

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0136
Expires: February 25, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NMNM 19859	
2. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. NAME OF OPERATOR Enron Oil & Gas Company			7. UNIT AGREEMENT NAME	
4. ADDRESS AND TELEPHONE NO. P. O. Box 2267, Midland, TX 79702 (915) 694-8228			8. FARMOR LEASE NAME WELL NO. Triste Draw "3" Fed. No.	
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 990 FNL & 2310 FWL (Unit C) At proposed prod. zone 990 FNL & 2310 FWL			9. AP WELL NO. 30-025-34518	
6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 25 miles West from Jal			10. FIELD AND POOL OR WILDCAT Triste Draw Johnson Ranch Wolfcamp	
7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 990'			11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 3, 25S, 33E	
8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A			12. COUNTY OR PARISH Lea	
9. ELEVATIONS (Show whether DF, RT, GR, etc.) 3462'			13. STATE NM	
10. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A			14. NO. OF ACRES IN LEASE 320	
11. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A			15. NO. OF ACRES ASSIGNED TO THIS WELL 320	
12. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A			16. ROTARY OR CABLE TOOLS Rotary	
13. ELEVATIONS (Show whether DF, RT, GR, etc.) 3462'			17. APPROX. DATE WORK WILL START September 30, 1998	

CARLSBAD CONTROLLED WATER BASIN

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8 H40A ST&C	42#	650	550 CL C to Surface
12 1/4	9 5/8 J55 LT&C	40#	5000	1000 Prem+250 CL C to Surface
8 3/4	7 P110 LT&C	26#	12700	500 CL H TOC: 4500±
6 1/8	3 1/2 P105 CSHYD	9.3#	14000	500 CL H TOC: 12300

The Undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on leased land or portions thereof as shown below:

Federal Bond # is MT 0748 with endorsement to New Mexico

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATION
ATTACHED

OPEN GRID NO. 7377
PROPERTY NO. 23820
POOL CODE 86790
EFF. DATE 10-28-98
API NO. 30-025-34518

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.

SIGNED Linda Johnston TITLE Agent DATE 9/18/98

(This space for Federal or State office use)

PERMIT NO. Chris Williams 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:

Acting

(ORIG. SGD.) ARMANDO A. LOPEZ

Assistant Field Office Manager,
Lands and Minerals

APPROVED BY _____ TITLE _____ DATE OCT 21 1998

*See Instructions On Reverse Side

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-34518	² Pool Code 86790	³ Pool Name Triste Draw Johnson Ranch Wolfcamp
⁴ Property Code 23820	⁵ Property Name TRISTE DRAW "3" FEDERAL No. 1	
⁷ GRID No. 7377	⁸ Operator Name ENRON OIL & GAS COMPANY	⁶ Well Number 1
		⁹ Elevation 3462'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	3	25-S	33-E		990	NORTH	2310	WEST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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

¹⁶ <p>2310'</p> <p>990'</p> <p>ENRON OIL & GAS COMPANY TRISTE DRAW "3" FEDERAL NO. 1</p> <p>LAT. = 32° 09' 50.4" LONG. = 103° 33' 38.8" Y = 424242.0 X = 739061.0</p>	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Linda Johnston Printed Name Agent Title 9/18/98 Date	
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to best of my belief. Date of Survey 9-14-98 Signature and Seal of Registered Professional Land Surveyor: Certificate Number 8278	

DRILLING PROGRAM

ENRON OIL & GAS COMPANY
TRISTE DRAW "3" FED. NO. 1
990' FNL & 2310' FWL
SEC. 3, T25S, R33E
LEA COUNTY, NM

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Delaware	5175'
Bone Spring	9150'
First Bone Spring Sd	9950'
2 nd Bone Spring Sd	10850'
3 rd Bone Spring Sd	11950'
Wolfcamp Marker	12400'
Wolfcamp Pay	13250'
Penn Marker	13800'

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

Upper Permian Sands	100'	Fresh Water
Upper Penn		Gas

4. CASING PROGRAM:

<u>Hole Size</u>	<u>Interval</u>	<u>OD Casing</u>	<u>Weight Grade Jt. Cond. Type</u>
17 1/2"	0-650'	13 3/8"	42# H-40 A ST&C
12 1/4"	0-5000'	9 5/8"	40# J-55 LT&C
8 3/4"	0-12700'	7"	26# P110 L&TC
6 1/8"	0-14000'	3 1/2"	9.3# P105 CSHYD

Cementing Program:

13 3/8" Surface Casing:	Cement to surface with 300 sx CL C 50/50 Poz + 10% gel & 8#/sx salt & 1/4#/sx flocele followed by 250 sx CL C + 2% CaCl ₂
9 5/8" Intermediate:	Cement to surface with 1000 sx Premium 50/50 poz + 10% gel, +8#/sx salt+1/4#/sx flocele and 250 sx CL C + 2% CaCl ₂
7" Production Casing:	Cement w/800 sx CL H + 3% Econolight + 5#/sx salt + 1/4#/sx flocele followed by 200 sx Prem 50/50poz + 0.5% Halad-477 + 0.25#/sx D-air-1 + .17% HR-5 + 0.5#/sx CaCl. This is designed to bring TOC to 4500' +/-
3 1/2" Casing:	225 sx Prem+ 3/4% Halad 413- + .3% Halad 344+ .3% SER-100

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LEA COUNTY, NM

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

(SEE EXHIBIT #1 and #2)

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (5000 psi WP) preventer and an annular preventer (5000 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 to 600 psi before drilling out of surface casing. Before drilling out of intermediate casing, the ram-type BOP and accessory equipment will be tested to 5000/1000 psi and the annular to 3500/5000 psig pressure. The blowout preventer equipment (BOP) shown in Exhibit 2 will consist of a double ram-type (10,000 psi up) preventer and an annular preventer (10,000 psi up) from 12,700' to TD.

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 combination of brine, cut brine, and polymer/KCL mud system. The applicable depths and properties of this system are as follows:

<u>Depth</u>	<u>Type</u>	<u>Wt</u> <u>(ppg)</u>	<u>Viscosity</u> <u>(sec)</u>	<u>Waterloss</u> <u>(cc)</u>
0-650'	Fresh Water (spud)	8.5	40-45	N.C.
650'-5000'	Brine Water	10.0	30	N.C.
5000'-12700'	Fresh Water	8.4	28	N.C.
12700'-14000'	Brine & Polymer xcd	10-14.0	28/45	0/<1 CC

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 frill 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 complete with H2S detector will be continuously monitoring drilling perpetration rate and hydrocarbon shows from 2000' to TD.

8. LOGGING, TESTING AND CORING PROGRAM:

DRILLING PROGRAM

**ENRON OIL & GAS COMPANY
TRISTE DRAW "3" FED. NO. 1
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SEC. 3, T25S, R33E
LEA COUNTY, NM**

(A) The electric logging program will consist of GR-Dual Induction Focused and GR-Compensated Density-Neutron from TD to intermediate casing with a GR-Compensated Neutron run from intermediate casing to surface and Sonic from TD to Intermediate casing.

(B) Possible side-wall cores based on shows.

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

No abnormal pressures or temperatures are anticipated. The estimated bottom hole temperature (BHT) at TD is 175 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 3800 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. No major loss 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 week. If the well is productive, an additional 30-45 days will be required for completion and testing before a decision is made to install permanent facilities.

DRILLING PROGRAM

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TRISTE DRAW "3" FED. NO. 1
990' FNL & 2310' FWL
SEC. 3, T25S, R33E
LEA COUNTY, NM**

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:

1200 feet of new road is required.

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:

Water for drilling will be purchased 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

DRILLING PROGRAM

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LEA COUNTY, NM**

will be cleaned of all trash and junk to leave the well in an aesthetically pleasing condition as possible.

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 wellpad 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.

ANCILLARY FACILITIES:

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

WELL SITE LAYOUT:

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

DRILLING PROGRAM

**ENRON OIL & GAS COMPANY
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990' FNL & 2310' FWL
SEC. 3, T25S, R33E
LEA COUNTY, NM**

OTHER INFORMATION:

The area around the well site is grassland and the top soil 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 Enron Oil & Gas Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

W. D. Smeltzer
Drilling Manager



Date: 9-18-88

DRILLING PROGRAM

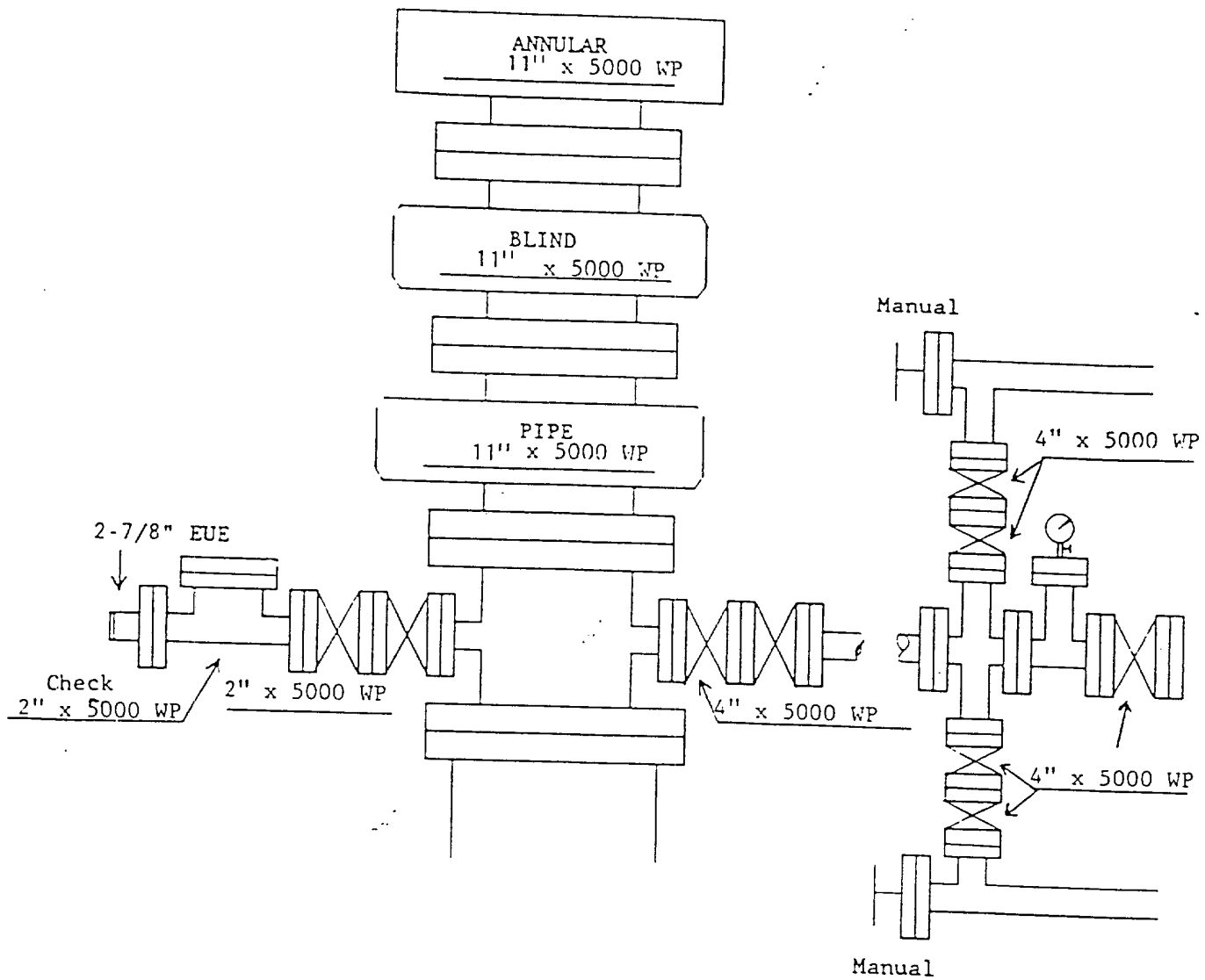
**ENRON OIL & GAS COMPANY
TRISTE DRAW "3" FED. NO. 1
990' FNL & 2310' FWL
SEC. 3, T25S, R33E
LEA COUNTY, NM**

ATTACHMENT TO EXHIBIT #1

1. Drilling nipple to be so constructed that it can be removed without use of a welder through rotary table opening, with minimum I.D. equal to preventer bore.
2. Wear ring to be properly installed in head.
3. Blow out preventer and all fittings must be in good condition, 5000 psi W.P. minimum. Exhibit #1 and 10,000 psi W.P. minimum, Exhibit #2.
4. All fittings to be flanged
5. Safety valve must be available on rig floor at all times with proper connections, valve to be full bore 5000 psi W.P. minimum.
6. All choke and fill lines to be securely anchored, especially ends of choke lines.
7. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.
8. Kelly cock on kelly.
9. Extension wrenches and hand wheels to be properly installed.
10. Blow out preventer control to be located as close to driller's position as feasible.
11. 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.

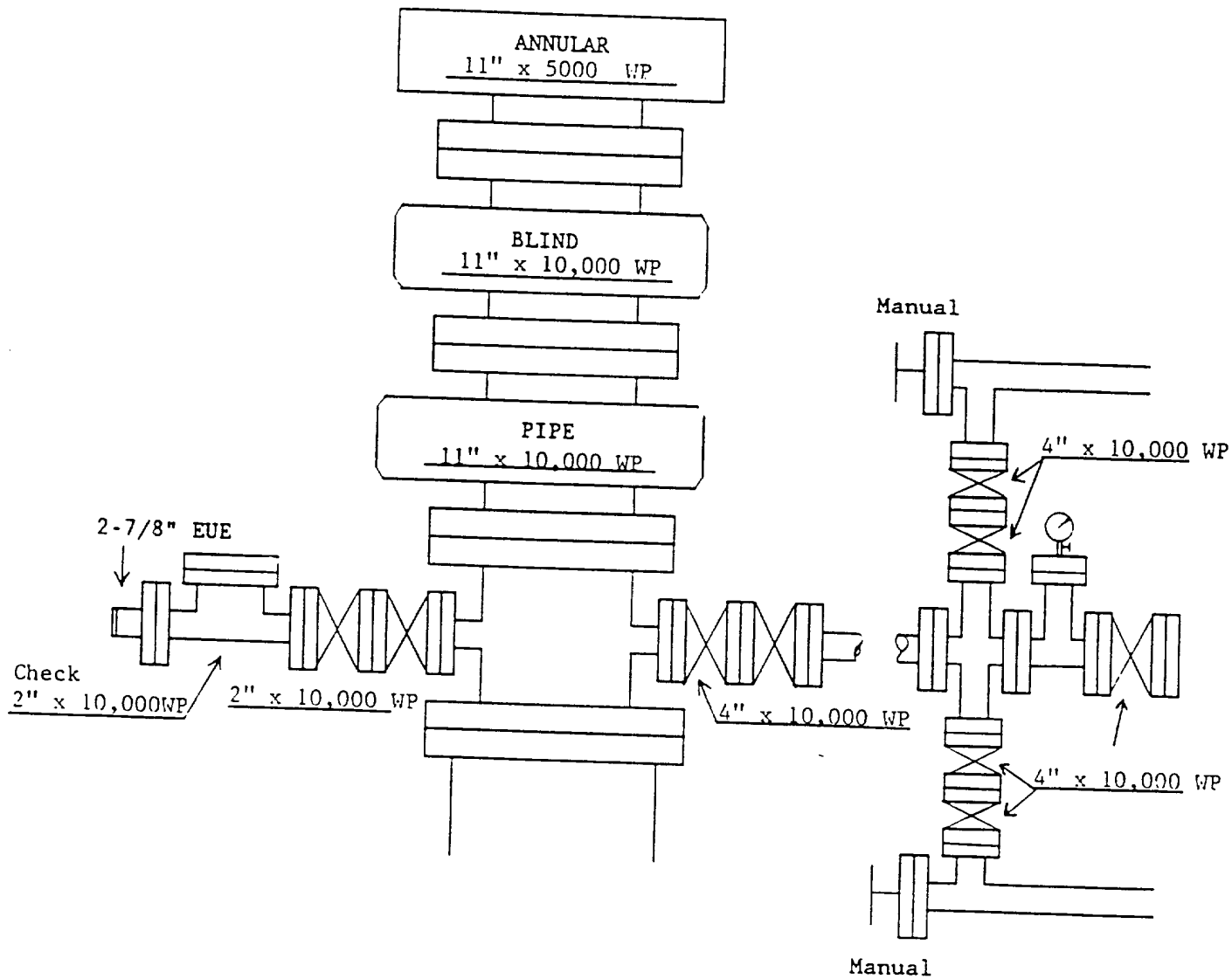
ENRON OIL & GAS COMPANY
TRISTE DRAW "3" FED. NO. !

EXHIBIT 1

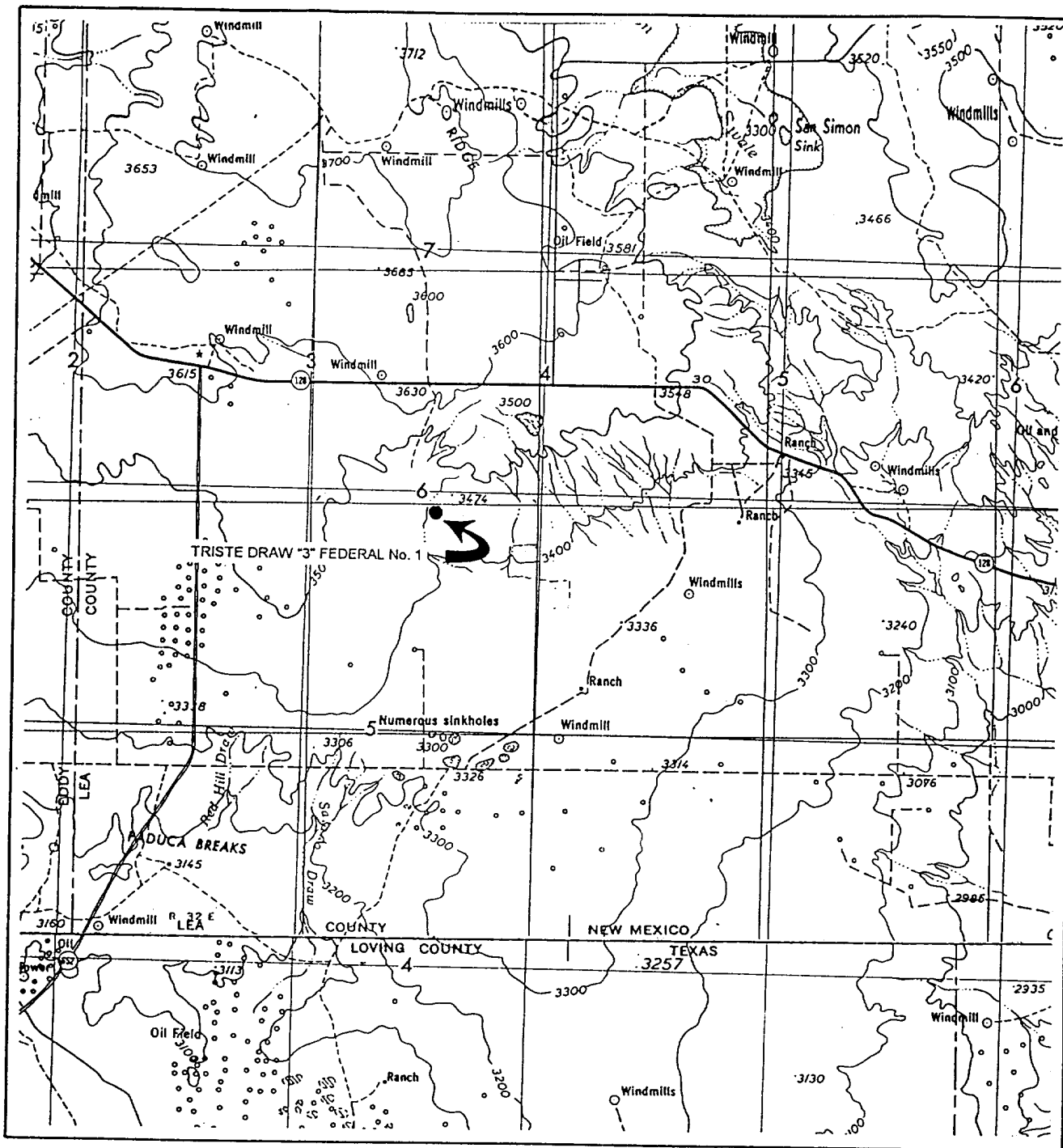


ENRON OIL & GAS COMPANY
TRISTE DRAW "3" FED. NO. 1

EXHIBIT 2



VICINITY MAP



OWTC 45391

SCALE: 1" = 4 MILES

SEC. 3 TWP. 25-S RGE. 33-E

SURVEY N.M.P.M

COUNTY LEA STATE NM

DESCRIPTION 990' FNL & 2310' FWL

ELEVATION 3462'

OPERATOR ENRON OIL & GAS COMPANY

LEASE TRISTE DRAW '3' FEDERAL NO. 1

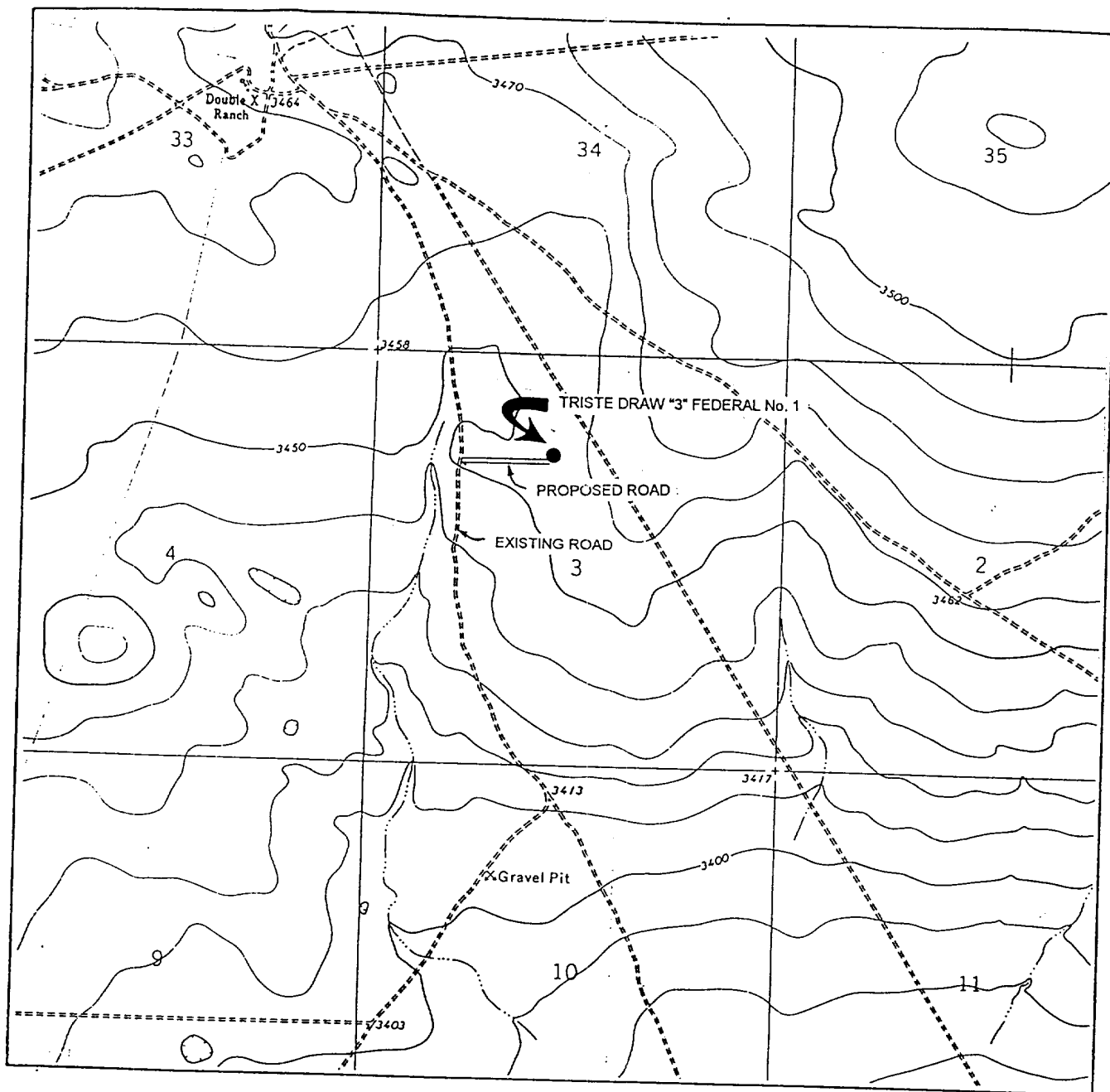
WEST TEXAS CONSULTANTS, INC.

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800

LOCATIC VERIFICATION MAP



SCALE: 1" = 2000'
WTC 45391

SEC. 3 TWP. 25-S RGE. 33-E

CONTOUR INTERVAL 10'

SURVEY N.M.P.M

COUNTY LEA STATE NM

DESCRIPTION 990' FNL & 2310' FWL

ELEVATION 3462'

OPERATOR ENRON OIL & GAS COMPANY

LEASE TRISTE DRAW #3 FEDERAL NO. 1

USGS TOPO MAP
BELL LAKE, NEW MEXICO

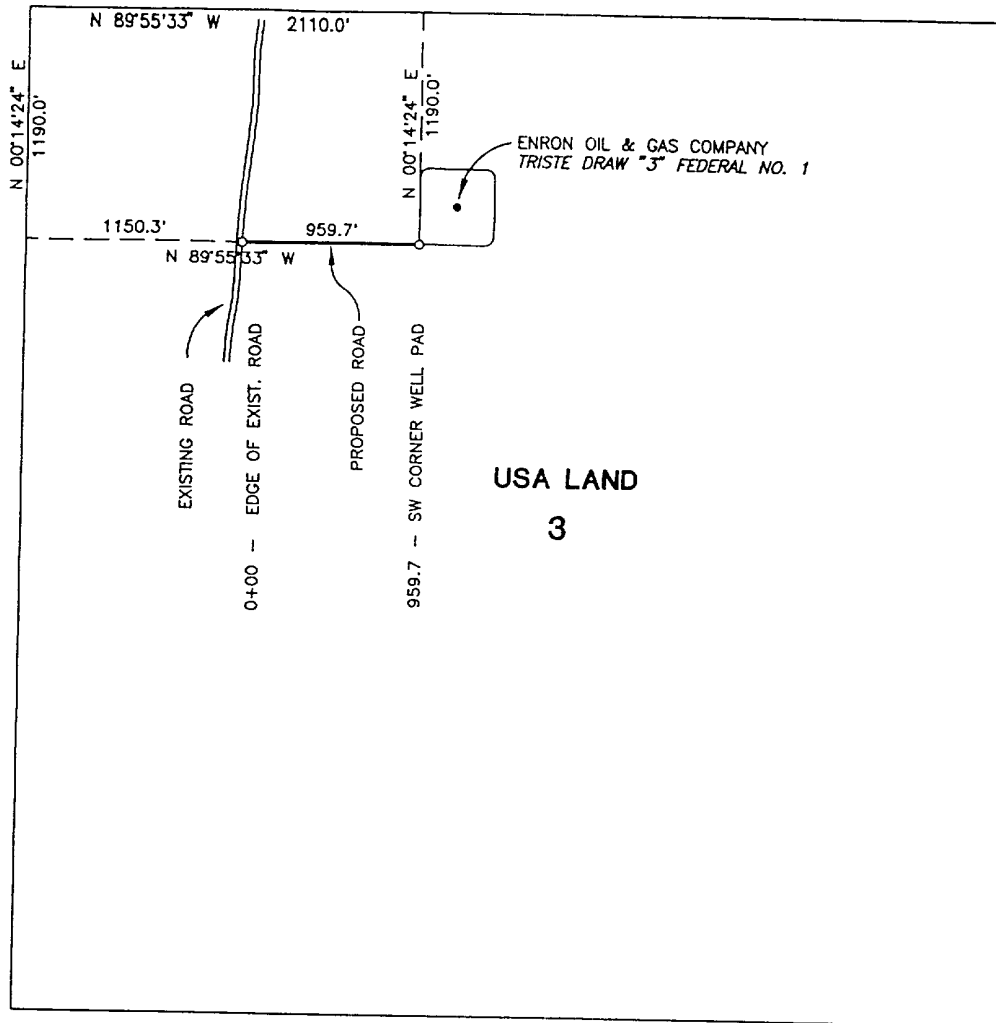
WEST TEXAS CONSULTANTS, INC.

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800

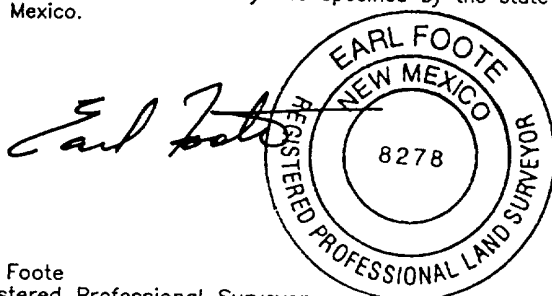
SECTION 3, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO



CENTERLINE DESCRIPTION OF A PROPOSED ROAD:

BEGINNING at a point in an existing road, from which point the northwest corner of Section 3, T-25-S, R-33-E, N.M.P.M., Lea County, New Mexico, bears N 89° 55' 33" W, 1150.3 feet and N 00° 14' 24" E, 1190.0 feet;
THENCE S 89° 55' 33" E, with the centerline of proposed road, 959.7 feet to a point in the southwest corner of a well pad for Enron Oil & Gas Company TRISTE DRAW "3" FEDERAL No. 1, for the end of this road, from which point the northwest corner of said Section 3 bears N 00° 14' 24" E, 1190.0 feet and N 89° 55' 33" W, 2110.0 feet.

I hereby certify that this plat was prepared from an actual survey made on the ground and meets or exceeds all requirements for land surveys as specified by the state of New Mexico.



Earl Foote
Registered Professional Surveyor
New Mexico Certificate No. 8278

PROPOSED ROAD TO SERVE
TRISTE DRAW "3" FEDERAL No. 1

ENRON OIL AND GAS COMPANY

959.7 feet of proposed road in
Section 3, T-25-S, R-33-E, N.M.P.M.,
Lea County, New Mexico

WEST TEXAS CONSULTANTS, INC.

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

Survey Date: 9-10-98	Date: 9-14-98	Scale: 1" = 1000'
WTC No. 45391	Drawn By: JJJ	Sheet 1 of 1

TRISTE DRAW "3" FED. NO. 1

EXHIBIT 4

