

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-30400	
b. 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	
2. NAME OF OPERATOR Enron Oil & Gas Company		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 2267 Midland, TX 79702		8. FARM OR LEASE NAME, WELL NO. Triste Draw "11" Fed No. 1	
4. LOCATION OF WELL (Report location clearly and in accordance w At surface 1.980' FSL & 1.980' FWL At proposed prod. zone 1.980' FSL & 1.980' FWL (Unit K)		9. API WELL NO. 30-025-34635	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 25 miles west from Jal		10. FIELD AND POOL, OR WILDCAT Johnson Ranch Wolfcamp	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1.980		11. SEC., T., R., M., OR BLK/ AND SURVEY OR AREA Sec 11, T25S, R33E	
16. NO. OF ACRES IN LEASE 1399.893		12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320.00		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3.000		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, or both) 3377' CARLSBAD CONTROLLED WATER BASIN		22. APPROX. DATE WORK WILL START* June 1, 1999	

23. PROPOSED CASING AND CEMENTING PROGRAM					
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
14-3/4	11-3/4 H40	STC 42#	650	350 CL C to Surface	
11	8-5/8 J55	L&TC 32#	4000	1050 C Prem +	
11	8-5/8 HCK	L&TC 32#	5000	to Surface	
7-7/8	5-1/2 S95/P110	L&TC 17#	12800	1180 Prem TOC: 4500+/-	
4-3/4	2-7/8 P-N CS-EUE	6.5#	14000	TOC @ 12,300'	

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

NM-30400
Section 11, T25S, R33E NMPH
Lea County, NM

Federal Bond # 1s MT 0748 with
endorsement to New Mexico

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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.

24. SIGNED Mike Vane TITLE Agent DATE 4/7/99

(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:

Acting

Assistant Field Office Manager,
Lands and Minerals

MAY 24 1999

APPROVED BY (ORIG. SGD.) ARMANDO A. LOPEZ 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.

ROSWELL/MD
BIM

APR 20 99

RECEIVED

DRILLING PROGRAM

ENRON OIL & GAS COMPANY
TRISTE DRAW "11" FEDERAL NO. 1
1,980' FSL & 1,980' FWL
SEC. 11, 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

Hole Size	Interval	OD Casing	Weight Grade Jt. Cond. Type
14 3/4"	0-650'	11 3/4"	42# H-40 ST&C
11"	0-4000'	8 5/8"	32# J-55 LT&C
11"	4000-5000'	8-5/8"	32# HCK LT&C
7 7/8"	0-12800'	5 1/2"	17# S95/P110 L&TC
4 3/4"	0-14000'	2 7/8"	6.5# N80/P105

Cementing Program:

11 3/4" Surface Casing:	Cement to surface with 200 sx Prem Plus, 3% Econolite, 25 Calcium Chloride, 0.25#/sx Flocele, 150 sx Prem Plus, 2% Calcium Chloride
8 5/8" Intermediate:	Cement to surface with 800 sx Interfill C, .25#/sx flocele, 250 sx Premium Plus, 2% Calcium Chloride
5 1/2" Production Casing:	Cement w/850 sx Premium, 35 Econolite, 5#/sx Salt (3%), .25#/sx Flocele, 250 sx Prem 50/50 Poz mix 'A', 2% Halliburton-Gel First 2%, 0.5% Halad-322, 0.2% HR-5. This is designed to bring TOC to 4500' +/-, plus 250 sx Prem 50/50 Poz.
2 7/8" Casing:	135 sx Prem, 0.3% Halad-344, 0.3% Halad-413, 0.3% Halad-413, 0.3% Super CBL, 0.3% SCR-100 This designed to bring TOC to 12300 +/-.

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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 I 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-psi pressure. The blowout preventer equipment (BOP) shown in Exhibit II 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. Before drilling below 2nd Intermediate ram type BOP and accessory equipment will be tested to 10,000/1,000 psi and the annulus to 5000/1000. This equipment will be used from $\pm 12,800'$ 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 (PPG)</u>	<u>Viscosity (sec)</u>	<u>Waterloss (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.

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LEA COUNTY, NM**

- (C) A mud logging unit complete with H₂S detector will be continuously monitoring drilling penetration rate and hydrocarbon shows from 2000' to TD.

8. LOGGING, TESTING AND CORING PROGRAM:

- (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 optional Sonic from TD to Intermediate casing.

- (B) Possible sidewall 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 9000 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 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.

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SURFACE USE AND OPERATIONS PLAN

1. EXISTING ROADS:

Access to location will be made as shown on Exhibit IV

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:

2,853' 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 III 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 IV.

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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.

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 V shows the relative location and dimensions of the well pad.

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SEC. 11, T25S, R33E
LEA COUNTY, NM**

ATTACHMENT TO EXHIBIT I & II

1. Wear ring to be properly installed in head.
2. Blow out preventer and all fittings must be in good condition, 5000 psi W.P. minimum. Exhibit I and 10,000 psi W.P. minimum, Exhibit II.
3. All fittings to be flanged
4. Safety valve must be available on rig floor at all times with proper connections, valve to be full bore 5000 psi W.P. minimum.
5. All choke and fill lines to be securely anchored especially ends of choke lines.
6. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.
7. Kelly cock on kelly.
8. Extension wrenches and hand wheels to be properly installed.
9. Blow out preventer control to be located as close to driller's position as feasible.
10. 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.

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SEC. 11, T25S, R33E
LEA COUNTY, NM**

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 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

W. D. Smeltzer

Date: 4-20-88

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

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

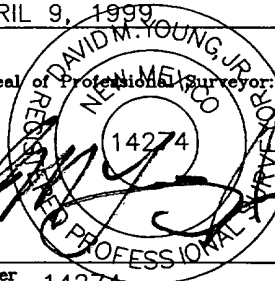
☐ AMENDED REPORT

¹ API Number 30-025-34635	² Pool Code 79335	³ Pool Name Johnson Ranch (Wolfcamp) Vaca Draw;
⁴ Property Code 24646	⁵ Property Name TRISTE DRAW "11" FEDERAL No. 1	⁶ Well Number 1
⁷ OGRID No. 7377	⁸ Operator Name ENRON OIL & GAS COMPANY	⁹ Elevation 3377'

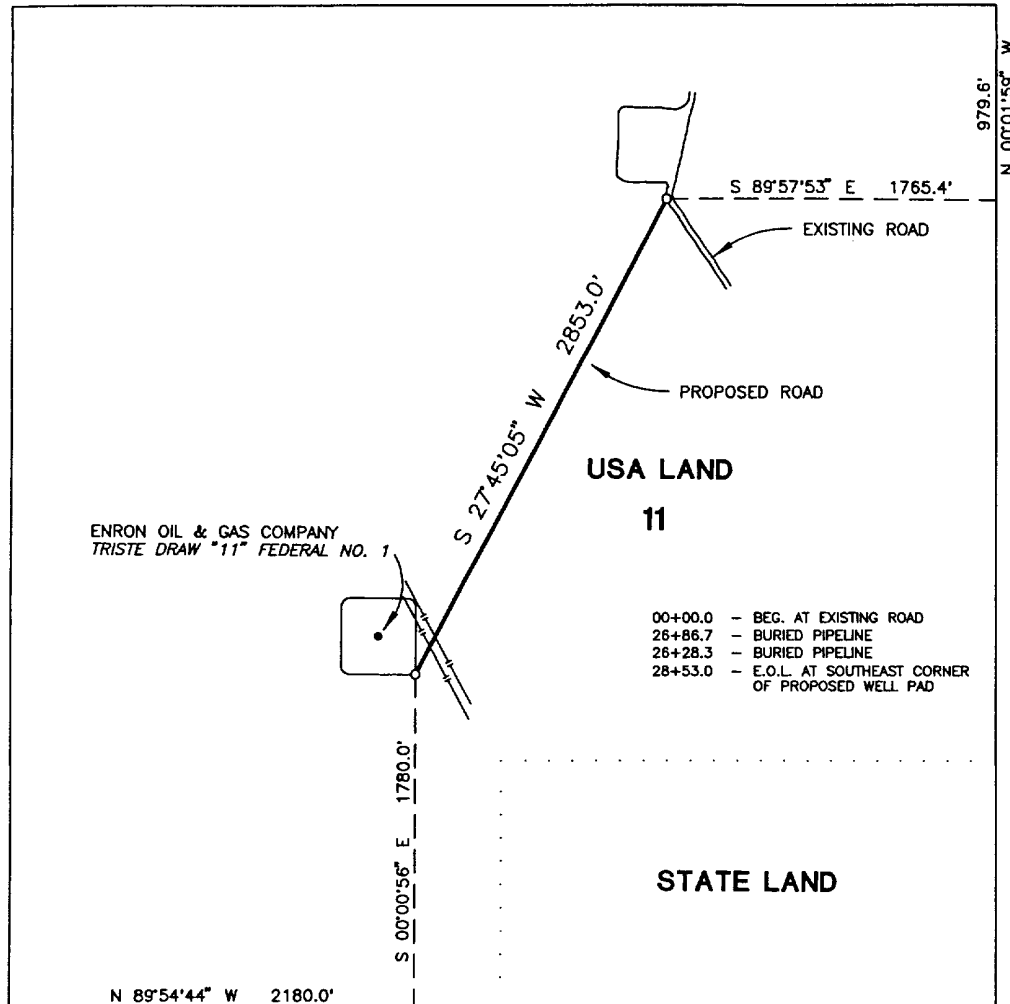
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	11	25-S	33-E		1980	SOUTH	1980	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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16			
			<p>17 OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p style="text-align: right;"><i>Mike Francis</i></p> <p>Signature _____</p> <p style="text-align: center;">Mike Francis</p> <p>Printed Name _____</p> <p style="text-align: center;">Agent</p> <p>Title _____</p> <p style="text-align: center;">4/20/99</p> <p>Date _____</p>
	1980'	1980'	<p>18 SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p style="text-align: right;">APRIL 9, 1999</p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor: _____</p> <p style="text-align: center;">  </p> <p>Certificate Number 14274</p>

SECTION 11, 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 northeast corner of Section 11, T-25-S, R-33-E, N.M.P.M., Lea County, New Mexico, bears S 89° 57' 53" E, 1765.4 feet and N 00° 01' 59" W, 979.6 feet;

THENCE S 27° 45' 05" W, with the centerline of proposed road, 2853.0 feet to a point in the southeast corner of proposed well pad for Enron Oil & Gas Company TRISTE DRAW "11" FEDERAL No. 1, for the end of this road, from which point the southwest corner of said Section 11 bears S 00° 00' 56" E, 1780.0 feet and N 89° 54' 44" W, 2180.0 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.

David M. Young, Jr.
Registered Professional Surveyor
New Mexico Certificate No. 14274

PROPOSED ROAD TO SERVE
TRISTE DRAW "11" FEDERAL No. 1

ENRON OIL AND GAS COMPANY

2853.0 feet of proposed road in
Section 11, 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: 4-08-99

Date: 4-09-99

Scale: 1" = 1000'

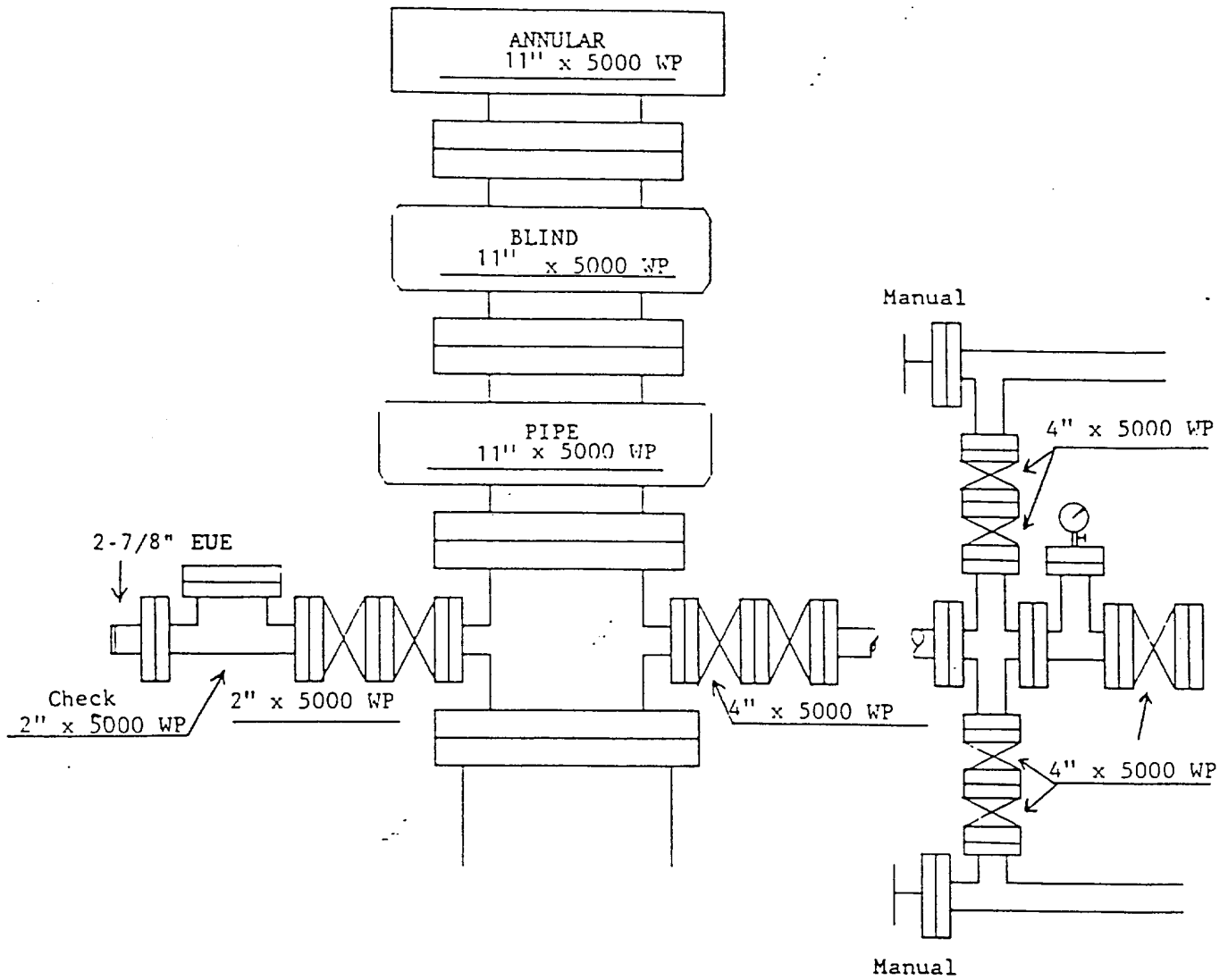
WTC No. 45565

Drawn By: J.J.L.

Sheet 1 of 1

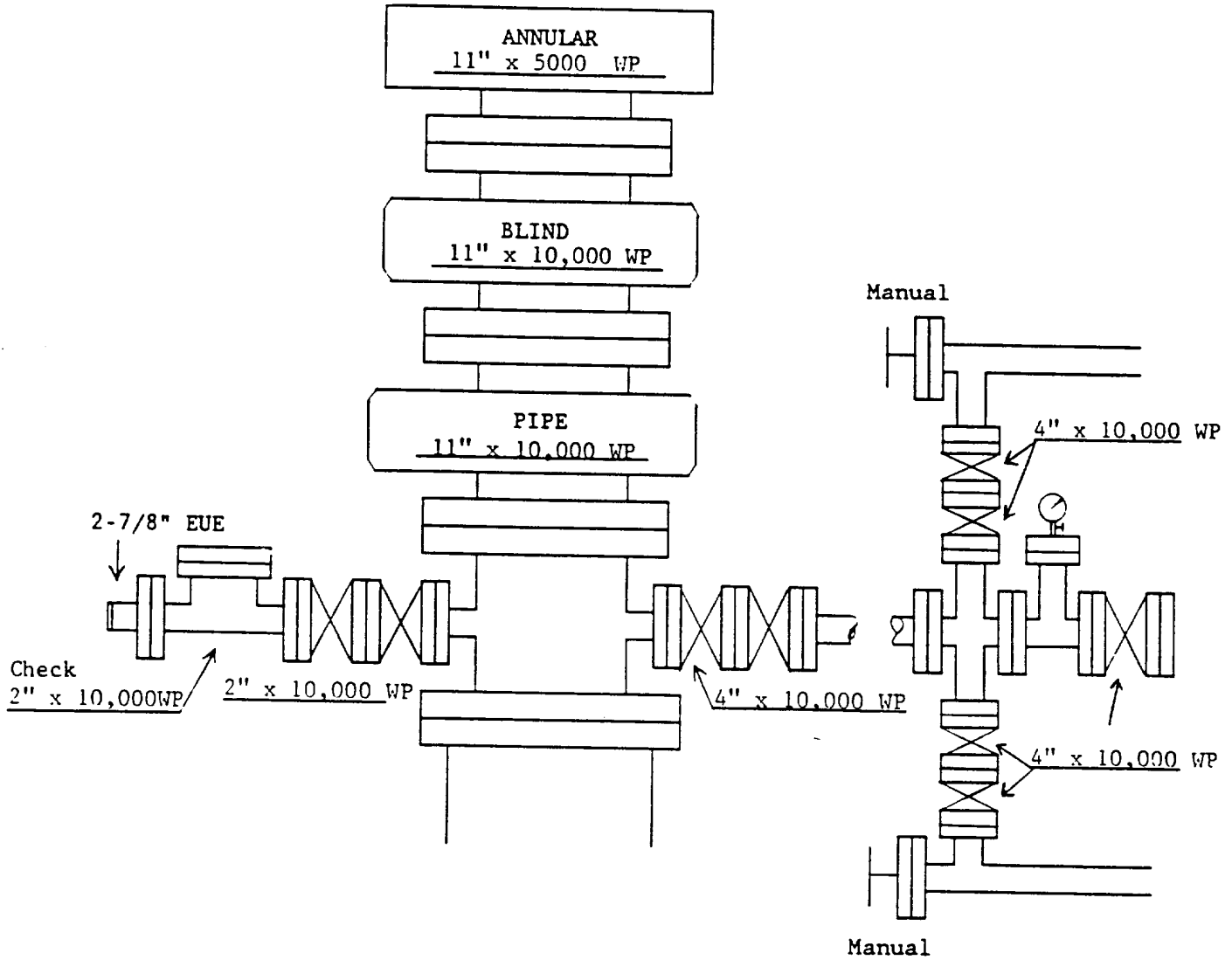
ENRON OIL & GAS COMPANY

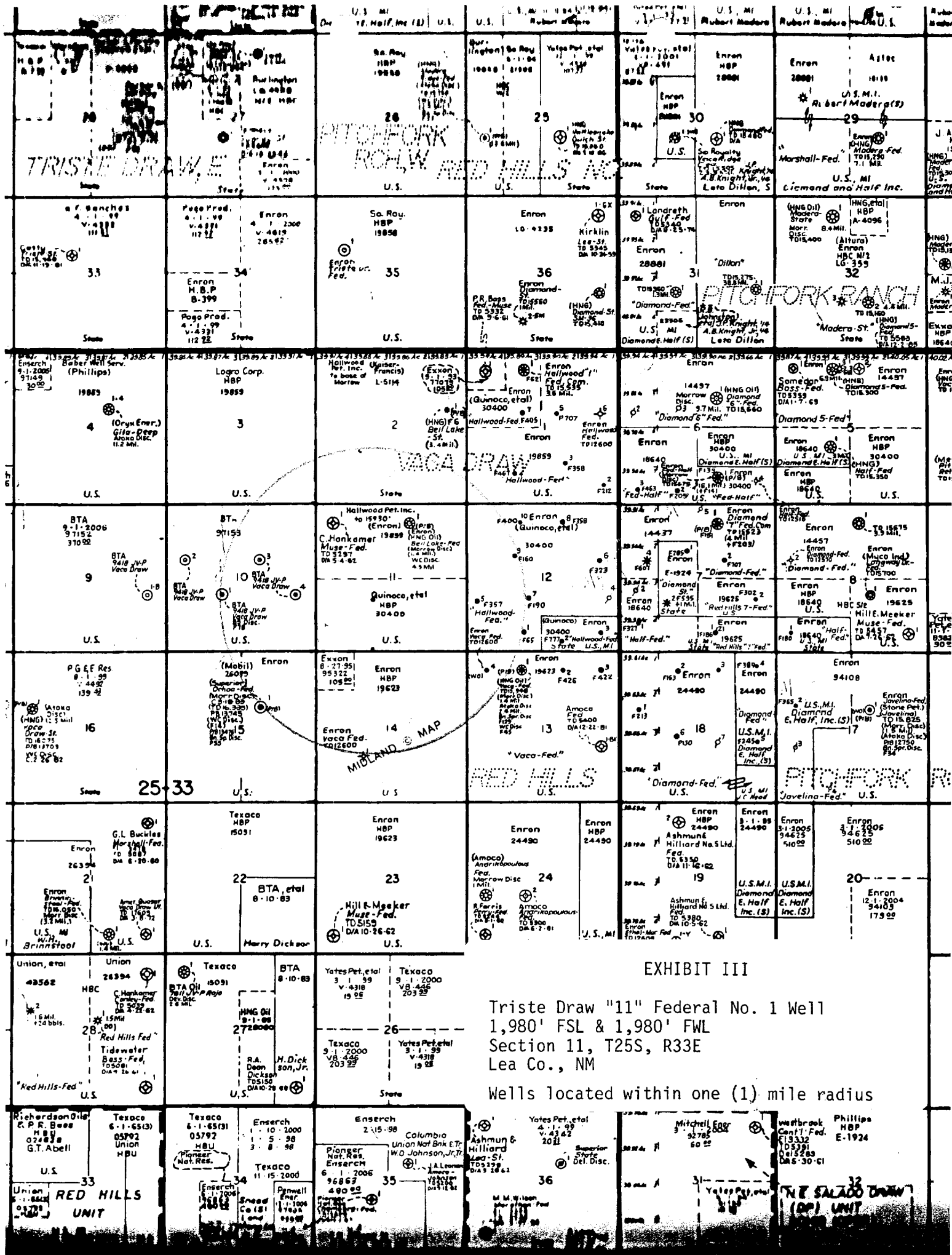
Exhibit I



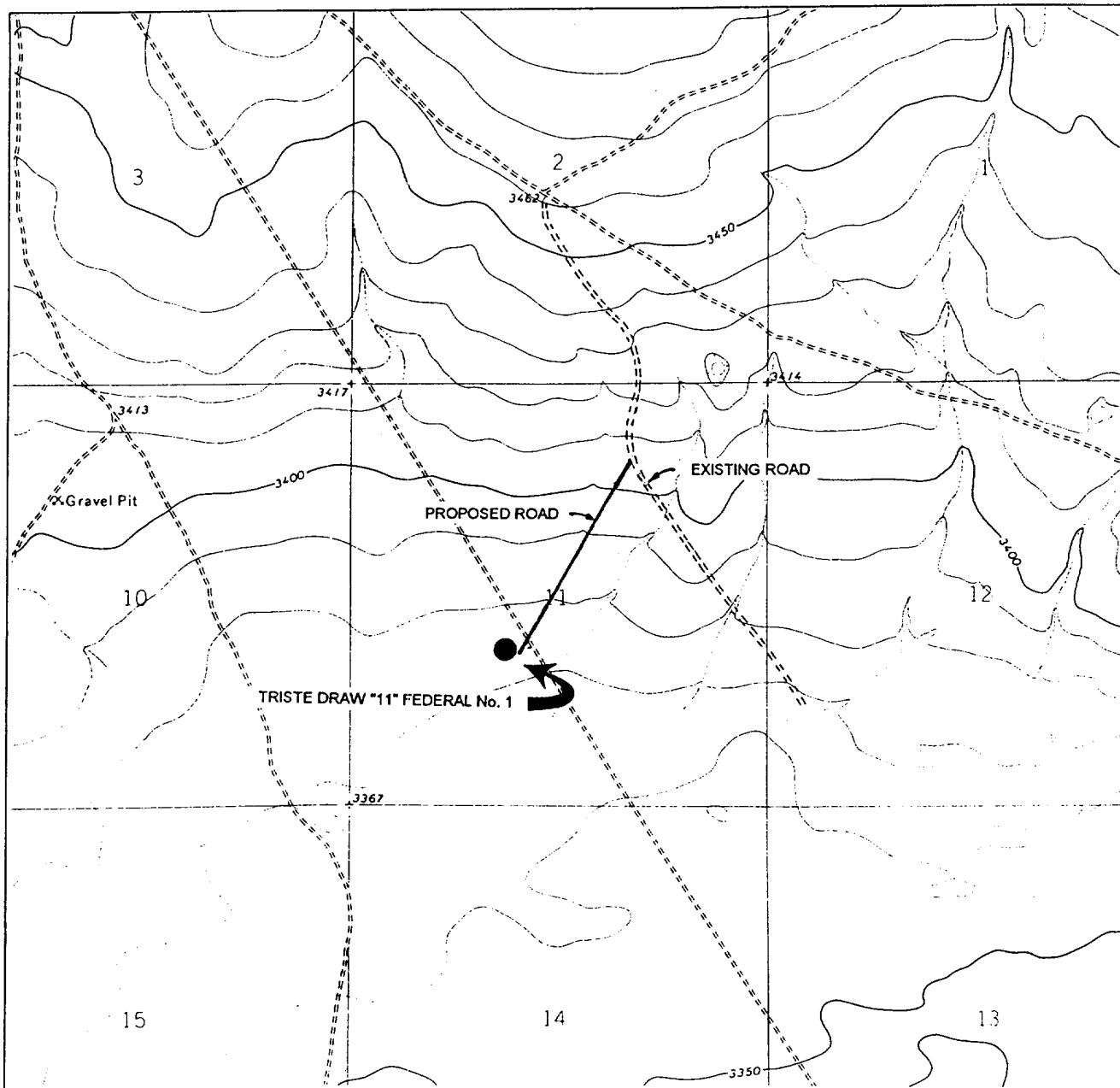
ENRON OIL & GAS COMPANY

Exhibit II





LOCATION VERIFICATION MAP



WTC 45565

SCALE: 1" = 2,000'
CONTOUR INTERVAL=10'

SEC. 11 TWP. 25-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY LEA STATE NM

DESCRIPTION 1980' FSL & 1980' FWL

ELEVATION 3377'

OPERATOR ENRON OIL & GAS COMPANY

LEASE TRISTE DRAW "11" FEDERAL NO. 1

U.S.G.S. TOPO. MAP
BELL LAKE, N. MEX.

WEST TEXAS CONSULTANTS, INC.

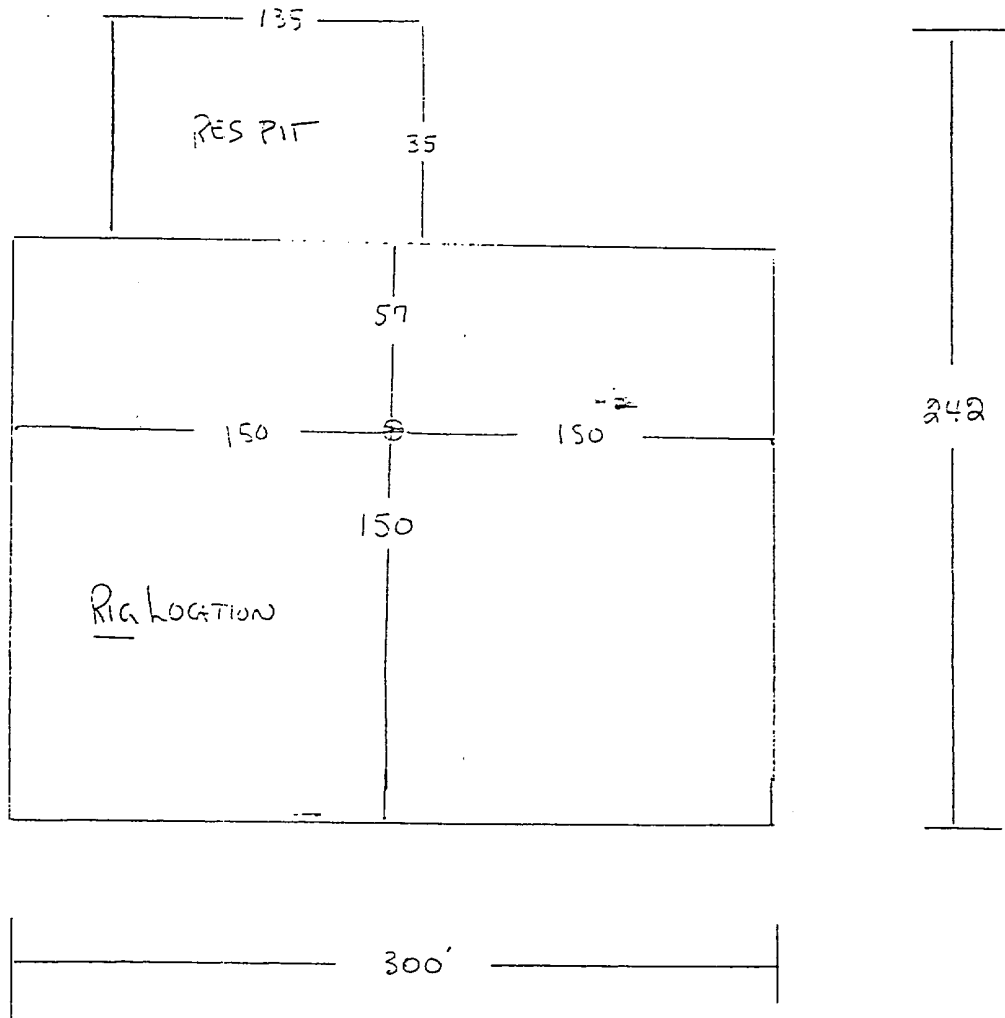
ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800

Exhibit IV

Exhibit V



ELF 7/23/49
ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED