JAMES BRUCE ATTORNEY AT LAW

POST OFFICE BOX 1056 SANTA FE. NEW MEXICO 87504

SUITE B 612 OLD SANTA FE TRAIL SANTA FE, NEW MEXICO 87501

(505) 982-2043 (505) 982-2151 (FAX)

September 26, 1997

Hand Delivered

Michael E. Stogner Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

Dear Mr. Stogner:

Pursuant to Division Rule 104.F(2), Santa Fe Energy Resources, Inc. ("Santa Fe") hereby applies for administrative approval of \underline{two} unorthodox gas well locations, in the Morrow formation (Undesignated Quail Ridge-Morrow Gas Pool¹), for the following well:

Topaz "19" Fed. Com. Well No. 1 Lots 1-4, E%W% (W%) §19, Township 20 South, Range 34 East, NMPM (320.28 acres), Lea County, New Mexico

1st location: 660 feet FSL & 2084 feet FWL

2nd location: 1100 feet FSL & 660 feet FWL (directionally

drilled)

The primary objective in this well is the lower Morrow sands, at a depth of approximately 13,700 feet subsurface. (Secondary objectives include the middle Morrow sands (13,200 feet), Atoka sand (12,800 feet), Bone Spring (9,600 feet), and Delaware sands (5,700 feet).²) A production map of the area is attached hereto as Exhibit A.

Fluvial sands in the lower Morrow were deposited in a north-south direction across the prospect area, as shown on the isopach

¹Pool rules require wells to be no closer than 1980 feet from the end line of the spacing unit.

²The well is at an orthodox location in the Bone Spring and Delaware formations.

attached hereto as Exhibit B. Producers along this trend are prolific: Santa Fe's Sinagua "18" Fed. Well No. 1, in the NE% §18-20S-34E, has produced 3.47 BCF to date from the lower Morrow sands. Also attached is a structure map on top of the lower Morrow (Exhibit C).

Santa Fe plans to re-enter the Cities Service Government "N" Well No. 1Y, which was drilled as a Devonian test in 1968 at the 1st location described above. The well encountered good thicknesses in both the middle and lower Morrow sands, but was not thoroughly tested. Santa Fe will first test the Morrow at the 1st location. If that test is unsatisfactory, Santa Fe will come uphole to approximately 10,100 feet, and drill directionally to the 2nd location. Electric logs and hydrocarbon shows from wells in the area indicate that pay improves to the west of the 1st location. The proposed vertical location, if successful, will lessen the cost of the well and thus prevent waste. The directionally drilled location, if necessary, will allow Santa Fe to penetrate approximately 35 feet of Morrow sand, which will increase the chances of completing a commercial well.

Attached as Exhibit D are the APD (Form 3160-3), Form C-102, and vertical and horizontal plan view of the well, submitted to the Bureau of Land Management.

Attached as Exhibit E is a land plat of the subject area, highlighting Santa Fe-operated acreage in yellow. Although all of the offsetting acreage is operated by Santa Fe, offsetting lessees have been notified of this application, as evidenced by the notice letter attached hereto as Exhibit F. Please note that, if the well is directionally drilled, the only offset lessees in Sections 24 & 25-20S-33E and the W% §30-20S-34E are Santa Fe, Louis Dreyfus Natural Gas Corp., and Southwestern Energy Production Company, who are also interest owners in the proposed well.

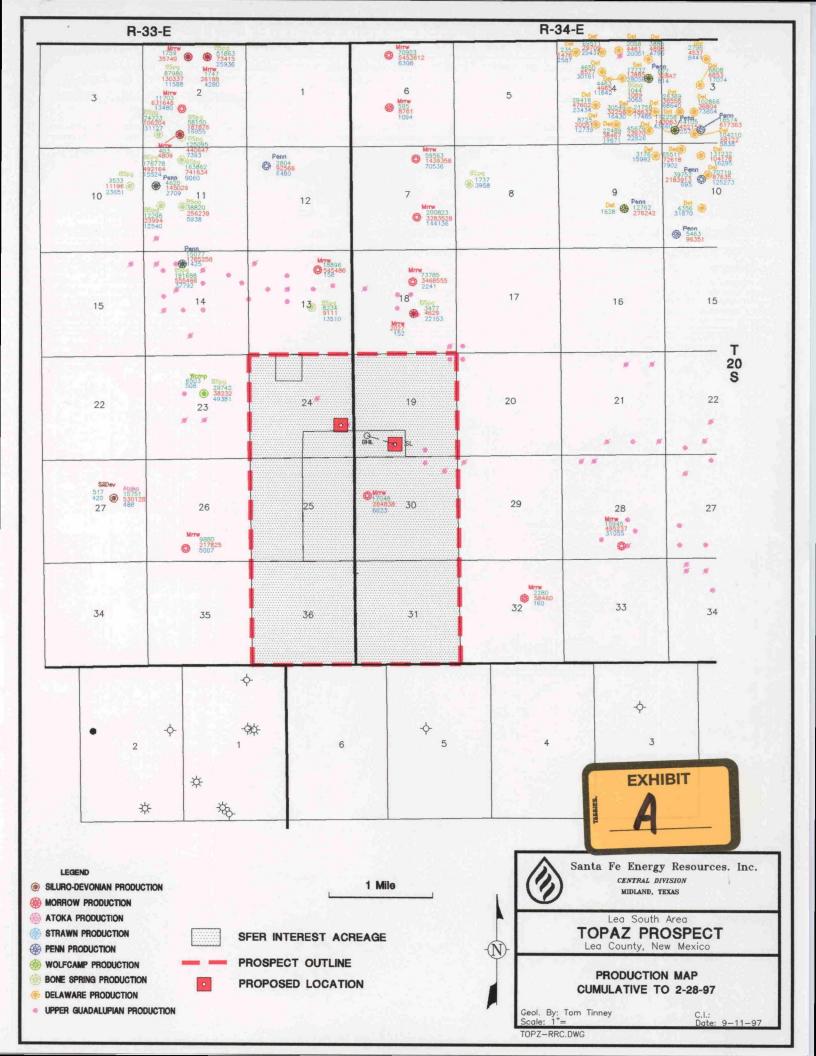
This application is submitted in duplicate. Please call me if you need anything further on this matter.

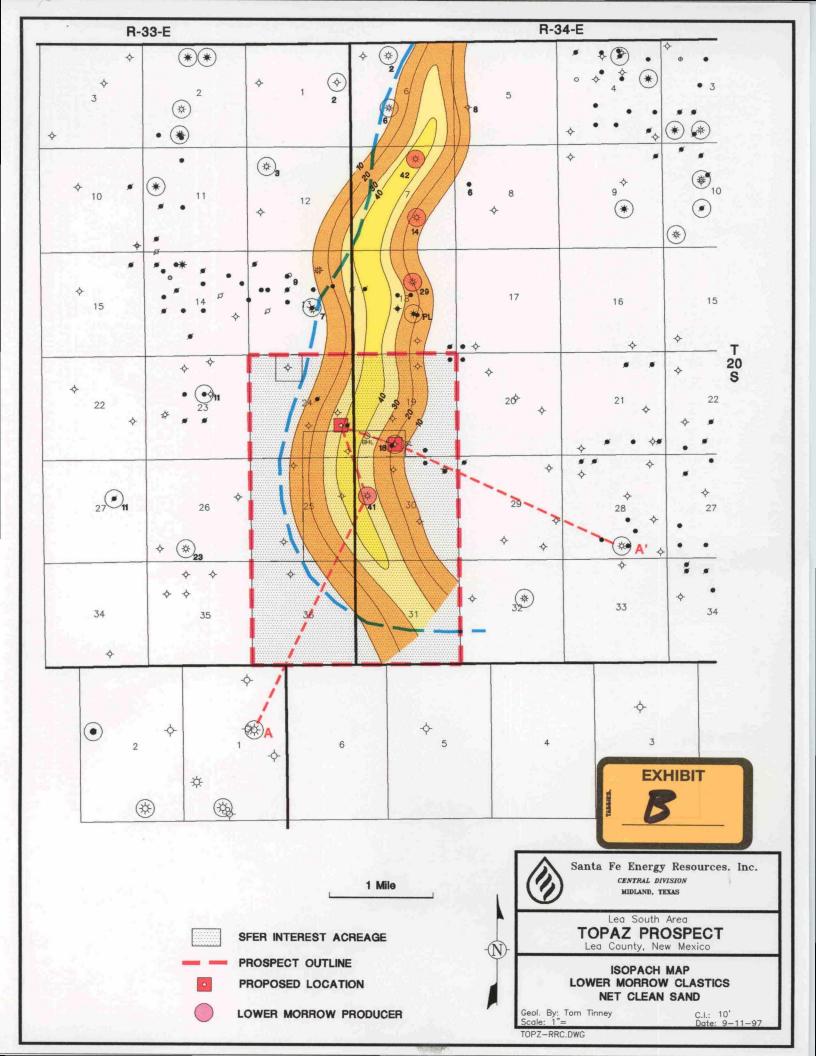
Very truly yours,

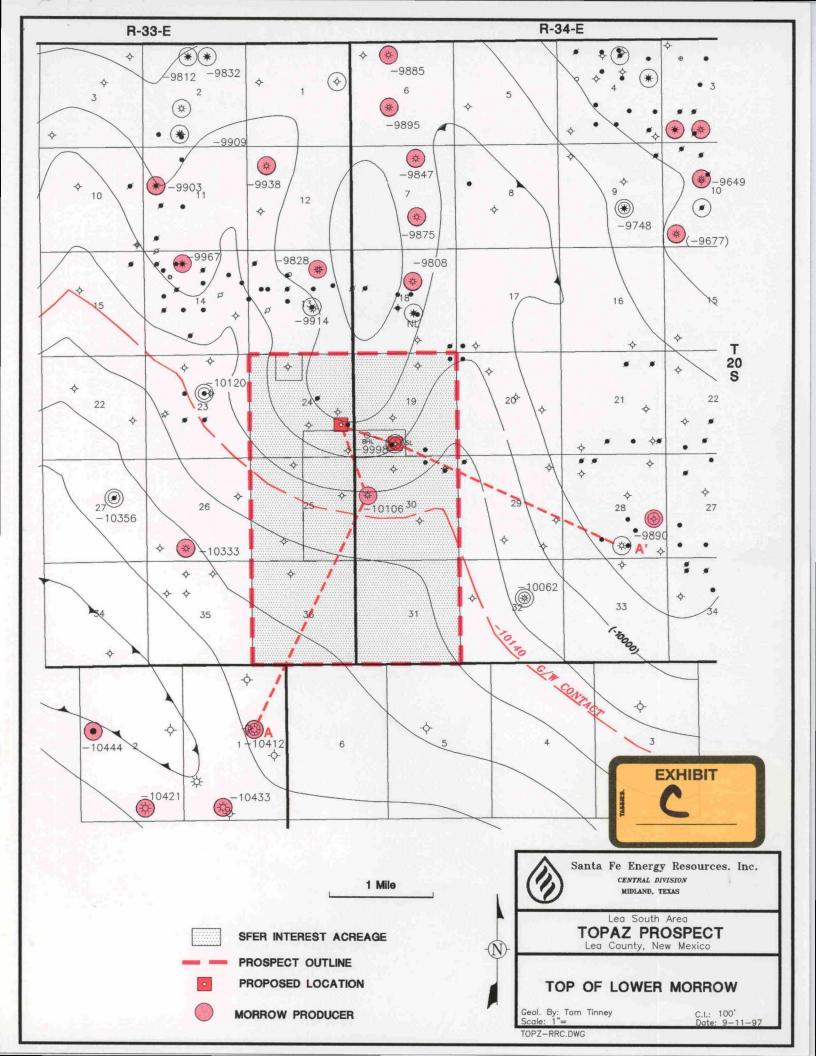
James Bruce

Attorney for Santa Fe Energy Resources, Inc.

³To be re-named the Topaz "19" Fed. Com. Well No. 1.







Form 3160-3 (July 1992)

UNITED STATES

SUBMIT IN TRIPLICATES (Other instructions on

FORM APPROVED OMB NO. 1004-0136

	DEDARTMENT	PART INTE	SIOP	(everse side)	Expires: reprusi	y 20, 1960		
	DEPARTMENT O				5. LEASE DESIGNATION AN			
	BUREAU OF LAN	D MANAGEMEN	T		NM 05505	43		
APPLIC	ATION FOR PER	MIT TO DR	ILL OR DEEF	PEN	6. IF INDIAN, ALLOTTEE OF	TRIBE NAME		
a. TYPE OF WORK	7. UNIT AGREEMENT NAME	7. UNIT AGREEMENT NAME						
b. TYPE OF WELL				MULTIPLE				
MEIT [GAS OTHER	S. FARM OR LEASE NAME,	8. FARM OR LEASE NAME, WELL NO.					
. NAME OF OPERATOR					Topaz "19" Fed C	20m		
Santa Fe Energy	Resources, Inc.				9. API WELL NO.	9. API WELL NO.		
. ADDRESS AND TELEPHOP	WE NO.	1						
550 W. Texas, Su	10. FIELD AND POOL, OR WILDCAT							
LOCATION OF WELL (Rep	Quail Ridge (M	orrow)						
At surface (N) 660' F	11. SEC., T., R., M., OR BLE AND SURVEY OR AREA							
At proposed prod. zone	Sec. 19. T-20-S.							
(M) 1100'								
4. DISTANCE IN MILES AND	12. COUNTY OR PARISH	13. STATE						
8 mi NE from Haif	way Bar, New Mexico				Lea	New Mexico		
5. DISTANCE FROM PROPO LOCATION TO NEAREST	D8ED.		16, NO, OF ACRES IN L		D. OF ACRES ASSIGNED THIS WELL			
PROPERTY OR LEASE LI (Also to nearest drig. unit lir	NE FT 6	60	80	1 ''	320			
8. DISTANCE FROM PROPO			19. PROPOSED DEPTH	20. R	OTARY OR CABLE TOOLS			
TO NEAREST WELL, DRILL OR APPLIED FOR, ON TH		Rotary						
1. ELEVATIONS (Show when	her DF, RT, GR, etc.)				22. APPROX. DATE WORK WILL START*			
3662 GR		10/30/97						
23.		PROPOSED CAS	ING AND CEMENTING	G PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	QUANTITY OF CEMENT						
26"	H-40 20" 94 177'				450 sx (Circ) (Ceg in place)			
17 1 <i>1</i> 2"	? 13 5/8*	48, 54.5, 61, 6	8 31	98'	2450 sx (Circ) (Csg in place)			
12 1/4"	J-55, N-80 9 5/8"	36, 40	57	00'	1675 sx (Circ) (Csg			
8 3/4"	$N-80$, $S-95$, $5\frac{1}{2}$	17	140	000' Stag	ge collar @ 10,00	0' TOC @ 48		

We propose to re-enter the former Cities Service Oil Co. Government N #1-Y, sidetrack and drill to a depth sufficient to test the Morrow formation for gas. If productive, 5 1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal Regulations. Specific programs as per Onshore Oil and Gas Order No. 1 are outlined in the following attachments:

Drilling Program:

Exhibit A - Operations Plan

Exhibit B - BOP Choke Schematic

Exhibit C - Drilling Fluids Program

Exhibit D - Auxillary Program

Exhibit E - Topo Map of Location

Exhibit F - Plat Showing Existing Wells

Exhibit F (A) - Plat of Location

Exhibit G - Well Site Layout

Surface Use and Operations Plan

This APD was previously approved as the Sinagua "19" Fed Com #2 on 7-21-95

signed amendina	TITLE Agent for Santa Fe Energy	DATE 9.22.97
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	
A martin address of the contract of the contra		and a second control of the second control of the second
Application approval does not warrant or certify that the : CONDITIONS OF APPROVAL, IF ANY:	applicant holds tegal or equitable title to those rights in the subject lesse which would ex-	tions the applicant to consider operations violating
Application approval goes not warrant or certify that the : CONDITIONS OF APPROVAL, IF ANY:	applicant holds legal or equitable title to those rights in the subject lesse which would e	EXHIBIT
Application approval does not warrant or certify that the : CONDITIONS OF APPROVAL, IF ANY: APPROVED BY	applicant holds legal or equitable title to those rights in the subject lesse which would expend the subject lesses which we subject lesses with the subject lesses which we subject lesses which is subject lesses which we subject lesses which we subject lesses which we subject lesses which we subject lesses with the subject lesses with the subject lesses which we subject lesses with the subject lesses which we subject lesses with the subject le	

United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Instruction on back

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

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NN 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name		
	Quail Ridge ((Morrow)		
Property Code	Property Name	Well Number		
	TOPAZ "19" FED COM	1		
OGRID No.	Operator Name	Elevation		
	SANTA FE ENERGY RESOURCES, INC.	3662		

Surface Location

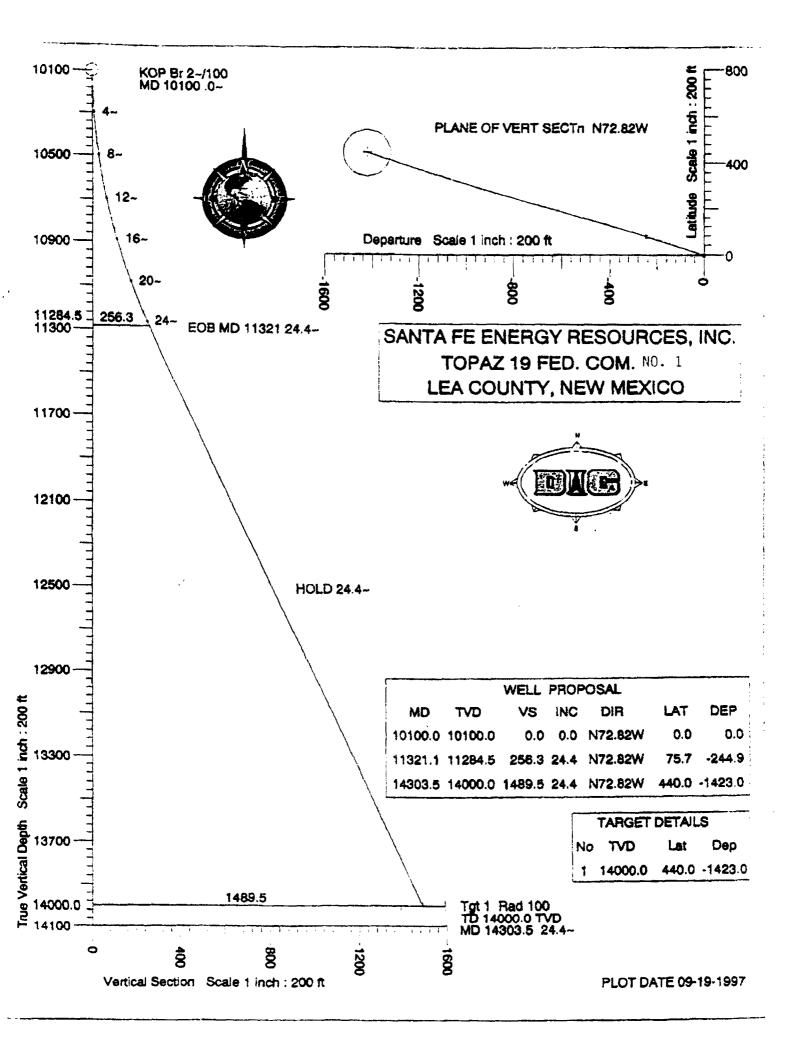
UL or lot No	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
N	19	20 5	34 E		660	SOUTH	2083	WEST	LEA

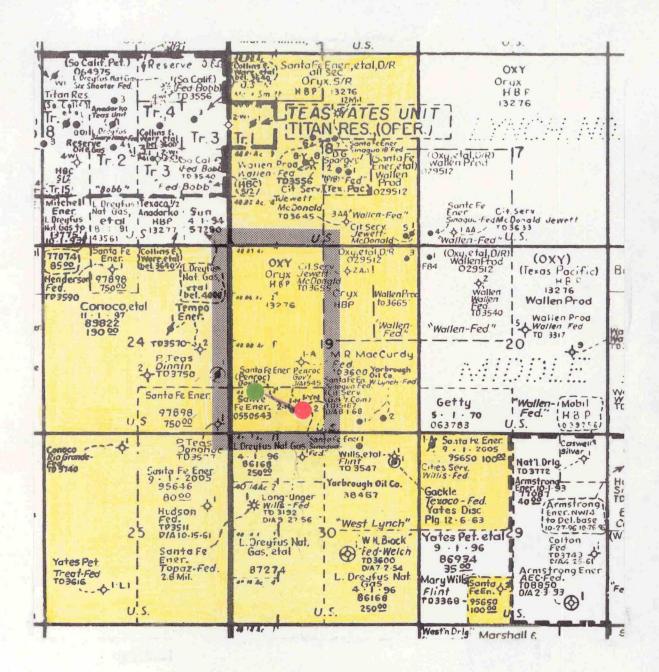
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
М	19	20 - S	34-E		1100'	South	660'	West	
Dedicated Acre	s loint o	r Infill Co	nsolidation	Code Ore	der No.		<u> </u>		
320									

NO ALLOWABLE WILL BE ASSGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

100 TO		OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
40.03 AC. LOT 2		James P. "Phil" Stinson Printed Name
		Agent for Santa Fe Energy Title 9.22.97 Date
40.06 AC.		SURVEYOR CERTIFICATION
LOT 3		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 supervisone and that the same is true and correct to the best of my belief.
40.08 AC		MARCH 28, 1995 Date Surveyed C. E.O.S. Signatura & Seat of Solveyer Professional Surveyor
2083' - 36633'	3553.5	Certificate 3 - 1 - 1 - 2 - 1 - 2 - 2 - 2 - 2 - 2 - 2





TOPAZ "19" FED. COM. NO. 1

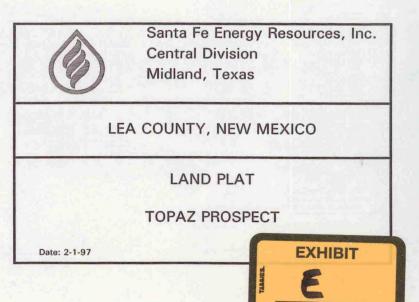
Vertical Completion 660' FSL & 2084' FWL

Sidetrack Completion 1100' FSL & 660' FWL

320 Acre Drilling Tract W/2 Section 19-T20S-R34E

Operator: SFER, Inc.

SFER, INC. Acreage



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(505) 982-2043 (505) 982-2151 (FAX)

September 26, 1997

CERTIFIED MAIL RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and Gentlemen:

On September 26, 1997, Santa Fe Energy Resources, Inc. filed an application at the New Mexico Oil Conservation Division seeking administrative approval of an unorthodox gas well location for the Topaz "19" Fed. Com. Well No. 1, located in the W% of Section 19, Township 20 South, Range 34 East, NMPM, Lea County, New Mexico. A copy of the application is enclosed. Santa Fe's records show that you own an interest offsetting the above well. If you object to the unorthodox location, you must notify the Division in writing no later than 20 days from the date of this letter. The Division's address is 2040 South Pacheco Street, Santa Fe, New Mexico 87505 (Attention: Michael E. Stogner).

Very truly yours,

fames Bruce

Attorney for Santa Fe Energy Resources, Inc.



EXHIBIT A

TOPAZ PROSPECT

Land Description

All Section 24, T-20-S, R-33-E All Section 25, T-20-S, R-33-E W/2 & SE/4 Section 30, T-20-S, R-34-E

Lessees

Santa Fe Energy Resources, Inc. 550 West Texas, Suite 1330 Midland, Texas 79701

(Operator)

Louis Dreyfus Natural Gas Corp. 14000 Quail Springs Parkway Suite 600 Oklahoma City, Oklahoma 73134-2600

Southwestern Energy Production Company 5600 North May Ave.
Suite 200
Oklahoma City, Oklahoma 73112-3979

Land Description

NE/4 Section 30, T-20-S, R-34-E

Lessees

Santa Fe Energy Resources, Inc. 550 West Texas, Suite 1330 Midland, Texas 79701

(Operator)

Louis Dreyfus Natural Gas Corp. 14000 Quail Springs Parkway Suite 600 Oklahoma City, Oklahoma 73134-2600

Southwestern Energy Production Company 5600 North May Ave.
Suite 200
Oklahoma City, Oklahoma 73112-3979

Harvey E. Yates Company P.O. BOX 1933 One SunWest Centre Roswell, New Mexico 88201 Jalapeno Corporation P.O. Box 1608 Albuquerque, New Mexico 87103

Armstrong Energy Corporation P.O. Box 1973 Roswell, New Mexico 88202

Jack Beaty 9428 Pebble Beach Drive Albuquerque, New Mexico 87111

Catherine M. Harvey P.O. Box 2148 Santa Fe, New Mexico 8750#

Land Description

Lessees

Thomas E. Hickey c/o T.H. McElvain Oil & Gas P.O. Box 2148 Santa Fe, New Mexico 87504

LeMay Energy Corporation 555 Camino Ranchero Santa Fe, New Mexico 87501

Constance B. Lewis 310 Monssen Drive Dallas, Texas 75224-1428

Anne B. Little P.O. Box 82277 Albuquerque, New Mexico 87198-2277

Verde Vista Energy Company P.O. Box 310 Roswell, New Mexico 88202 NE/4 Section 30, T-20-S, R-34-E Cont'd

E/2 Section 19, T-20-S, R-34-E

Land Description

Lessees

Santa Fe Energy Resources, Inc. 550 West Texas, Suite 1330 Midland, Texas 79701

Doyle Hartman P.O. Box 10426 Midland, Texas 79702

Larry Nermyr Box 4106S Sidney, Montana 59270

Southwestern Energy Production Company 5600 North May Avenue, Suite 200 Oklahoma City, Oklahoma 73112-3979

Louis Dreyfus Natural Gas Corp. 14000 Quail Springs Parkway Suite 600 Oklahoma City, Oklahoma 73134-2600

J. Cleo Thompson, Jr. 4500 Republic Nat'l. Bank Tower Dallas, Texas 75201

James A. Davidson Box 494 Midland, Texas 79702

Land Description

Lessees

Petro-Quest Exploration P.O. Box 10016 Midland, Texas 79702

Mizel Resources, A Trust 5801 East 41st Street, Suite 104 Tulsa, Oklahoma 74135

James E. Burr & Laveta Burr P.O. Box 8050 Midland, Texas 79702.

Ruth Sutton 2826 Moss Midland, Texas 79705

John H. Hendrix Corp. P.O. Box 3040 Midland, Texas 79702-3040

Michael L. Klein & Jeanne Klein 500 West Texas Midland, Texas 79701

Ronnie H. Westbrook & Karen Westbrook 2809 Haynes Midland, Texas 79705

Devisees of Dewey E. Sparger P.O. Box 1112 Hobbs, New Mexico 88240

Larry A. Mizel 3600 South Yosemite Street #810 Denver, Colorado 80237

Fasken Oil & Ranch Ltd.
For A/C Fasken Land & Minerals Ltd
303 West Wall Ave., Suite 1900
Midland, Texas 79701-5116