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

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue

UNITED STATES Artesia, N.W. 38210

DEPARTMENT OF THE INTERIOR

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\*See Instructions On Reverse Side

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

#### State of New Mexico

Energy, Minerals and Natural RESOURCES COMPORATION Department

Form C-102
Revised March 10, 1994
Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

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, N.M. 87504-2088

#### OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

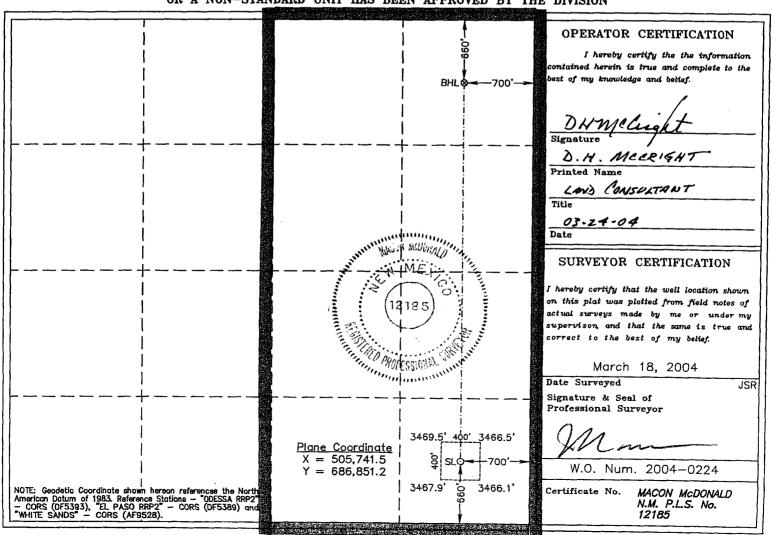
API	PI Number Pool Code Pool Name										
		WILDCAT									
Property C	Property Code				Property 1	lame	₽		Well Nur	nber	
[			FED-COM 1625					#261			
	OGRID No.			Operator Name						Elevation	
218885			PERENCO LLC						3468		
Surface Location											
UL or lot No.	Section	Township	Range	Lot Idn	Feet from th	e	North/South line	Feet from the	East/West line	County	

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Р	26	16 S	25 E		660	SOUTH	700	EAST	EDDY

#### Bottom Hole Location If Different From Surface

	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	Α	26	16 S	25 E		660	NORTH	700	EAST	EDDY
Dedicated Acres   Joint or Infill   Consolidation Code				ode Ore	ler No.			<del></del>		
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



#### PERENCO LLC FED-COM 1625 #261 Eddy County, New Mexico

#### 1. GEOLOGIC NAME OF SURFACE FORMATION:

Quaternary Alluvium

#### 2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Chalk Bluff	0-200'
San Andres	750'
Glorieta	1,885'
Tubb	3,370°
Abo	4,040°
Abo Pay	5,080'
Wolfcamp	5,170'
TD	5,500'

#### 3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Quanternary Alluvium	0-200'	Fresh Water
San Andres	750'	Oil
Glorieta	1,885'	Oil/Gas
Tubb	3,370'	Oil/Gas
Abo Pay	5,080'	Gas

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 13-3/8" casing at 350' and circulating cement back to surface, and 9-5/8" casing will be set at 1100' with cement circulated back to surface

#### 4. CASING PROGRAM

Hole Size	<u>Interval</u>	OD Casing	Weight Grade Jt.
17-1/2"	0-350'	13-3/8"	48# H-40 ST&C
12-1/4"	0-1100'	9-5/8"	40# N-80 LT&C
8-3/4"	0-5500'	7"	26# J-55 LT&C
6-1/8"	4800-9000'	4-1/2"	11.35# N-80 HDL - Horizontel Lateral
	3960		3960. Displacement
Composition	D		

**Cementing Program:** 

17-1/2" Surface Casing: Cement to surface with 400 sx Class C w/ 2% CaCl

9-5/8" Intermediate: Cement to surface. Lead with 375 sx 65/35 Class C

Poz + 5% NaCl + .25#/sk Celloflake + 6% Bentonite. Tail with 100 sx C + 2% CaCl

7" Production: Cement w/ Lead 317 sx 50/50 Class C Poz + 5%

NaCl + 10% gel. Tail w/ 170 sx Class C

4-1/2" slotted liner: Will not be cemented

#### PERENCO LLC FED-COM 1625 #261 Eddy County, New Mexico

#### 5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

(SEE EXHIBIT #1)

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (2000 psi WP) preventer and an annular preventer (2000-psi WP). Units will be hydraulically operated and the ram-type will be equipped with blind rams on top and drill pipe rams on bottom. All BOP's and accessory equipment will be tested in accordance with Onshore Oil & Gas order No. 2. Before drilling out of 1<sup>st</sup> intermediate casing, the ram-type BOP and accessory eqipment will be tested to 2000/1000 psi and the annular to 2000 psig pressure.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

#### 6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

The well will be drilled to TD with a Fresh Water / gel mud system. The applicable depths and properties of this system are as follows:

		Wt	Viscosity	Waterloss
<u>Depth</u>	Type	(PPG)	(sec)	(cc)
0-1100	Fresh Water (Spud Mud)	8.5	40-45	N.C.
1100-5200'	Fresh Water Gelled System	9.3	28-30	N.C.
KOP – TD	Fresh Water w/ Polymer	8.4-8.6	28	N.C.
	Sweeps			

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

#### 7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

- (A) A kelly cock will be kept in the drill string at all times.
- (B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
- (C) A mud logging unit will be continuously monitoring drilling penetration rate and hydrocarbon shows from 1100' to TD of Horizontal Lateral.

#### PERENCO LLC FED-COM 1625 #261 Eddy County, New Mexico

#### 8. LOGGING, TESTING AND CORING PROGRAM:

Electric logging will consist of GR-Dual Laterlog-MSFL and GR-Compensated Density-Neutron from TD to intermediate casing with a GR-Compensated Neutron run from Intermediate casing to surface.

## 9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND POTENTIAL HAZARDS:

The estimated bottom hole temperature (BHT) at TD is 110 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 2500 psig. No hydrogen sulfide or other hazardous gasses or fluids have been encountered, reported or are known to exist at this depeth in this area. No major lost circulation zones have been reported in offsetting wells.

#### 10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

The drilling operation should be finished in approximately one month. If the well is productive, an additional 30-60 days will be required for completion and testing before a decision is made to install permanent facilities.

#### PERENCO LLC FED-COM 1625 #261 Eddy County, New Mexico

#### SURFACE USE AND OPERATIONS PLAN

#### 1. EXISTING ROADS:

Access to location will be made as shown on Exhibit #2

Routine grading and maintenance of existing roads will be conducted as necessary to maintain their condition as long as any operations continue on this lease.

#### 2. PROPOSED ACCESS ROAD:

3706' of new road is required. (2478' on Federal Lands) Exhibit #2a(1) (2)

No turnouts necessary.

No culverts, cattleguards, gates, low-water crossings are necessary.

Surfacing material consists of native caliche to be obtained from the nearest BLM-approved caliche pit. Any additional materials required will be purchased from the dirt contractor.

#### 3. LOCATION OF EXISTING WELLS:

Exhibit #3 shows all existing wells within a one-mile radius of this well.

#### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

There are no existing production facilities. If production is encountered, a temporary facility will be established on the drill pad, and if warranted, a production facility would be built at a later date in the immediate area of the drill pad location. If the well is productive, the flowline would also be located on the drill-pad site and no additional disturbance will occur.

#### 5. LOCATION AND TYPE OF WATER SUPPLY:

Fresh water for drilling will come from commercial sources and transported to the well site over the roads as shown on Exhibit #2.

#### 6. PLANS FOR RESTORATION OF THE SURFACE:

After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Location will be cleaned of all trash and junk to leave the well in an aesthetically pleasing condition as possible.

#### PERENCO LLC FED-COM 1625 #261 Eddy County, New Mexico

Any unguarded pits containing fluid will be fenced until they are dry and back filled.

After abandonment of the well, surface restoration will be in accordance with current federal laws and regulations. Location will be cleaned, and the well pad removed to promote vegetation and disposal of human waste will be complied with. Trash, waste paper, garbage and junk will be hauled to an approved disposal site in an enclosed trash trailer.

All trash and debris will be removed from the well site within 30 days after finishing drilling and/or completion operations.

#### 7. ANCILLARY FACILITIES:

No airstrip, campsite, or other facilities will be built.

#### 8. WELL SITE LAYOUT:

Exhibit #4 shows the relative location and dimensions of the well pad.

#### OTHER INFORMATION:

The area around the well site is grassland and the topsoil is duned and sandy. The vegetation is native scrub grasses with abundant oakbrush, sagebrush, yucca, and prickly pear.

#### **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 Perenco LLC and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

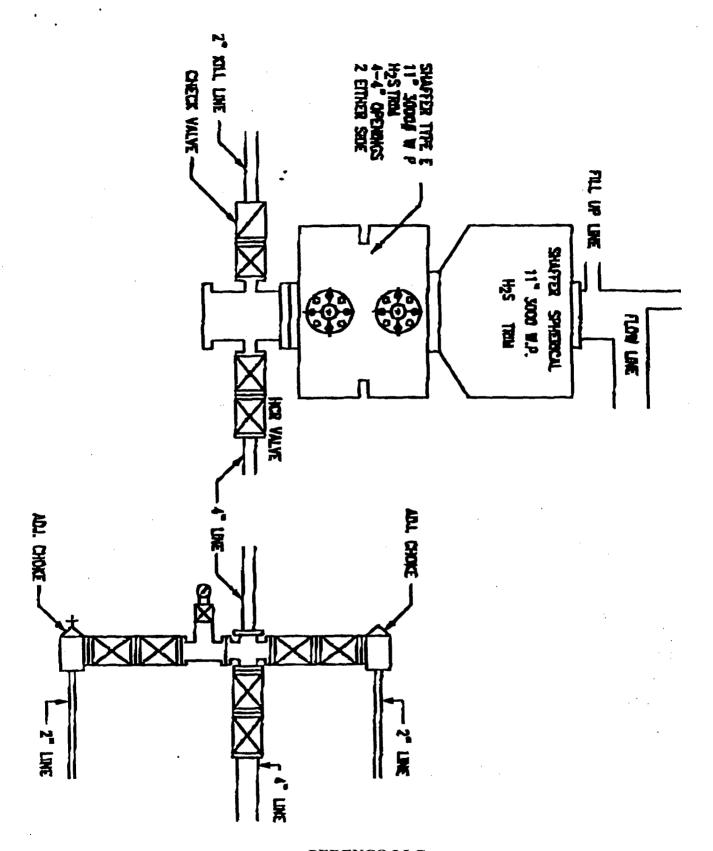
David G. Grafe
District Manager

J. Trafe

### PERENCO LLC FED-COM 1625 #261 Eddy County, New Mexico

#### **ATTACHMENT TO EXHIBIT #1**

- 1. Blow out preventer and all fittings must be in good condition, 2000 psi W.P. minimum.
- 2. Safety valve must be available on rig floor at all times with proper connections, valve to be full bore 3000 psi W.P. minimum.
- 3. All choke and fill lines to be securely anchored especially ends of choke lines.
- 4. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.
- 5. Kelly cock on kelly.
- 6. Extension wrenches and hand wheels to be properly installed.
- 7. Blow out preventer control to be located as close to driller's position as feasible.
- 8. Blow out preventer closing equipment to include minimum 40-gallon accumulator, two independent sources of pump power on each closing unit installation, and meet all API specifications.

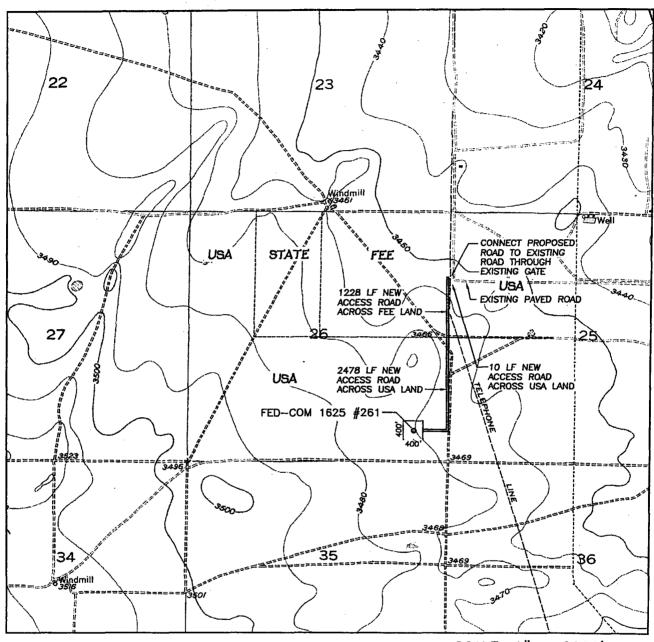


PERENCO LLC

FED-COM 1625 #261 EDDY CO., NM

**EXHIBIT 1** 

## **VICINITY MAP**



PERENCO LLC

SCALE: 1" = 2000' CONTOUR INTERVAL = 10'

 SEC. 26 TWP. 16-S RGE. 25-E
 FED-COM 1625 #261

 SURVEY N.M.P.M.
 EDDY CO., NM

 COUNTY EDDY
 EXHIBIT 2

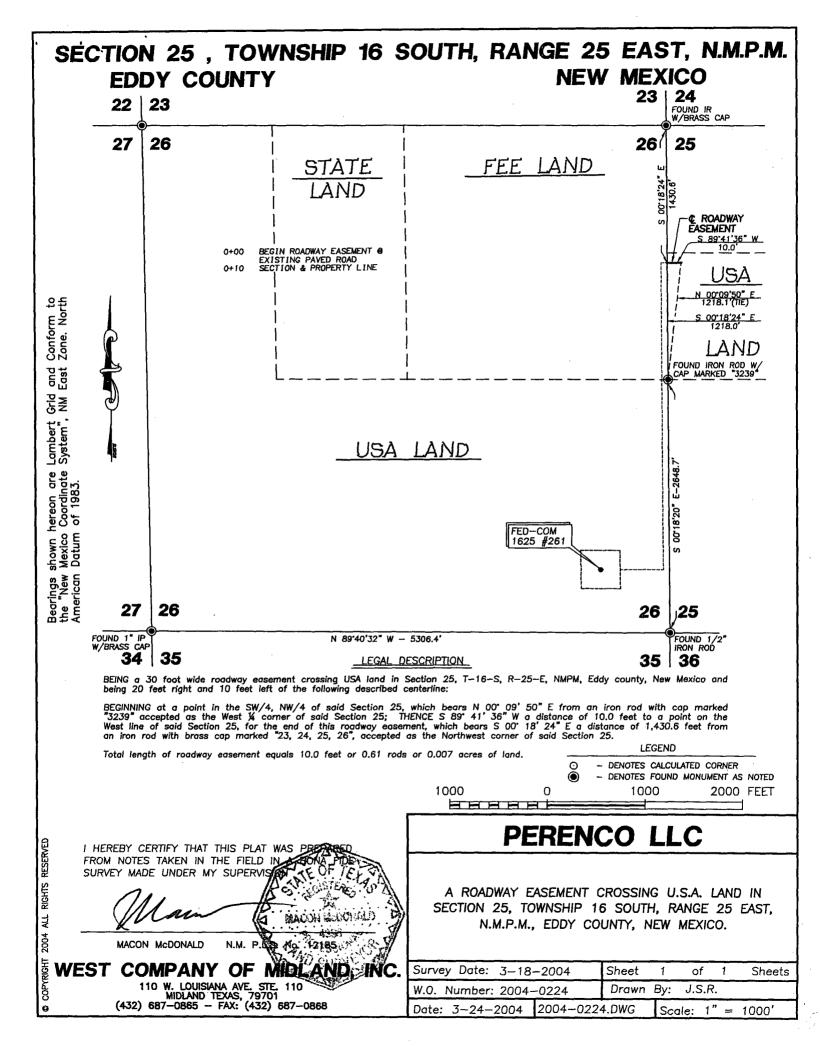
 DESCRIPTION 660' FSL & 700' FEL
 ELEVATION 3468'

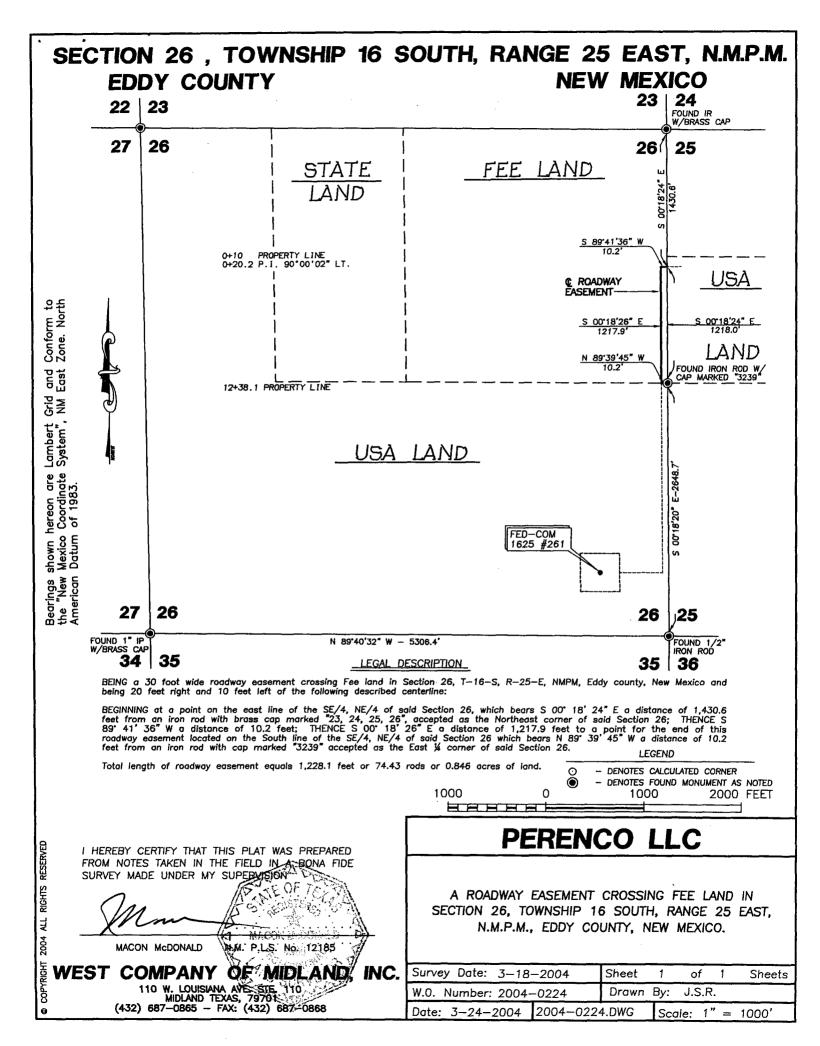
OPERATOR PERENCO LLC

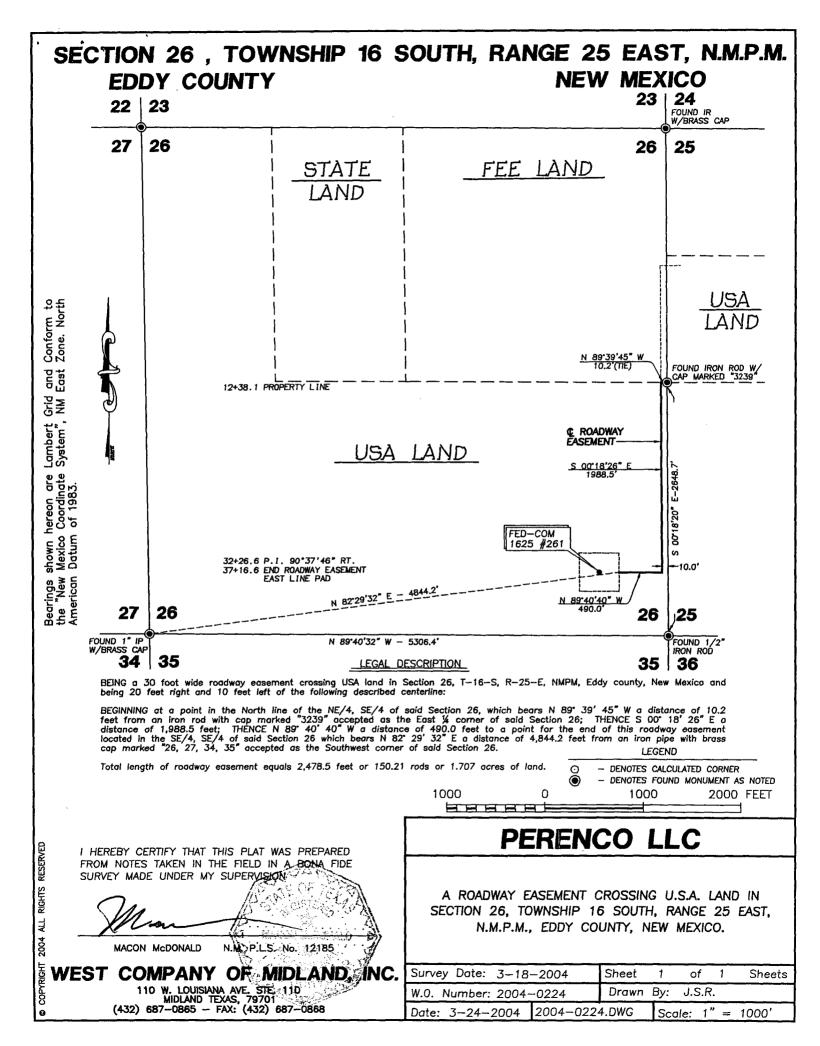
LEASE FED-COM 1625

# WEST COMPANY of Midland, Inc.

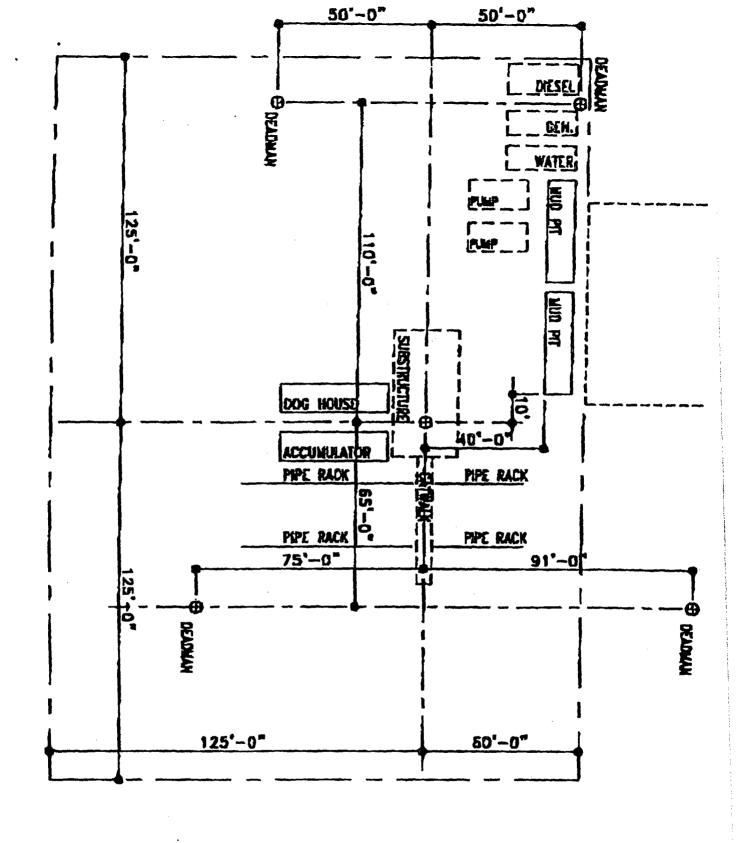
110 W. LOUISIANA, STE. 110 MIDLAND TEXAS, 79701 (432) 687-0865 - (432) 687-0868 FAX



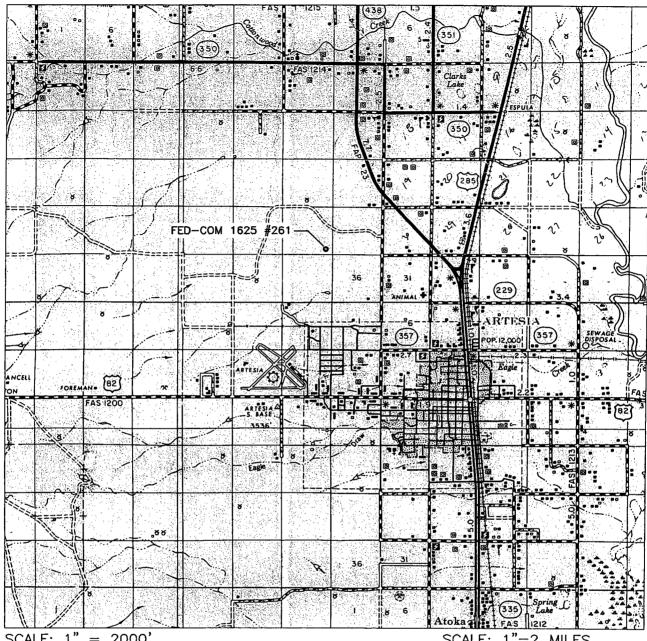




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## LOCATION VERIFICATION MAP



SCALE: 1" = 2000

ESPUELA, N.M.

SCALE: 1"=2 MILES

SEC. 26 TWP. 16-S RGE. 25-E							
SURVEYN.M.P.M.							
COUNTY EDDY							
DESCRIPTION 660' FSL & 700' FEL							
ELEVATION 3468'							
OPERATOR PERENCO LLC							
LEASE FED-COM 1625							
U.S.G.S. TOPOGRAPHIC MAP							



## **WEST COMPANY** of Midland, Inc.

110 W. LOUISIANA, STE. 110 MIDLAND TEXAS, 79701 (432) 687-0865 - (432) 687-0868 FAX



# United States Department of the Interior 2004 \$77 -5 \$11 9:56

#### **BUREAU OF LAND MANAGEMENT**

ROSWELL FIELD OFFICE 2909 West Second Street Roswell, New Mexico 88201

Statement Accepting Responsibility for Operations

Operator Name:

Perenco LLC

Street or Box:

6 Desta Drive, Suite 6800

City, State:

Midland, TX

Zip Code:

79705

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No.:

NM93180

Legal Description of land:

Section 26, T-16-S, R-25-E

Eddy County, NM

Formations(s) (if applicable).SL: 660' FSL & 700' FEL Unit P

Wolfcamp

Bond Coverage: (State, Nationwide or Individual)

Statewide

Dorma Cusht

BLM Bond File No.:

NMB000094

Authorized Signature:

Title:

Consultant

Date:

03/30/04