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)

February 8, 1999

Hand Delivered

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

Dear Mr. Stogner:

Pursuant to Division Rules 104.F(2) and 104.D(2), Santa Fe Energy Resources, Inc. ("Santa Fe") applies for administrative approval of an unorthodox location and non-standard proration unit for the following well:

Nagoolte Peak "5" Fed. Com. Well No. 4 610 feet FSL & 1900 feet FEL N½ §5, Township 22 South, Range 24 East, NMPM Eddy County, New Mexico

Santa Fe plans to drill the well to a depth sufficient to test the Upper Pennsylvanian formation (Indian Basin-Upper Pennsylvanian Associated Pool). Under Order No. R-9922, as amended, well spacing is 320 acres, with wells to be no closer than 660 feet to the outer boundary of the unit, and no closer than 330 feet to a quarterquarter section line. An APD and Form C-102 for the well are attached as Exhibits A and B.

The proposed location is based on topographic and geologic reasons. Attached as Exhibit C is a topographic map. The Bureau of Land Management required Santa Fe to move the well slightly north of an orthodox location to stay in the center of the flat area marked by the 4200' contour line. Attached as Exhibit D is a structure map of the Cisco/Canyon dolomite, showing that a well at the proposed location has a favorable structural position, thus minimizing the risk involved in drilling the well.

Attached as Exhibit E is a land plat of the area. Santa Fe operates all of Section 32 to the north, and is the only affected offset. As a result, notice has not been mailed to anyone.

The N½ of Section 5 is comprised of Lots 1-4 and the S½N½, comprising 372.88 acres, and thus Santa Fe requests a non-standard proration unit for the well.

In connection with an unorthodox location application for the Nagoolte Peak "5" Fed. Com. Well No. 5, you requested additional information on certain wells in Section 5. A copy of my response letter is attached to this application.

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

Very truly yours,

MI James Bruce

Attorney for Santa Fe Energy Resources, Inc.

Form 3160-3							
17.1. 1000	ARTESIA, NA	88210-2834	SUBMIT IN T		FORM APPROVED		
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*See Instructions On Reverse Side

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, fletitious or fraudulant statements are not such as the second statement of agency of the

DISTRICT I P. O. Box 1980 Hobbs, NM 88241-1980

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DISTRICT II P. O. Drower DD Artesia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd. Aztec, NM 87410

State of New Mexico Energy, Minerals, and Natural Resources Department

Form C-102 Revised 02-10-94 instructions on back

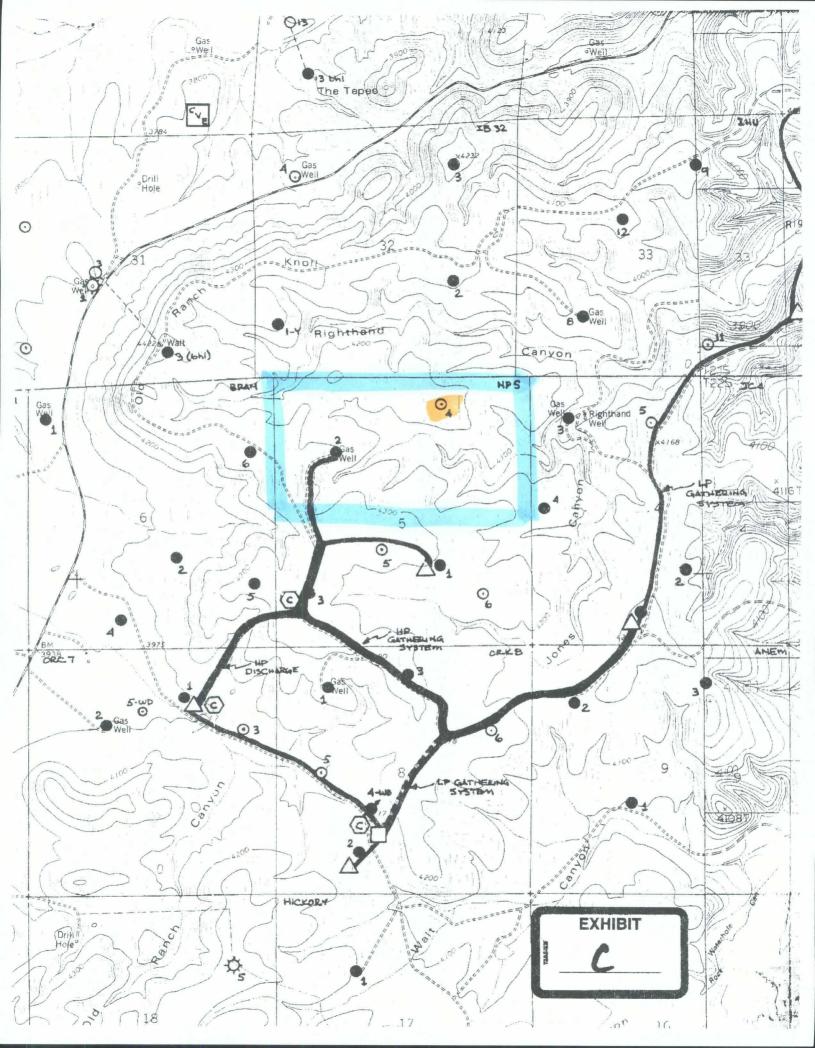
Submit to the Appropriate District Office State Lease — 4 capies Fee Lease — 3 capies

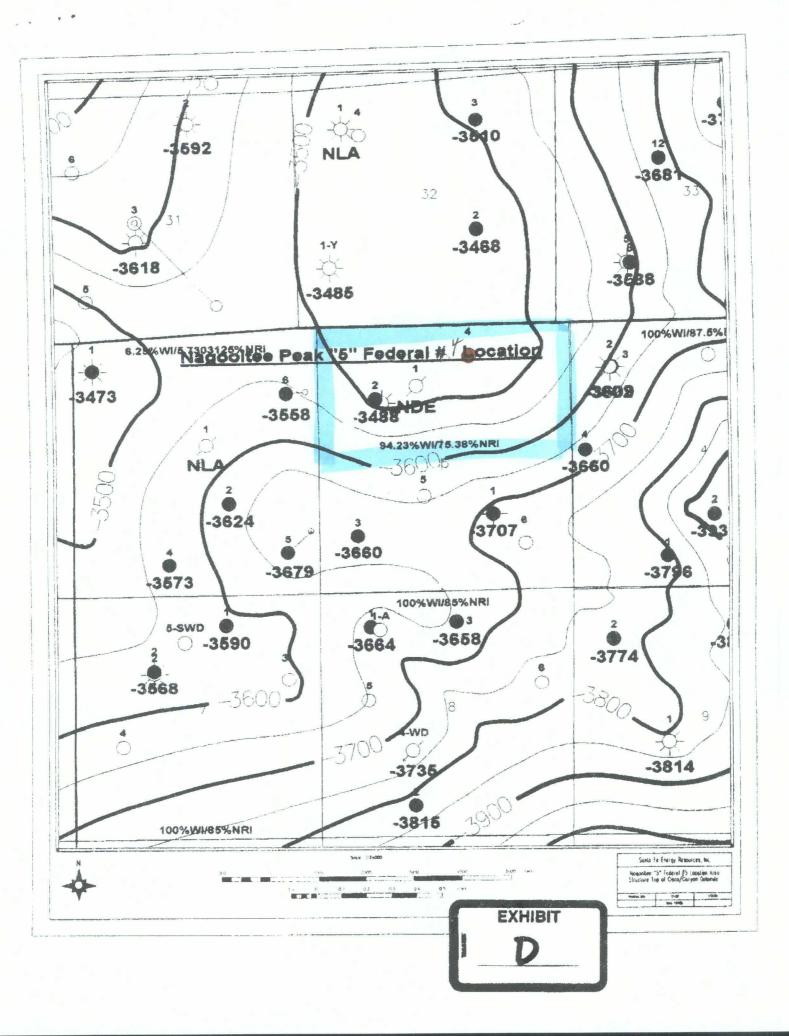
AMENDED REPORT

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

DISTRICT IV P. O. 80x 2088 Santa Fe, NM 87507-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT

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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)

January 22, 1999

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") applies for administrative approval of an unorthodox location for the following well:

Nagoolte Peak "5" Fed. Com. Well No. 5 2045 feet FSL & 2200 feet FWL S½ §5, Township 22 South, Range 24 East, NMPM Eddy County, New Mexico

Santa Fe plans to drill the well to a depth sufficient to test the Upper Pennsylvanian formation (Indian Basin-Upper Pennsylvanian Associated Pool). Well spacing is 320 acres, with wells to be no closer than 660 feet to the outer boundary of the unit, and no closer than 330 feet to a quarter-quarter section line. An APD and Form C-102 for the well are attached as Exhibits A and B.

The proposed location is based on topographic and geologic reasons. Attached as Exhibit C is a topographic map, showing that a standard location in the SW¼ would be at a drop-off of the surface, resulting in the Bureau of Land Management requiring that the well be moved. Attached as Exhibit D is a structure map, showing that a well in the SW¼ of the section is more favorably located than a well in the SE¼ of the section. Thus, the proposed location reduces the risk involved in drilling the well.

Attached as Exhibit E is a land plat of the area. Santa Fe owns and operates all of Section 5, and thus is the only affected offset. As a result, no offset has been notified of this application. This application is submitted in duplicate. Please call me if you need anything further on this matter.

Veny truly yours,

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James Bruce Attorney for Santa Fe Energy Resources, Inc.

JAN-22-99	15:07	From:SANTA FE	ENERGY RESOURCES	•	156866714	T-355 P.02/	
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State of New Mexico Energy. Minerals, and Natural Resources Department

OIL CONSERVATION DIVISION

P. O. Box 2068 Santa Fe, New Mexico 67804-2088

Form C+102 Revised 02-10-94

instructions on book

Submit to the Appropriate District Office Siate Lease - 4 copies Fee Lease - 3 copies

AMENDED REPORT

DISTRICT.1 P. O. Box 1980 Hobbs. NM 88241-1980

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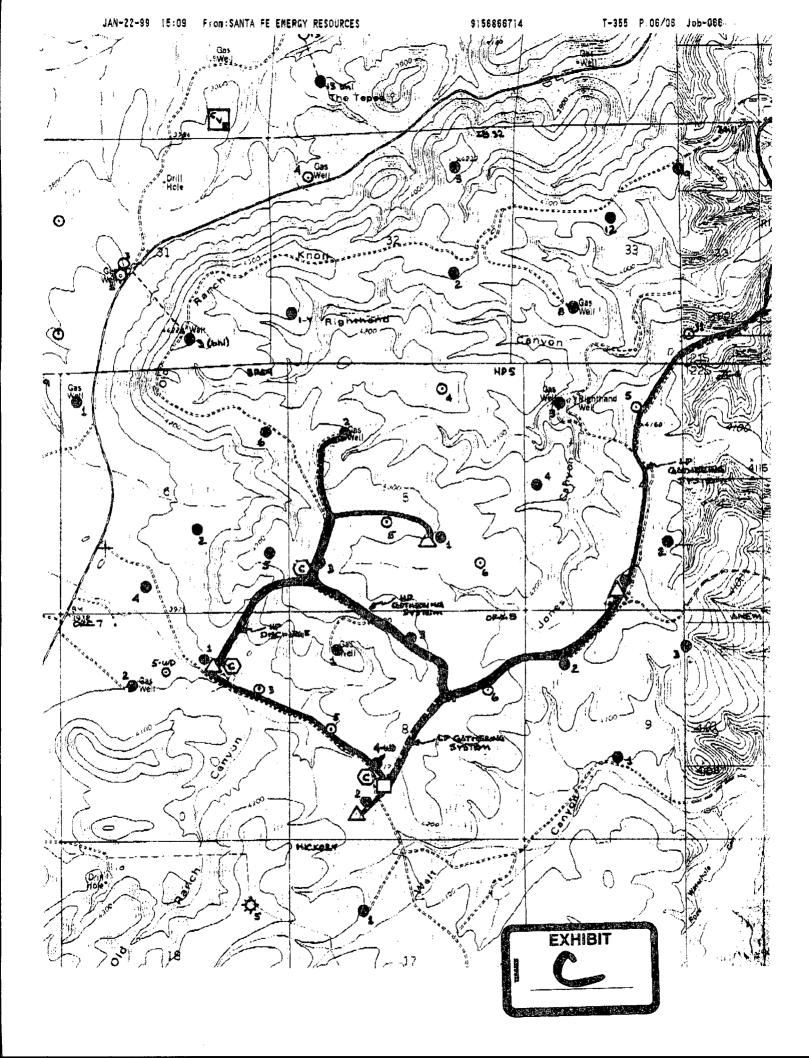
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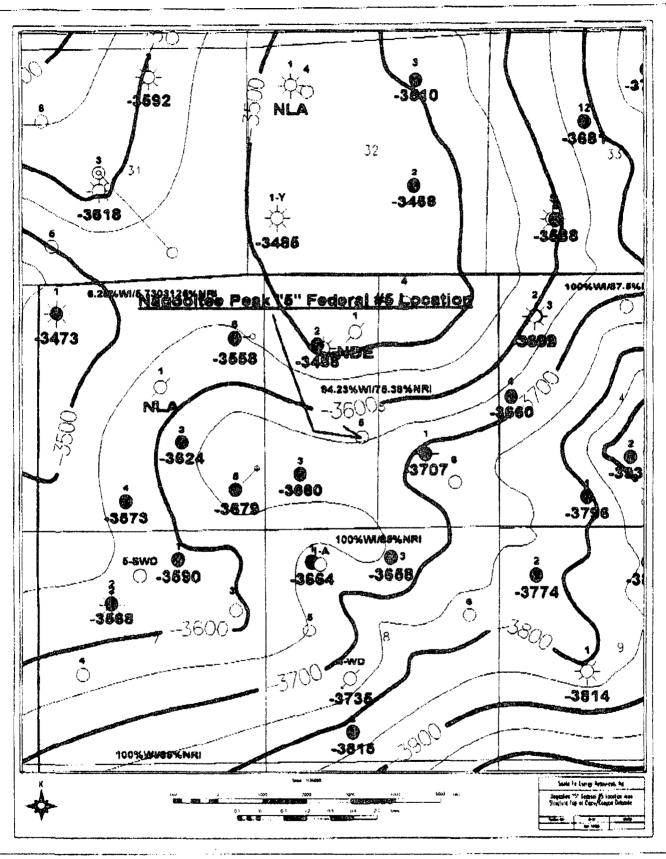
DISTRICT II P. O. Drower OD Artesio, NM 88211-0719

DISTRICT III 1000 Rio Brozos Rd. Aztec. NM 87410

DISTRICT IV P. O. Box 2088 Sonto Pe. NM 87507-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT

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02/01/99 15:06:19 OGOIV -EMDX PAGE NO: 1

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API Well No : 30 15 29900 Eff Date : 11-18-1997 WC Status : A Pool Idn : 33685 INDIAN BASIN; UPPER PENN (ASSOC) OGRID Idn : 20305 SANTA FE ENERGY RESOURCES INC Prop Idn : 16774 NAGOOLTEE PEAK 5 FEDERAL Well No : 003 GL Elevation: 4347 U/L Sec Township Range North/South East/West Prop/Act(P/A) B.H. Locn : M 5 22S 24E FTG 1230 F S FTG 800 F W P Lot Identifier: Dedicated Acre: 346.36 Lease Type : F Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

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· ·		ABOVE THIS LINE FOR DIVISION USE CALLY NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau - Sanda - Engineering Bureau -
		ADMINISTRATIVE APPLICATION COVERSHEET
		VERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS
Applicat	[f	[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] -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] -Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF A [A]	PPLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling INSL NSP DD SD
	Checl [B]	k One Only for [B] or [C] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
₍ 2]	NOTIFICAT [A]	FION REQUIRED TO: - Check Those Which Apply, or Does Not Apply 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]	G For all of the above, Proof of Notification or Publication is Attached, and/or,
	[F]	U Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action 'aken.

JAMES BRUCE P.O. BOX 1056 SANTA FE, NM 87504

Note: 'Sta ement must be completed by an individual with supervisory capacity TONNOC Nur Signature

Print or Type Name

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)

January 22, 1999

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") applies for administrative approval of an unorthodox location for the following well:

Nagoolte Peak "5" Fed. Com. Well No. 5 2045 feet FSL & 2200 feet FWL S½ §5, Township 22 South, Range 24 East, NMPM Eddy County, New Mexico

Santa Fe plans to drill the well to a depth sufficient to test the Upper Pennsylvanian formation (Indian Basin-Upper Pennsylvanian Associated Pool). Well spacing is 320 acres, with wells to be no closer than 660 feet to the outer boundary of the unit, and no closer than 330 feet to a quarter-quarter section line. An APD and Form C-102 for the well are attached as Exhibits A and B.

The proposed location is based on topographic and geologic reasons. Attached as Exhibit C is a topographic map, showing that a standard location in the SW¼ would be at a drop-off of the surface, resulting in the Bureau of Land Management requiring that the well be moved. Attached as Exhibit D is a structure map, showing that a well in the SW¼ of the section is more favorably located than a well in the SE¼ of the section. Thus, the proposed location reduces the risk involved in drilling the well.

Attached as Exhibit E is a land plat of the area. Santa Fe owns and operates all of Section 5, and thus is the only affected offset. As a result, no offset has been notified of this application. This application is submitted in duplicate. Please call me if you need anything further on this matter.

Very truly yours,

ames

- - -

James Bruce

Attorney for Santa Fe Energy Resources, Inc.

JAN-22-99 15:	D7 From:SANTA FE ENER	GY RESOURCES	91568	66714	T-355 P.02/06 Job-066
	ÖI	PERATORS	COPE	TRIPLICATE	New 1/21/99 11W
Form 3160-3- (July 1992)	T 1 16 P 1997		(Other inst	ructions on	OMB NO. 1004-0136
(4419 1994)	DEPARTMENT	ED STATES	TEDIAD	e slde) 	Expires: February 28, 1995
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D. TIPE OF WELL		DEEPEN 🗆			
			AINOLE NOT		6. FARM OR LEASE HAMP, WELL NO. Nagooltee Peak "5" Fed Com #5
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3. ADDAESS AND THEFTIONS NO.					
	s 1330; Midland, Texas 7		-		10. FIELD AND FOOL, OB WILDCAT Indian Basin (Upper Penn)
4. LOCATION OF WELL (R (K) 2045' FSL & 2	eport location clearly and .				11. SEC., T., R., M., OR BLE.
	2001	LIKE APPWC			AND BUBYET OR AREA Sec. 5, T-22-5, R-24-E
		BY STATE			
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Also to nearest del	g. unit line, if any)	2045'	640		JZU
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Exhibit C - Drilli Exhibit D - Auxil Exhibit E - Topo Santa Fe Energy Re	and Choke Schematic ng Fluid Program iary Equipment Map at Location		I S Sonditions, stipulations as	Exhibit F (A) Exhibit G - W Surface Use an 12S Drilling 6	CHED at Showing Existing Wells - Plat of Location 'ell Site Layout nd Operations Plan Operations Plan
described above.	uit obeisticite entitierist	Oli file tondoti intit	ar partian unreat, az		
Bond Coverage: Bl			BLM Bond File No		
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BIGNED ama J	Blil attens	مر بریس	Agent for Santa Fe	Energy	DATE 11-20-98
	TEL OF State uner)				
PEBBIT XO.	to warrant or entity that the appl	licant holds logal ar saul	AFFROVAL DATE	ject) case which w	rould entitle the applicant to conduct operations thereo
CONDITIONS OF APPROVAL	wat le t	Acti	Assistant Field Off Lands and Mineral	ice Manage	rould entitle the applicant to conduct operations thereo T, JAN 19 1999
artavan di Siener		*See Instruct	ions On Revense Side		
Title 18 U.S.C. Section	1001, makes it a crime	for any person ki	nowingly and willfully to	make to any	EXHIBIT
	, variante or terrorien				A

- JAN-22-99 15:07 From:SANTA FE ENERGY RESOURCES

DISTRICT 1 P. O. Box 1980 Hobbs, NM 88241-1980

DISTRICT II . O. Drower DD Artesio, NM 88211-0719

DISTRICT III 1000 Rio Brozos Rd. Aztec, NM 87410

DISTRICT IV P. O. Box 2088 Sonto Fe. NM 87507-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT

1 Pool Code API Number Pool Name Indian Basin (Upper Penn) * Property Code S Property Name + Well Number NAGOOLTEE PEAK "5" FEDERAL COM 5 ' OGRID No. · Operator Name • Elevation SANTA FE ENERGY RESOURCES, INC. 4331' 20305 " SURFACE LOCATION UL or lot no. Section Township Range Lot Ida | Feet from the North/South line Feet from the East/West line County 22 SOUTH 24 EAST, N.M.P.M. 2045 SOUTH 2200' WEST EDDY K 5 "BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE Lot Ids | Feet from the North/South line Feet from the East/West line UL or lot no. Section Township Range County " Dedicated Acres " Jaint or Infill " Consolidation Code * Order No. 320 NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature P. Philiptinson Printed Name James P. "Phil" Stinson Title Agent for Santa Fe Energy Date 12-9-98 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, ond that the same is true and correct to the best of my belief. 2200 Date of Survey DECEMBER 3 Bignature and Boll . ROS NEW METICO 2045' 10 PVEYO 1 12128 $\boldsymbol{\omega}$ ROGER M. ROBBINGSING W12128 EXHIBIT

T-355 P.03/06 Job-066

Form C-102 Revised 02-10-94

instructions on back

Submit to the Appropriate District Office State Lease — 4 copies Fee Lease — 3. copies

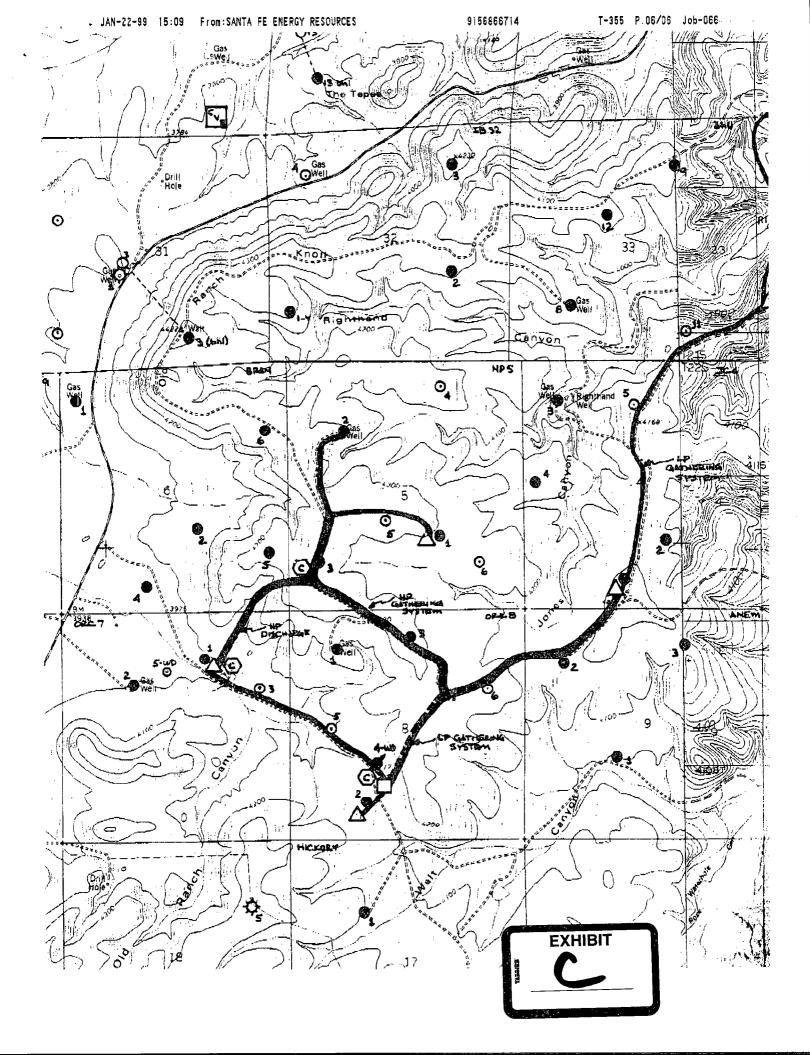
AMENDED REPORT

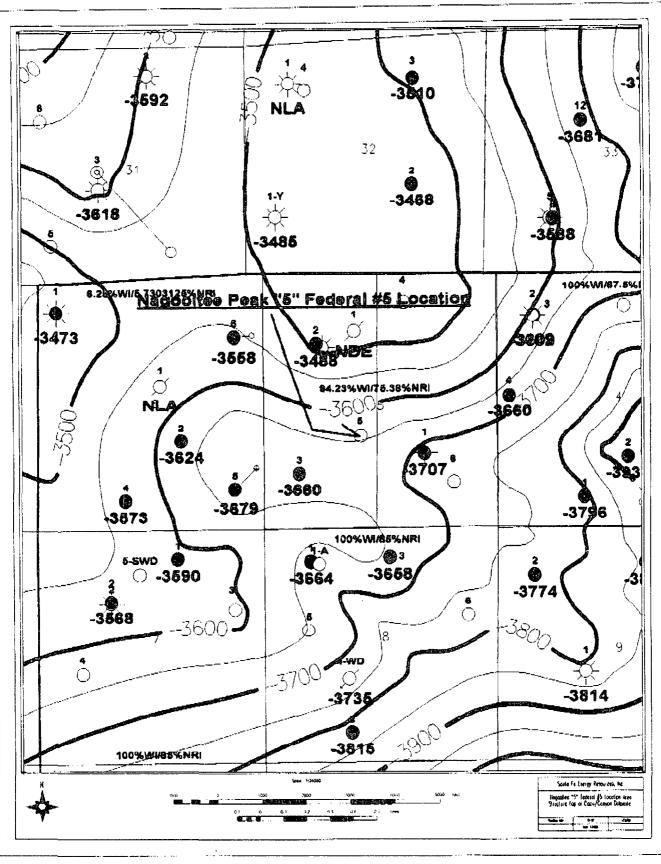
	State	of	New	Mexico	
Energy,	Minerals, and	Na	itural	Resources	Department

OIL CONSERVATION DIVISION

P. O. Box 2088 Santa Fe, New Mexico 87504-2088

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SFER,	INC. Acreage		SAGINAW PROSPECT Date: 12/10/98			

JAMES BRUCE ATTORNEY AT LAW

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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)

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February 8, 1999

Hand Delivered

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

> Re: Administrative application of Santa Fe Energy Resources, Inc. ("Santa Fe") for approval of an unorthodox well location Nagooltee Peak "5" Fed. Com. Well No. 5 S½ §5-225-24E, Eddy County, New Mexico

Dear Mr. Stogner:

I received your letter of February 1, 1999. As a result, I checked the Division's files on the other wells in Section 5, and found the following information:

Nagoolte Peak <u>Fed. Well No.</u>	Completed	<u>Unit</u> ¹	
1 2	4/11/94 4/11/97	S½ W½	
3	12/30/97	W1/2 W1/2	
4	N/A	N1⁄2	
5	N/A	S½	

These wells are completed, or will be completed, in the Indian Basin-Upper Pennsylvanian Associated Pool. Under Order No. R-9922, as amended, spacing is 320 acres, with multiple wells allowed on each well unit. However, as you can see, there are several overlapping well units, which must be corrected. It is Santa Fe's intent to have each well dedicated to a <u>laydown</u> unit.

¹Per Form C-102's filed with the Division.

As to the No. 2 well, an unorthodox location was granted by Order No. R-10138 (copy enclosed), which states that the well is dedicated to a $\underline{N_{2}}$ unit, rather than the W₂ unit reflected on the Form C-102. If that is insufficient, please advise, and Santa Fe will file an amended Form C-102.

As to the No. 3 well, an amended Form C-102, reflecting a S½ unit dedication, is enclosed. In addition, the well is at an unorthodox location because it is too close to a quarter-quarter section line. Santa Fe is checking its files, and if the location has not already been approved, an application for an unorthodox location will be applied for immediately.

Enclosed is a land plat of the area. As you can see, Section 5 is comprised of two federal leases, one owned by Santa Fe and one (covering the SWMNEM) owned by Yates Petroleum Corporation, *et al.* ("Yates"). Santa Fe has informed me that the entire section is covered by a JOA with Yates, and the royalty rate is the same on both leases. Therefore, no one is adversely affected by the reorientation of the well units.

Another problem is that a completion report was never filed with the Division's Santa Fe office on the No. 3 well. However, a completion report was prepared in January 1998, and filed with the BLM and the Division's Artesia office. A copy of the completion report is enclosed.

Finally, the No. 4 well is at a slightly unorthodox location, 610 feet FNL of Section 5. Santa Fe has on this date filed an unorthodox location application for that well.

There is one additional well in this section, the Bandaid Fed. Well No. 1, located in Unit C. This well was drilled when the acreage was in the Indian Basin-Upper Pennsylvanian Gas Pool, and the Form C-102 reflected that the entire section was dedicated to the well.² However, the well has been plugged and abandoned since 1995.

The existing Form C-102's and completion or plugging reports for the Bandaid Fed. Well No. 1 and the Nagoolte Peak Fed. Well Nos. 1-4 are enclosed with this letter. Call me if you need anything further on this matter.

Very truly yours,

James Bruce

Attorney for Santa Fe Energy Resources, Inc.

²Section 5 was moved from the Indian Basin-Upper Pennsylvanian Gas Pool to the Indian Basin-Upper Pennsylvanian Associated Pool by Order No. R-10137.

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

CASE NO. 10988 ORDER NO. R-10138

APPLICATION OF SANTA FE ENERCY OPERATING PARTNERS, L.P. FOR AN UNORTHODOX GAS WELL LOCATION AND NON-STANDARD GAS PRORATION UNIT, EDDY COUNTY, NEW MEXICO

ORDER OF THE DIVISION

BY THE DIVISION:

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This cause came on for hearing at 8:15 a.m. on June 9, 1994, at Santa Fe, New Mexico, before Examiner Jim Morrow.

NOW, on this 22pd and fune, 1994, the Division Director, having considered the testimony, the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Santa Fe Energy Operating Partners, L.P., seeks approval for an unorthodox gas well location to be drilled 1562 feet from the North line and 1202 feet from the West line (Unit D) of Section 5, Township 22 South, Range 24 East, NMPM, Indian Basin-Upper Pennsylvanian Gas Pool, Eddy County, New Mexico.

(3) Lots 1 through 4 and the S/2 N/2 (N/2 equivalent) of said Section would be dedicated to the well to form a non-standard 372.88-acre gas spacing and proration unit for said pool.

(4) At the time of the hearing, this case was consolidated with Case No. 10986 for the purpose of presenting testimony.

Case No. 10988 Order No. R-10138 Page 2

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(5) In Case No. 10986, Santa Fe asked the Division to remove certain acreage (including said Section 5) from the Indian Basin-Upper Pennsylvanian Gas Pool and add it to the Indian Basin-Upper Pennsylvanian Associated Pool. This request, as it pertains to Section 5, was approved by Division Order No. R-10137.

(6) The applicant's evidence indicates that the proposed location, the Nagooltee Peak 5 Federal Well No.2, should be completed as an oil well in the Indian Basin-Upper Pennsylvanian Associated Pool. Pool rules for said Associated Pool provide for 320-acre spacing with wells to be no closer than 660 feet from the outer boundary of the proration unit nor closer than 330 feet from quarter-quarter section lines.

(7) The well location is unorthodox in said Associated Pool because it is too close to quarter-quarter section lines. According to testimony by applicant's witness the location is necessary because of topographic conditions in the area and BLM requirements.

(8) No offset operator or interest owner appeared at the hearing in opposition to the application.

(9) Approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the hydrocarbons in the affected pool and will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Santa Fe Energy Operating Partners L.P., is hereby authorized to drill its Nagooltee Peak 5 Federal Well No.2 at an unorthodox oil well location 1562 feet from the North line and 1202 feet from the West line (Unit D) of Section 5, Township 22 South, Range 24 East, NMPM, Indian Basin-Upper Pennsylvanian Associated Pool, Eddy County, New Mexico.

(2) Lots 1 through 4 and the S/2 N/2 (N/2 equivalent) of said section shall be dedicated to the well to form a non-standard 372.88-acre oil spacing and proration unit for said pool.

(3) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

Case No. 10988 Order No. R-10138 Page 3

3" 2" " "

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION A WILLIAM J. HEMAY Director

SEAL

FEB-08-99 10: DISTRICT I	34 From:SANTA FE ENERGY RES	SOURCES State of New H	9156866714	T-429 P.02/06 Job-210
2. 0, Box 1980 Hobbs, NM 88241-15	Energy, Miner	als, and Natural	Resources Departmen	at Revised 02-10-9. Instructions on bed
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Aztec, NM 87410 <u>DISTRICT IV</u>		F		
P. 0. Box 2088 Santa Fe, NM 87507	-2088 WELL LOCATIO	IN AND ACREA	GE DEDICATION F	PLAT
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NAGOOLTEE PEAK "5" FED COM #5 2045' FSL & 2200' FWL

Section 5, T-22-S, R-24-E

SFER, INC. Acreage

Santa Fe Energy Resources, Inc. Central Division Midland, Texas

EDDY COUNTY, NEW MEXICO

SAGINAW PROSPECT

DATE: 12/10/98

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	10:35	From:S	ANTA FE	ENERGY I	RESOURCE	S			9156866			T-	429 P	.03/06 Job-21
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Form 3160-4 (July 1992)	07	6	ÚŃ	<u>ا د 0</u> S	TATE	ES		MIT IN D					• •	ehruary 28, 1995
·····	DE	PAR	TME	NT OF	f the	INTE	RIOR		sti	es other i ructions o	n 3. 1.	EASE DES	SIGNATIO	N AND SERIAL NO.
		SUR.	EAU OF	- LAND N	AANAGE	MENT			Ľ¢	versa sida		M-812		
WELL COM	PLET	TION	ORF	RECO	MPLE	TION	REP(ORT	AND	LOG	* 0. []	INDIAN,	ALLOIT	FP OR TRIBE NAME
In TYPE OF WELL:				ويتحقق والمتحقق المتحصي		· .	uher					NT AGRI	EEMENT	NAME
b. TYPE OF COMPL		W	ELL IAI	GAS WELL	0 1									
NEW WELL	WORK P		66P 🔲	PLUG DACK		1. 	ther				- 8. F	ASM OR	LEASENA	ME WELL NO
2. NAME OF OPERATOR	OVER L	<u>13</u>		UACK -					~ ``		P	lacool	tee P	eak "5"
Santa Fe Energ		Inces	Inc.								F	edera	1 #3	
3. ADDRESS AND TI											9. 4	PIWELL	NO.	5
550 W. Texas.	Suite	1330.	Midla	and, TX	79701			-22	57667	1222		10-UI VIELD AN	5-29 <u>50</u>	U OK WILDCAT
4. LOCATION OF WELL At surface	. (Report	location d	clearly and	d in accordor	ice with un	iy State requi	1	ι.	- 60 h	• • •		ndian	n Basi	n
(M), 1230' FSL	and 8	100 F	WL. Se	c. 5. T	-225, R	R-24E		7.4.4						
At top prod. interval	reported b	ielow						JAN	08	1998		nd surv	r., m., of /Ey or a	ASSOC
At total depth						·						<u>ec.</u> 5	5 <u>, T-2</u>	25, <u>R-24E</u>
·····					14. PER	MIT NO.	3	, 9.2 4	N9-0			CUNTY C	JK	13. STATE
							<u> </u>	MID	LANI	<u>) TX</u>	Edd	y		NM
15. DATE SPUDDED	16. DAT	6 T.D. RP.	ACHED			udy to prod.)				RT, CR. ET	'C.)*	19. 1	ELEV. CASINGHEAD
11/18/97		/12/97	/	12/3	80/97				47' GR					
30. TOTAL DEPTH, MD &	4 TVD	ſ		T.D., MD & TT	VD 22.	IF MULTIPL	•	,	23. IN	TERYALS RILLED B		IOTARY 1		CABLE TOOLS
8500'		842				· · · · · · · · · · · ·	N/A			>		<u>A]]</u>		N/A
24. PRODUCING INTERV	AL(3), OP 1	rkis com	PLETION	TOP, BOTTO	M. NAME ()	MU AND TVO	•}•						1	 WAS DIRECTION/ SURVEY MADE
8014'-8346' (U	looer P	enn)												No
26. TYPE ELECTRIC AND	<u> </u>												27. W	AS WELL CORED
GR/DLL/CNL/LDI														No
28.				CAS	NG RECO)RD (Report	n all sinns	s set in w	•U)					
CASING SIZE/GRADE		EIGHT, LB		UEPTH SET										
	w:	214241,10	1.(F1	OCFINICI	(m))	HOL	e size		TOP	OF CEME	YT, CEMEN	ITINO NO	CORD	AMOUNT PUL
13-3/8" H-80	48.0		· .	355'	(1112)	17.1/2				_	чт, семен С (1"			
13-3/8" H-80 9-5/8" J-55		0#			(1812)		1		500 s	KH&		to su	rface	w/ 325 sx
	48.	0# 0#		355'		17.1/2	1		500 s	<u>к Н &</u> sx <u>Н.</u>	Ç (1"	<u>to su</u> C (1ª	rface	w/ 325 sx
9 <u>-5/8"</u> J-55	48. 36.	0# 0#		355' 1620' 8500'		17·1/2 12-1/4	1		500 s 1000 575 s	<u>к Н &</u> sx <u>Н.</u>	<u>C (1"</u> <u>Poz &</u> r-C Mg	<u>to su</u> C (1" d	rf <u>ace</u> w/	w/ 325 sx 300 sx "C
9 <u>-5/8" J-55</u> 7" K-55 29.	48. 36. 26.	0# 0# 6#	LINER	355 1620 8500' RECORD		17 · 1/2' 12 · 1/4 8 · 3/4"			500 sx 1000 575 sx	x H & sx H. x Supe	C (1" Poz & r-C Mg	<u>to su</u> <u>C (1"</u> d	rf <u>ace</u> w/ ecord	w/ 325 sx 300 sx "C None
9 <u>-5/8" J-55</u> 7" K-55 29. 3125	48. 36.	0# 0# 6#	LINER	355' 1620' 8500'		17·1/2 12-1/4			500 s) 1000 575 s)	KH& SXH. KSUDE	C (1" Poz & r-C Mg	to sui C (1" d SING RE	rface w/ ecorb	W/ 325 SX 300 SX "C None PACKER SET ()
9 <u>-5/8" J-55</u> 7" K-55 29.	48. 36. 26.	0# 0# 6#	LINER	355 1620 8500' RECORD		17 · 1/2' 12 · 1/4 8 · 3/4"			500 s) 1000 575 s)	x H & sx H. x Supe	C (1" Poz & r-C Mg	<u>to su</u> <u>C (1"</u> d	rface w/ ecorb	w/ 325 sx 300 sx "C None
9 <u>-5/8" J-55</u> 7" K-55 29. 3125	48.1 36.1 26.1	0# 0# 6#	LINER	<u>355'</u> 1620' 8500' RECORD ом (Mb)		17 · 1/2' 12 · 1/4 8 · 3/4"		EN (MD)	500 sx 1000 575 sx 30. 2-	к Н & sx H. к Supe szt	C (1" Poz & r-C Mo TO DEF	to su C (1" d BING RE TH SET (1 8356' EMENT	rface w/ ecord mu) squee	W/ 325 SX 300 SX "C None PACKER SET (A N/A ZE, ETC.
9 <u>-5/8" J-55</u> 7" K-55 20. 	48.1 36.1 26.1 TOP (1	0.# 0.# 6# MD)	LINER BOTT	<u>355'</u> 1620' 8500' RECORD ом (Mb)	SACKS	17 - 1/2 12 - 1/4 8 - 3/4"	а SCRБЕ 32.	EN (MD)	500 s) 1000 575 si 30. 2- C1D, SHC	k H & sx H. k Supe sze 7/8"	C (1" Poz & r-C Mo TO DEF	to sui C (1" d BING RE FING RE BING RE	rface W/ ECORD MD) SQUEE: IND OF M	W/ 325 SX 300 SX "C None PACKER SET () N/A ZE, ETC. ATERIAL USED
9-5/8" J-55 7" K-55 29. 3125 N/A	48.1 36.1 26.1 TOP (1	0.# 0.# 6# MD)	LINER BOTT	<u>355'</u> 1620' 8500' RECORD ом (Mb)	SACKS	17 - 1/2 12 - 1/4 8 - 3/4"	32. DEPTY 8014	EN (MU)	500 s) 1000 575 s) 30. 2. C1D, SHC AL (MD)	K H & SX H. K Supe 27/8" 0T, FRAG 80	C (1" Poz & r-C Mo TU DEF DEF CURE, C AMOUN	to su C (1" d BINC RE TH SET (1 8356 EMENT T AND K S Gel	rface W/ ECORD SQUEE: ND OH M] ed 2	W/ 325 SX 300 SX "C None PACKER SET () N/A ZE, ETC. ATERIAL USED 0% HC] W/80
9-5/8" J-55 7" K-55 29. 3125 N/A	48.1 36.1 26.1 TOP (1	0.# 0.# 6# MD)	LINER BOTT	<u>355'</u> 1620' 8500' RECORD ом (Mb)	SACKS	17 - 1/2 12 - 1/4 8 - 3/4"	32. DEPTY 8014		500 s) 1000 575 s) 30. 2. C1D, SHC AL (MD)	к Н & 55. Н. к Supe 525 7/8" 97. FRAG 80 50	С (1" Род & r-С Мо ТО Бег СТИВЕ, С АМОИН 00 gal	to sui C (1" d BINC RE BINC RE	rface w/ ecore source source source ho of M }ed 2 HC1 a	W/ 325 SX 300 SX "C None PACKER SET (/ N/A ZE, ETC. ATERIAL USED 0% HC1 W/80 cid.
9-5/8" J-55 7" K-55 29. 3125 N/A	48.1 36.1 26.1 TOP (1	0.# 0.# 6# MD)	LINER BOTT	<u>355'</u> 1620' 8500' RECORD ом (Mb)	SACKS (17 - 1/2 12 - 1/4 8 - 3/4"	32. DEPT5 8014 8216	EN (MU)	500 s) 1000 575 s) 30 2- CID, SHC AL (MD)	к Н & 55. Н. к Supe 525 7/8" 97. FRAG 80 50	С (1" Род & r-С Мо ТО Бег СТИВЕ, С АМОИН 00 gal	to sui C (1" d BINC RE BINC RE	rface w/ ecore source source source ho of M }ed 2 HC1 a	W/ 325 SX 300 SX "C None PACKER SET () N/A ZE, ETC. ATERIAL USED 0% HC] W/80
9 <u>-5/8" J-55</u> 7" K-55 29. 312E N/A 31. PERFORATION RECO 8014' - 8346'	48.1 36.1 26.1 TOP (1	0.# 0.# 6# MD)	LINER BOTT	<u>355'</u> 1620' 8500' RECORD ом (Mb)	sacks of	17 · 1/2 12 · 1/4 8 · 3/4"	32. DEPTT 8014 8216 7963	EN (MD) AG H INTERVA - 2346 - 8346	500 s) 1000 575 s) 30 2- CID, SHC AL (MD)	к Н & 55. Н. к Supe 525 7/8" 97. FRAG 80 50	С (1" Род & r-С Мо ТО Бег СТИВЕ, С АМОИН 00 gal	to sui C (1" d BINC RE BINC RE	rface w/ ecore source source source ho of M }ed 2 HC1 a	W/ 325 SX 300 SX "C None PACKER SET () N/A ZE, ETC. ATERIAL USED 0% HC1 W/80 cid.
9 <u>-5/8" J-55</u> 7" K-55 29. 3125 N/A 31. PERFORATION RECO 8014' - 8346'	48.1 36.1 26.1 TOP (1 RD (Interv 2 SPF	0# 6# 6# wD) w/4	LINER BOTT	<u>355</u> 1620' 8500' RECORD ом (МЪ) gun (16	Acts of the second seco	17 - 1/2 12 - 1/4 8 - 3/4" CEMENT	32. DEPTT 8014 8216 7963 DN	EN (MD) AG H INTERV '- 8346 '- 8346 '- 8216	500 s) 1000 575 s) 30 2- 10, SHC 4. (MD) -	к Н & 55. Н. к Supe 525 7/8" 97. FRAG 80 50	С (1" Род & r-С Мо ТО Бег СТИВЕ, С АМОИН 00 gal	to su C (1" d BING RE TH SET () 8356' EMENT T AND K S GE 20% (a) 20	rface W/ ECORD MU) SQUEE: ND OF M 1ed 2 HC1 au X aci	W/ 325 SX 300 SX "C None PACKER SET () N/A ZE, ETC. ATERIAL USED 0% HC1 W/80 cid. d w/140 BS.
9-5/8" J-55 7" K-55 29. 3125 N/A 31. PERFORATION RECO 8014' - 8345' 33.* DATE FIRST PRODUCTION	48.1 36.1 26.1 TOP (1 RD (Interv 2 SPF	0# 6# 6# w/b) w/4	LINER BOTTA d number " CSG	<u>355'</u> 1620' 8500' RECORD ом (МБ) gun (16	sacks o 4 holes	17 - 1/2 12 - 1/4 8 - 3/4" CEMENT	32. DEPTT 8014 8216 7963 DN	EN (MD) AG H INTERV '- 8346 '- 8346 '- 8216	500 s) 1000 575 s) 30 2- 10, SHC 4. (MD) -	к Н & 55. Н. к Supe 525 7/8" 97. FRAG 80 50	С (1" Род & r-С Мо ТО Бег СТИВЕ, С АМОИН 00 gal	to su C (1" d BING RE TH SET () 8356' EMENT T AND K S GE 20% (a) 20	rface W/ ECORD MU) SQUEE: ND OF M Jed 2 HC1 a X aci X aci	W/ 325 SX 300 SX "C None PACKER SET (N N/A ZE, ETC. ATERIAL USED 0% HC] W/80 cid. d W/140 BS. S (Producing or
9-5/8" J-55 7" K-55 20. 3125 N/A 31. PERFORATION RECO 8014' - 8345' 33 DATE FIRST PRODUCTION 12/30/97	48.1 36.1 26.1 TOP (1 RD (Interv 2 SPF	0# 6# 6# w/D w/4 PROD Sub	LINER BOTT d number " CSG UCTION M mersib	<u>355</u> 1620' 8500' RECORD ом (МЪ) gun (16	sacks of 4 holes ving, gas lij	17 - 1/2 12 - 1/4 8 - 3/4" CEMENT 5) 5)	32. DEPTT 8014 8216 7963 DN	EN (MD) AC H INTERVA - 8346 - 8346 - 8216 - 8216	500 s) 1000 575 s) 30 2- 10, SHC 4. (MD) -	× H & 5X. H. × Supe 7/8" 0T, FRAG 50 11	С (1" Род & r-С Мо ТО Бер СТОЯВЕ, С АМООР 100 ga] 10 ga] 500 с	to su C (1" d BING RE TH SET () 8356' EMENT T AND K S GE 20% (a) 20	rface W/ ECORD MU) SQUEE: NP OF M 1ed 2 HC1 au X aciu L STATUS Ind-in) F	W/ 325 SX 300 SX "C None PACKER SET (A N/A ZE, ETC. ATERIAL USED 0% HC1 W/80 cid. d w/140 BS.
9-5/8" J-55 7" K-55 29. 3125 N/A 31. PERFORATION RECO 8014' - 8345' 33.* DATE FIRST PRODUCTION	48.1 36.1 26.1 TOP (1 RD (Intern 2 SPF	0# 6# 6# w/D w/4 PROD Sub	LINER BOTT d number " CSG UCTION M Mersib	355 1620' 8500' мсоко ом (мб) gun (16 gun (16	sacks of 4 holes ving, gas lij	17 · 1/2 12 · 1/4 8 · 3/4" СЕМЕНТ · 5)	32. DEPTT 8014 8216 7963 ON	EN (MD) AC H INTERVA - 8346 - 8346 - 8216 - 8216	500 s) 1000 s 575 s) 30. 2. (10, SHC (10, SHC (MD)	 К. Н. & SX. Н. SX. H. SUPE SZE 7/8" 97. РЕАЛ 97. РЕАЛ 97. РЕАЛ 97. РЕАЛ 97. РЕАЛ 97. РЕАЛ 97. Р. С. В. /li>	C (1" Poz & r-C Mo TU DEF TURE, C AMOUN 100 ga] 10 ga] .500 c	to sui C (1" d BINC RE TH SET 0 8356' EMENT TI AND KI S GE1 20% (a) 20 (well <i>i</i> /i	rface W/ ECORD MU) SQUEE: NP OF M 1ed 2 HC1 au X aciu L STATUS Ind-in) F	W/ 325 SX 300 SX "C None PACKER SET (A N/A ZE, ETC. ATERIAL USED 0% HC] W/80 cid. d W/140 BS. Producing or Producing
9-5/8" J-55 29. 3125 N/A 31. PERFORATION RECO 8014' - 8345' 33.* DATE FIRST PRODUCTION 12/30/97 DATE OP TEST	48.1 36.1 26.1 TOP (1 RD (Intern 2 SPF	0# 6# 6# w/D w/4 PROD Sub	LINER BOTT d number " CSG UCTION M mersib CR N E CA	355 1620' 8500' RECORD OM (MD) gun (16 9 9 9 9 9 9 9 9 9 9 9 9 9	sacks of 4 holes ving, gas lij	17 · 1/2 12 · 1/4 8 · 3/4" СЕМЕНТ СЕМЕНТ 5) РАОDUCTIO 6, рипрінд IN. POR PERIOD	32. DEPTY 8014 8216 7963 ON - size and 010 BBL 1510	EN (MD) AC H INTERVA - 8346 - 8346 - 8216 - 8216	500 s) 1000 s 575 s 20 20 10, sHC 10, sHC	 К. Н. & SX. Н. SX. H. SUPE SZE 7/8" 97, FRAS 97, FRAS 90, /li>	C (1" Poz & r-C Mo TU DEF TURE, C AMOUN 100 ga] 10 ga] .500 c	to sui C (1" d BINC RE TH SET () B356' EMENT T AND KI S GE] 20% (a) 20 (well) (a) 20 (c) (c) (c) (c) (c) (c) (c) (c) (c) (c)	rface W/ ECORD MU) SQUEE: NP OF M 1ed 2: HC1 au X aciu X aciu L STATUS Imfini F	W/ 325 SX 300 SX "C None PACKER SET (A N/A ZE, ETC. ATERIAL USED 0% HC] W/80 cid. d W/140 BS. Producing or Producing GAS-OIL RATIO 1381
9-5/8" J-55 29. 3125 N/A 31. PERFORATION RECO 8014' - 8345' 33.* DATE FIRST PRODUCTION 12/30/97 DATE OP TEST 12/31/97	48.1 36.1 26.1 TOP (1 RD (Intern 2 SPF	0# 6# 6# w/D) w/4 PROD Sub YESTED	LINER BOTT d number " CSG UCTION M mersib CR N E CA	<u>355'</u> 1620' 8500' <u>RECORD</u> ом (MD) gun (16 gun (16 strepump юке size /A	SACKS C SACKS C 4 holes project for the second seco	17 · 1/2 12 · 1/4 8 · 3/4" СЕМЕНТ СЕМЕНТ 5) РАОDUCTIO 7, рипрінд IN. FOR PERIOD 38L-	32. DEPTY 8014 8216 7963 ON - size and 01 BBL 1510 CA	EN (MD) AC H INTERVA · - 8346 · - 8346 · - 8216 Ispe of put	500 s) 1000 s 575 s 20 20 10, sHC 10, sHC	 К. Н. & SX. Н. SX. H. SUPE SZE 7/8" 97, FRAS 97, FRAS 90, /li>	C (1" Poz & r-C Mo TO Der CTURE, C AMOUN 10 gal 500 c 500 c 500 c 500 c 500 c	to sui C (1" d BINC RE TH SET () B356' EMENT T AND KI S GE] 20% (a) 20 (well) (a) 20 (c) (c) (c) (c) (c) (c) (c) (c) (c) (c)	rface W/ ECORD MU) SQUEE: NP OF M 1ed 2: HC1 au X aciu X aciu L STATUS Imfini F	W/ 325 SX 300 SX "C None PACKER SET () N/A ZE, ETC. ATERIAL USED 0% HC] W/80 cid. d W/140 BS. S(Producing or Producing GAS-OLL RATIO 1381 AVITY - AP!(CORR
9-5/8" J-55 20. 3125 N/A 31. PERFORATION RECO 8014' - 8345' 33.* DATE FIRST PRODUCTION 12/30/97 DATE OP TEST 12/31/97 PLOW, TUBING PRESS.	48.1 36.1 26.1 TOP (1 RD (Intern 2 SPF N N N 2 SPF	0# 6# 6# wD) w/4 PROD Sub rested PRESSUR L368#	LINER BOTT CSG UCTION M MERSID CN E CA 24	355' 1620' 8500' RECORD OM (MD) gun (16 gun (16 stroop(Flow of e pump toke size /A LCULATED HOUR RATE	SACKS C SACKS C 4 holes ving, gas lij PRCD' TEST F J OIL - B	17 · 1/2 12 · 1/4 8 · 3/4" СЕМЕНТ СЕМЕНТ 5) РАОDUCTIO 7, рипрінд IN. FOR PERIOD 38L-	32. DEPTY 8014 8216 7963 ON - size and 01 BBL 1510 CA	EN (MD) AC H INTERVA 8346 8346 8216 	500 s) 1000 s 575 s 20 20 10, sHC 10, sHC	 К. Н. & SX. Н. SX. H. SUPE SZE 7/8" ЭТ, FRAS 90, /li>	C (1" Poz & r-C Mo TO DEF CTURE, C AMOUN 100 gal 0 gal 0 gal 1500 c 1500 c 1500 c 1500 c 1500 c	to sui C (1" d BINC RE TH SET () B356' EMENT T AND KI S GE] 20% (a) 20 (well) (a) 20 (c) (c) (c) (c) (c) (c) (c) (c) (c) (c)	rface W/ ECORD MU) SQUEE: ND OH M 1ed 2: HC1 au X acid X acid L STATUS HC1 au X acid HC1 Au X ac	W/ 325 SX 300 SX "C None PACKER SET () N/A ZE, ETC. ATERIAL USED 0% HC] W/80 cid. d W/140 BS. S(Producing or Producing GAS-OLL RATIO 1381 AVITY - AP!(CORR
9-5/8" J-55 20. 3125 N/A 31. PERFORATION RECO 8014' - 8345' 33 DATE FIRST PRODUCTION 12/30/97 DATE OP TEST 12/31/97 PLOW, TUBING PRESS. N/A	48,1 36,1 26,1 TOP (1 RD (Intern 2 SPF N N HOURS 24 CASING BHP 1 (Sold, use	0# 6# 6# wD) w/4 prop Sub rested PRESSUR L368# J for fuel	LINER BOTT CSG UCTION M MERSID CN E CA 24	355' 1620' 8500' RECORD OM (MD) gun (16 gun (16 stroop(Flow of e pump toke size /A LCULATED HOUR RATE	SACKS C SACKS C 4 holes ving, gas lij PRCD' TEST F J OIL - B	17 - 1/2 12 - 1/4 8 - 3/4" CEMENT CEMENT S) FRODUCTION R, pumping IN. FOR PERIOD 38L. 0	32. DEPTY 8014 8216 7963 ON - size and 01 BBL 1510 CA	EN (MD) AG H INTERVA - 2346 - 2346	500 s) 1000 s 575 s) 30. s 2. s (ID, SHC AL (MD) (AS - 208	K H & SX H. K Supe SZE 7/8" 97, FRAG 97, FRAG 90,	C (1" Poz & r-C Mo TO DEF CTURE, C AMOUN 100 gal 0 gal 0 gal 1500 c 1500 c 1500 c 1500 c 1500 c	to su C (1" d BING RE TH SET () 8356 B356 TEMENT T AND E S GE 20% (a) 20 (a) 20 (b) 20% (c) 20	rface W/ ECORD MU) SQUEE: ND OH M 1ed 2: HC1 au X acid X acid L STATUS HC1 au X acid HC1 Au X ac	W/ 325 SX 300 SX "C None PACKER SET () N/A ZE, ETC. ATERIAL USED 0% HC] W/80 cid. d W/140 BS. S(Producing or Producing GAS-OLL RATIO 1381 AVITY - AP!(CORR
9-5/8" J-55 7" K-55 20. 31.25 N/A 31. PERFORATION RECO 8014' - 8345' 33 DATE FIRST PRODUCTION 12/30/97 DATE OP TEST 12/31/97 PLOW, TUBING PRESS. N/A 34. DISPOSITION OF GAS	48.1 36.1 26.1 TOP (1 RD (Interve 2 SPF 2 SPF N N 24 CASING BHP 1 (Sold, use Petrol 6	0# 6# 6# wD) w/4 prop Sub rested PRESSUR L368# J for fuel	LINER BOTT CSG UCTION M MERSID CN E CA 24	355' 1620' 8500' RECORD OM (MD) gun (16 gun (16 stroop(Flow of e pump toke size /A LCULATED HOUR RATE	SACKS C SACKS C 4 holes ving, gas lij PRCD' TEST F J OIL - B	17 - 1/2 12 - 1/4 8 - 3/4" CEMENT CEMENT S) FRODUCTION R, pumping IN. FOR PERIOD 38L. 0	32. DEPTT 8014 8216 7963 DN - size and 01 BBL 01 BBL 1510 CA 20	EN (MD) AG H INTERVA - 2346 - 2346	500 s) 1000 s 575 s) 30. s 2. s (ID, SHC AL (MD) (AS - 208	K H & SX H. K Supe SZE 7/8" 97, FRAG 97, FRAG 90,	C (1" Poz & r-C Mo TO DEF CTURE, C AMOUN 100 gal 0 gal 0 gal 1500 c 1500 c 1500 c 1500 c 1500 c	to su C (1" d BING RE TH SET () 8356 B356 TEMENT T AND E S GE 20% (a) 20 (a) 20 (b) 20% (c) 20	rface W/ ECORD MU) SQUEE: ND OH M 1ed 2: HC1 au X acid X acid L STATUS HC1 au X acid HC1 Au X ac	W/ 325 SX 300 SX "C None PACKER SET (N N/A ZE, ETC. ATERIAL USED 0% HC] W/80 cid. d W/140 BS. S(Producing or Producing GAS-OLL RATIO 1381 AAVITY - AP! (COBR.
9-5/8" J-55 7" K-55 20. 31. PPEFORATION RECO 8014'-8345' DATE FIRST PRODUCTION 12/30/97 DATE OF TEST 12/31/97 PLOW. TUBING PRESS. N/A 34. DISPOSITION OF GAS Sold - Yates F 35. LIST OF ATTACHMEN C-104, Deviati	48.1 36.1 26.1 70P(1 RD (Intern 2 SPF 2 SPF N N 24 CASING BHP 1 (Sold, use Petrol E NTS 100 SUI	0# 0# 6# 6# MD) 41, size an w/4 PROD Sub PRESSUR L368# J for fuel 2UM *Vey.	LINER BOTT a number " CSG UCTION M mersib CR N E CA 24- 1, vented, 1	355 1620' 8500' RECORD OM (MD) gun (16 gun (16 16 16 16 16 16 16 16 16 16	SACKS C 4 holes PRCD PRCD 01L - 3 1510	17 - 1/2 12 - 1/4 8 - 3/4" CEMENT CEMENT S) FRODUCTION R, pumping IN. FOR PERIOD SBL. D	32. DEPTY 8014 8216 7963 DN - rice and DN - rice and DN - rice and DN - rice and DN - REPTEL CAR EPTEL	EN (MD) 	500 s) 1000 s 575 s) 30. s 2. s (ID, SHC AL (MD) (AS - 208	K H & SX H. K Supe SZE 7/8" 97, FRAG 97, FRAG 90,	C (1" Poz & r-C Mo TO DEF CTURE, C AMOUN 100 gal 0 gal 0 gal 1500 c 1500 c 1500 c 1500 c 1500 c	to su C (1" d BING RE TH SET () 8356 B356 TEMENT T AND E S GE 20% (a) 20 (a) 20 (b) 20% (c) 20	rface W/ ECORD MU) SQUEE: ND OH M 1ed 2: HC1 au X acid X acid L STATUS HC1 au X acid HC1 Au X ac	W/ 325 SX 300 SX "C None PACKER SET () N/A ZE, ETC. ATERIAL USED 0% HC] W/80 cid. d w/140 BS. S(Producing or Producing GAS-OLL RATIO 1381 RAVITY - AP! (COBR.
9-5/8" J-55 7" K-55 20. 31. PERFORATION RECO. 8014'-8345' DATE FIRST PRODUCTION 12/30/97 DATE OF TEST 12/31/97 PLOW, TUBING PRESS. N/A 34. DISPOSITION OF GAS Sold - Yates F 35. LIST OF ATTACHMEN	48.1 36.1 26.1 70P(1 RD (Intern 2 SPF 2 SPF N N 24 CASING BHP 1 (Sold, use Petrol E NTS 100 SUI	0# 0# 6# 6# MD) 41, size an w/4 PROD Sub PRESSUR L368# J for fuel 2UM *Vey.	LINER BOTT a number " CSG UCTION M mersib CR N E CA 24- 1, vented, 1	355 1620' 8500' RECORD OM (MD) gun (16 gun (16 16 16 16 16 16 16 16 16 16	SACKS C A holes PROD PROD TEST F OIL - 3 1510 Serter u den	17 - 1/2 12 - 1/4 8 - 3/4" СЕМЕНТ СЕМЕНТ 5) РАОБИСТИ 8, римрінд 986, 0 АСІ 400 400 400 400 400 400 400 40	32. 32. DEPTT 8014 8216 7963 DN - size and 1 001 BBL 1510 CA 20 CA CA CA CA CA CA CA CA CA CA	EN (MD) 	500 s) 1000 s 575 s) 30. s 2. s (ID, SHC AL (MD) (AS - 208	K H & SX H. K Supe SZE 7/8" 97, FRAG 97, FRAG 90,	C (1" Poz & r-C Mo TO DEF CTURE, C AMOUN 100 gal 0 gal 0 gal 1500 c 1500 c 1500 c 1500 c 1500 c	to sui C (1" d BINC RE BINC RE BINC RE BINC RE BINC RE BINC RE BINC RE BINC RE C (1" C (1") C (1" C (1") C (1" C (1") C	rface W/ ECORD MU) SQUEE: SQUEE: ND OF M P OF M 1ed 2 HC1 a HC1 a L STATUS I HC1 a SCUEE: A0.6 SED BY	W/ 325 SX 300 SX "C None PACKER SET IN N/A ZE, ETC. ATERIAL USED 0% HC1 W/80 cid. d W/140 BS. S(Producing or Producing GAS-OLL RATIO 1381 EAVITY - AP!(COBA.
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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 jurisdicton.

FEB-08	-99 1	1 1	0:35 /	Fro	m:SAN	TA FE	ENERG	Y RES	OURCES	5	9156866	5714	T-429	P.04/06	Job-2
		1	TRUE VERT. DEPTH	1230	2708	2936	4902	7225	7706	7950					
GEOLOGIC MARKERS			MEAS. DEMTH	1230	2708	2936	4902	7225	7706	0562					
38. GEOL		NAME		San Andres	Glorieta	Yeso	Bone Spring	3rd BS Sand	Volfcamp	Cisco/Canyon					
SUMMARY OF POROUS CONDST (NEW AIL UNDERFORMED FORES OF POTOSILY AND COMENS THERES); CONED INTERVALS; AND AIL ACHINESTERS); INCLUED GET DECORE, INSUED ACHINEST AND ALL ACTIVES	DESCRIPTION, CONTENTS, ETC.			0il/Gas/Mater											
avai estad, cush	MOLLOR			, 2629											
cluđag depth iot	TOP			8007					<u>'; 1</u> ,	2013-10 [1] 1991 (1.17)	2030 <u>8</u> 5 7 7 1867				<u>v</u>
drill-stem, tests, inc rocoveries):	FORMATION			Cisco/Canyon	(Dolomite)					e :11 & 9- Charle	- MAL 8201				

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DECEMBER 16, 1997

WELL NAME AND NUMBER:	NAGOOLTEE PEAK "5" FED #1/ 3
LOCATION:	Sec. 5 T22S R24E
OPERATOR:	SANTA FE ENERGY RESOURCES
DRILLING CONTRACTOR:	PATTERSON DRILLING

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

DEGREE AND DEPTH		DEGREE	AND REPTH	DEGREE AND DEPTH		
1.75	148	0.75	4286	0.50	7044	
0.75	238	1.25	4532	0.50	7315	
0.75	355	0.75	4783	1.00	7608	
1.00	580	1.00	5090	1.00	7888	
1.00	825	1.00	5478	1.00	8266	
1.25	1320	1.25	5757	0.25	8500	
1.25	1813	1.75	5914			
1.00	2310	1.50	6132			
1.25	2787	1.00	6382			
0,75	3287	1.00	6604			
0.75	3790	0.75	6910			

Drilling Contractor: Patterson Drilling

By: Billy Jensen

Subscribed and sworn to before me this 16th day of Dec. 1997.

My Commission Expires: June 30, 2001

Mary G. Honson

(June 1990) DEPARTMEN BUREAU OF 3 SUNDRY NOTICES AN Do not use this form for proposals to drill Use "APPLICATION FOR	TED STATES	S COMM LESTION PROVED Budget Bureau No. 1004-0135 IM BEFFYES: March 31, 1993 5. Lease Designation and Serial No. NM-81217 6. If Indian, Allottee or Tribe Name 7. If Unit or CA, Agreement Designation
 Type of Well <u>Well</u> Gas Well Other Name of Operator Santa Fe Energy Resources, Ir Address and Telephone No. 550 W. Texas, Suite 1330, Midl Location of Well (Footage, Sec., T., R., M., or Survey D (C), 1294' FNL, & 2063' FWL, 	nc. ~ and.TX 79701915/687-3551 escription)	8. Well-Name-and-No. Bandaid Federal #1 9. API Well No. University Area Indian Basin (Upper Penn) Assoc. 11. County or Parish, State Eddy NM
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, (OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent Subsequent Report Final Abandonment Notice	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 pertiment to this work.)*

8/1/95: MIRU. Blow tbg and csg down.

8/2/95: Kill well w/10# brine. POOH w/tbg and SN. RIH w/7" cmt retainer to 7093', could not set retainer. Pull up to 7030', retainer would not set. Could not pull tention on retainer, POOH w/tbg. Retainer stayed in hole, do not know if set.

8/3/95: RIH w/stinger & tagged retainer @ 7145', sitting on top of liner @ 7154'. POOH, load hole w/250 bbls, casing on vacuum, could not load hole. WO 2nd 7" retainer. RIH w/retainer & set at 6950'. Load hole w/ 150 bbls, test retainer & casing to 500#, ok. Stung into retainer and pumped 150 sx Cl C cmt, sting out of retainer and pumped 50' cmt on top of retainer. BLM approved setting 2nd retainer on top of 1st.

8/4/95: RIH and free point 7" casing @ 6500', tag TOC at 6890'. RIH and cut csg off @ 6500'. Begin POOH w/7" csg. Shut down for weekend.

8/8/95: Finish pulling total of 168 jts 7". RIH w/tbg and spot 70 sx cmt plug @ 6575' (65' inside stub). POOH w/30 stds.

	roduction Clerk	Date October 5, 1995
(This space for fed ORIG . SGD.) JOE G. LARA Approved by Conditions of approval, if any: Approved as to plugging of the well bora. Liability under bond is retained until surface restoration is completed.	PETROLEUM ENGINEER	Dato 11/9/95

or representations as to any matter within its jurisdiction.

Bandaid Fed. #1 Plugging cont.

- 8/09/95: RIH w/tbg, tagged TOC @ 6165'. POOH w/88 jts. Spot 40 sx C1 "C" +
 2% CaCl₂ at 4450'. POOH w/ 25 stds, wait 5 hrs. RIH and tagged
 top of cement plug @ 4292'. Spot 70 sx C1 "C" at 2575'. POOH w/
 25 stds. SDFN.
- 8/10/95: RIH and tagged TOC at 2386'. Spot 35 sx Cl "C" at 444'. POOH & LD 12 jts. Spot 15 sx Cl "C" from 60' to surface. SDFN.
- 8/11/95: Removed wellhead. Cut casing off, installed marker. Filled in cellar, removed dead men. Cleaned location.

Well plugged an abandoned. Job complete on 8/11/95.

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	52		
(June 1990) DEPARTMEN	TED STATES IT OF THE INTERIOR LAND MANAGEMENT	Deserve DD	FORM APPROVED MMISSEQN: Bureau No. 1004-0135 Expires: March 31, 1993 S210
Do not use this form for proposals to dr	AND REPORTS ON WEI ill or to deepen or reentry to R PERMIT—" for such prop	LS to a different reservoir.	NM 81217 6. If Indian, Allottee or Tribe Name
	IN TRIPLICATE		7. If Unit or CA, Agreement Designatio
Type of Well Oil Gas Well Well Other Same of Operator			8. Well Name and No. BAND AID FEDERAL
Santa Fe Energy Operating P 3 Address and Telephone No.			9. API Well No.
550 W. Texas, Suite 1330, M 4. Location of Well (Footage, Sec., T., R., M., or Survey D 2063' FWL & 1294' FNL, SEC.5,	escription)		10. Field and Pool, or Exploratory Area INDIAN BASIN 11. County or Parish, State
	,	UT.C	EDDY CO., N.M.
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATUR	E OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
Subsequent Report	Abandonment Recompletion Plugging Back	¢	Change of Plans Change of Plans New Construction Non-Routine Fracturing Water Shut-Off
Final Abandonment Notice	Casing Repair Ahering Casin Cother Cot		Conversion to Injection Dispose Water (Note: Report results of multiple completion of Completion or Recompletion Report and Log
13. Describe Proposed or Completed Operations (Clearly state a give subsurface locations and measured and true vertice. The subject well was temporar (Steve Sell). Santa Fe Energy for water supply well purpose above the existing perforation hole section and across the 9 fresh water zones will then hole Section Sec	cal deputs for all markers and zones per cily abandoned in Nov cy Operating Partners es. Santa Fe will Pa ons, pulling 7" prod 0-5/8" casing shoe.	timent to this work.)" vember of 1989, by s, L.P., will util VA the lower well duction casing, se The 9-5/8" casing	the previous operator ize the upper well boy bore by setting a plug etting a plug in the op
The above work is to begin o	n or before February	20, 1995.	NOV 25 II
		JBJECT TO KE A PPROVAL Y STATE	EVED II 16 MI 94
14 - I hereby seriify that the foregoing is true and chrrect Signed	bert Sr. Pro	duction Clerk	Date21/21/94
(This space for Federal or Sum office use) (Fig. Signed by Shemmer J. Shem Approved by Conditions of approval, if any:	Tille PETROLE	JM ENGINEER	12/13/94
Title 18 U.S.C. Section 1001, makes it a crime for any perso or representations as to any matter within its jurisdiction.	a knowingly and willfully to make to an	y department or agency of the Unite	ed States any false, fictinious or frandulent sta

*See instruction on Reverse Side

N MEXICO OIL CONSERVATION COMMISS OCATION A . ~

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		WELL LOCATION				Effective 1-1-65
perator			Lease	er bounderles of t	ne section.	Well No.
Steve Sel	1		-	andaid Fede	eral	1
nit Letter Se	ction	Township	Rang		County	
C	5	22 South	1	24 East	Eddy Co	ounty, N.M.
ctual Footage Locatio			0000		••	
		North line a		<u>leet</u>	from the West	line
ound Level Elev.	Producing Fo		Pool	an Basin U	1 and	Dedicated Acreage:
4206.	Cisco I	ited to the subject				692.88 Acro
interest and r 3. If more than c	oyalty). me lease of d		is dedicated	to the well, h		p thereof (both as to workin of all owners been consol
this form if ne	'no,'' list the cessary.)		scriptions w	which have act		lidated. (Use reverse side c
						CERTIFICATION
2063		1294'	 		tained best of	by certify that the information con herein is true and complete to the i my knowledge and belief. Kurt Boley
	495;		 		Company Date	Steve Sell March 8, 1989
					1 / heral showr or开s(un号gr p	N. R. R. E. D. D. N. R. R. E. D. D. N. E. H. M. E. Kors in even location on this plat was plotted from field st actus 4 Ververs made by me of ny supervision and that the same anthe correct with the best of my de and helier. PROFESSIONA
	· + ·	1	•			

F.orm 3160-4 (November 1983) (formerly 9-330)		U		STATES 01	SUBMI	RY - UN			Expires	Bureau No. 1004-013 August 31, 1985
		BUREA	U OF LAN	THE INT		ECH ÆBU	verse side	,	NM-	GNATION AND SERIAL N 81217
WELL CO	MPLETIC	ON O	R RECOM	PLETION R	EPORT	ANDLO	ວ່ີຜູ້	6. гг	INDIAN.	ALLOTTEE OR TRIBE NAM
1a. TYPE OF WEL		WELL X	GAS WELL		Other			- 7. 081	T AGREE	MENT NAME
	WORK OVER	DEEP-		DIFF.	Other Re-	-Entry		S. FAI	IM OR LI	
2. NAME OF OPERAT	ron							-		e Peak 5 Feder
Santa Fe	Energy	Opera	ting Part	tners, L.P.				· · · · · ·	LL NO. /	·
3. ADDRESS OF OPE										1 /
550 W. T	exas, S	uite l	330, Mid.	Land, Texas	79701	rements) #				POOL, OB WILDCAT
	-			FEL, Sec.	-				_	asin Upper Pen
At top prod. int				122, 500.	J , 1-22.), R-24E	I	01	R AREA	
At total depth										T-22S, R-24E
				14. PERMIT NO. 30-015-247	10	DATE ISSUED		P/	NUNTY OF	
15. DATE SPUDDED	16. DATE 1	T.D. REACH	ED 17. DATE	COMPL. (Ready to		ELEVATIONS			ddy	19. ELEV. CASINGHEAD
Re-Entered 3-5-94	1 NEU 3-26		4-	11-94	10	4280.3		B. KT. G&. 2	IC.)*	
20. TOTAL DEPTH. MD			CK T.D., MD & T		TIFLE COMPL.	, 23. r	NTERVAL: RILLED B		RY TOOLS	S CABLE TOOLS
8565' NE			71'		N/A				11	N/A
24. PRODUCING INTE	RVAL(S), OF	THIS COM	PLETION-TOP,	BOTTOM, NAME (M	D AND TVD)	1				25. WAS DIRECTIONA SURVEY MADE
8306'-83	48' (Up	per Pe	nn)							No
26. TYPE ELECTRIC									2	27. WAS WELL CORED
DLL/MSFL	; LDT/C	NL								No
CASING SIZE	WEIGHT	. L.B./ FT .	CASIN	G RECORD (Repo	ort all string. .E SIZE		CEMENTI	NG RECORD		AMOUNT PULLED
13-3/8"		48#	31(1/2"	Circ'd		45 sx	<u> </u>	None
8-5/8"	-	32#	2550		1/4"	Circ'd				None None
5-1/2"	15.5	& 17#	8564		7/8''	670 sx		H"		None
						<u> </u>				
29.			ER RECORD			30.			RECO	
N/A	TOP (MD)		TOM (MD)	SACKS CEMENT*	SCREEN (M				SET (MD	
A						2_7.	/8	8	979 '	N/A
31. PERFORATION RE	COBD (Interv	al, size as	nd number)		32.	ACID. SH	OT. FRA	CTURE, C	EMENT	SQUEEZE, ETC.
8306'-83	48' (23	holes)		DEPTH IN	TEBVAL (MD)		AMOUNT A	ND KIND	OF MATEBIAL USED
					8306'-	<u>-8348'</u>				NEFe acid w/
							42	ball s	sealer	<u>rs</u>
								<u>.</u>		
33.*					UCTION					
DATE FIRST PRODUCT 4-11-94	NON		mersible	lowing, gas lift, pu Pump	imping—size	and type of ;	pump)		WELL S shut	itatus (<i>Producing or</i> -in) ST
DATE OF TEST	HOURS TE	STED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	01L	GAS-	-MCF.	WATE	tr—BBL.	GAS-OIL BATIO
4-14-94	22		32/64"		487		95		785	811
100	CASING PR	ESSURE	CALCULATED 24-HOUR RATE		GAS-		WAT	ERHBL.		OIL GRAVITT-API (CORR.)
190 34. DISPOSITION OF	400	ed for fuel	, vented, etc.)	531	4	31		856	WITNESS	40.8°
				.ng on sales	5 CONNOS	tion				
35. LIST OF ATTACH	MENTS							1	<u> </u>	
Logs, 36. I hereby certify	Deviatio	on Sur	vey C-10	4	10to c - 4					
SU. I Hereby Certify	циац тде 10			iormation is comp	Tere and corr	ect as detern	nined fro	onn all ava	Hable re	COTOS
SIGNED	rif	YIC	julla	Scitle S	r. Produ	<u>iction C</u>	lerk		DATE	4-20-94
/	-U	*(Saa la		d Spaces for A	ddisianal	Data an P		Side)		
		('SEE [U)	moctions du	a shaces ici y	aanonai	vara on Ke	everse .	siae)		

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Fitle 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.

Form 3160-3 (Novemper 1983) formerly 9-331C).	<u> </u>	NM OIL CO DRAWER D ITED: STATES IT OF THE II	D Mi 99 NTERI	(Ot) 210 0R	HON TRIPI		Expires August	
, on ne : 4	PM J BUREAU O	F LAND MANAG	EMENT		· · · · · · · · · · · · · · · · · · ·		NM-81217	
APPLICATI	ON FOR PERMIT	TO DRILL, I	DEEPEN	I, OR P	LUG BA	GK V	6./IFINDIAN. ALLOTTER	OR TRIBE NAME
		DEEPEN []	PL	UG BACK	0	GAUSTY AGREEMENT NA	XB
b. TYPE OF WELL OIL WELL		RE-ENTER	81NG 20N1		MULTIPLE Zone		S. FARM OR LEASE NAM	
2. NAME OF OPERATOR			2011		LUNE		Nagooltee Peak	5 Fed
San	ta Fe Energy Ope	rating Partn	ers, L	.P.			9. WELL NO.	
3. ADDRESS OF OPERA				<u></u>			1	
5 50	W. Texas, Suite	1330, Midla:	nd, Te	xas 797	01		10. FIELD AND POOL, OF	WILDCAT
4. LOCATION OF WELL At surface	. (Beport location clearly a	nd in accordance wit	th any Sta	te requireme	ents.")		Indian Basin (Upper Penn)
	, 1636' FEL and 1	1633' FSL, Se	ec. 5,	T-22S,	R-24E		11. SEC., T., E., M., OE E AND SUBVEY OR AR	LK.
At proposed prod.	. 20 ne						Sec. 5, T-22S	
14. DISTANCE IN MI	LES AND DIRECTION FROM N	EAREST TOWN OR POS	T OFFICE*				12. COUNTY OR PARISH	
17 miles	West of Carlsbad	i, New Mexico)				Eddy	NM
15. DISTANCE FROM F LOCATION TO NEA		· · · · · · · · · · · · · · · · · · ·	16. NO.	OF ACRES IN	LEASE		F ACRES ASSIGNED HIS WELL	
PROPERTY OR LEA		1633'		600'			320	
15. DISTANCE FROM	PROFOSED LOCATION* .L. DRILLING. COMPLETED.		19. PROI	OSED DEPTH		20. ROTA	RY OB CABLE TOOLS	
OR APPLIED FOR, OF		2835'		8600'		I	lotary	
21. ELEVATIONS (Show	whether DF, RT, GR. etc.)						22. APPROX. DATE WO	E WILL START*
4280.3	' GR						ASAP	
23.	ACTUAL	TRRRSED CAS	ING AND	CEMENTING	PROGRAM			<u></u>
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	T00	SETTING	DEPTH		QUANTITY OF CEMEN	T
17-1/2"	13-3/8"		<u> </u>	31	LO' (Circ v	v/ 845 sx - in	place
11"	8-5/8"			255		Circ v		
7-7/8"	5-1/2"	15.5 & 17.	.0	860		Est T(

Santa Fe Energy Operating Partners, L.P. proposes to rig up a drilling rig to re-enter the Discovery Operating well, the Walt Canyon 5 Federal No. 1, which was plugged and abandoned on June 7, 1984. We plan to drill out plugs to 7300' and sidetrack around a 4-1/2" casing stub at 7266'-8005'. Our proposed total depth is 8600' and will be completed per the attached procedure.

Will utilize a fresh water mud system containing Drispac to control Mud Program:

BOP's and Hydril will be installed at the beginning of the re-entry BOP Program: and will be tested daily.

STD-8010

IN ABOVE SPACE DESCRIBE PROFOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive sone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. (Give blowout preventer program, if any.

SIGNED Daneel Roberto	TITLE Sr. Drilling Engineer	
(This space for Federal or State office use)		
APPROVED BY SI Scott Powers	APPROVAL DATE	DATE 11-4-93
APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND		
SPECIAL STIDULATIONS	*See Instructions On Reverse Side	

ATTACHED 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 se, fictitious or fraudulent statements or representation

Submit 'o Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies	Energy, Miner		New Mexico ral Resources	9 Depart	ment	Form C-102 Revised 1-1-
<u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM 88240		NSERVA P.O. Box Fe, New Me	2088		ſ	
DISTRICT_II P.O. Drawer DD. Artesia. NM 88210						
DISTRICT III 1900 Rio Brazos Rd., Aztec, NM 87410	WELL LOCAT All Distances	ION AND ACF must be from the o			LAT	
Operator SANTA FE ENERGY OPER	ATING PARTNERS, I	.P. Lease NAGOO	DLTEE PEAK "5	FEDERA	L	Well No. 1
Unit Letter Section J 5	Township 22 SOUTH	Range	24 EAST	NMPM	County	EDDY
Actual Footage Location of Well: 1633 feet from the SC		1636			the EAS	T
Ground Level Elev. Producing F	ormation	Pool	· · · · · · · · · · · · · · · · · · ·	feet from	theUAS	Dedicated Acreage:
4280.3' Uppe	r Penn		dian Basin (320 Acres
 3. If more than one lease of diffurnment of the second s	.? If answer is "yes" and tract descriptions	type of consolidat	tion y been consolidate	d. (Use reve	erse side of	
otherwise) or until a non-stand						nitization, forced-pooling
					I her contained her best of my k	TOR CERTIFICATION reby certify the the informatio rein is true and complete to the nowledge and bettef.
					Signature	all Polito
						Roberts
			l			lling Engineer
			1			Santa Fe Energy ng Partners. L.P.
			1		Date	Tuly 27, 1993
					SURVE	YOR CERTIFICATION
	ation is a dry e marker.				on this plat actual surve supervison,	tify that the well location show was plotted from field notes ys made by me or under a and that the same is true o the best of my knowledge of
		~		_	Date Surv	eyed JUNE 17, 1993
	+-		· +	<u></u>		& Seal of nal Surveyor
					Certificat	GARY L. JOANES
						PRONALD J. ENSON
0 330 660 990 1320 16	50 1980 2310 2640	2000 150	00 1000 50	0 0		93-1-1-

B District I PO Bigi 1980, Holius, NM 8 District II	88241-1980	Energ		State of Nev Is & Natural I			rtment	,		Revised I	Form C-104 February 10, 1994 structions on back	
PO Drawer DD, Artesia, NM District III	4 88211-0719	0		SERVAT		DIVIS	SION		Submit t	o Appropri	ate District Office 5 Copies	
000 Rio Brazos Rd., Aztec, District IV	, NM 87410		Santa	a Fe, NM	87504	-2088	l A ^{SA} L 2 A	Metel të	. ^{Ve.}	🗌 AME	NDED REPORT	
O Box 2088, Santa Fe, NM T	1 87504-2088 REQUES	T FOD					ND17 A '	TION T	<u></u>			
l		perator name a		ADLLA			PR 10			ID Number		
Santa Fe Energ	-				APR 1.0 (357 020305							
550 W. Texas,	Suite 133				Reason for Filing Code					de		
1idland, TX 7		η			5 Pool Na	me		39 59 6 6 722		<u>NW</u> 6 P	ool Code	
			India		sin (lloner Denn) Assoc						3685-	
<u>30-015-2</u> 7 Property Co		<u>}</u>	111010	8 P	ISIN (Upper Penn) Asso ⁸ Property Name			500.			all Number	
016774			Na	gooltee	tee Peak "5" Federal			<u> </u>		<u> </u>	2 3	
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	om Hole L				1562 North		1 120			Luuy		
UL or lot no. Section			Lot. Idn	Feet fro	om the	North/	South Line	Feet from	the Ea	st/West line	County	
	ducing Method (Connection	Date 15 C	-129 Pen	mit Num	ber	¹⁶ C-129 Ef	fective Date	17 C-1	29 Expiration Date	
F	<u>Р</u>						· · · · · · · · · · · · · · · · · · ·]		
II. Oil and Gas	I. Oil and Gas Transporters					,	21 O/G	1	22 POD U	LSTR Locatio	n	
OGRID		and Address						l	and Description			
138648 Amoco Pipeline ICT 502 Northwest Ave.			200000102	2811465 0 (N), Sec. 8, T-22S, R-24E Indian Basin Central Batter								
	_evelland									-		
025561 Yates Petroleum					28114	66	G	(N), S	ec. 8,	T-22S,	R-24E	
105 So. 4th Artesia, NM 88210								TURIAN	DdSIII	Central	Battery	
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					and the state of the state							
V. Produced V	Vater							20 7				
²³ POD				24 p	OD ULS	TR Loca	tion and De	scription				
W-ll Com	ation D-1											
V. Well Compl 25 Spud Date		26 Ready Date		27	²⁷ TD ²⁸ PBTD ²⁹ Perfc			rforations				
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8-3/4"			7" K-55)			3465'		650 s>	<u>("H" (</u> T	OC @ 7957')	
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4/11/97	4/11	/97		2/97	2	24 hrs ⁴³ Gas	5.		00		600	
⁴⁰ Choke Size	⁴¹ Oi		42 W 8		4			44 AC)F	⁴⁵ T	est Method	
N/A	14)96	l	1124		<u> </u>	/A	Sut	omersible	
⁶ I hereby certify that th omplied with and that th	e information give						OIL CO	NSERVA	TION D	VISION		
he best of my knowledge Signature:		nc (a	Doug	ん 🖍	pproved		ORIGIN	AL MORE	50 BV T	<u>. 14 14 GU</u>	94	
Printed name:	ugh		J	1	Fitle:		DISTRIC	CT !! SUF	EAVISO.		W	
Terry McCullou				A	pproval I							
Sr. Production	Clerk	Phone						APR 28	1997		<i></i>	
Date: 4/15/97			15/687-3									
⁴⁷ If this is a change of	operator fill in the	he OGRID nui	nber and nan	ne of the previ	ious opera	ator						
	Previous Operat	or Signature			Prin	ted Nam	0			Title	Date	

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LOCATION TO NEAREST 1,202 FT. PROPERTY OR LEASE LINE, FT. (Also to nearest drig, unit line, if any) .6 mi. N/East	OR DEEPEN OR DEEPEN AUG O. (La O.	L. 89.45/ C. D. HOFFICE 701 17. NO. C TO TI 20. ROTA	7. UNIT AGREEMENT NAME 8. FARMOR LEASE NAME, WELL NO. Nagooltee Peak "5" Federa 9. AN WELLNO. 2 10. FIELD AND FOOL, OF WILDCAT AND BURKET OF AREA. 33685 Sec. 5, T-22S, R-24E 12. COUNTY OF FARIER 13. STATE Eddy NM OF ACREE ASSIGNED HIS WELL 320 Ret OF CABLE TOOLS Rotary 22. AFFROX. DATE WORK WILL START [®] JULY 1, 1994		
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12-1/4" 9-5/8" 36.0 K-55	350'	.l	QUANTITY OF CEMENT		
all and a second se			x to circulate		
8-3/4" 7" 26.0 K-55	<u>2500'</u>		sx to circulate		
plugged and abandoned in a manner consistent programs as per Onshore Oil and Gas Order No. attachments: <u>Drilling Program</u> Exhibit A- Operations Plan Exhibit B- BOP and Choke	If non-produc with Federal 1 are outlin Exhibit	tive, Regula ied in F- Pl	the well will be tions. Specific		
Exhibit C- Drilling Fluid Program Exhibit D- Auxiliary Equipment Exhibit E- Topo Map of Location	H2S Dri	Surface Use and Operations /Plan H2S Drilling Operations Plan			
deepen directionally, give pertinent data on subsurface locations and measured and true vertical 24. BIGNED	Sr. Drillin	enter program	n, if any.		
(This space for Federal or State office use)			APPROVAL SUBJECT TO		
PERMIT NO	APPROVAL DATE		GENERAL REQUIREMENTS		
Application approval does not warrant or certify that the applicant holds legal or equitable title CONDITIONS OF APPROVAL, IF ANY:	le to those rights in the subjec	t less which	would excitle the application of the physical sectors of the sector of t		
(ORIG. SGD.) RICHARD L. MANUS	EA MANAGER	2	AUG 22. 1991		

*See Instructions On Reverse Side 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

Submit to the Appropriate District Office State Lease — 4 copies Fee Lease — 3 copies	State Energy, Minerals, and	of New Mexico Natural Resourc	es Departmen	Form C-1C Revised 1-1-E
<u>DISTRICT I</u> P. O. Box 1980 Hobbs, NM 88240 <u>DISTRICT II</u> P. O. Drawer DD Artesia, NM 88210		RVATION D 0. Box 2088 w Mexico 875		
	WELL LOCATION AN			
SANTA FE ENERGY			PEAK '5' F	
Unit Letter Section E 5 Actual Footage Location of Well	Township 22 SOUTH	Range 24 EAST,	N.M.P.M.	County EDDY
1562 feet from the	NORTH line an	a 1202	feet from	the WEST line
Ground Level Elev. Producing 1 4313'	Formation Cisco/Canyon	Pool Indian Roa	NSSOC	enn) 320 Acres
		· · · · · · · · · · · · · · · · · · ·	sin (Upper P	e marks on the plat below.
I Yes I N If the answer is "no the reverse side of No allowable will be	o", list the owners and t this form if neccessary. assigned to the well ur booling, or otherwise) or t	, type of consol ract descriptions w util all interests ha	idation hich have actu	ally been consolidated. (Use lidated (by communitization, ting such interest, has been OPERATOR CERTIFICATION
1562'				I hereby certify that the information herein is true and complete to the best of my knowledge and belief. Signature Dartel Polity Printed Name Darrell Roberts Position Division Drilling Eng. Company Santa Fe Energy, Operating Partners, L.P. Date June 2, 1994 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
0 330 660 990 1320 165	0 1980 2310 2640 200		500 0	Certificers No. V. L. BEZNER R.P.S. #7920

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NMEX EDDY	* 1230FSL	800FWL SEC	
SANTA FE ENERGY			spot DD
OPERATOR	NAGOOLTEE PEAK	'5' FEDERAI	ELL CLASS INIT *****FIN ****
	LEASE NAME		
4347GR OPER ELEV		FIELD/POOL/	
		WWWWWWWW PERMIT OR WEL	5-29900-0000
11/18/1997 12/ SPUD DATE			OIL
8500 PNSLVN U P.	ATTERSON DRLG	49	
PROJ. DEPTH ****** PROJ. FORM *** DTD 8500	PB 8427	FM/1	D CSCO-CYN
DRILLERS T.D.	D. PLUG BACK	TD OLD T.D	**************************************
17 MI W CARLSBAD			
17 HI W CARLOBAD	-		
	CASING/LINER		
CSG 13 3/8 @ 35 CSG 9 5/8 @ 162 CSG 7 @ 850	5 W/ 500 SACK	S	
CSG 7 @ 850	0 W/ 575 SACK	S	
	TUBING DA	TA	
TBG 2 7/8 AT	8356	- -	
	INITIAL P	OTENTIAL	
IPP1510BOPD 20			24HRS
CSCO-CYN PERF	W/ 2/	FT 8014- 834	
PERF 8014-8346 ACID 8014-8346	8000GALS		
	20% HCL		ADDTVGELA
ACID 8216- 8346			
ACID 7963- 8216	11500GALS 20%		
GTY 40.8 GOR 13	81		
FIELD	/RESERVOIR /PENNSYLVANIA	N U	

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COMPLETIONS SEC 5 TWP 22S RGE 24E 30-T-0017 06/26/98 30-015-29900-0000 PAGE 2						
SANTA FE ENERGY 3 NAGOOLTEE PEA	D DO K '5' FEDERAL					
TYPE FORMATION LTH TOP DEPTH	/SUB BSE DEPTH/SUB					
LOG SN ANDRS 1230 3117 LOG GLORIETA 2708 1639 LOG YESO 2936 1411 LOG BONE SPG 4902 -555 LOG BONE SP3 7225 -2878 LOG WOLFCAMP 7706 -3359 LOG CSCO-CYN 7950 -3603 SUBSEA MEASUREMENTS FROM GR						
LOGS AND SURVEYS /INTERVAL, TYPE/						
LOGS GR LOGS LDT	DLL CNL					
DRILLING PROGRESS DET	AILS					
13	WOCT REL 12/15/97 P 1510 BOPD, 2085 MCFGPD, 23 BWPD, GTY 40.8, GOR 81 YLVANIAN U 8014-8346					

Form 3160-5 (June 1990) SUNI Do not use this form for	UNITED DEPARTMENT O BUREAU OF LAN DRY NOTICES AND R proposals to drill or to	F THE INTERIOR D MANAGEMENT REPORTS ON WELLS	<u>311 S. 1st Stroot</u> <u>Ar.a.la, MM</u> 88210	SOII FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 2834case Designation and Serial No. NM-81217 6. If Indian. Allottee or Tribe Name
		MIT - " for such propos	als	
	SUBMIT IN	TRIPLICATE	28293031-723	7. If Unit of CA, Agreement Designation
Type of Well Gas Gas	1330, Midland, TX T., R., M., or Survey Descripti	79701 (915)687 (m) -22S, R-24E	DEC 1897 910 000 ACCENED 10 40100 10 1000 100 10	8. Well Name and No. Nagooltee Peak "5" Federal #3 9. API Well No. <u>30 -015-79900</u> 10. Field and Pool, or exploratory Area Indian Basin (Upper Penn) 11. County or Parish, State
				Eddy NM
12. CHECK APPR	OPRIATE BOX(s) TO	D INDICATE NATURE	OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMIS	SION	······································	TYPE OF ACTION	
Notice of Intent		Abandonme		Change of Plans New Construction
X Subsequent Rep	ort	Recompletio		Non-Routine Fracturing
Final Abandonn	nent Notice	Casing Repa Altering Cas X Other	ir	Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of nultiple completion on Well Completion or Recompletion Report and Log form.)
13. Describe Proposed or Completed O	perations (Clearly state all pertin	ent details, and give pertinent date	s, including estimated date of startin	ng any proposed work. If well is directionally drilled
-	./2" hole at 5:00 p.	pths for all markers and zones per m. Drlg ahead.	unent to this work.)*	
set at 355'. RU BJ	and cement w/ 100 s	x C1 "H" containing	nd ran 8 jts 13-3/8" - 10# Gilsonite, 2% Ca t 12:00 p.m., did not	

Amos w/ BLM on location. RIH w/ 1", tag centralizer @ 140'. Cement thru 1" w/ 200 sx Cl "C" + 3% CaCl2. did not circulate. WOC. RIH w/ 1" to 140', pumped 50 sx Cl "C" + 6% CaCl2. cmt did not circ. WOC. RIH w/ 1" to 80', pumped 50 sx Cl "C" + 4% CaCl2. cmt did not circ. WOC. RIH w/ 1" to 47', pumped 25 sx Cl "C" + 3% CaCl2, plug down at 12:00 a.m. 11/21/97. Circ'd to surface.

11/21/97: WOC. Cut casing off and weld on flow nipple. Patterson Drilling working on mouse hole. PU BHA and TIH. Drld cmt plug 305'-355'. Work on mouse hole.

11/22/97: Work on mouse hole. Resume dri	lling oper		TOB RECORD	the second s	
14. Thereby certify that the foregoing is true and correct Signed	Title <u>Sr. F</u>	roduction clerk	1997	Date <u>11/25/97</u>	
(This space for Federal State office use) Approved by Conditions of approval, if any:	Title	(CRIG SGD.) G	ARY GOURLEY	i Dife	

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.

6			N	M. Oil Cons. 1	Nivision			
arm 3160-3 FORM APPROVED								
UNITED STATES ARTESIA, NM 85210-2834 Expires: February 28, 1995								
BUREAU OF LAND MANAGEMENT 5. LEASE DESIGNATION AND BEBIAL NO. NM 81217								
APPL	ICATION FOR PI	ERMIT TO	DRIL	LOR DEEPEN		G. IF INDIAN, ALLOTTER OR TRIBE NAME		
1a. TYPE OF WORK DRILL X DEEPEN 7. UNIT AGREEMENT NAME								
b. TYPE OF WELL OIL WELL X						S. FARM OR LEASE NAME, WELL NO.		
. NAME OF OPERATOR Santa Fe Energy Res	_			A25201	18 29 30 3	Nagooltee Peak "5" Fed #3		
ADDRESS AND TELEPHONE NO.		20305)		1	8. API WELL NO.		
	1330; Midland, Texas 7			<u>\2' OCT '</u>		10. FIELD AND POOL, OR WILDCAT		
4. LOCATION OF WELL (Report location clearly and in accordance with any State referements RECEIVED At surface (M) 1230' FSL & 800' FWL At proposed prod. zone 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED								
	AND DIRECTION FROM NEAR f Carlsbad, New Mexico	EST TOWN OR POS	T OFFIC		121404	12. COUNTY OR PARISH 13. STATE Eddy New Mexico		
5. DISTANCE FROM PROP	USED*		16. NO	D. OF ACRES IN LEASE	17. NO. 01	FACEES ASSIGNED		
LOCATION TO NEARES PROPERTY OR LEASE (Also to dearest dr)		800'		640	то тн	IS WELL 320		
TO NEAREST WELL, I	ISTANCE FROM FROPOSED LOCATION [®] 0 NEAREST WELL, DRILLING, COMPLETED, 19. 2520 19. 2520			8500'	20. ROTAR	ARY OR CABLE TOULS Rotary		
	ether DF, RT, GR, etc.)		•			22. APPROX. DATE WOBE WILL START®		
'4347' GR						October 25, 1997		
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER F		D CEMENTING PROGRA	M 	QUANTITY OF CEMENT		
12 3/4"	K-55 9 5/8"	36#		1600'	775 sx to			
8 3/4"	K-55 7"	26#		8500'	400 sx to			
 productive, 7" casing in a manner consiste and Gas Order No. Drilling Program Exhibit A - Opera Exhibit B - BOP a Exhibit C - Drillin Exhibit D - Auxili Exhibit E - Topo I Santa Fe Energy Re 	nd Choke Schematic ng Fluid Program iary Equipment	on-productive, th ons. Specific pr wing attachment NSL applicable terms	he well ograms ts:	will be plugged and as per Onshore Oil Exhi Exhi Exhi Surfa H2S ions, stipulations and	bit F (A) - 1 bit G - Wel ace Use and	BUREAU OF SEP Plan ROS WE Existing Wells Plat of Location 1 Site Layour Operations Plan perations Plan		
			give data		and proposed	new productive zone. If proposal is to drill or if any.		
SIGNED AMOD	Chil Stinios	<u></u>		Agent for Santa Fe En	ergy	DATE 9.22.97		
(This space for Fed	eral or State office use)							
PERMIT NO Application approval does CONDITIONS OF APPROVA	not warrant or certify that the app	plicant holds legal or e		APPROVAL DATE	lease which we	build entitle the applicant to conduct operations the		
APPROVED BY (OFI	g. SGD.) John S. S	SIMITZ	Aci	ING ADM, MINER	ALS	_ DATE 23.97		
		*See Instru	uctions	Oh Reverse Side				

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.

Image: State of the second states of the	DISTRICT I P. O. Box 1 Hobbs, NM		-1980	Energy, M			New Mexico tural Resour	rces Departme	ent	Revised	orm C-102 02-10-94 ns on back	
Atter, NM 37410 Salta Fe, New Metico 5/504-2098 ARENDED REPORT DISTRICT_V Pool 60x 2088 The AM 37507-2088 The AM 37507-2088 The AM 37507-2088 *ATTER, NM 37507-2088 *Fool 62x *Pool 62x Fend 62x *Fool 62x *ATTER, NM 37507-2088 *Fool 62x *Pool 62x *Fool 62x **SUBACE 1000 *Fool 62x *Superior 8xme *ARGUL TEE PEAK '5' FEDERAL 3 *GRUD Me. *Superior 8xme *SURFACE LOCATION 4347' U or 1st mal Section Yearstize 8xme SANTA FE ENERGY RESDURCES, INC. 4347' U or 1st mal 5 25 200TH 24 26X7, NALP.M. Int Ma 18 200' SOUTH 800' W or 1st mal 5 25 200TH 24 26X7, NALP.M. Int Ma 18 200' SOUTH 800' WEST EDDV W or 1st mal 5 25 00TH 24 26X7, NALP.M. Int Ma 18 200' SOUTH 800' WEST EDDV W or 1st male Yearstize 70 100' Int Ma 18 200' SOUTH 800' WEST EDDV W or 1st male Yearstize 70' SUBACE 100CATION Int Feet From the 18 210'// West Hat 100'// WEST EDDV W or 1st male Restrict	P. O. Drawer DD Artesia, NM 88211-0719 DISTRICT III DISTRICT III DISTRICT III DISTRICT III DISTRICT III DISTRICT III DISTRICT III DISTRICT III DISTRICT DISCONSERVATION DIVISION P. O. Box 2088							4 copies				
F. O. BOX 7088 Sonto Fe, NM 87507-2083 WELL LOCATION AND ACREAGE DEDICATION PLAT *Aff Number -79.040 Indian Basin (Upper Penn) *Foll Number *Property Code * Property Name NAGUILITEE PEAK '5' FEDERAL 3 * Tolkin M. * Operator Name NAGUILITEE PEAK '5' FEDERAL 3 * Tolkin M. * Operator Name SANTA FE ENERGY RESDURCES, INC. * Elevation * ORBID M. * Operator Name SANTA FE ENERGY RESDURCES, INC. * Elevation * U or but and Section Tormahy Read for the Name * SURFACE LOCATION # Bast / Mat is Work/South line Read/Feat line County * BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE * * Edit is Peet from the North/South line Read/Feat line County * Dedicated Acres * Joints or Infill * Consolidation Code * Order No. * OPERATOR CERTIFICATION * Dedicated Acres * Joints or Infill * Consolidation Code * Order No. * OPERATOR CERTIFICATION * Dedicated Acres * Joint or Infill * Consolidation Code * Order No. * OPERATOR CERTIFICATION * Dedicated Acres * Joint or Non-STANDARD UNIT HAS BEEN APP	Aztec, NM 8	7410	Ka .	Sar	ita Fe,	New 1	dexico 87	504-2088	[AMENDED	REPORT	
3D -115 - 29900 Indian Basin (Upper Pann) * Property Code * Froperty Name * NAGUDLTEE PEAK *5' FEDERAL * Wall Number * GORD No. * Operator Name SANTA FE ENERGY RESDURCES, INC. # Sleration * SURFACE LOCATION * SURFACE LOCATION # Sleration 4347' * U or ist no. 5 22 SOUTH 24 Basy SOUTH 5 SOUTH E DOC * BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE * BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE County * BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE * SOUTH County * BOTTOM HOLE LOCATION IF DIFFERENT PROM SURFACE * South/South lass Feet from the Earl/Fest line County * BOTTOM HOLE LOCATION IF DIFFERENT PROM SURFACE * South/South lass Feet from the Earl/Fest line County * BOTTOM HOLE LOCATION IF DIFFERENT PROM SURFACE * South and the south and	P. O. Box 2	2088	07-2088 ₩	ELL LOC	ATION A	ND A	CREAGE DI	EDICATION 1	PLAT			
Property Code Property Name NAGDDLTEE PEAK *5' FEDERAL S Construct of the section of the s		15-2	29900			3 Poo		an Basin (U	(pper Penn)			
TOCHUD No. * Operator Name SANTA FE ENERGY RESUURCES, INC. * Elevation "SURFACE LOCATION "SURFACE LOCATION 4347" UL or lot no. Section Townhip Range Lot 146 Peet from the East/West line County "BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE "BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE West EDDY "Dedicated dress "Joint II" Councildation Code *8 Order No. North/South line Feet from the East/West line County "Dedicated dress "Joint II" Councildation Code *8 Order No. North/South line Feet from the first from the information 320 NO ALLOWADLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION " CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED HY THE DIVISION " OPERATOR CERTIFICATION / A non-STANDARD UNIT HAS BEEN APPROVED HY THE DIVISION " Printed Marked or and hold for some some of the first order or order or non-some of the first order or order or non-some of the first order or order or non-some order or order or non-some order or or				ame	-	TFF P	FAK 151 F			_		
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contained herein is true and complete i the best of my knowledge and beliet. Signaturer Printed Name James P. "Phil" Stinson Title Agent for Santa Fe Energy Bate P. "Z2.97 SURVEYOR CERTIFICATION / hereby certify that the well location shown on this plat was platted 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. Bate of Survey Signature and Schl at 00" 1230' 1230' 1230' ROGER M. 'ROBEINS, 'P.S. #12128			<u> </u>	111111	N N							
Signature Induction for the second secon			, ,						contained her	ein is true and	complete	
Image P. "Phil" Stinson Tule Agent for Santa Fe Energy Bate 9.22.97 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plot was plotted fram 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 SEPTEMBER 8, 1997 Signature and Seal of '2 Professional Survey: 1230' 1230'									· · · · · · · · · · · · · · · · · · ·	my knowledge a	nd belief.	
James P. "Phil" Stinson Title Agent for Santa Fe Energy Date 9.727.97 SURVEYOR CERTIFICATION 1 hereby certify that the well location shown on this plat was plated 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 Survey SEPTEMBER 8, 1997 Signature and Scal of 9 Professional Surveys 1230' 1230'			1						times 1	Thibstins	an	
Agent for Santa Fe Energy Date 9.22.97 SURVEYOR CERTIFICATION 1 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 Surrey SEPTEMBER 8, 1997 Signature and Seal of Professional Surreyof For supervisional Surreyof Ceruitace Not ROGER M. ROBEINS, P.S. #12128					Ni Ni H				James P. "I	Phil" Stins	on	
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800'- 1230' Ceruiticate No' ROGER M. ROBBINS P.S. #12128									-			
1230' Certificate No. ROGER M. ROBBINS, P.S. #12128		· •***	 +				 +		Signature and	Scal of 29		
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ROGER M. ROBBINS P.S. #12128		1230'							Continue No	M. Rol	1	
				<u>N. 1997</u>			i 		ROGER M. R	OBBINS P.S.		

Eorm 3100-3 (July 1992)	811 S. 11 ARTESIA, NM	88210-2634	SUBMIT IN T (Other instru	TORM ATROVED					
"(July 1992)	UNI DEPARTMEN	Ide) Expires: February 28, 1995 5. LEASE DESIGNATION AND BERIAL NO. NM 81217							
AD				G. IF INDIAN, ALLOTTED OR TRIBE NAME					
AP 1a. TIPE OF WORK	PLICATION FOR P	ERMIT TO DRIL	L OR DEEPEN						
b. TIPE OF WELL		DEEPEN		7. UNIT AGREEMENT NAME					
OIL WELL - 2. NAME OF OPERAT Santa Fe Energy	OAS WELL OTHER OB Y Resources, Inc.	δ. FARM OR LEASE NAMB-WELL NO. Nagooltee'Peak "5" Fed Com #4							
3. ADDRESS AND TELEPHO	· · · · · · · · · · · · · · · · · · ·	20305		9. AT WELL NO. 30-015 - 30488					
550 W. Texas, Suite 1330; Midland, Texas 79701199572-703 4. LOCATION OF WELL (Report location clearly and in accordance with some requirements.*) At surface (Lot 2) 610' FNL & 1900' FEL BY STATE 10. FIELD AND FOOL, OR WILDCAT 37685 10. FIELD AND FOOL, OR WILDCAT 37685 11. SEC., T., R., M., OR BLE. AND SUBVEY OF AREA									
At proposed proc	UnitB			Sec. 5, T-22-S, R-24-E					
16 3/4 miles w	est of Carlsbad, New Mexico		E	12. COUNTY OR PARISH 13. STATE Eddy NM					
	AREST ASE LINE, FT. t drig. unit line, if any)	610'	640-652.86	17. NO. OF ACRES ASSIGNED TO THIS WELL 320-377,88					
TO NEAREST WE	FROFOSED LOCATION* ILL, DRILLING, COMPLETED, IN THIS LEASE, FT.	20. ROTARY OB CABLE TOULS							
•	w whether DF, RT, GR, etc.)	22. APPROL DATE WORK WILL START*							
4248° GK October 26, 1998									
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8 3/4"	K-55 7"	26#	8500'	400 sx.to circulate TOC @ 6000'					
We propose to drill to a depth sufficient to test the Cisco/Canyon formation for oil. If productive, 7" casing will be run to TD. if non-productive, the well will be plugged and in a manner consistent with Federal Regulations. Specific programs as per Onshore Oil and Gas Order No. 1 are outlined in the following attachments:									
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*See Instructions On Reverse Side

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.

DISTRICT I P. D. Box 1980 Hobbs, NM 88241-1980

DISTRICT II P. O. Drower DD Artesia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd. Aztec, NM 87410

DISTRICT IV P. O. Box 2088 Sonto Fe, NM 87507-2088 WELL LOCATION AN

State of New Mexico Energy, Minerals, and Natural Resources Department Form C-102 Revised 02-10-94 Instructions on back

Submit to the Appropriate District Office State Lease — 4 copies Fee Lease — 3 copies

OIL CONSERVATION DIVISION P. 0. Box 2088 Santa Fe, New Mexico 87504-2088

AMENDED REPORT

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ENGINEERING BUREAU (505) 827-7131 (OFFICE) (505) 827-1389 (FAX) PLEASE DELIVER THIS FAX TO:

Na south Rick S Fellow # Sos) 827-8185 lacis 2-(INCLUDING COVER SHEET) - mersy Wasowes E STOSMOL 2-1-99 SUBJECT: **PAGES:** FROM: **DATE:** TO:

IF YOU HAVE ANY PROBLEMS RECEIVING THIS FAX, PLEASE CALL THE OFFICE NUMBER ABOVE.

TRANSMITTAL COVER SHEET

OIL CONSERVATION DIVISION



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

February 1, 1999

1 C S S

Santa Fe Energy Resources, Inc. c/o James Bruce P. O. Box 1056 Santa Fe, New Mexico 87504 Telefax No. (505) 982-2151

RE: Administrative application of Santa Fe Energy Resources, Inc. to drill its Nagoolte Peak "5" Federal Com. Well No. 5 (API No. 30-015-30558) at an unorthodox gas well location 2045 feet from the South line and 2200 feet from the West line (Unit K) of Section 5, Township 22 South, Range 24 East, NMPM, Eddy County, New Mexico. The existing standard 320-acre spacing and proration unit within the Indian Basin-Upper Pennsylvanian Associated Pool comprising the S/2 of Section 5 is to be dedicated to this well.

Dear Mr. Bruce:

In reviewing the subject application I find that additional data is needed to properly prepare an administrative order. There appear to be six wells within Section 5 that are drilled to and/or completed within the Upper Pennsylvanian interval. For each of these wells please indicate its status, proper dedicated acreage (with a copy of each C-102), and any previous order associated with the well.

Thank you for your assistance in this matter.

Sincerely.

Michael E. Stogner Chief Hearing Officer/Engineer

MES/kv

cc: New Mexico Oil Conservation Division - Artesia U. S. Bureau of Land Management – Carlsbad

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••, `		ABOVE THIS LINE FOR DIVISION USE ONLY
· 		NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -
-		ADMINISTRATIVE APPLICATION COVERSHEET
	THIS	COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS
		ns: [NSP-Non-Standard Proration Unit] (NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] IC-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] OR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
	[A] Ch	eck One Only for [B] or [C]
	[B] [C]	DHC CTB PLC PC OLS OLM
* van 1	[2] NOTIFIC	ATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners
	[B]	Offset Operators, Leaseholders or Surface Owner
	[C]	Application is One Which Requires Published Legal Notice
	[D]	U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
	[E]	General of the above, Proof of Notification or Publication is Attached, and/or,
	IFI	U Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

JAMES BRUCE P.O. BOX 1056 SANTA FE, NM 87504	Langer Paule	y an individual with supervisory capacity, Attorney of Applic	aux 2/8/99
Print or Type Name	Signature	Title	Date

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)

February 8, 1999

Hand Delivered

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

Dear Mr. Stogner:

Pursuant to Division Rules 104.F(2) and 104.D(2), Santa Fe Energy Resources, Inc. ("Santa Fe") applies for administrative approval of an unorthodox location and non-standard proration unit for the following well:

Nagoolte Peak "5" Fed. Com. Well No. 4 610 feet FSL & 1900 feet FEL N½ §5, Township 22 South, Range 24 East, NMPM Eddy County, New Mexico

Santa Fe plans to drill the well to a depth sufficient to test the Upper Pennsylvanian formation (Indian Basin-Upper Pennsylvanian Associated Pool). Under Order No. R-9922, as amended, well spacing is 320 acres, with wells to be no closer than 660 feet to the outer boundary of the unit, and no closer than 330 feet to a quarterquarter section line. An APD and Form C-102 for the well are attached as Exhibits A and B.

The proposed location is based on topographic and geologic reasons. Attached as Exhibit C is a topographic map. The Bureau of Land Management required Santa Fe to move the well slightly north of an orthodox location to stay in the center of the flat area marked by the 4200' contour line. Attached as Exhibit D is a structure map of the Cisco/Canyon dolomite, showing that a well at the proposed location has a favorable structural position, thus minimizing the risk involved in drilling the well.

Attached as Exhibit E is a land plat of the area. Santa Fe operates all of Section 32 to the north, and is the only affected offset. As a result, notice has not been mailed to anyone.

The N½ of Section 5 is comprised of Lots 1-4 and the S½N½, comprising 372.88 acres, and thus Santa Fe requests a non-standard proration unit for the well.

In connection with an unorthodox location application for the Nagoolte Peak "5" Fed. Com. Well No. 5, you requested additional information on certain wells in Section 5. A copy of my response letter is attached to this application.

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

Very truly yours,

a

MI James Bruce

Attorney for Santa Fe Energy Resources, Inc.

	Form 3160-3 (July 1992)	DEPARTMENT	88210-2634 ED STATES OF THE INTE		tions on de)	FORM APPROVED OMB NO. 1004-0136 Expires: February 28, 199: LEARE DEGIGNATION AND DEBIA NM 81217	
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*See Instructions On Reverse Side

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 froudulant statements of any other statements of the statement of the stateme

DISTRICT I P. O. Box 1980 , Hobbs, NM 88241-1980

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State of New Mexico Energy, Minerals, and Natural Resources Department

Form C-102 Revised 02-10-94

instructions on back

Submit to the Appropriate District Office State Lease — 4 copies Fee Lease — 3 copies

AMENDED REPORT

DISTRICT II P. O. Drower DD Artesia, NM 88211-0719

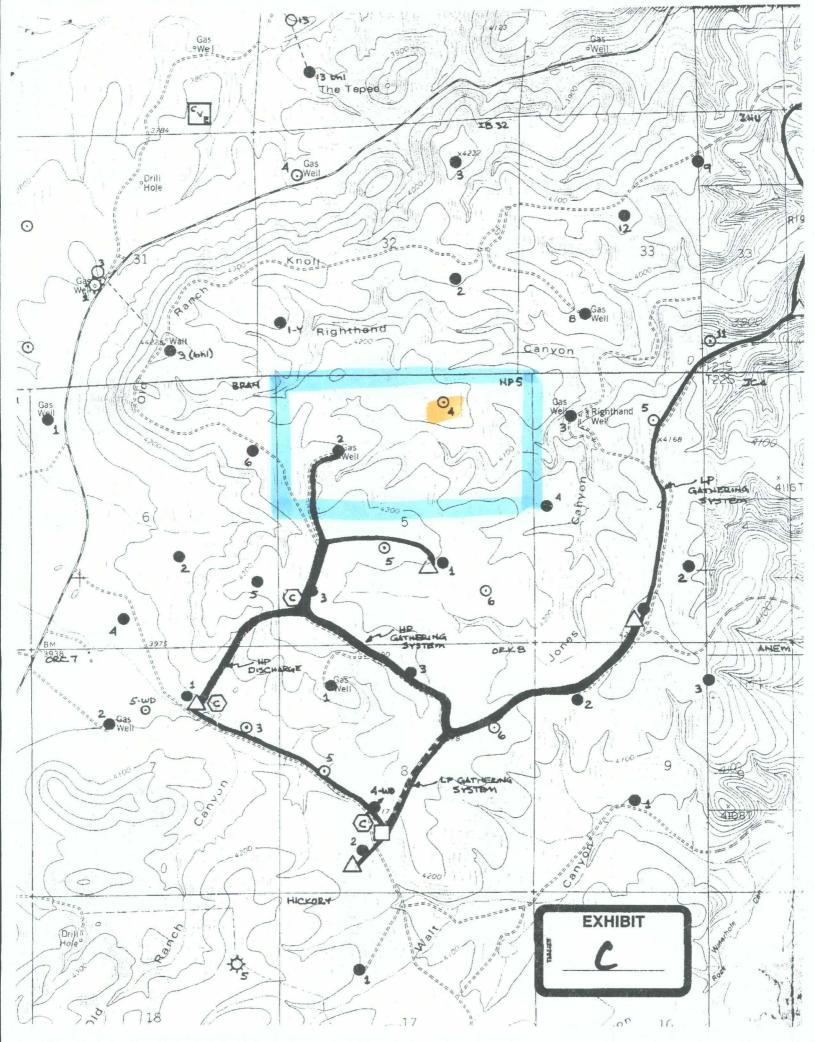
DISTRICT III 1000 Rio Brozos Rd. Aztec, NM 87410

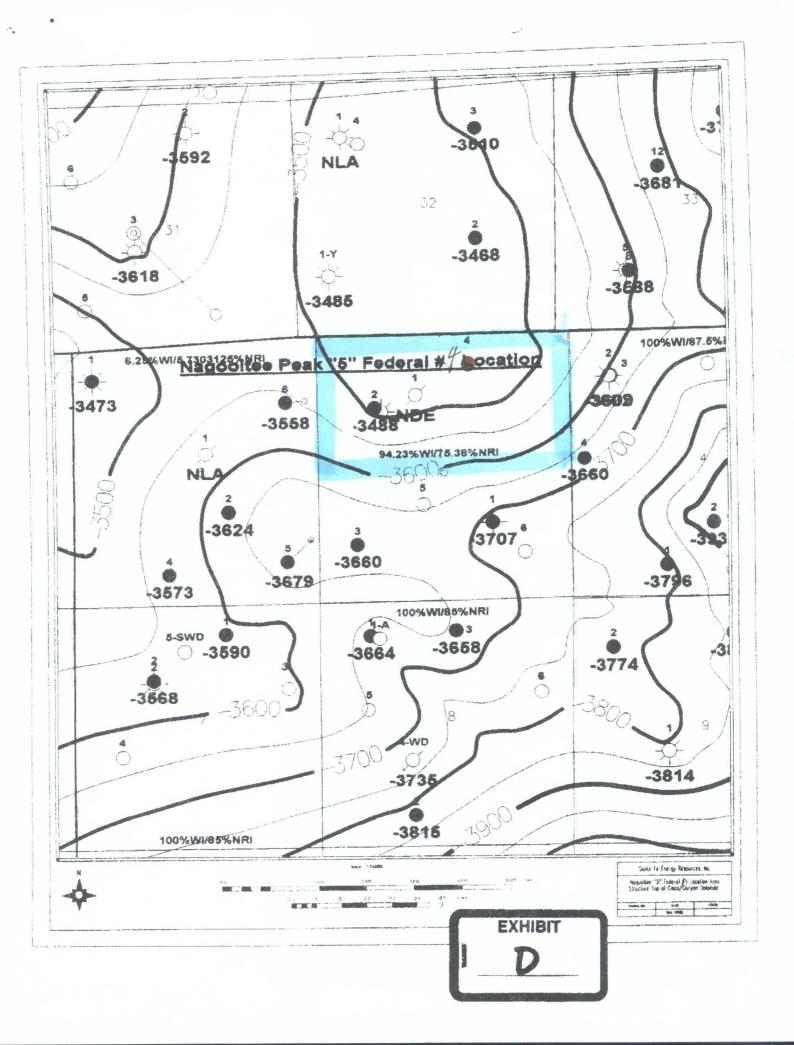
DISTRICT IV P. O. 80x 2088 Sonto Fe, NM 87507-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT

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OIL CONSERVATION DIVISION Santa Fe, New Mexico 87504-2088





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Appli	(P	[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] C-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] Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	[A]	PPLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling NSL NSP One Only for [B] or [C] Commingling - Storage - Measurement DHC CTB PLC PC OLS FOLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
[2]	NOTIFICAT [A]	TION REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners
	[B]	Gifset 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]	G Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

JAMES BRUCE P.O. BOX 1056 SANTA FE, NM 87504		dividual with supervisory capacity.	2/. 100
Print or Type Name	Signature	Title	Date

JAMES BRUCE

ATTORNEY AT LAW

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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)

February 11, 1999

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") applies for administrative approval of an unorthodox location for the following well:

Nagoolte Peak "5" Fed. Com. Well No. 3 1230 feet FSL & 800 feet FWL S½ §5, Township 22 South, Range 24 East, NMPM Eddy County, New Mexico

Santa Fe has drilled and completed the well in the Indian Basin-Upper Pennsylvanian Associated Pool. Under Order No. R-9922, as amended, well spacing is 320 acres, with wells to be no closer than 660 feet to the outer boundary of the unit, and no closer than 330 feet to a quarter-quarter section line. An APD and Form C-102 for the well are attached as Exhibits A and B.

The location is based on topographic reasons. Attached as Exhibit C is a topographic map. The Bureau of Land Management required Santa Fe to move the well north from an orthodox location to stay near an existing road (to minimize surface disturbance), and in the center of the flat area marked by the 4300' contour line.

Attached as Exhibit D is a land plat of the area. Santa Fe operates all of Section 5, and is the only affected offset. As a result, notice has not been mailed to anyone.

In connection with an unorthodox location application for the Nagoolte Peak "5" Fed. Com. Well No. 5, you requested additional information on certain wells in Section 5. A copy of my response letter is attached to this application.

<u>Please note that this well has been drilled and completed</u>. A copy of the completion report is attached as Exhibit E. We do not know why an application for an unorthodox location was not previously filed. This application is submitted to correct that error.

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

Very truly yours,

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James Bruce Attorney for Santa Fe Energy Resources, Inc.

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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 inrisilicition.

FE9-D8-99 10:34 From: SANTA FE ENERGY RESOURCES DISTRICT 1 P. O. Box 1980 Hobbs. NN 88241-1980 State of New Mexico Energy Minerals, and Natural Resources Depar. out

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Revised 02-10-94 instructions on beek

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KN AMENDED REPORT

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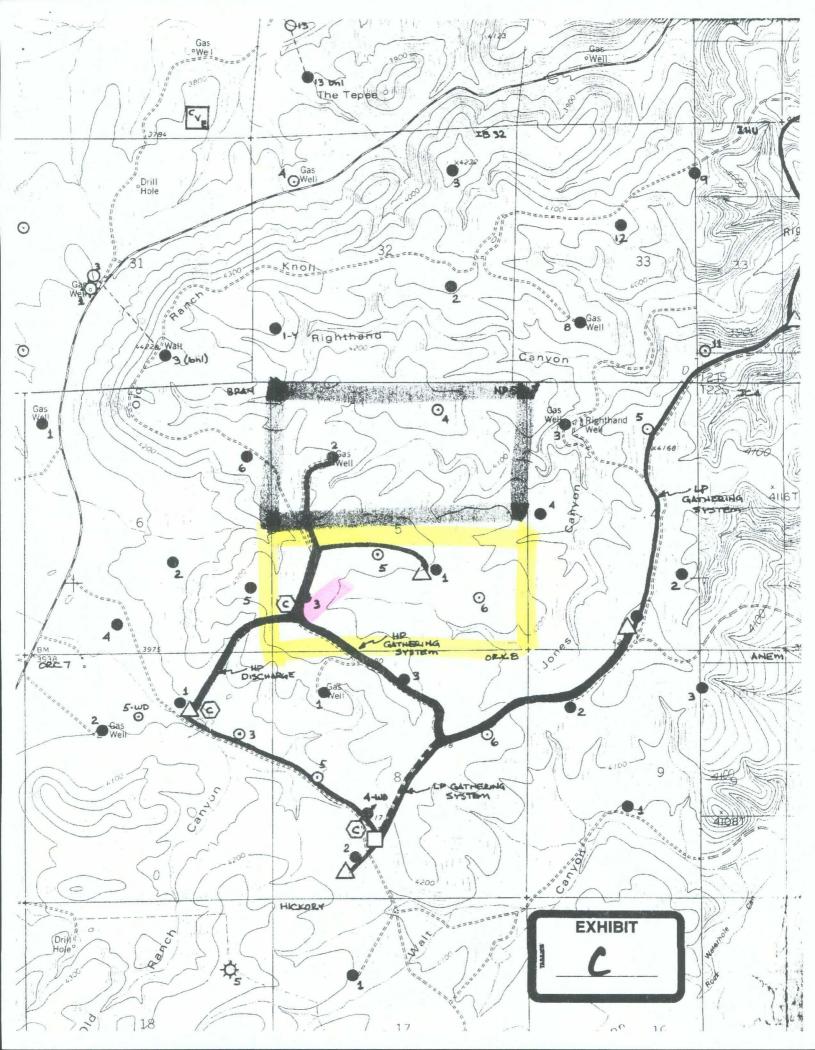
DISTRICT III 1000 Rio Brezos Rd. Aztec, NM 87410

DISTRICT. IV P. O. Box 2088 Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

OIL CONSERVATION DIVISION P. O. Bor 8088 Santa Fe, New Mexico 87504-2088

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Tide 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 faise. fictitious or fraudulent statements or representations as to any matter within its jurisdicton.



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DECEMBER 16, 1997

WELL NAME AND NUMBER:NAGOOLTEE PEAK "5" FED #13LOCATION:Sec. 5 T22S R24EOPERATOR:SANTA FE ENERGY RESOURCESDRILLING CONTRACTOR:PATTERSON DRILLING

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

DEGREE AND DEPTH		DEGREE AND DEPTH		DEGREE AND DEPTH	
1.75	148	0.75	4286	0.50	7044
0.75	238	1.25	4532	0.50	7315
0.75	355	0.75	4783	1.00	7608
1.00	680	1.00	5090	1.00	7888
1.00	825	1.00	5478	1.00	8266
1.25	1320	1.25	5757	0.25	8500
1.25	1813	1.75	5914		
1.00	2310	1.50	61 32		
1.25	2787	1.00	6382		
0.75	3287	1.00	6604		
0.75	3790	0.75	6910		

Drilling Contractor: Patterson Drilling

Billy Jersen By: ____

Subscribed and sworn to before me this 16th day of Dec. 1997.

My Commission Expires: June 30, 2001

Henson กรอก