237

PEVEHOUSE OIL COMPANY  
4305 N. Garfield, #203  
Midland, TX 79705-4336

BOWEN FAMILY TRUST  
333 Throckmorton, Suite 712  
Ft Worth, TX 76102

QUESTAR EXPL & PRODUCTION  
1331 17th Street, Suite 800  
Denver, CO 80202



**NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT**

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

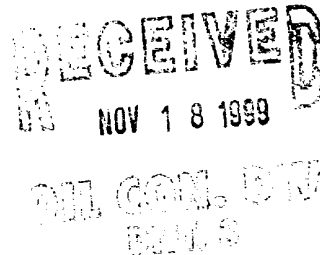
November 17, 1999

**Greystone Energy, Inc.**  
9155 E. Nichols Ave. - Suite 350  
Englewood, Colorado 80112

**Attention: Brien D. Voigt**  
**Vice President**

**U. S. Bureau of Land Management**  
**Farmington Field Office**  
1235 La Plata Highway - Suite A  
Farmington, New Mexico 87401-8731

**Attention: Ruben Sanchez**  
**Environmental Protection Team Lead**



**Re:** *Application for location exception.*  
*Big Jake Well No. 1*  
*2164' FNL & 186' FWL (Lot 3/Unit E)*  
*Sec. 26-T31N-R13W, NMPM,*  
*Basin-Fruitland Coal (Gas) Pool,*  
*San Juan County, New Mexico.*

Dear Messrs. Voigt and Sanchez:

Reference is made to the following: (i) Mr. Voigt's letter of application dated November 9, 1999 to the New Mexico Oil Conservation Division ("Division"); (ii) Mr. Sanchez's letter dated October 26, 1999 concerning this matter; (iii) the "Special Rules and Regulations for the Basin-Fruitland Coal Gas Pool," as promulgated by Division Order No. R-8768, as amended; and (iv) the Division's records in Santa Fe. The purpose of this letter is to inquire as to why an alternate location considered to be standard for the subject well on an existing well pad located approximately one-quarter mile to the northeast [belonging to Greystone's Payne Well No. 3-E (API No. 30-045-25953), located 850 feet from the North line and 940 feet from the West line (Unit Lot 2/Unit D) of Section 26] was not considered (see copies of topo map and portions of the well file attached).

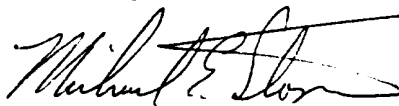
Locating the proposed Big Jake Well No. 1 604 feet (two football field lengths) closer to the outer boundary of the proposed standard 331.77-acre unit comprising the W/2 equivalent (Lots 1, 2, 3, and 4 and the SW/4) of Section 26 then allowed under the current pool rules constitutes a resource conflict. It is the Division's statutory mandate to protect correlative rights, prevent waste, and assure that oil and gas resources within New Mexico are developed in a prudent manner utilizing sound engineering practices.



It appears that staking the proposed Big Jake Well No. 1 on the existing well site for Greystone's Payne Well No. 3-E would serve to minimize surface resource damage while assuring proper reservoir drainage and the prudent development of valuable coal gas resources. By locating wells on an established drainage pattern for a pool, such as the Basin-Fruitland Coal (Gas) Pool as well as all oil and gas production in New Mexico, a minimum number of wells to properly drain its reserves are needed. Varying from this established pattern or the placement of wells too close to or too far from off-setting spacing units results in the need for additional wells to be drilled in order to effectively protect from adverse encroachment or to adequately drain an area. Additional wells in this case would not only be considered wasteful but would adversely impact the surface resources referenced in Mr. Sanchez's letter.

Therefore, it is the request of this agency that the Big Jake Well No. 1 be moved to a standard coal gas well location or, in the alternative, to an alternate location that is less unorthodox in order to lessen adverse impact to neighboring properties and to assure the orderly development of coal gas reserves in this area

Sincerely,



Michael E. Stogner  
Chief Hearing Officer/Engineer

MES/kv

cc: New Mexico Oil Conservation Division - Aztec  
Mr. Steve Salzman - U. S. Bureau of Land Management, Santa Fe  
Mr. Lee Otteni, Field Office Manager - U. S. Bureau of Land Management, Farmington  
Mr. Neel McBride - U. S. Bureau of Land Management, Farmington  
Ms. Kathy Valdes, NMOCD - Santa Fe  
Ms. Lori Wrotenbery, Director - NMOCD, Santa Fe

NSL 12/2/99



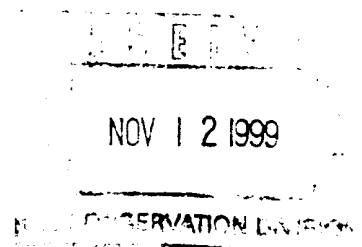
GREYSTONE ENERGY, INC.

9155 E Nichols Ave., Suite 350 • Englewood, CO 80112

Bus: 303-925-0542 • Fax: 303-925-0543

November 9th, 1999

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New Mexico Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505



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San Juan County, New Mexico

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If additional information is needed, please contact me at (303) 925-0542 Ext. 223.

Sincerely,

Brian D. Voigt  
Vice President

CC: NMOCD-Aztec, BLM – Farmington, Offset Operators / Lease Holders

# FIGURE 3a

DISTRICT I  
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, N.M. 88211-0719

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

DISTRICT IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code		*Pool Name	
*Property Code		*Property Name BIG JAKE			*Well Number 1
*OCRID No.		*Operator Name GREYSTONE ENERGY, INC.,			*Elevation 5667'

### <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	31-N	13-W		2164	NORTH	186	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		*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

FD. BLM  
BRASS CAP  
1952

N 89-48-27 W 1/4 188.29' (MEAS.)

18

N 03-10-08 E 2,889.43' (MEAS.)

2164'

186'

FD. BLM  
BRASS CAP  
1952

26

FD. BLM  
BRASS CAP  
1952

N 00-05-51 W 2630.85' (MEAS.)

FD. BLM  
BRASS CAP  
1952

*Greystone Energy  
P.O. Box 2088  
Santa Fe, NM 87504-2088  
4-30-99  
Basin A hole  
Paul Completion*

FD. BLM  
BRASS CAP  
1952

### 17 OPERATOR CERTIFICATION

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

Brian D. Voigt  
Signature  
Brian D. Voigt  
Printed Name  
VP  
Title  
11/9/99  
Date

### 18 SURVEYOR CERTIFICATION

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

10-18-99  
Date of Survey  
Signature and Seal of Professional Surveyor  
8894  
8894  
Certificate Number



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Farmington District Office  
1235 La Plata Highway  
Farmington, New Mexico 87401

IN REPLY REFER TO:  
3162.5-1 (070)

OCT 26 1999

RECEIVED  
NOV 11 1999

Mr. Brian D. Voigt  
Greystone Energy, Inc.  
9155 East Nichols Ave., Suite 350  
Englewood, CO 80112

Dear Mr. Voigt:

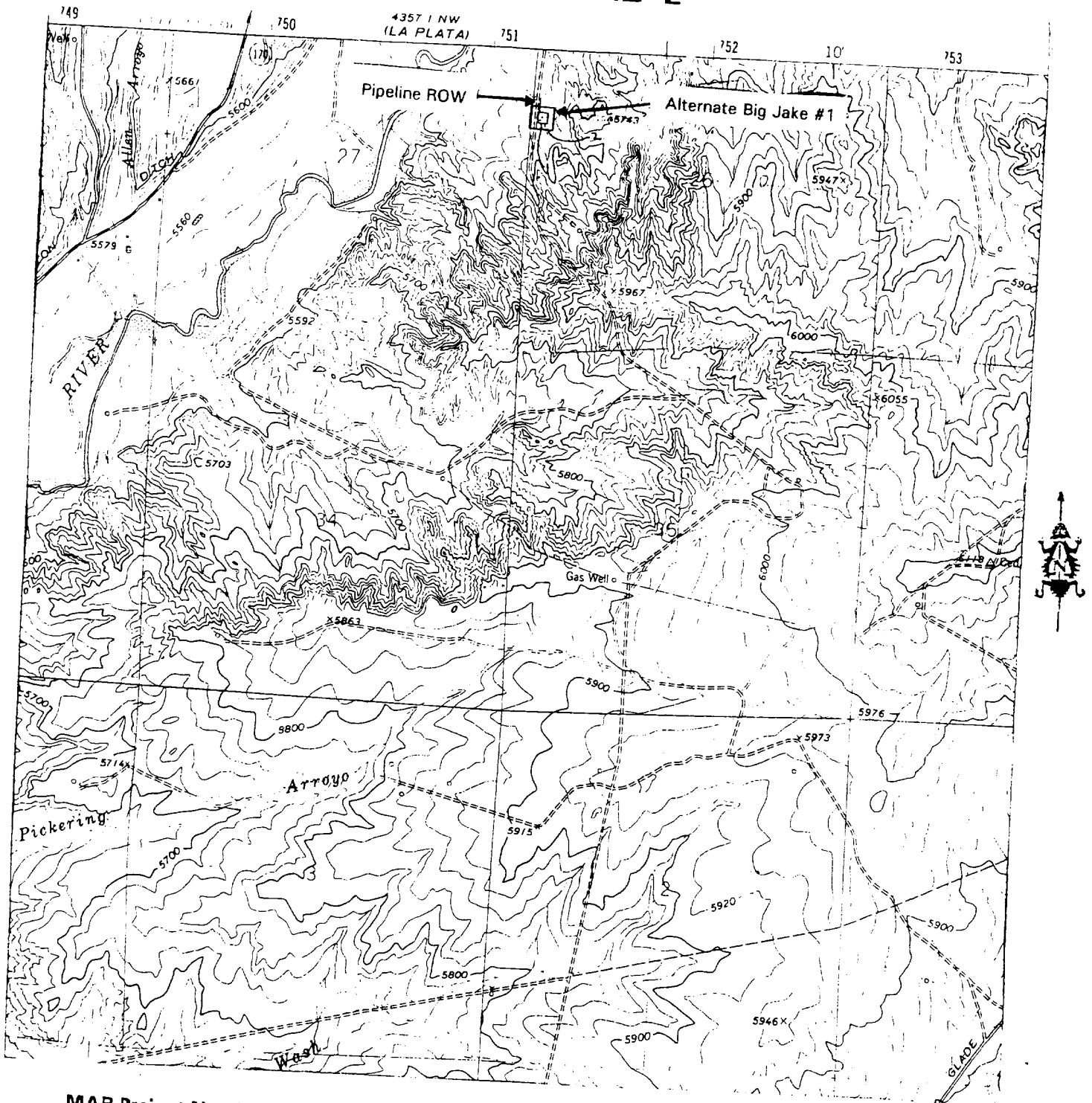
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Ruben Sanchez  
Environmental Protection Team Lead





# FIGURE 2



MAR Project No. 99-115  
 NMCRIS Proj# 65911, Act# 66211

Alternate Big Jake #. 1 Well and Pipeline  
 T31N, R13W, Sec. 26; NMPM;  
 San Juan County, New Mexico

**Key:**

- Well Pad 
- Buffer Zone 
- Pipeline ROW 
- Isolated Loci 

MAP: Farmington North, NM Photorevised 1979  
 SCALE: 1:24,000

CONTOUR INTERVAL: 20

# Big Jake #1 - Offset Operators and Owners

		Hallwood Petroleum		Marcia Fuller French		
	22	Greystone Energy	23	Bowen, Amoco		24
Hallwood Petroleum		Pevhouse Oil		Questar, Adobe		
Dugan Production		M. F. French				
Hallwood Petroleum	27		Big Jake #1			25
Greystone Energy		Burlington	26			
			Hallwood Petroleum			
			Greystone Energy			
34		Hallwood Petroleum		Hallwood Petroleum		
		Greystone Energy	35	Greystone Energy		36
			Burlington Resources			Burlington Resources

31 N. - 13 W.

Operator	Reservoir	Township	Range	Section
Dugan Production Company P.O. Box 420 Farmington, NM 87499-0420	Fruitland Coal	30 N	13 W	22 S/2
Burlington Resources Oil and Gas P.O. Box 4289 Farmington, NM 87499	Fruitland Coal	31 N	13 W	23 S/2SW/4, SE/4, S/2NE/4 25 W/2 26 E/2 27 SE/4 34 W/2 35 SW/4 36 W/2
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Questar Exploration & Production 1331 17th St., Suite 800 Denver, CO 80202	Fruitland Coal	30 N	13 W	23 NW/4NW/4, S/2NW/4 N/2SW/4
Amoco Production Company 501 W. Lake Park Blvd Houston, TX 77079	Fruitland Coal	31 N	13 W	23 NW/4NW/4, S/2NW/4 N/2SW/4
Adobe Oil Company 1000 Ballpark Way, St. 204 Arlington, TX 76011	Fruitland Coal	31 N	13 W	23 NW/4NW/4, S/2NW/4 N/2SW/4

AMOCO PRODUCTION CO  
C/O Don Duhrkopf  
501 West Lake Park BLVD.  
Houston, TX 77079-2696

DUGAN PRODUCTION CORP  
P.O. Box 420  
Farmington, NM 87499-0420

BURLINGTON RES O&G CO  
P.O. Box 4289  
Farmington, NM 87499

MARCIA FULLER FRENCH  
P.O. Box 11327  
Midland, TX 79702

GREYSTONE ENERGY, INC.  
9155 E. Nichols Ave., Suite 350  
Englewood, CO 80112

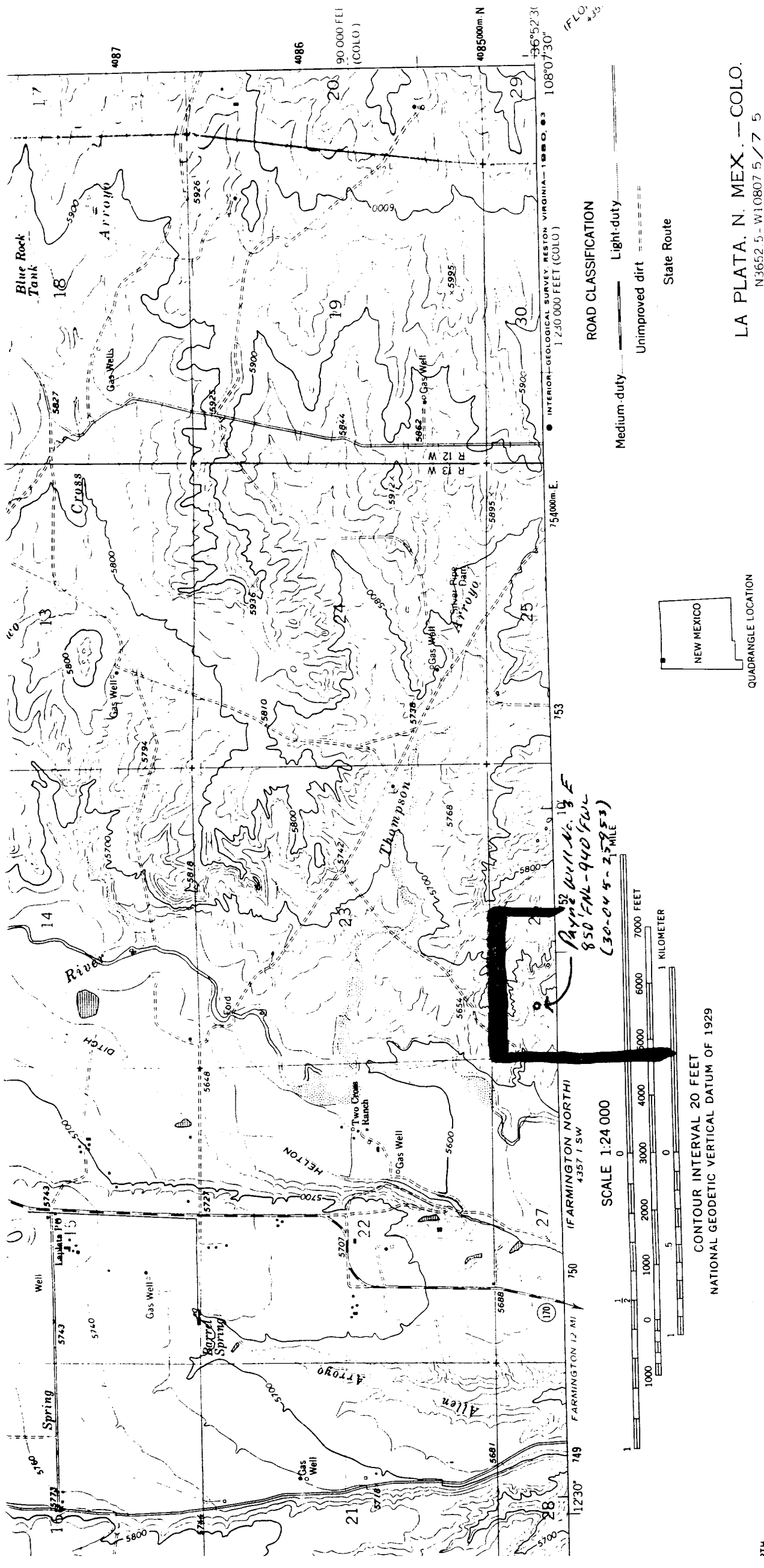
ADOBE OIL COMPANY  
1000 Ballpark Way, Suite 204  
Arlington, TX 76011-5171

HALLWOOD PETROLEUM  
4610 South Ulster Street, Suite 200  
Denver, CO 80237

PEVEHOUSE OIL COMPANY  
4305 N. Garfield, #203  
Midland, TX 79705-4336

BOWEN FAMILY TRUST  
333 Throckmorton, Suite 712  
Ft. Worth, TX 76102

QUESTAR EXPL & PRODUCTION  
1331 17th Street, Suite 800  
Denver, CO 80202



LA PLATA, N. MEX. - COLO.  
N3652 5-W10807 5/7 5

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

1963  
PHOTOREVISED 1979  
DMA 4357 1 NW - SERIES V881

374  
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photographs  
ation not



# BURLINGTON RESOURCES

November 23, 1999

RECEIVED  
NOV 23 1999

New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

Re: San Juan 27-5 Unit #106  
G Section 1, T-27-N, R-5-W  
30-039-20025

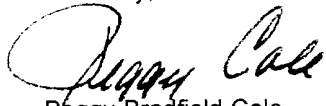
Gentlemen:

Attached is a copy of the allocation for the commingling of the subject well. DHC-2284 was issued for this well.

Gas:	Mesa Verde	80%
	Dakota	20%
Oil:	Mesa Verde	50%
	Dakota	50%

These allocations are based on historical production from the Mesa Verde and Dakota. Please let me know if you have any questions.

Sincerely,



Peggy Bradfield Cole  
Regulatory/Compliance Administrator

Xc: NMOCD – Santa Fe  
Bureau of Land Management – Farmington

## PRODUCTION ALLOCATION FORMULA USING FLOW TEST INFORMATION

San Juan 27-5 Unit #106  
(Mesaverde/Dakota) Commingle  
Unit G, 01-T27N-R05W  
Rio Arriba County, New Mexico

### Allocation Formula Method:

1999 Three Month Dakota Average = 111 MCFD & 0 BO

1999 First Three Month Commingled Average = 567 MCFD & 0 BO

1999 Commingled Production - 1999 Dakota Average = Mesaverde Contribution

### GAS:

$$\frac{(DK) 111 \text{ MCFD}}{(MV \& DK) 567 \text{ MCFD}} = (DK) \% \text{ Dakota 20\%}$$

$$\frac{(MV \& DK) 567 \text{ MCFD (100\%)} - (DK) 111 \text{ MCFD (26\%)}}{(MV \& DK) 567 \text{ MCFD (100\%)}} = (MV) \% \text{ Mesaverde 80\%}$$

### OIL:

$$\frac{(DK) 0 \text{ BOPD}}{(MV \& DK) 0 \text{ BOPD}} = (DK) \% \text{ Dakota 50\%}$$

$$\frac{(MV \& DK) 0 \text{ BOPD (100\%)} - (DK) 0 \text{ BOPD (50\%)}}{(MV \& DK) 0 \text{ BOPD (100\%)}} = (MV) \% \text{ Mesaverde 50\%}$$

# **BURLINGTON RESOURCES**

24-7-99  
NOV 23 1999  
DRL

November 23, 1999

New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

Re: San Juan 27-5 Unit #118  
K Section 22, T-27-N, R-5-W  
30-039-20318

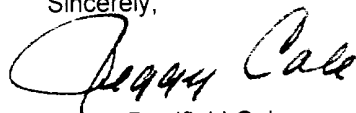
Gentlemen:

Attached is a copy of the allocation for the commingling of the subject well. DHC-2287 was issued for this well.

Gas:	Mesa Verde	69%
	Dakota	31%
Oil:	Mesa Verde	50%
	Dakota	50%

These allocations are based on historical production from the Mesa Verde and Dakota. Please let me know if you have any questions.

Sincerely,



Peggy Bradfield Cole  
Regulatory/Compliance Administrator

Xc: NMOCD – Santa Fe  
Bureau of Land Management – Farmington

## PRODUCTION ALLOCATION FORMULA USING FLOW TEST INFORMATION

San Juan 27-5 Unit #118  
(Mesaverde/Dakota) Commingle  
Unit K, 22-T27N-R05W  
Rio Arriba County, New Mexico

### Allocation Formula Method:

1999 Three Month Dakota Average = 160 MCFD & 0 BO

1999 First Three Month Commingled Average = 517 MCFD & 0 BO

1999 Commingled Production - 1999 Dakota Average = Mesaverde Contribution

### GAS:

$$\frac{(DK) 160 \text{ MCFD}}{(MV \& DK) 517 \text{ MCFD}} = (DK) \% \text{ Dakota 31\%}$$

$$\frac{(MV \& DK) 517 \text{ MCFD (100\%)} - (DK) 160 \text{ MCFD (26\%)}}{= (MV) \% \text{ Mesaverde 69\%}}$$

### OIL:

$$\frac{(DK) 0 \text{ BOPD}}{(MV \& DK) 0 \text{ BOPD}} = (DK) \% \text{ Dakota 50\%}$$

$$\frac{(MV \& DK) 0 \text{ BOPD (100\%)} - (DK) 0 \text{ BOPD (50\%)}}{= (MV) \% \text{ Mesaverde 50\%}}$$

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-104  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address GREYSTONE ENERGY, INC. 1801 BROADWAY, SUITE 630 DENVER, CO. 80202		<sup>2</sup> OGRID Number 173252
		<sup>3</sup> Reason for Filing Code CH
<sup>4</sup> API Number 30-045-25953	<sup>5</sup> Pool Name Basin Dakota	<sup>6</sup> Pool Code 71599
<sup>7</sup> Property Code	<sup>8</sup> Property Name PAYNE (DK)	<sup>9</sup> Well Number 3E

II. <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
D	26	3N	13W		850	N	940	W	SS

<sup>11</sup> Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Lse Code	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> POD ULSTR Location and Description
025241	Williamsfield SWS	2293830	G	
009108	Etiant Refining Co.	2293810	O	

RECEIVED  
OCT 14 1994  
OIL CONSERVATION DIVISION  
DISTRICT #3

IV. Produced Water

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description

V. Well Completion Data

<sup>25</sup> Spud Date	<sup>26</sup> Ready Date	<sup>27</sup> TD	<sup>28</sup> PBDT	<sup>29</sup> Perforations	<sup>30</sup> DHC, DC, MC
<sup>31</sup> Hole Size	<sup>32</sup> Casing & Tubing Size	<sup>33</sup> Depth Set	<sup>34</sup> Sacks Cement		

VI. Well Test Data

<sup>35</sup> Date New Oil	<sup>36</sup> Gas Delivery Date	<sup>37</sup> Test Date	<sup>38</sup> Test Length	<sup>39</sup> Tbg. Pressure	<sup>40</sup> Csg. Pressure
<sup>41</sup> Choke Size	<sup>42</sup> Oil	<sup>43</sup> Water	<sup>44</sup> Gas	<sup>45</sup> AOF	<sup>46</sup> Test Method

<sup>47</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.  
Signature: *Tom Parker*

Printed name: TOM PARKER

Title: PRESIDENT

Date: 9/16/95

Phone: 303-221-7576

OIL CONSERVATION DIVISION

Approved by:

Title: SUPERVISOR DISTRICT #3

Approval Date:

OCT 14 1998

<sup>48</sup> If this is a change of operator fill in the OGRID number and name of the previous operator

DANA M. DUTCHER

PRESIDENT

Previous Operator Signature

Printed Name

Title

Date

CHATEAU OIL AND GAS, INC. 159819

New Mexico Oil Conservation Division

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-104  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address GREYSTONE ENERGY, INC. 1801 BROADWAY, SUITE 630 DENVER, CO. 80202		<sup>2</sup> OGRID Number 17325
		<sup>3</sup> Reason for Filing Code CH
<sup>4</sup> API Number 30-045-25953	<sup>5</sup> Pool Name floravista Gallery	<sup>6</sup> Pool Code 76640
<sup>7</sup> Property Code	<sup>8</sup> Property Name PAYNE (GP)	<sup>9</sup> Well Number 3E

II. <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
D	26	3N	13W		850	N	940	W	SS

<sup>11</sup> Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Lse Code	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> POD ULSTR Location and Description
625244	Willamette Oil & Gas	2286530	5	
0091018	Enclave Refining Co.	2286510	0	

IV. Produced Water

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description

V. Well Completion Data

<sup>25</sup> Spud Date	<sup>26</sup> Ready Date	<sup>27</sup> TD	<sup>28</sup> PRTD	<sup>29</sup> Perforations	<sup>30</sup> DIHC, DC, MC
<sup>31</sup> Hole Size	<sup>32</sup> Casing & Tubing Size	<sup>33</sup> Depth Set	<sup>34</sup> Sacks Cement		

VI. Well Test Data

<sup>35</sup> Date New Oil	<sup>36</sup> Gas Delivery Date	<sup>37</sup> Test Date	<sup>38</sup> Test Length	<sup>39</sup> Thg. Pressure	<sup>40</sup> Csg. Pressure
<sup>41</sup> Choke Size	<sup>42</sup> Oil	<sup>43</sup> Water	<sup>44</sup> Gas	<sup>45</sup> AOF	<sup>46</sup> Test Method

<sup>47</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>TOM PARKER</i>		OIL CONSERVATION DIVISION	
Printed name: TOM PARKER		Approved by: <i>228</i>	
Title: PRESIDENT		Title: SUPERVISOR DISTRICT #3	
Date: 9/16/98		Approval Date: OCT 14 1998	
Phone: 303-221-7576			
<sup>48</sup> If this is a change of operator fill in the OGRID number and name of the previous operator			
Previous Operator Signature: <i>DANA M. DUTCHER</i>		DANA M. DUTCHER	
Printed Name		PRESIDENT	
CHATEAU OIL AND GAS, INC. 159819		Title	
New Mexico Oil Conservation Division		Date: 9/16/98	

Form 3160-5  
(June 1990)

OIL CONSERVATION  
REGISTRATION

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.  
SF078464

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Payne No. 3E

9. API Well No.  
30-045-25953

10. Field and Pool, or Exploratory Area  
Baisn Dakota

11. County or Parish, State

San Juan, New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Snyder Oil Corporation

3. Address and Telephone No.

P.O. Box 2038, Farmington, N.M. 87499 505-632-8056

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

850' FNL & 940' FWL  
Section 26, T31N, R13W, NMPM

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

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

- ☐ Change of Plans  
☒ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Snyder Oil Corporation proposes to lay a 4" gas gathering line and construct a compressor site to connect the subject well to a tie in point on Gas Company of New Mexico as shown on the attached survey plats. The pipeline construction will require a 40' wide right of way (20' on each side of centerline survey with a total length of 2973.56'. The compressor site is 150' x 150' (0.52 acres). The project is on Federal surface. An archeological survey of the entire route has been completed by Southwest Archaeological Services, Inc. with the results contained in Technical Report No. 93-SASI-062S which has been forwarded to the BLM. Pipeline specifications are shown on the attached sheet.

Snyder intends to commence construction of this project as soon as approval is issued.

RECEIVED

DEC 30 1993

OIL CON. DIV.  
DIST. 3

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

Signed

*John A. Stank*

Title

AGENT

Date

11/29/93

(This space for Federal or State office use)

APPROVED

Approved by

Conditions of approval, if any:

Title

Date

12/3/93

DISTRICT MANAGER

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

**SNYDER OIL CORPORATION**  
**PIPELINE SPECIFICATIONS**

LINE SIZE: 4" Nominal.

PIPE SPECS: 4.5" O.D., 0.237" wall thickness, plain end seamless, Grade A25 or better manufactured in accordance with API Spec 5L.

BURIAL DEPTH: (+/-) 48". Sand padding will be used in all portions of ditch that have rock bottom and/or sides.

JOINING METHOD: Welded as per API Standard 1104.

SYSTEM OPERATING PRESSURE: 150 psig.

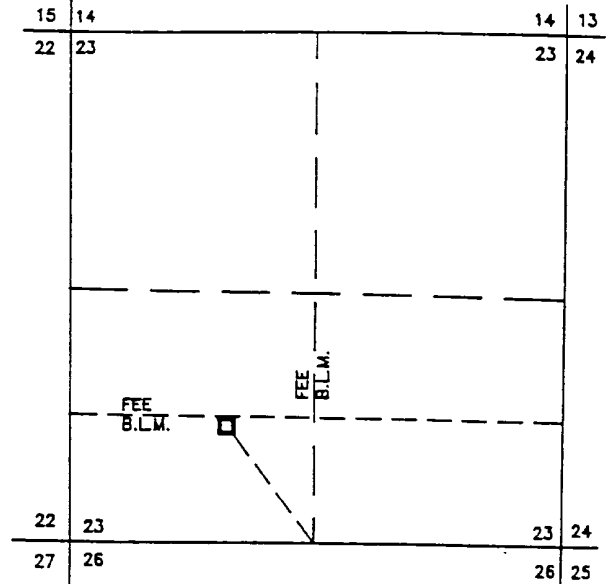
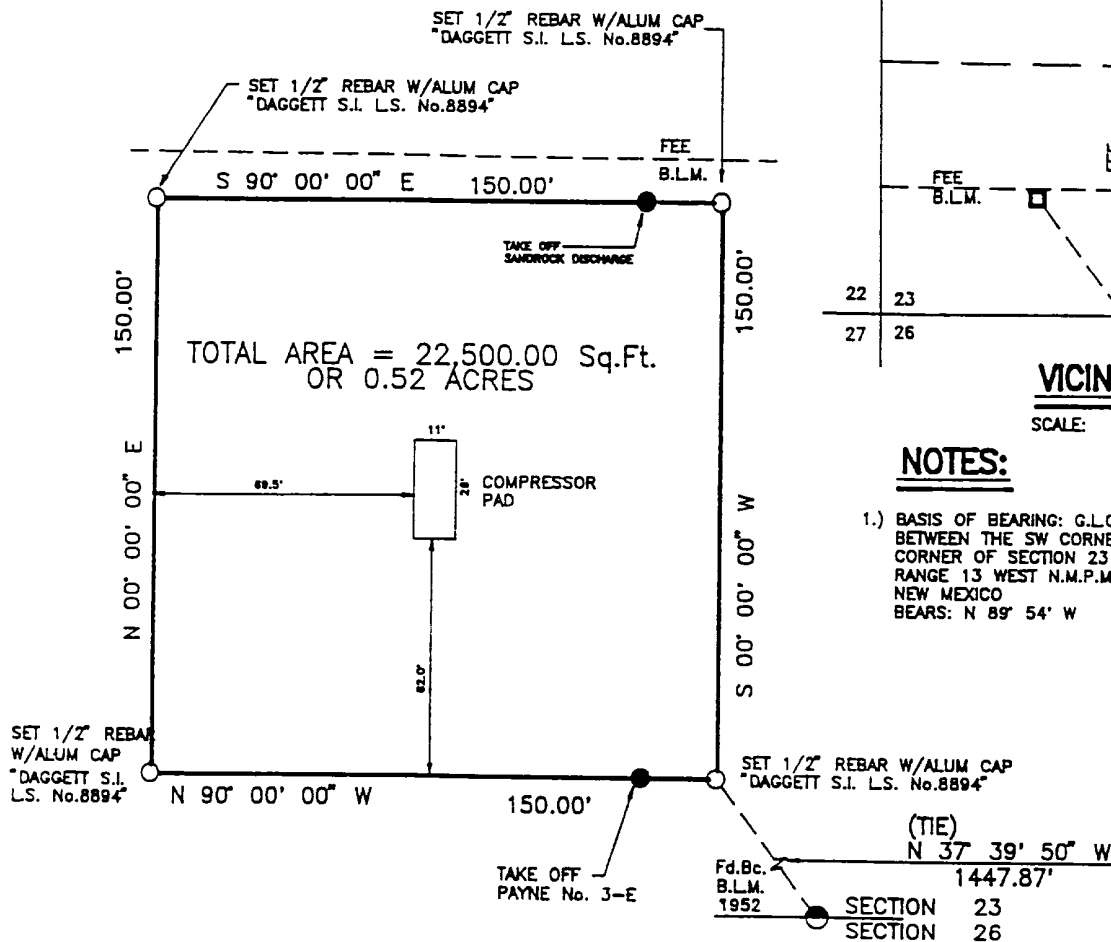
TESTS: 10% of welds will be radiologically inspected.  
Pipe will be tested to 500 psig prior to backfilling.

NOTIFICATIONS: All owner/operators of offset or crossed below ground facilities will be notified prior to start of construction.

MARKING: Pipeline route will be marked with appropriate markers at all road crossings and on a line of sight spacing through the entire route.



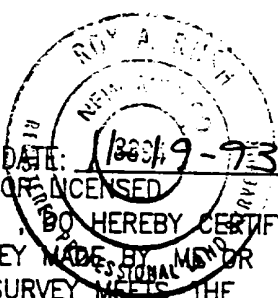
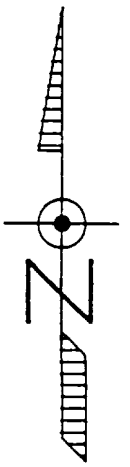
A SURVEY FOR  
**SNYDER OIL**  
**SANDROCK COMPRESSOR SITE**  
 SW 1/4 SEC.23, T.31 N., R.13 W., N.M.P.M.,  
 SAN JUAN COUNTY, NEW MEXICO



**VICINITY MAP:**  
 SCALE: 1" = 2000'

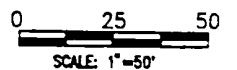
**NOTES:**

- 1.) BASIS OF BEARING: G.L.O. RECORD BEARING BETWEEN THE SW CORNER & THE SOUTH QUARTER CORNER OF SECTION 23 TOWNSHIP 31 NORTH RANGE 13 WEST N.M.P.M., SAN JUAN COUNTY NEW MEXICO BEARS: N 89° 54' W



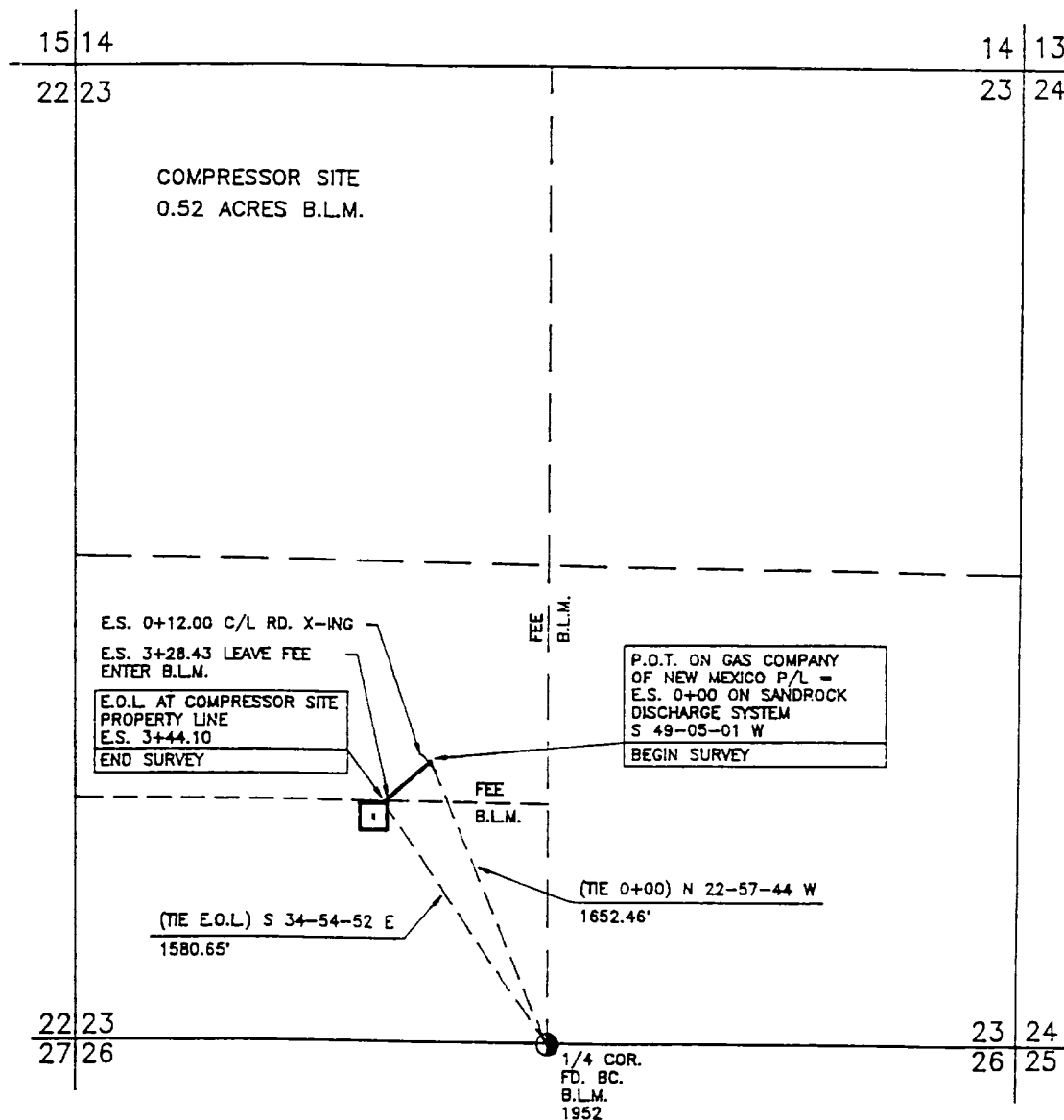
I, ROY A. RUSH, A DULY QUALIFIED LAND SURVEYOR, LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THIS SURVEY MEETS THE AMENDED MINIMUM STANDARDS FOR LAND SURVEYS IN NEW MEXICO.

MOVE PAD	R.D.R.	11/93
CH. T.O.	R.D.R.	11/93
REVISION	REV. BY	DATE



**DAGGETT SURVEYING, INC.**  
 P.O. BOX NO.2789  
 FARMINGTON, NEW MEXICO 87401  
 (505) 326-1772  
 REGISTERED LAND SURVEYOR  
 NEW MEXICO No.8894

A SURVEY FOR  
**SNYDER OIL  
 GAS PIPELINE**  
**SANDROCK DISCHARGE SYSTEM**  
 SW/4 SEC. 23, T. 31 N., R. 13 W., N.M.P.M.  
 SAN JUAN COUNTY, NEW MEXICO



**NOTES:**

- 1.) BASIS OF BEARING: G.L.O. RECORD BEARING BETWEEN THE SW CORNER & THE SOUTH QUARTER CORNER OF SECTION 23, TOWNSHIP 31 NORTH, RANGE 13 WEST, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO. BEARS: N 89° 54' W

OWNER	STATION	FT./RODS
FEE	0+00 TO 3+28.43	328.43/19.90
B.L.M.	3+28.43 TO 3+44.10	15.67/0.95

*Roy A. Rush*

DATE: 11-19-93

I, ROY A. RUSH, A DULY QUALIFIED LAND SURVEYOR, LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THIS SURVEY MEETS THE AMENDED MINIMUM STANDARDS FOR LAND SURVEYS IN NEW MEXICO.

LC	R.D.R.	11/93
REVISION	REV. BY	DATE

**DAGGETT SURVEYING, INC**  
 P.O. BOX NO.2789  
 FARMINGTON, NEW MEXICO 87401  
 (505) 326-1772  
 REGISTERED LAND SURVEYOR  
 NEW MEXICO No. 8804

0 500 10  
 SCALE: 1"=1000'

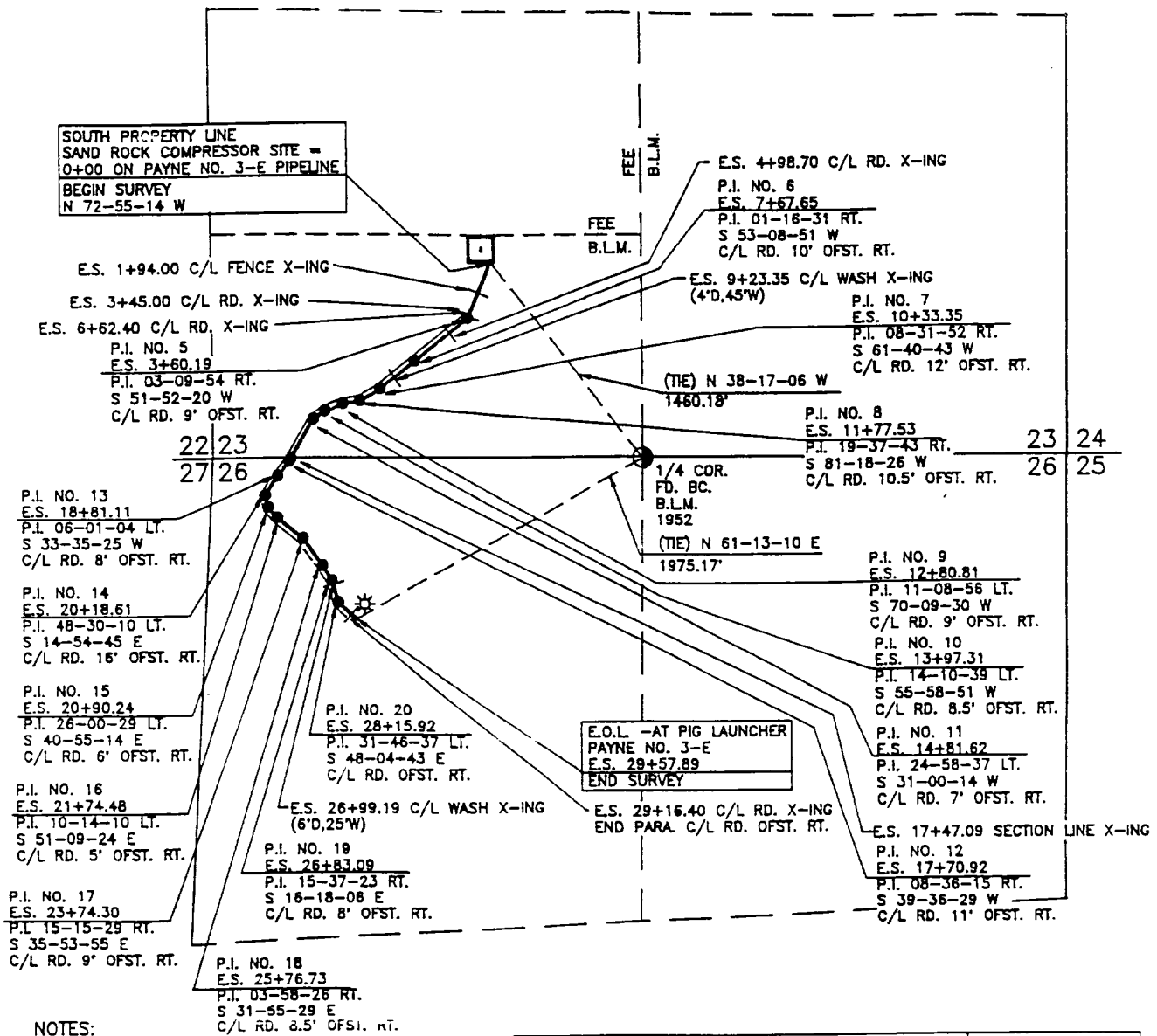


A SURVEY FOR

SNYDER OIL

GAS PIPELINE  
PAYNE NO. 3-E

SE/4 SEC. 23, NE/4 SEC. 26, T. 31 N., R. 13 W., N.M.P.M.  
SAN JUAN COUNTY, NEW MEXICO



NOTES:

- 1.) BASIS OF BEARING: G.L.O. RECORD BEARING BETWEEN THE SW CORNER & THE SOUTH QUARTER CORNER OF SECTION 23, TOWNSHIP 31 NORTH, RANGE 13 WEST, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO. BEARS: N 89° 54' W

OWNER	STATION	FT./RODS
B.L.M.	0+00 TO 29+57.89	2957.89/179.27

DATE: 9/9/93

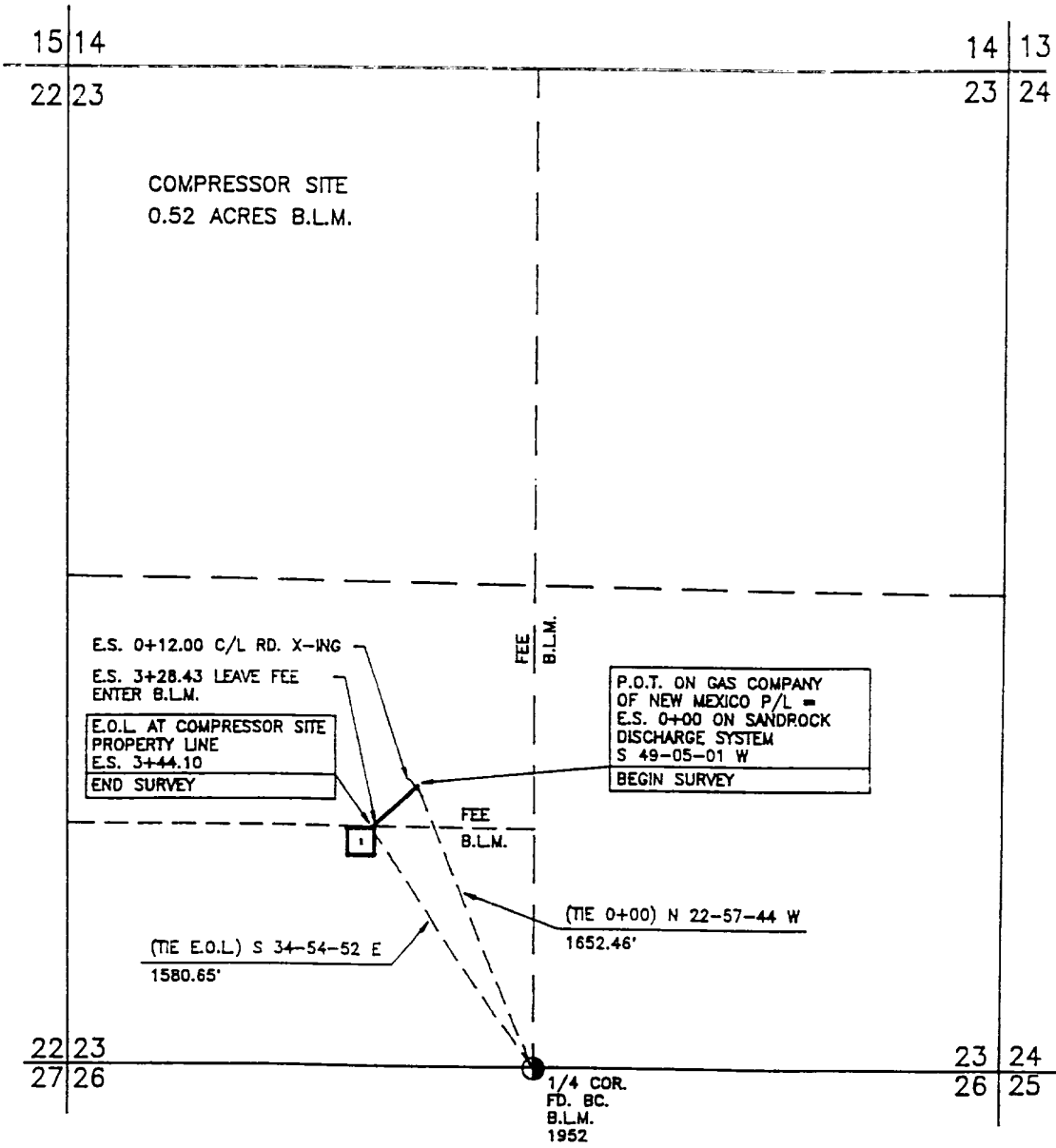
I, ROY A. RUSH, A DULY QUALIFIED LAND SURVEYOR LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THIS SURVEY MEETS THE AMENDED MINIMUM STANDARDS FOR LAND SURVEYS IN NEW MEXICO.

REVISION REV. BY DATE  
**DAGGETT SURVEYING, INC**  
P.O. BOX NO.2789  
FARMINGTON, NEW MEXICO 87401  
(505) 326-1772  
REGISTERED LAND SURVEYOR



A SURVEY FOR

SNYDER OIL  
GAS PIPELINE  
SANDROCK DISCHARGE SYSTEM  
SW/4 SEC. 23, T. 31 N., R. 13 W., N.M.P.M.  
SAN JUAN COUNTY, NEW MEXICO

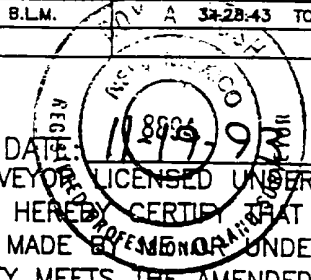


NOTES:

- 1.) BASIS OF BEARING: C.L.O. RECORD BEARING BETWEEN THE SW CORNER & THE SOUTH QUARTER CORNER OF SECTION 23, TOWNSHIP 31 NORTH, RANGE 13 WEST, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO. BEARS: N 89° 54' W

OWNER	STATION	FT./RODS
FEE	0+00 TO 3+28.43	328.43/19.90
B.L.M.	3+28.43 TO 3+44.10	15.67/0.95

*Roy A. Rush*



I, ROY A. RUSH, A DULY QUALIFIED LAND SURVEYOR LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THIS SURVEY MEETS THE AMENDED MINIMUM STANDARDS FOR LAND SURVEYS IN NEW MEXICO.

0 500 1000  
SCALE: 1"=1000'

L.C.	R.D.R.	11/93
REVISION	REV. BY	DATE

**DAGGETT SURVEYING, INC.**  
P.O. BOX NO.2789  
FARMINGTON, NEW MEXICO 87401  
(505) 326-1772  
REGISTERED LAND SURVEYOR

