

**HINKLE, COX, EATON, COFFIELD & HENSLEY,  
L.L.P.**

**ATTORNEYS AT LAW**

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\*NOT LICENSED IN NEW MEXICO

June 4, 1996

**RECEIVED**  
JUN 4 1996

**VIA HAND DELIVERY**

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

Oil Conservation Division

Dear Mr. Stogner:

Santa Fe Energy Resources, Inc. hereby requests administrative approval of an unorthodox gas well location for the following well:

Indian Basin "F" Well No. 2  
1115 feet FSL and 2055 feet FEL  
Section 25, Township 21 South, Range 23 East  
Eddy County, New Mexico

The well will be drilled to a depth sufficient to test the Morrow formation (Indian Basin - Morrow Gas Pool). The special pool rules for said pool require 640 acre spacing, with a well to be located no closer than 1650 feet to the exterior of the well unit and no closer than 330 feet to a quarter-quarter section line. All of Section 25 will be dedicated to the well.

The well location is based upon topographic and geologic factors. The following information is submitted in support of the application.

1. APD: The Application for Permit to Drill, approved by the Bureau of Land Management, is marked Exhibit A. The well location was moved after the APD was submitted, and an approved Sundry Notice regarding the location change is submitted as Exhibit B. Page 2 of Exhibit B is the Form C-102 with the surveyed well location. The location is unorthodox because it is: (a) too close to the well unit's exterior boundary; and (b) only 205 feet from a quarter-quarter section line.

POST OFFICE BOX 10  
ROSWELL, NEW MEXICO 88202  
(505) 622-6510  
FAX (505) 623-9332

POST OFFICE BOX 3580  
MIDLAND, TEXAS 79702  
(915) 683-4691  
FAX (915) 683-6518

POST OFFICE BOX 9238  
AMARILLO, TEXAS 79105  
(806) 372-5569  
FAX (806) 372-9761

POST OFFICE BOX 2043  
ALBUQUERQUE, NEW MEXICO 87103  
(505) 768-1500  
FAX (505) 768-1529

401 W. 15TH STREET, SUITE 800  
AUSTIN, TEXAS 78701  
(512) 476-7137  
FAX (512) 476-5431

Mr. Michael E. Stogner  
June 4, 1996  
Page 2

2. Land Information: A land plat is submitted as Exhibit C. The affected offset acreage is Section 36-21S-23E (to the South). The names and addresses of the lessees of that Section are:

Oryx Energy Company (lessee and operator)  
Post Office Box 2880  
Dallas, Texas 75221-2880

Marathon Oil Company (lessee)  
Post Office Box 552  
Midland, Texas 79702

Section 31-21S-24E could possibly be considered affected by the application. The operator of that section is:

Kerr-McGee Corporation  
Post Office Box 25861  
Oklahoma City, Oklahoma 73125

Information on offsets is from Division well files and the records of the Clerk of Eddy County, and is current and correct.

3. Topographic Information: There are draws and arroyos running through Section 25 which limit well locations in the section. To place the well on level ground outside of the arroyos, it was moved to the south of a standard location. The draws and arroyos are highlighted in yellow on page 4 of Exhibit B. The proposed location will also minimize road construction, due to the location of roads to existing wells.

4. Geology: Attached as Exhibit D is a net sand isopach of the Lower Morrow. In order to maximize net sand thickness, the well needs to be located in the NW¼ or SE¼ of Section 25. However, based on topographical factors, it is better to place the well in the SE¼ of Section 25.

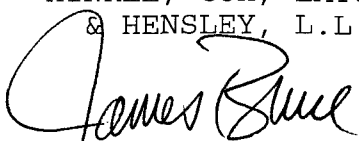
5. Notice: Notice to the offsets was provided on the date of this letter. Submitted as Exhibit E is an affidavit of notice with the notice letter attached thereto.

Mr. Michael E. Stogner  
June 4, 1996  
Page 3

For the foregoing reasons, Santa Fe Energy Resources, Inc. requests that the above unorthodox gas well location be approved. This application is submitted in triplicate.

Very truly yours,

HINKLE, COX, EATON, COFFIELD  
& HENSLEY, L.L.P.

A handwritten signature in black ink, appearing to read "James Bruce". The signature is written in a cursive style with a large, looping initial "J".

James Bruce

Attorneys for Santa Fe Energy  
Resources, Inc.

JB/bc

Enclosures

cc: D. C. Bianchi

**OPERATOR'S COPY**  
**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**

FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

<b>1a. TYPE OF WORK</b> <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> NM-070522 - A 12
<b>b. TYPE OF WELL</b> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b>
<b>2. NAME OF OPERATOR</b> Santa Fe Energy Resources, Inc.		<b>7. UNIT AGREEMENT NAME</b>
<b>3. ADDRESS AND TELEPHONE NO.</b> 550 W. Texas, Suite 1330; Midland, Texas 79701 (915) 682-6373		<b>8. FARMOR LEASE NAME, WELL NO.</b> Indian Basin "F" #2
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements) At surface 115' 2055' A (O) 1140' FSL & 1880' FEL At proposed prod. zone		<b>9. AN WELL NO.</b>
<b>14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE</b> 17 1/2 miles west of Carlsbad, New Mexico		<b>10. FIELD AND POOL, OR WILDCAT</b> Indian Basin Morrow
<b>16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.</b> (Also to nearest drilg. unit line, if any) 1140'		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> Sec. 25, T-21-S, R-23-E
<b>18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.</b> 1879'		<b>12. COUNTY OR PARISH</b> Eddy
<b>20. NO. OF ACRES ASSIGNED TO THIS WELL</b> 320		<b>13. STATE</b> New Mexico
<b>22. APPROX. DATE WORK WILL START</b> May 1, 1996		<b>19. PROPOSED DEPTH</b> 9650'
<b>21. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 3796' GR: 3797'		<b>20. ROTARY OR CARLH TOOLS</b> Rotary

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	K-55 9 5/8"	36.0	1200'	575 sx to circulate
8 3/4"	K-55 & L-80 7"	26.0	9650'	680 sx TOC @ 6000'

We propose to drill to a depth sufficient to test the Morrow formation for gas. If productive, 7" casing will be run to TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal Regulations. Specific programs as per Onshore Oil and Gas Order No. 1 are outlined in the following attachments:

**Drilling Program**

Exhibit A - Operations Plan  
Exhibit B - BOP and Choke Manifold  
Exhibit C - Drilling Fluid Program  
Exhibit D - Auxiliary Equipment  
Exhibit E - Topo Map at Location

Exhibit F - Map Showing Existing Wells  
Exhibit F (A) - Plat of Location  
Exhibit G - Well Site Layout  
Surface Use and Operations Plan  
H26 Drilling Operations Plan

Santa Fe Energy Resources, Inc. accepts all applicable terms, conditions, stipulations and restrictions concerning operations conducted on the leased land or portion thereof, as described above.

Bond Coverage: Blanket Bond

BLM Bond File No.: MT 0750

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone 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.

SIGNER: James G. Olden TITLE: Agent for Santa Fe Energy DATE: 3-28-96

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

DATE

\*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. O. Box 1980  
Hobbs, NM 88241-1980

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

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

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

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

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

DISTRICT III  
1000 Rio Brazos Rd.  
Aztec, NM 87410

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

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

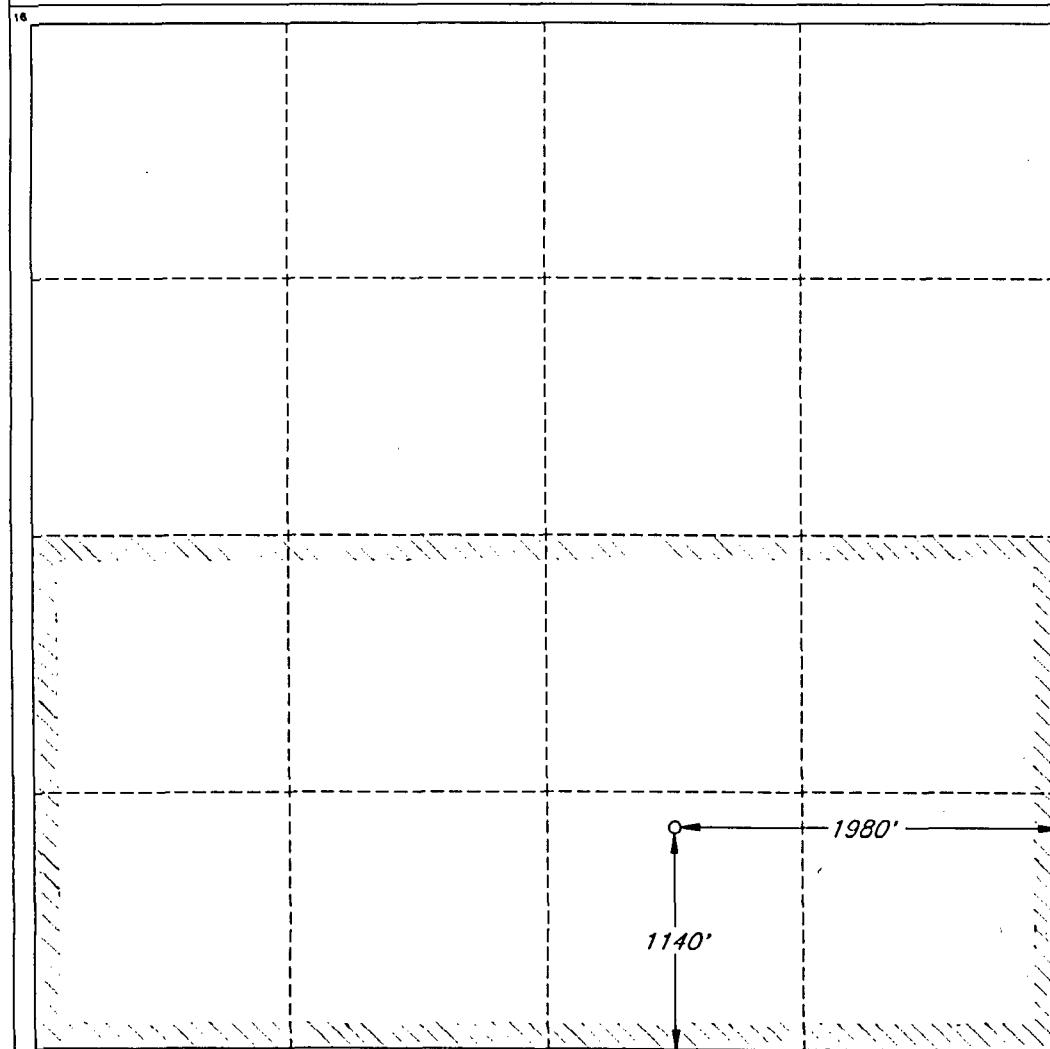
1 API Number		2 Pool Code		3 Pool Name Indian Basin Morrow			
4 Property Code		5 Property Name INDIAN BASIN 'F'				6 Well Number 2	
7 OGRID No.		8 Operator Name SANTA FE ENERGY RESOURCES, INC.				9 Elevation 3796'	

10 SURFACE LOCATION									
UL or lot no. 0	Section 25	Township 21 SOUTH	Range 23 EAST, N.M.P.M.	Lot Ida	Feet from the 1140'	North/South line SOUTH	Feet from the 1980'	East/West line EAST	County EDDY

"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE"

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320									
13 Joint or Infill		14 Consolidation Code		15 Order No.					

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  
*James P. "Phil" Stinson*  
Printed Name  
James P. "Phil" Stinson  
Title  
Agent, Santa Fe Energy  
Date  
3-28-96

**SURVEYOR CERTIFICATION**

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

Date of Survey  
MARCH 11, 1996

Signature and Seal of Professional Surveyor  
*V. Lynn Bezner*  
V. LYNN BEZNER  
NO. 7920  
Certified by the State of New Mexico  
V. LYNN BEZNER  
S. #7920  
JOB #44334 ST NE / JSJ

## DRILLING PROGRAM

SANTA FE ENERGY RESOURCES, INC.

Indian Basin "F" #2

In conjunction with Form 3160-3, Application to Drill the subject well, Santa Fe Energy Operating Partners, L.P. submits the following ten items of pertinent information in accordance with Onshore Oil & Gas Order No. 1.

1. **Geologic Name of Surface Formation:** Alluvium

2. **Estimated Tops of Significant Geologic Markers:**

San Andres	980'
Glorieta	2520'
Bone Spring	4550'
Wolfcamp	6460'
Cisco	7450'
Strawn	8460'
Atoka	8720'
Morrow	9120'
Morrow Clastics	9260'
Mississippian	9600'
Total Depth	9650'

3. **The estimated depths at which water, oil or gas formations are expected:**

Water	None expected in area
Oil/Gas	Cisco 7450'-7600'
	Morrow Clastics 9250'-9400'

4. **Proposed Casing Program:** See Form 3160-3 and Exhibit A

5. **Pressure Control Equipment:** See Exhibit B

6. **Drilling Fluid Program:** See Exhibit C

7. **Auxiliary Equipment:** A mud logging unit will be utilized to monitor penetration rate and hydrocarbon shows while drilling below 2580'.

8. **Testing, Logging and Coring Program:**

Drill Stem Tests: (all DST's to be justified on the basis of valid show of oil or gas):

One Drill Stem Test is Planned.

Morrow	9260'-9400'
--------	-------------

Logging:

Dual Laterolog W/MSFL and Gamma Ray	1200'-9650'
Compensated Neutron/Litho-Density/Gamma Ray	1200'-9650'
Compensated Neutron/Gamma Ray (thru csg)	Surface-1200'

Coring: None Planned

**9. Abnormal Conditions, Pressures, Temperatures & Potential Hazards:**

No abnormal pressures or temperatures are anticipated. The estimated bottom hole temperature is 130 degrees Fahrenheit and the estimated bottom hole pressure is 4450 psi. A Blow Out Preventer System as outlined in Exhibit B will be utilized should the need arise to shut the well in prior to running and cementing production casing. The Morrow zone is our primary objective. The Cisco/Canyon zones are hydrogen sulfide productive in the area. Our plan is to have everyone on location trained in H<sub>2</sub>S safety procedures and install monitors and Scott Air Packs at strategic locations around the rig by 7000', prior to encountering the Cisco/Canyon. It is our understanding that H<sub>2</sub>S is only detected in the area whenever the reservoir fluids are produced up the wellbore. Our drilling fluid hydrostatic head will prevent fluid entry due to the reservoir being overbalanced. We will have monitors operational during the drilling of the Cisco/Canyon zone. Due to the remote location of this drillsite, H<sub>2</sub>S warning signs will be placed prior to entry of the drillsite, a public protection plan is not required for this location.

**10. Anticipated Starting Date and Duration of Operations:**

Road and location work will not begin until approval has been received from the B.L.M. The anticipated spud date is May 1, 1996. Once spudded, the drilling operation should be completed in approximately 30 days. If the well is productive, an additional 30 days will be required for completion and testing before permanent facilities are installed.

**OPERATIONS PLAN**

**SANTA FE ENERGY RESOURCES, INC.**

**Indian Basin "F" #2**

1. Drill a 12-1/4" hole to approximately 1200'.
2. Run 9-5/8' 36.0 ppf K-55 ST&C casing. Cement with 575 sx Class "C" with 2%  $\text{CaCl}_2$ . Run guide shoe on bottom and float collar two joints of bottom. Centralize every other joint above the shoe. Thread lock bottom 2 joints.
3. Wait on cement for six hours prior to cutting off.
4. Nipple up and install a 3000 psi. Double Ram and Annular BOP system with choke manifold. WOC 18 hours prior to drilling out.
5. Test BOP system to 1500 psi with the rig pump. Test casing to 1500 psi.
6. Drill 8-3/4" hole to 9650'. Run logs.
7. Either run and cement 9650' of 7" 26.0 PPF LT&C casing with 680 sx 50/50 Pozmix with 6 pps salt or plug and abandon as per BLM requirements.

**Exhibit "A"**

**Santa Fe Energy Resources, Inc.**

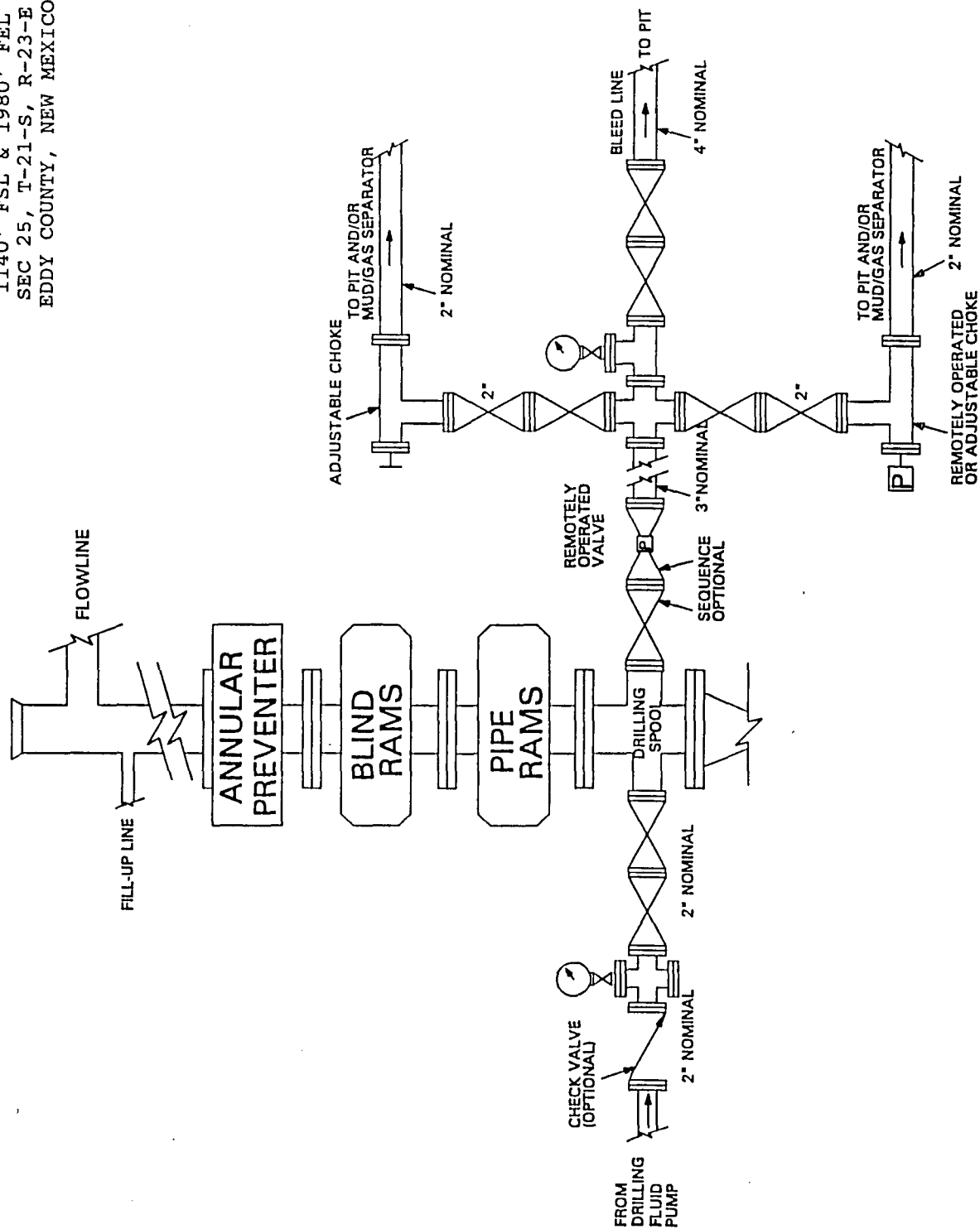
**Indian Basin "F" #2**

**Section 25, T-21-S, R-23-E**

**Eddy County, New Mexico**



SANTA FE ENERGY RESOURCES, INC.  
INDIAN BASIN "F" #2  
1140' FSL & 1980' FEL  
SEC 25, T-21-S, R-23-E  
EDDY COUNTY, NEW MEXICO



## PROPOSED DRILLING FLUID PROGRAM

### 0 - 1200'

Spud with air - air mist to 1200' if possible. If it becomes necessary to mud up due to hole conditions, utilize a fresh water gel system. Use ground paper for seepage control and to sweep the hole. MW-8.5 ppg and Vis-40.

### 1200 - 9650'

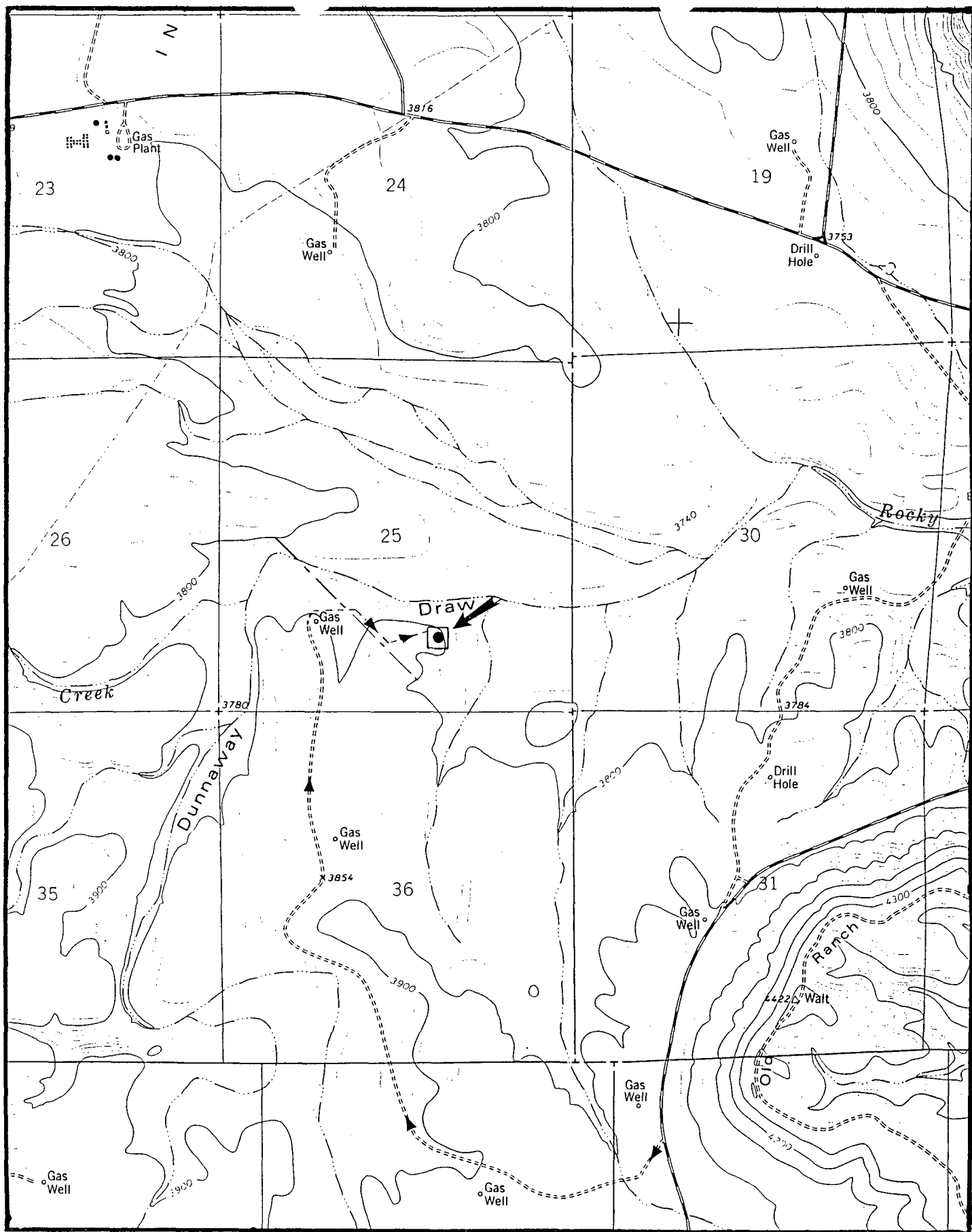
Drill out with fresh water circulating the reserve pit. Maintain pH at 8.5-9.5 with caustic and sweep the hole as necessary with ground paper. If it becomes necessary to mud up due to hole conditions, utilize a fresh water/Drispac system for 15-20 WL and a Vis of 30-32. MW-8.3/8.5 ppg.

Exhibit "C"  
Santa Fe Energy Resources, Inc.  
Indain Basin "F" #2  
Section 25, T-21-S, R-23-E  
Eddy County, New Mexico

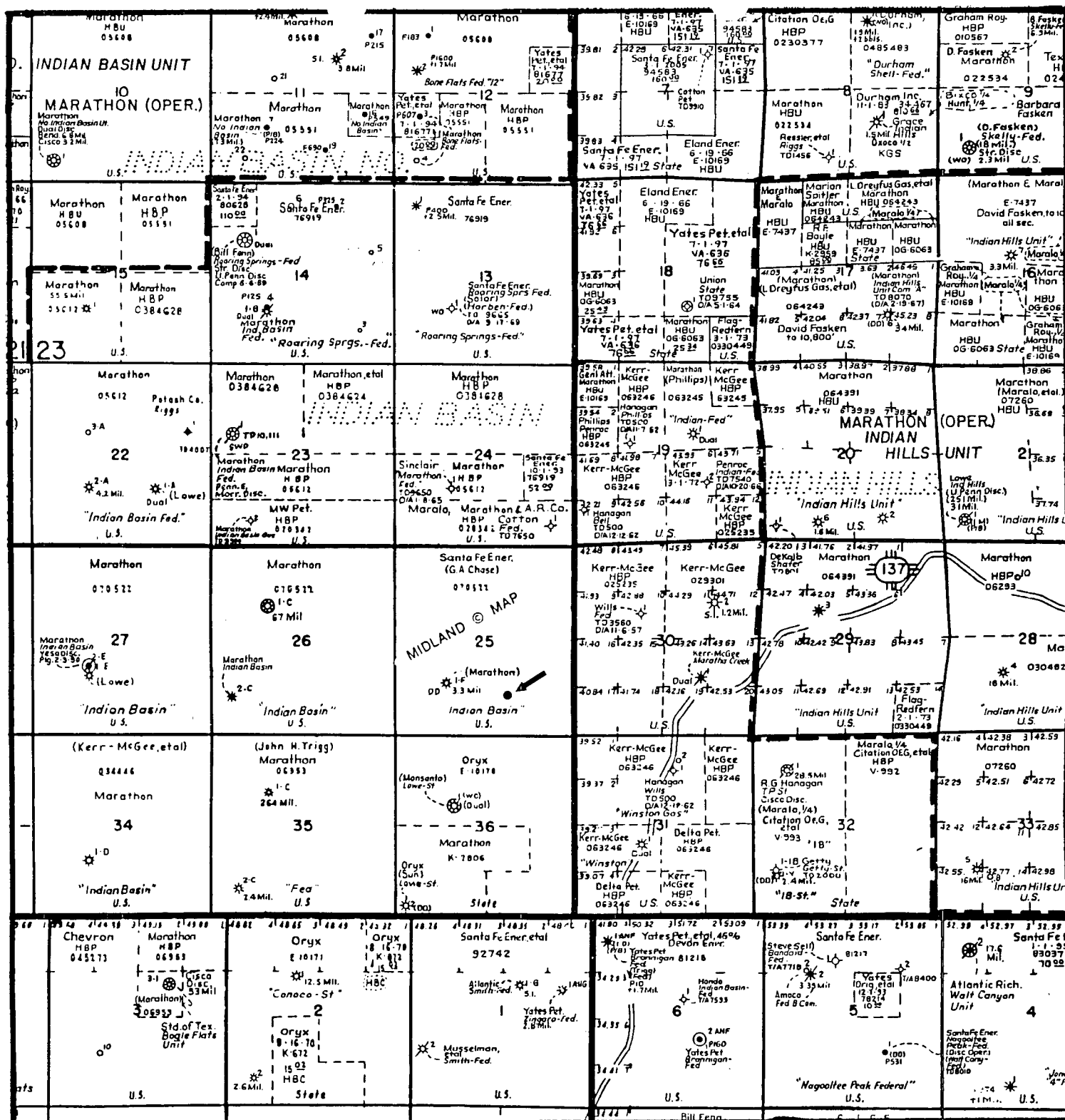
## AUXILIARY EQUIPMENT

DRAWWORKS	BDW 650 HP, with Parmac Hydromatic brake
ENGINES	Two Caterpillar D-353 diesels rated at 425 HP each
ROTARY	Ideco 23", 300 ton capacity
MAST/SUB	Ideal 132', 550,000 lb. rated static hook load with 10 lines. Wagner 15' high substructure
TRAVELLING EQUIPMENT	Gardner-Denver, 300 ton, 5 sheave w/BJ 250 ton hook Brewster Model 7 SX 300 ton swivel
PUMPS	Continental-EMSCO DC-700 and DB-550, 5-1/2 X 16" Duplex, Compound driven.
PIT SYSTEM	1-Shale Pit 6X7X35', 1-Setting Pit 6X7X38', 1-Suction Pit 6X7X34' w/5 mud agitators, Two Centrifugal mud mixing pumps and a Double Screen Shale Shaker.
LIGHT PLANT	Two CAT 3306 diesel electric sets 18 KW prime power
BOP EQUIP.	13-5/8" 5000 psi WP double ram and 13-5/8" 5000 psi WP Shaffer Annular Preventer. Choke manifold rated at 5000 psi. Valvcon 5-station 80 gallon closing unit.

Exhibit "D"  
Santa Fe Energy Resources, Inc.  
Indian Basin "F" #2  
Section 25, T-21-S, R-23-E  
Eddy County, New Mexico

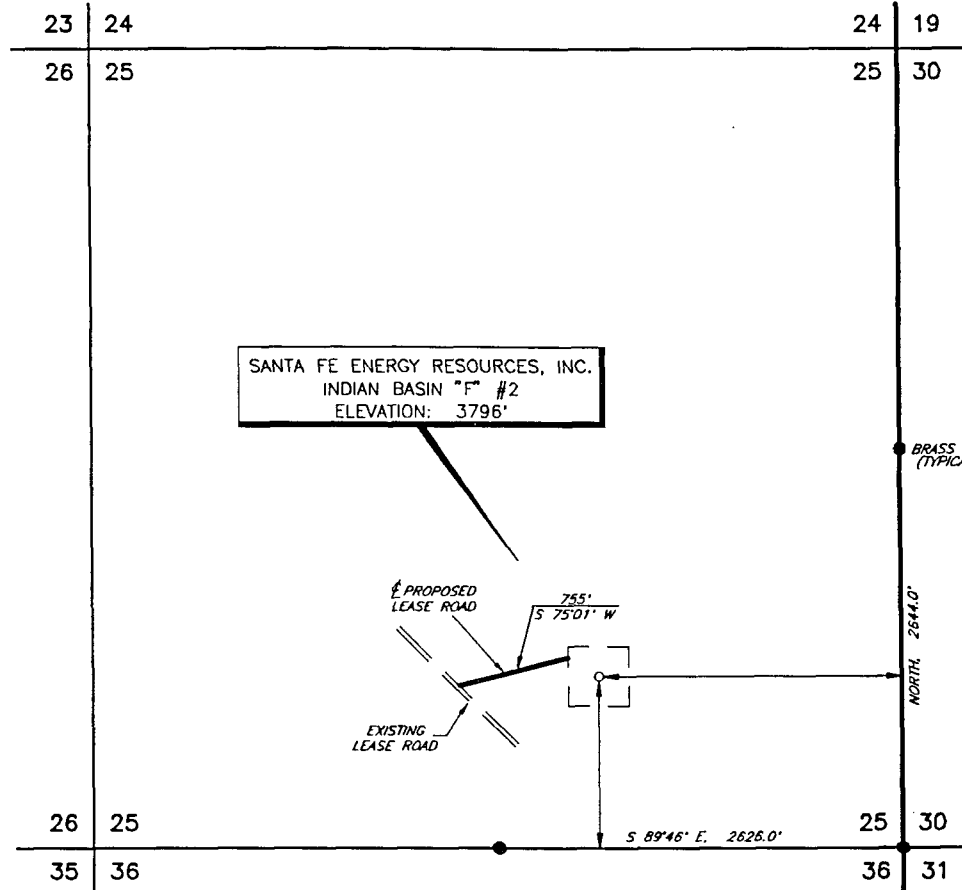


**EXHIBIT E**  
**TOPO MAP OF LOCATION AREA**  
**SANTA FE ENERGY RESOURCES, INC.**  
**INDIAN BASIN "F" #2**  
**1140' FSL & 1980' FEL**  
**SEC 25, T-21-S, R-23-E**  
**RODDY COUNTY, NEW MEXICO**

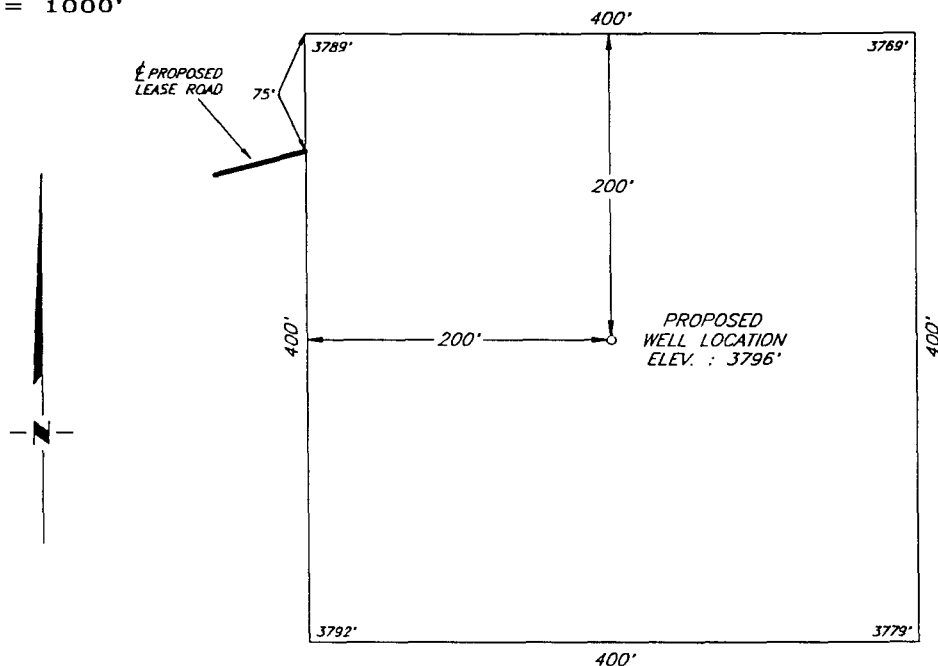


**EXHIBIT F**  
**EXISTING WELLS**  
SANTA FE ENERGY RESOURCES, INC.  
INDIAN BASIN "F" #2  
1140' FSL & 1980' FEL  
SEC 25, T-21-S, R-23-E  
EDDY COUNTY, NEW MEXICO

EXHIBIT F (A)  
 PLAT OF LOCATION  
 SANTA FE ENERGY RESOURCES, INC.  
 INDIAN BASIN "F" #2  
 1140' FSL & 1980' FEL  
 SEC 25, T-21-S, R-23-E  
 EDDY COUNTY, NEW MEXICO



PLAN VIEW  
 1" = 1000'



DETAIL VIEW  
 1" = 100'

				SANTA FE ENERGY RESOURCES, INC.	SCALE: AS SHOWN
					DATE: 03/11/96
NO.	REVISION	DATE	BY		JOB NO.: 44374-F
SURVEYED BY: R.B.					51 NE
DRAWN BY: JSJ					
APPROVED BY: V.L.B.					
				SURVEYING AND MAPPING BY	
				TOPOGRAPHIC LAND SURVEYORS	
				MIDLAND, TEXAS	SHEET : 1 OF 1

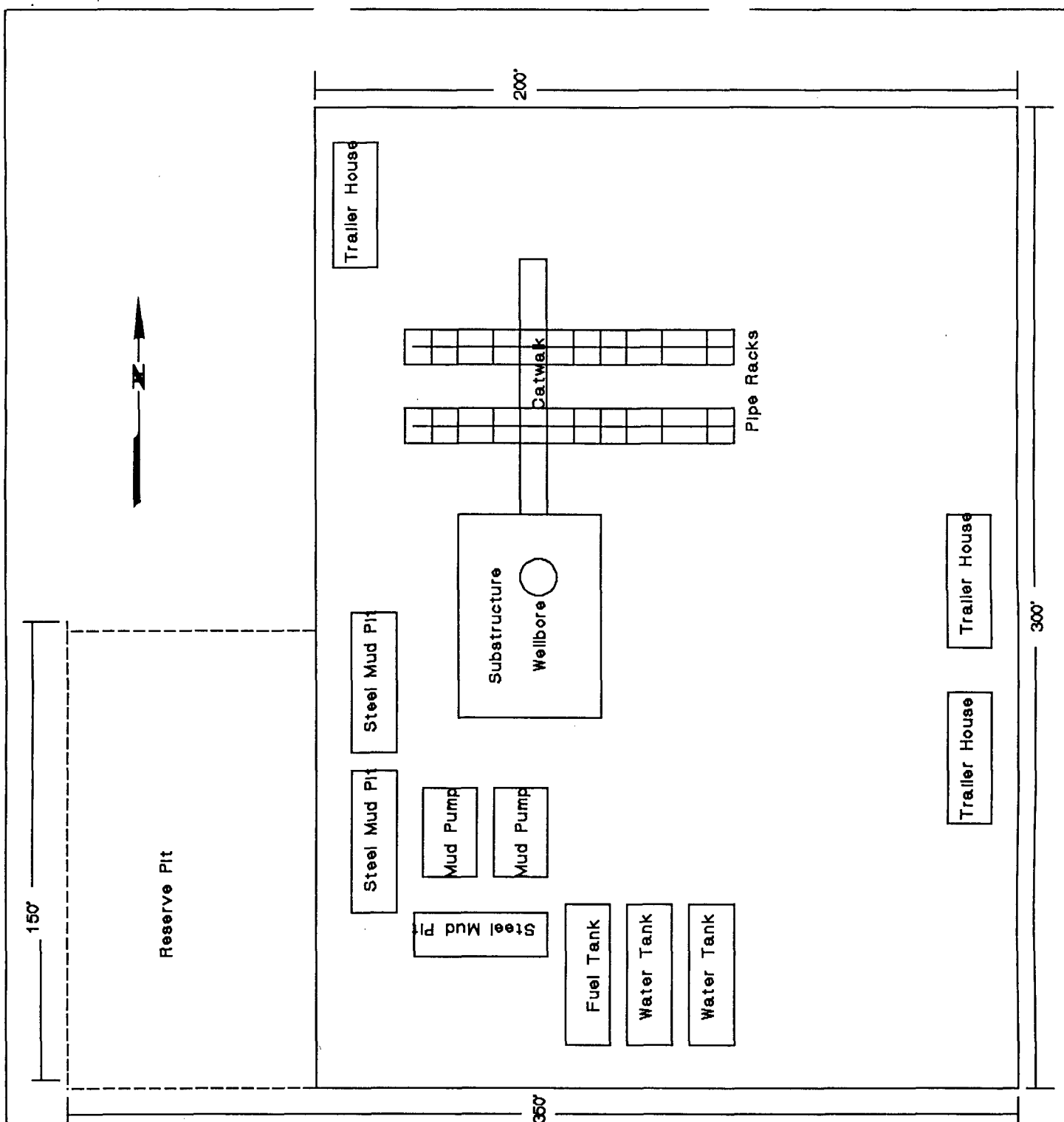


EXHIBIT G  
 WELL SITE LAYOUT  
 SANTA FE ENERGY RESOURCES, INC.  
 INDIAN BASIN "F" #2  
 1140' FSL & 1980' FEL  
 Sec 25, T-21-S, R-23-E  
 EDDY COUNTY, NEW MEXICO

**Santa Fe Energy Resources, Inc.**  
**MULTI-POINT SURFACE USE AND OPERATIONS PLAN**  
**Indian Basin "F" #2**  
**Section 25, T-21-S, R-23-E**  
**Eddy County, New Mexico**

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed by rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effects associated with the operation.

**1. EXISTING ROADS.**

- A. Exhibit E is a 15 minute topo map which shows the location of the proposed wellsite and roads in the vicinity. The proposed location is situated approximately 17-1/2 miles West of Carlsbad, New Mexico.

**DIRECTIONS**

1. From Carlsbad, go north 12 miles to intersection of Hwy. 285 and 137. Turn west onto Hwy 137, travel southwest for 12.3 miles and turn right on lease road for 1.7 miles to the SFER Indian Basin "F" #1. Follow the existing road north and east to the pipeline, go southeast for  $\pm 700'$  then turn left (east)  $\pm 600'$  to the proposed location.

**2. PLANNED ACCESS ROAD.**

- A. Approximately .4 mile of access road from the SFER Indian Basin "F" #1 to the proposed location will have to be repaired and built.

**3. LOCATION OF EXISTING WELLS.**

- A. The Indian Basin "F" #1 is located 1879' west of the proposed well.

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

- A. In the event the well is productive, the necessary production equipment will be installed on the drilling pad.

**5. LOCATION AND TYPE OF WATER SUPPLY.**

- A. It is planned to drill the well with fresh water systems. The water will be hauled to the location by truck over existing roads. It will be obtained from commercial sources. We also plan to utilize produced water from out offsetting wells to supplement our drilling water needs.

**6. SOURCES OF CONSTRUCTION MATERIALS.**

- A. Any caliche required for construction of the drilling pad will be obtained from a pit located off the wellsite.

**7. METHODS OF HANDLING WASTE DISPOSAL.**

- A. Drill cuttings will be disposed of in the reserve pits.
- B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.



- C. Water produced during operations will be either placed in the reserve pits and allowed to evaporate or collected in tanks until hauled to an approved disposal system or a separate disposal application will be submitted to the BLM for appropriate approval.
- D. Oil produced during operations will be stored in tanks until sold.
- E. Human waste will be disposed of per current standards.
- F. Trash, waste paper, garbage, and junk will be collected in trash trailers and disposed of in an approved waste facility such as a land fill. The trash trailers will contain all of the material to prevent scattering by the wind.
- G. All trash and debris will be removed from the wellsite within 30 days after finishing drilling and/or completion operations.

**8. ANCILLARY FACILITIES**

- A. None required at this time.

**9. WELLSITE LAYOUT**

- A. Exhibit G shows the dimensions of the well pad and reserve pits, and the location of major rig components. The V-door will be turned north.
- B. The ground surface of the location is situated on a relatively flat area with a steep drop off into Dunnaway Draw to the north. The location will be constructed by leveling the necessary area and covering the area with at least six inches of compacted caliche.
- C. The reserve pits will be plastic lined.
- D. A 400' X 400' work area which will contain the pad and pit area has been staked and flagged.

**10. PLAN FOR RESTORATION OF THE SURFACE**

- A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleared of all trash and junk, to leave the wellsite in as aesthetically pleasing a condition as possible.
- B. Unguarded pits, if any, containing fluid will be fenced until they have been filled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management and the United States Geological Survey will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and levelled within 300 days after abandonment.

**11. TOPOGRAPHY**

- A. The top soil at the wellsite is very rocky.
- B. The vegetation cover at the wellsite is moderately sparse, with mesquite, prairie grasses, some yucca, prickly pear, sotol and miscellaneous weeds.

- C. No wildlife was observed but it is likely that deer, rabbits, coyotes, and rodents traverse the area.
- D. There are no ponds, lakes, streams or rivers within one mile of the wellsite.
- E. There is no evidence of any archaeological, historical, or cultural sites in the vicinity of the location.

12. OPERATOR'S REPRESENTATIVES

- A. The field representatives responsible for assuring compliance with the approved surface use plan are:

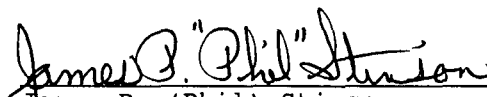
Michael R. Burton  
Division Operations Manager  
Santa Fe Energy Resources, Inc.  
550 W. Texas, Suite 1330  
Midland, Texas 79701  
915-686-6616 - office  
915-559-6842 - cellular

Darrell Roberts  
Division Drilling Engineer  
Santa Fe Energy Resources, Inc.  
550 W. Texas, Suite 1330  
Midland, Texas 79701  
915-686-6614 - office  
915-553-1214 - cellular

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Santa Fe Energy Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which is approved.

SIGNED this 28<sup>th</sup> day of March.

  
James P. (Phil) Stinson  
Agent for Santa Fe Energy Resources, Inc.

**Santa Fe Energy Resources, Inc.**

**HYDROGEN SULFIDE DRILLING OPERATIONS PLAN**

**Indian Basin "F" #2**  
**Section 25, T-21-S, R-23-E**  
**Eddy County, New Mexico**

In drilling the Cisco/Canyon formation there is very remote possibility that H<sub>2</sub>S will be encountered. The zone is hydrogen sulfide productive in the area. It is our understanding that hydrogen sulfide is only detected in the area whenever the reservoir fluids are produced up the wellbore. Our drilling fluid hydrostatic head will prevent fluid entry due to the reservoir being overbalanced. The following is our plan for drilling the Cisco/Canyon formation.

**1. Hydrogen Sulfide Training**

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on the well:

1. The hazards and characteristics of hydrogen sulfide (H<sub>2</sub>S).
2. The proper use and maintenance of personal protective equipment and life support systems.
3. The proper use of H<sub>2</sub>S detectors, alarms, warning systems, briefing areas, evacuations procedures, and prevailing winds.
4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

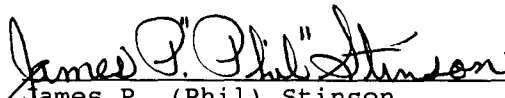
1. The effects of H<sub>2</sub>S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
3. The contents and requirements of the Hydrogen Sulfide Drilling Operations Plan.

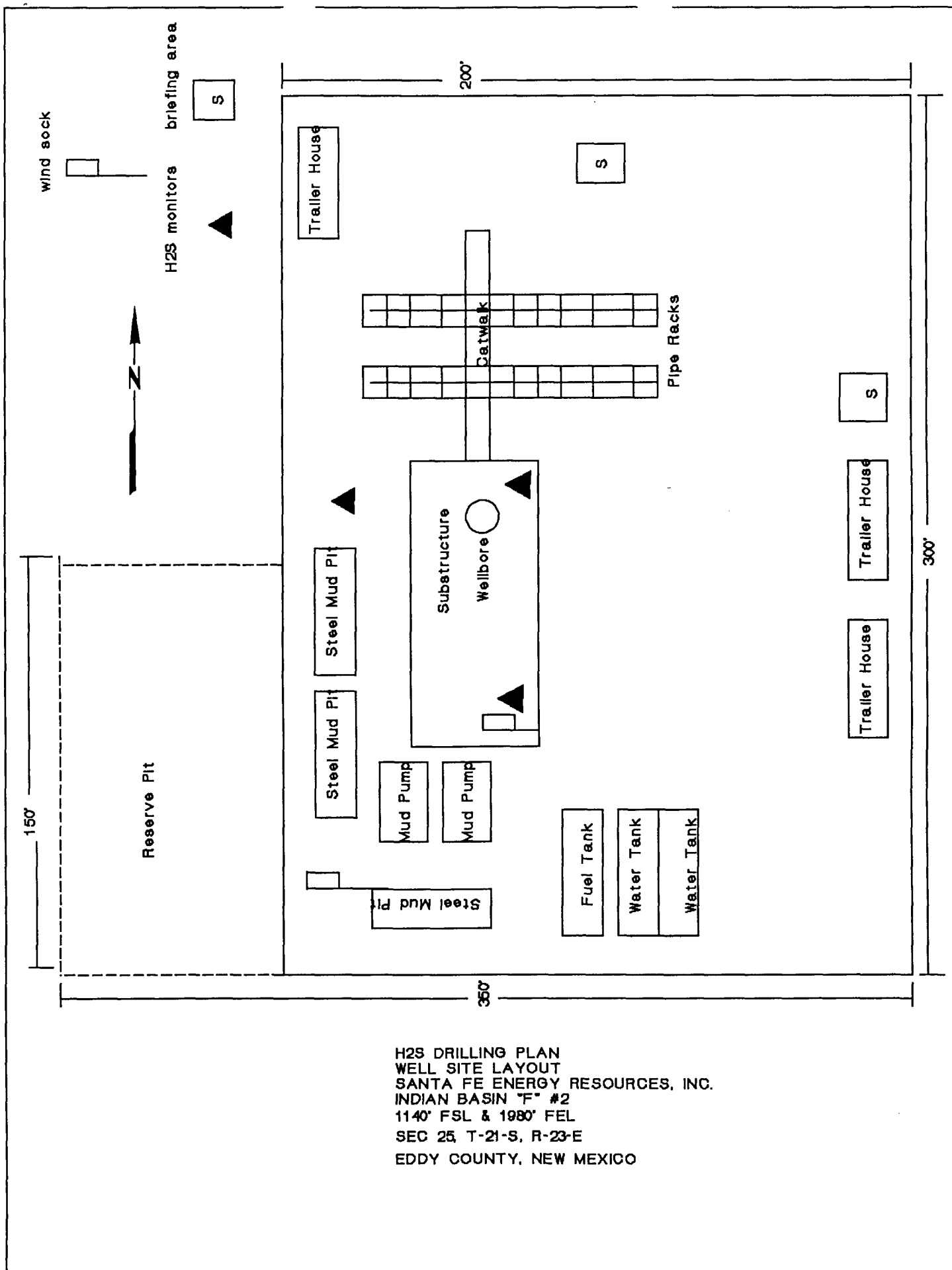
There will be an initial training session prior to encountering the Cisco/Canyon (training will take place within 3 days or 500 feet) and will have weekly H<sub>2</sub>S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific Hydrogen Sulfide Drilling Operations Plan. This plan shall be available at the well site. All personnel will be required to carry documentations that they have received the proper training.

**2. H<sub>2</sub>S Safety Equipment and Systems**

Note: All H<sub>2</sub>S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the Cisco/Canyon zone at 7450'.

1. **Well Control Equipment:**
  - A. An annular preventer capable of accommodating all pipe sizes with properly sized closing unit.
2. **Protective Equipment for Personnel:**
  - A. Scott Air-Pack Units located on the rig floor and at briefing areas, as indicated on well site diagram.
3. **H<sub>2</sub>S Detection and Monitoring Equipment:**
  - A. 2-portable H<sub>2</sub>S monitors positioned on location for best coverage and response. These units have warning lights and audible sirens when H<sub>2</sub>S levels of 200 ppm are reached.
4. **Visual Warning Systems:**
  - A. Wind direction indicators as shown on well site diagram.
  - B. Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. See Example Attached.
5. **Mud Program:**
  - A. The mud program is designed to minimize any H<sub>2</sub>S circulated to the surface. Proper mud weight, safe drilling practices, and the use of H<sub>2</sub>S scavengers will be used to minimize hazards when penetrating H<sub>2</sub>S bearing zones (Cisco/Canyon).
6. **Metallurgy:**
  - A. All of the drill string, casing, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H<sub>2</sub>S service.
  - B. All elastomers used for packing and seals shall be H<sub>2</sub>S trim.
7. **Communication:**
  - A. Cellular phone communications in company vehicles.
  - B. Radio communications on the drilling rig.
8. **Well Testing:**
  - A. All tests in the Cisco/Canyon formation will be conducted using the closed chamber method of drill stem testing.

  
James P. (Phil) Stinson  
Agent for Santa Fe Energy Resources, Inc.



H2S DRILLING PLAN  
 WELL SITE LAYOUT  
 SANTA FE ENERGY RESOURCES, INC.  
 INDIAN BASIN "F" #2  
 1140' FSL & 1980' FEL  
 SEC 25, T-21-S, R-23-E  
 EDDY COUNTY, NEW MEXICO

# **WARNING**

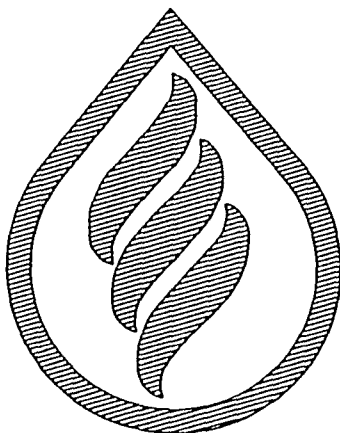
YOU ARE ENTERING AN H<sub>2</sub>S AREA

TIGHT HOLE LOCATION

DO NOT ENTER UNLESS YOU WERE CALLED !!

**INDIAN BASIN "F" #2**

SANTA FE ENERGY RESOURCES, INC.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Santa Fe Energy Resources, Inc.

3. Address and Telephone No.

550 W. Texas, Suite 1330; Midland, Texas 79701 (915) 682-6373

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

(O) 1115' FSL & 2055' FEL Sec. 25, T-21-S, R-23-E

5. Lease Designation and Serial No.  
NM 070522

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Indian Basin "F" #2

9. API Well No.

10. Field and Pool, or Exploratory Area

Indian Basin Morrow

11. County or Parish, State

Eddy, New Mexico

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Move well location  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

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

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

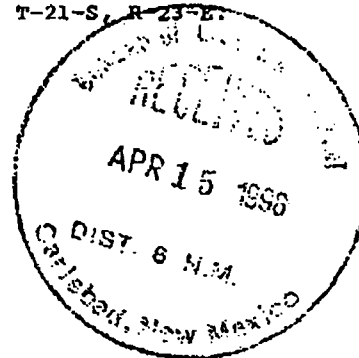
We respectfully request that the proposed location of the subject well be moved per instructions from Barry Hunt. The proposed road is also re-routed.

The new location is (O) 1115' FSL & 2055' FEL, Sec. 25, T-21-S, R-23-E.

A new C-102 (amended location plat) is attached.

EXHIBIT

B



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

Signed James P. [Signature]

Title Agent for Santa Fe Energy

Date 4-11-96

(This space for Federal or State office use)

Approved by Richard C. Mann

Title Area Manager

Date 5/16/96

Conditions of approval, if any:

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

\*See instruction on Reverse Side

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

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

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

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

DISTRICT III  
1000 Rio Brazos Rd.  
Aztec, NM 87410

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

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

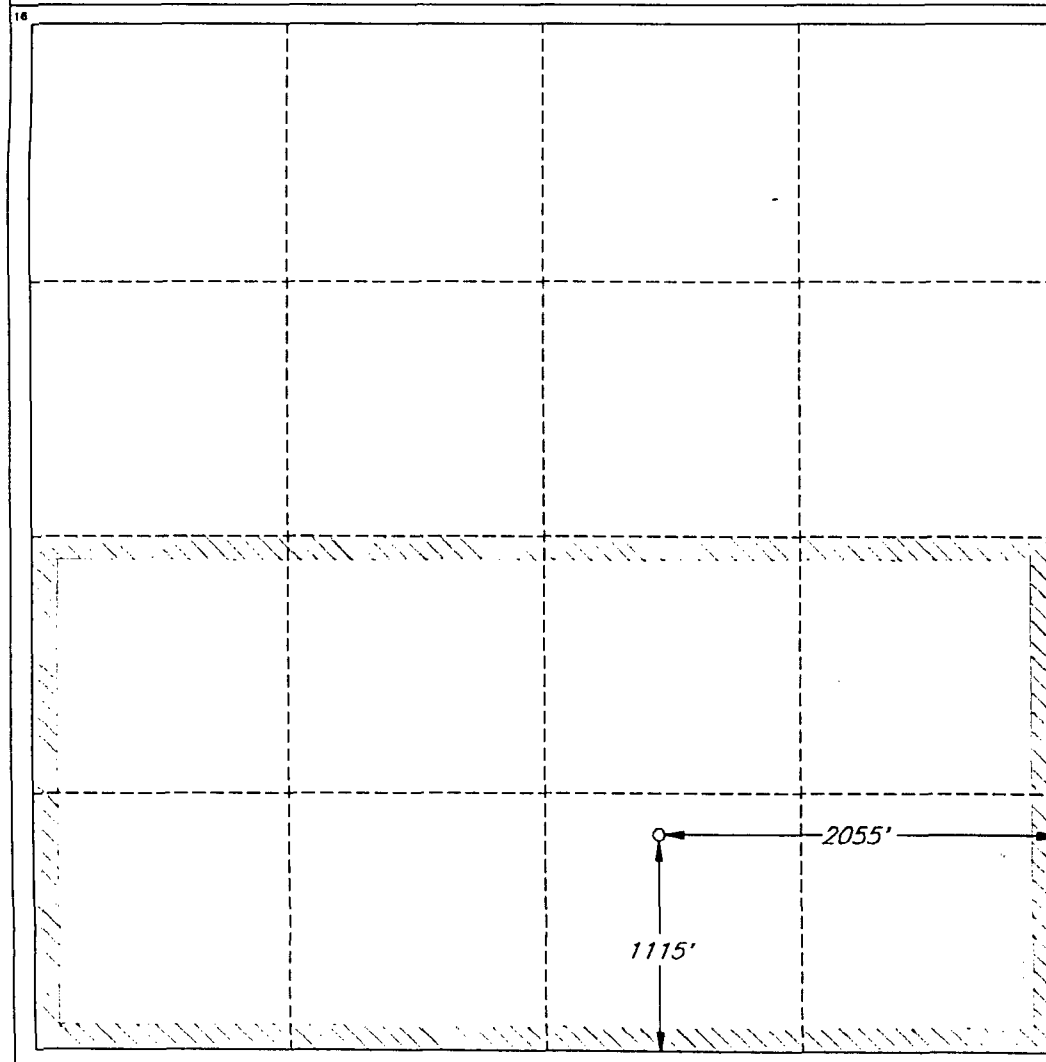
1 API Number		2 Pool Code		3 Pool Name Indian Basin Morrow			
4 Property Code		5 Property Name INDIAN BASIN 'F'				6 Well Number 2	
7 OGRID No.		8 Operator Name SANTA FE ENERGY RESOURCES, INC.				9 Elevation 3797'	

10 SURFACE LOCATION									
UL or lot no. 0	Section 25	Township 21 SOUTH	Range 23 EAST, N.M.P.M.	Lot Ida	Feet from the 1115'	North/South line SOUTH	Feet from the 2055'	East/West line EAST	County EDDY

"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320									
13 Joint or Infill									
14 Consolidation Code									
15 Order No.									

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  
*James P. "Phil" Stinson*  
Printed Name  
James P. "Phil" Stinson

Title  
Agent for Santa Fe Energy  
Date  
4-11-96

SURVEYOR CERTIFICATION

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

Date of Survey  
APRIL 2, 1996

Signature and Seal of  
Professional Surveyor  
*V. Lynn Bezner*  
V. LYNN BEZNER  
NO. 7920  
Certification No.  
V. L. BEZNER AND SONS, #7920  
JOB #44830 / S1 NE / V.H.B.



**Santa Fe Energy Resources, Inc.**  
**MULTI-POINT SURFACE USE AND OPERATIONS PLAN**  
**Indian Basin "F" #2**  
**Section 25, T-21-S, R-23-E**  
**Eddy County, New Mexico**

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed by rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effects associated with the operation.

**1. EXISTING ROADS.**

- A. Exhibit E is a 15 minute topo map which shows the location of the proposed wellsite and roads in the vicinity. The proposed location is situated approximately 17-1/2 miles West of Carlsbad, New Mexico.

**DIRECTIONS**

1. From Carlsbad, go north 12 miles to intersection of Hwy. 285 and 137. Turn west onto Hwy 137, travel southwest for 12.3 miles and turn right on lease road for 1.4 miles toward the SFER Indian Basin "F" #1. Turn right (northeast) for .4 mile to the proposed location.

**2. PLANNED ACCESS ROAD.**

- A. Approximately .4 mile of access road from existing road the proposed location will have to be built.

**3. LOCATION OF EXISTING WELLS.**

- A. The Indian Basin "F" #1 is located 1804' west of the proposed well.

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

- A. In the event the well is productive, the necessary production equipment will be installed on the drilling pad.

**5. LOCATION AND TYPE OF WATER SUPPLY.**

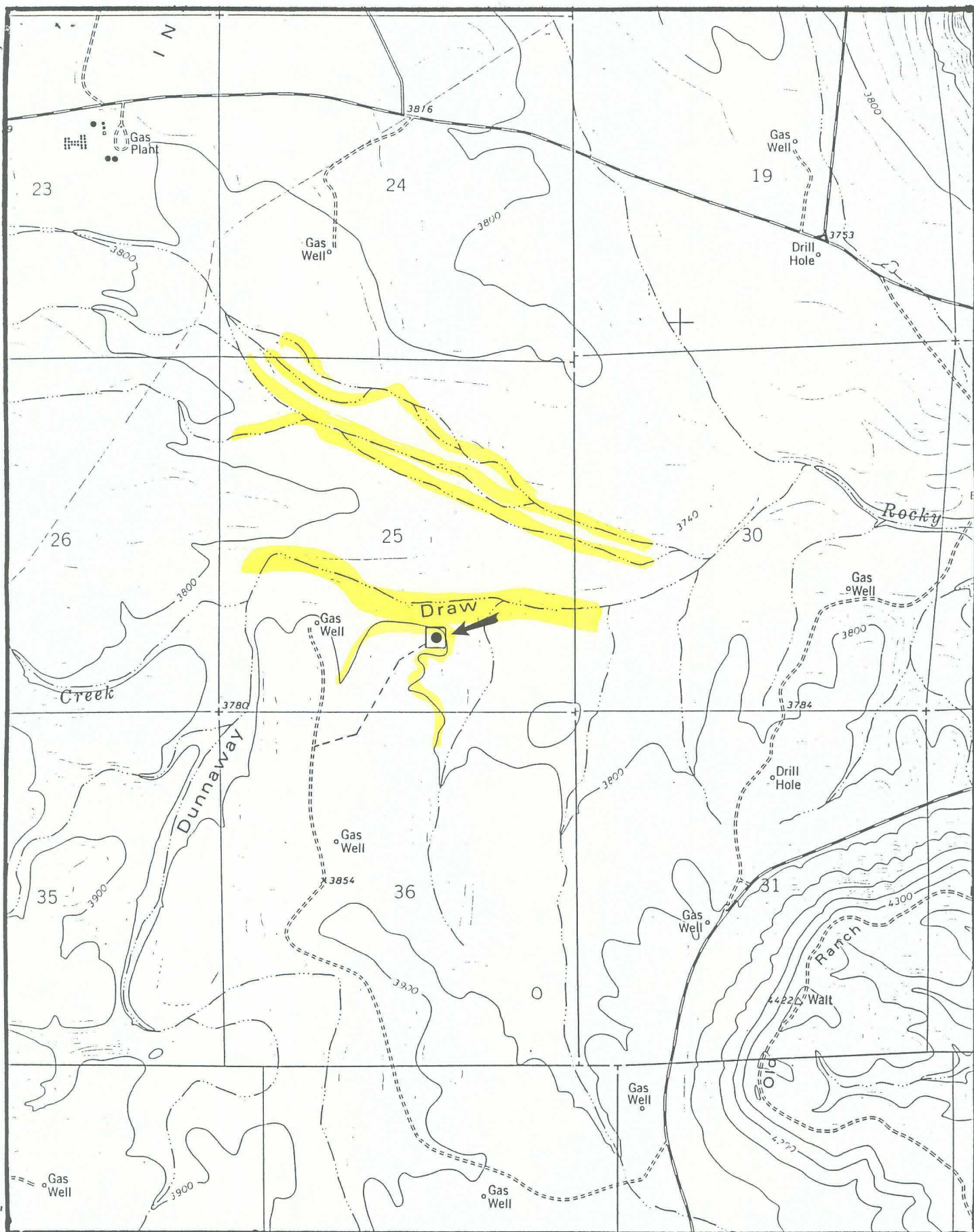
- A. It is planned to drill the well with fresh water systems. The water will be hauled to the location by truck over existing roads. It will be obtained from commercial sources. We also plan to utilize produced water from out offsetting wells to supplement our drilling water needs.

**6. SOURCES OF CONSTRUCTION MATERIALS.**

- A. Any caliche required for construction of the drilling pad will be obtained from a pit located off the wellsite.

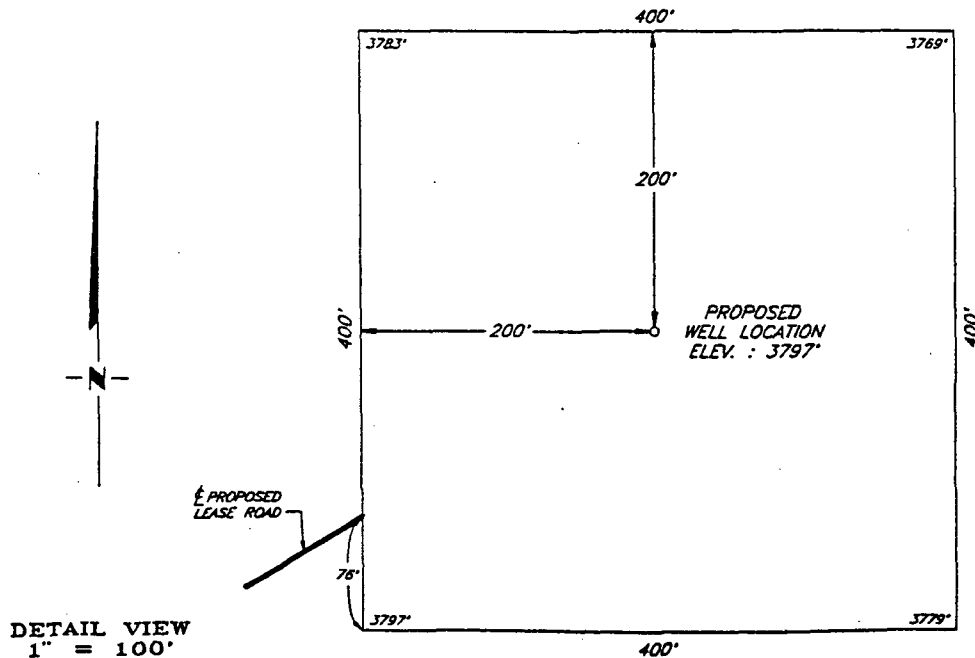
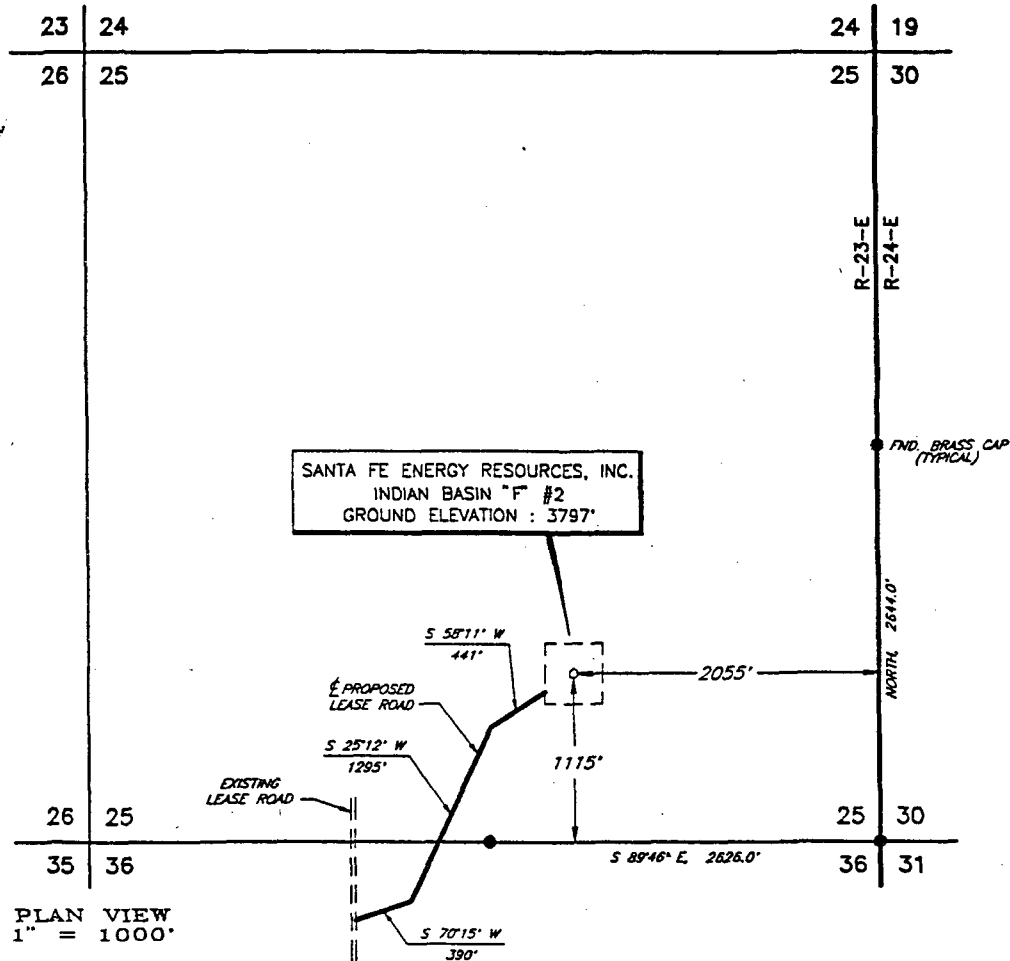
**7. METHODS OF HANDLING WASTE DISPOSAL.**

- A. Drill cuttings will be disposed of in the reserve pits.
- B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.



**EXHIBIT E**  
**TOPO MAP OF LOCATION AREA**  
**SANTA FE ENERGY RESOURCES, INC.**  
 INDIAN BASIN "F" #2  
 1115' FSL & 2055' FEL  
 SEC 25, T-21-S, R-23-E  
 EDDY COUNTY, NEW MEXICO

EXHIBIT F (A)  
 PLAT OF LOCATION  
 SANTA FE ENERGY RESOURCES, INC.  
 INDIAN BASIN "F" #2  
 1115' FSL & 2055' FEL  
 SEC 25, T-21-S, R-23-E  
 EDDY COUNTY, NEW MEXICO



				SANTA FE ENERGY RESOURCES, INC.				SCALE: AS SHOWN	
								DATE: APRIL 2, 1996	
NO.	REVISION	DATE	BY	SURVEYING AND MAPPING BY TOPOGRAPHIC LAND SURVEYORS MIDLAND, TEXAS				JOB NO.: 44830-F	
SURVEYED BY:		R.B.						51 NE	
DRAWN BY:		V.H.B.							
APPROVED BY:		V.L.B.							
								SHEET : 1 OF 1	

SURVEYING AND MAPPING BY  
 TOPOGRAPHIC LAND SURVEYORS  
 MIDLAND, TEXAS



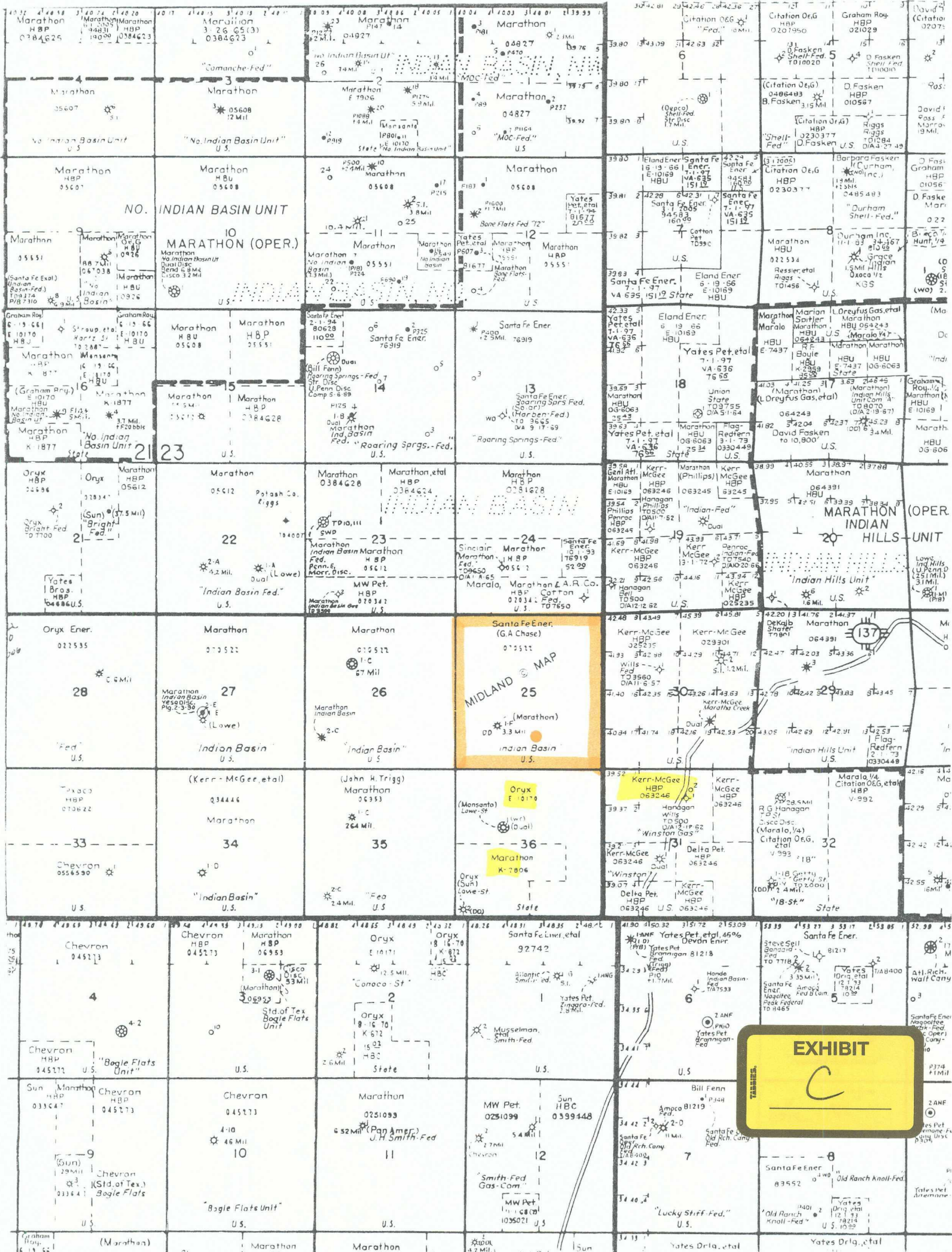
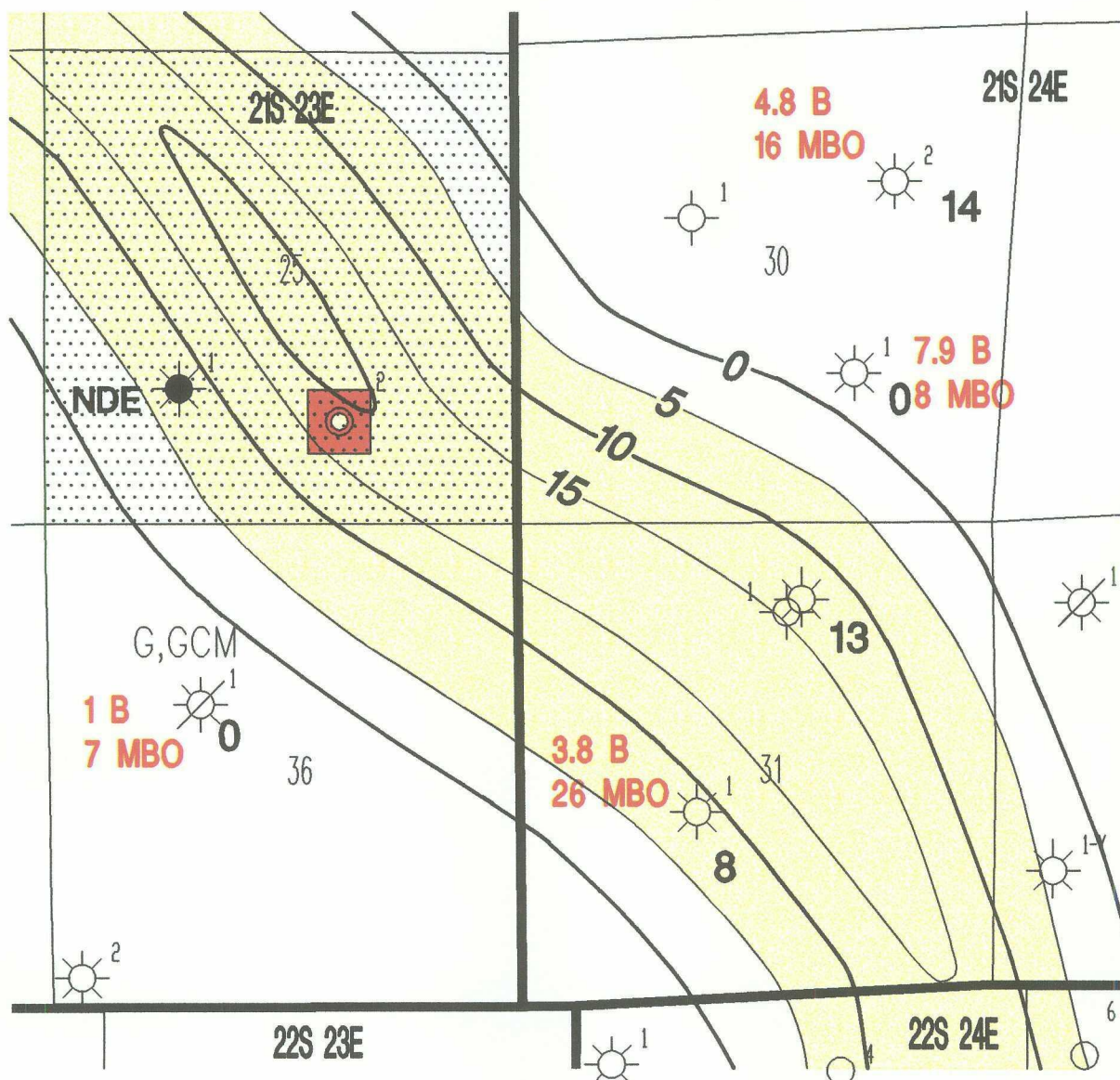


EXHIBIT  
C





PROD to 11/95

1 B  
7 MBO

Well Symbol

G, GCM

Fluid Recovered by Lower Morrow DST's

NDE = NOT DEEP ENOUGH



PROPOSED LOCATION



SFER LEASEHOLD

EXHIBIT

D



Santa Fe Energy Resources, Inc.  
CENTRAL DIVISION  
MIDLAND, TEXAS

INDIAN BASIN SOUTH AREA  
**PONTIAC PROSPECT**  
EDDY COUNTY, NEW MEXICO

**NET SAND ISOPACH**  
**LOWER MORROW SANDSTONES**  
 $\phi_D > 7\%$ ,  $\phi_S > 63$  MS

Geol.: M. Dilli/G. Davis  
Scale: 1" = 4000'

C.I.: 5'  
Date: 4-13-96

PONT-RRC.DWG

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

ADMINISTRATIVE APPLICATION OF SANTA FE  
ENERGY RESOURCES, INC. FOR AN UNORTHODOX  
WELL LOCATION, EDDY COUNTY, NEW MEXICO

AFFIDAVIT REGARDING NOTICE

STATE OF NEW MEXICO       )  
COUNTY OF SANTA FE       ) ss.

James Bruce, being duly sworn upon his oath, deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.

2. I am an attorney for Applicant.

3. Applicant has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the Application filed herein.

4. Notice of the Application was provided to the interest owners at their correct addresses by certified mail. Copies of the notice letters are attached hereto as Exhibit A.

5. Applicant has complied with the notice provisions of Division Rules 104 and 1207.



James Bruce

SUBSCRIBED AND SWORN TO before me this 4<sup>th</sup> day of ~~May~~ <sup>June</sup>, 1996,  
by James Bruce.



My Commission Expires:

9.7.99

EXHIBIT

E

**HINKLE, COX, EATON, COFFIELD & HENSLEY,  
L.L.P.**

ATTORNEYS AT LAW

218 MONTEZUMA POST OFFICE BOX 2068  
**SANTA FE, NEW MEXICO 87504-2068**  
(505) 982-4554 FAX (505) 982-8623

LEWIS C. COX, JR. (1924-1993)  
CLARENCE E. HINKLE (1904-1985)

OF COUNSEL  
O. M. CALHOUN\* JOE W. WOOD  
RICHARD L. CAZZELL\* RAY W. RICHARDS\*

AUSTIN AFFILIATION  
HOFFMAN & STEPHENS, P.C.  
KENNETH R. HOFFMAN\*  
TOM D. STEPHENS\*  
RONALD C. SCHULTZ, JR.\*  
JOSE CANO\*

THOMAS E. HOOD\*  
REBECCA NICHOLS JOHNSON  
STANLEY K. KOTOVSKY, JR.  
ELLEN S. CASEY  
MARGARET CARTER LUDEWIG  
S. BARRY PAISNER  
WYATT L. BROOKS\*  
DAVID M. RUSSELL\*  
ANDREW J. CLOUTIER  
STEPHANIE LANDRY  
KIRT E. MOELLING\*  
DIANE FISHER  
JULIE P. NEERKEN  
WILLIAM P. SLATTERY  
CHRISTOPHER M. MOODY  
JOHN D. PHILLIPS  
EARL R. NORRIS  
JAMES A. GILLESPIE  
MARGARET R. MCNETT

GARY W. LARSON  
LISA K. SMITH\*  
NORMAN D. EWART  
DARREN T. GROCE\*  
MOLLY MCINTOSH  
MARCIA B. LINCOLN  
SCOTT A. SHUART\*  
PAUL G. NASON  
AMY C. WRIGHT\*  
BRADLEY G. BISHOP\*  
KAROLYN KING NELSON  
ELLEN T. LOUDERBOUGH  
JAMES H. WOOD\*  
NANCY L. STRATTON  
TIMOTHY R. BROWN  
JAMES C. MARTIN

\*NOT LICENSED IN NEW MEXICO

June 4, 1996

**VIA CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Orxy Energy Company  
Post Office Box 2880  
Dallas, Texas 75221-2880

Marathon Oil Company  
Post office Box 552  
Midland, Texas 79702

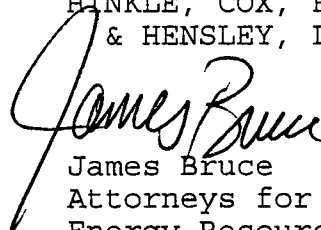
Kerr-McGee Corporation  
Post Office Box 25861  
Oklahoma City, Oklahoma 73125

Dear Sirs:

On June 4, 1996, Santa Fe Energy Resources, Inc. filed an application for administrative approval of an unorthodox gas well location for its Indian Basin "F" Well No. 2, to be located 1115 feet from the South line and 2055 feet from the East line of Section 25, Township 21 South, Range 23 East, Eddy County, New Mexico. The well will be drilled to test the Morrow formation (Indian Basin - Morrow Gas Pool), and all of Section 25 will be dedicated to the well. If you object to the well location, you must submit a written objection to the Division no later than June 24, 1996. The Division's address is 2040 South Pacheco Street, Santa Fe, New Mexico 87505.

Very truly yours,

HINKLE, COX, EATON, COFFIELD  
& HENSLEY, L.L.P.



James Bruce  
Attorneys for Santa Fe  
Energy Resources, Inc.

JB/bc

POST OFFICE BOX 10  
ROSWELL, NEW MEXICO 88202  
(505) 622-6510  
FAX (505) 623-9332

POST OFFICE BOX 3580  
MIDLAND, TEXAS 79702  
(915) 683-4691  
FAX (915) 683-6518

POST OFFICE BOX 9238  
AMARILLO, TEXAS 79105  
(806) 372-5569  
FAX (806) 372-9761

POST OFFICE BOX 2043  
ALBUQUERQUE, NEW MEXICO 87103  
(505) 768-1500  
FAX (505) 768-1529

401 W. 15TH STREET, SUITE 800  
AUSTIN, TEXAS 78701  
(512) 476-7137  
FAX (512) 476-5431

COUNTY Eddy POOL Indian Basin - Morrow Gas

POOL

# Indian Basin - Morrow Gas

TOWNSHIP 21 South

RANGE 23 East

**NMPM**

Description: All Sec. 22 & 23 (R-244, 2-28-63)

Ext: All Sec. 10, 14 & 15 (R-2569, 10-1-63) - All Sec. 24 (R-2726, 7-1-64)

- All Sec. 25 & 36 (R-2911, 6-1-65) EXT. All Sec. 9 (R-9418, 2-1-91)

Ext. W/2 Sec. 2, W/2 Sec. 11 (A-10376, 5-24-95)

Ext: Lots 1 and 2,  $\frac{1}{2}$  NE  $\frac{1}{4}$ , and SE  $\frac{1}{4}$  Sec. 2 and Delete N  $\frac{1}{2}$  and SE  $\frac{1}{4}$  Sec. 14 (R-8170-0, 11-27-9)



CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

07/05/96 07:49:48  
OGOMES -EMEY  
PAGE NO: 1

Sec : 25 Twp : 21S Rng : 23E Section Type : NORMAL

D 40.00  Federal owned	C 40.00  Federal owned	B 40.00  Federal owned	A 40.00  Federal owned
E 40.00  Federal owned	F 40.00  Federal owned	G 40.00  Federal owned	H 40.00  Federal owned

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

OGRID Identifier : 20305 SANTA FE ENERGY RESOURCES INC  
Prop Identifier : 18965 INDIAN BASIN F  
API Well Identifier : 30 15 28987 Well No : 2  
Surface Locn - UL : O Sec : 25 Twp : 21S Range : 23E Lot Idn :  
Multiple comp (S/M/C): N TVD Depth (Feet) : MVD Depth (Feet):  
Spud Date : P/A Date :  
Casing/Linear Record:

S Size	Grade Weight	Depth(ft)	Depth(ft)	Hole Size	Cement	----	TOC	----
(inches)	(lb/ft)	Top-Liner	Bot-Liner	(inches)	(Sacks)	(feet)	Code	

E0004: No matching record found. Enter data to create.

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 COMMENT	PF10 TLOG	PF11	PF12

CMD : ONGARD 07/05/96 07:50:21  
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -EMEY

OGRID Idn : 20305 API Well No: 30 15 28987 APD Status(A/C/P): A  
Opr Name, Addr: SANTA FE ENERGY RESOURCES INC Aprvl/Cncl Date : 05-16-1996  
550 W. TEXAS SUITE 1330  
MIDLAND, TX 79701

Prop Idn: 18965 INDIAN BASIN F Well No: 2

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----	-----
Surface Locn : O	25	21S	23E				FTG 1115 F S	FTG 2055 F E
OCD U/L : O		API	County	15				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : R  
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 3796

State Lease No: Multiple Comp (Y/N) : N  
Prpsd Depth : 9650 Prpsd Frmtn : MORROW

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

CMD : ONGARD 07/05/96 07:50:52  
OG6CLOG C105-WELL COMPLETION OR RECOMP CASING LOG OGOMES -EMEY

OGRID Identifier : 20305 SANTA FE ENERGY RESOURCES INC  
Prop Identifier : 16713 INDIAN BASIN FEDERAL F  
API Well Identifier : 30 15 10710 Well No : 001  
Surface Locn - UL : K Sec : 25 Twp : 21S Range : 23E Lot Idn :  
Multiple comp (S/M/C): S TVD Depth (Feet) : 99999 MVD Depth (Feet):  
Spud Date : P/A Date :  
Casing/Linear Record:

S Size (inches)	Grade Weight (lb/ft)	Depth(ft) Top-Liner	Depth(ft) Bot-Liner	Hole Size (inches)	Cement (Sacks)	TOC (feet)	Code
99.000	99.0	99999.0	99999.0	99.000	9999	99999	C

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 COMMENT	PF10 TLOG	PF11	PF12

CMD :  
OG6IWCM

ONGARD  
INQUIRE WELL COMPLETIONS

07/05/96 07:51:00  
OGOMES -EMEY

API Well No : 30 15 10710 Eff Date : 01-01-1995 WC Status : A  
Pool Idn : 33685 INDIAN BASIN;UPPER PENN (ASSOC)  
OGRID Idn : 20305 SANTA FE ENERGY RESOURCES INC  
Prop Idn : 16713 INDIAN BASIN FEDERAL F

Well No : 001  
GL Elevation: 3793

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : K	25	21S	23E	FTG 1500 F S	FTG 1500 F W		A

Lot Identifier:  
Dedicated Acre: 320.00  
Lease Type : F  
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

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

OGRID Idn : 20305 API Well No: 30 15 10710 APD Status(A/C/P): A  
Opr Name, Addr: SANTA FE ENERGY RESOURCES INC Aprvl/Cncl Date : 01-01-1995  
550 W. TEXAS SUITE 1330  
MIDLAND,TX 79701

Prop Idn: 16713 INDIAN BASIN FEDERAL F Well No: 1

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----	-----
Surface Locn :	K	25	21S	23E			FTG 1500 F S	FTG 1500 F W
OCD U/L :	K		API County :	15				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : R  
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 3793

State Lease No: Multiple Comp (Y/N) : S  
Prpsd Depth : Prpsd Frmtn :

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12