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'API Number       3D-D25-34278       "Property Code       22136       'OGRID No.       7377       UL or lot ze. Section       Township Bange       A     21       25-S       34-1				JAVELINA "21" FEDERAL "Operator Name ENRON OIL & GAS COMPANY <sup>10</sup> Surface Location Lot Idn Feet from the North/South line F			Pool N + ills Peet from the 908	*Pool Name Pool Name Pool Name *Well Number 2 *Well Number 2 *Revation 3360* Feet from the East/West line 908 EAST LEA		2 Berntion 3360'
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# DRILLING PROGRAM

ENRON OIL & GAS COMPANY JAVELINA 21 FEDERAL No. 2 918' FNL & 908' FEL Sec 21, T25S, R34E Lea County, New Mexico

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Rustler	850 <b>'</b>
Delaware Mountain Group	5170'
3rd Bone Spring Sand	12475'
TD	12800'

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

Upper Permian Snads	100'	Fresh Water
3rd Bone Spring Sand	12475'	0i1

4. CASING PROGRAM:

Hole Size	Interval	OD CSG	Wt Grade Jt Cond. Type
14-3/4" 11"	0 - 650' 0 - 5200'	11-3/4" 8-5/8"	42# H−40 ST&C 32# J−55 ST&C
7-7/8"	0- 12800'	5-1/2"	· · · · · · · · · · · · · · · · · · ·
CEMENTING PROGRAM:			0-6400', CF-95 6400-10666 N-80 10666-12800 L-80
11-3/4" Surface Cas:	+ 3# Econo		250 sx Prem Plus + 2% CaCl #/sx Flocele; and 150 sx
8-5/8" Intermediate	Poz A and		1200 sacks Prem Plus 50/50 sx salt, 1/4#/sx Flocele; and CaCl.
5-1/2" Prod. Casing	5# salt/s>	; and 200 sx	H, 3% Econo, 0.25#/sx Flocele, Cl H 50/50 Poz A, 2% Howco gel, , 0.2% HR-5, 1/4#/sx D-Air.

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BORELL OFFICE

Marian Maring Maring

### 5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The blowout preventer equipment 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 will be installed on the 11-3/4" surface casing and used continously until TD is reached. 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 psi and the annular to 70% of rated working pressure (3500 psi).

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. The checks will be noted on the daily tour sheets. A 2" kill line and 4" choke line will be included in the drilling spool located below the ram-type BOP. Other accessories to the BOP equipment will include a kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold with 5000 psi WP rating.

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:

Depth TYPE		Weight (ppg)	Viscosity (sec)	Waterloss (cc)
0- 650'	Fresh Water (spud)	8.5	40-45	N.C.
650-5200'	Brine Water	10.0	30	N.C.
5200'-TD	Cut Brine & Polymer/KCL	8.8-9.2	28	N.C.

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 complete with H<sub>2</sub>S detector will be continuously monitoring drilling penetration rate and hydrocarbon shows from 2000' to TD.



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JAVELINA 21 FEDERAL NO. 2

ATTACHMENT I





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# ATTACHMENT TO EXHIBIT #1 ENRON OIL & GAS COMPANY

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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.
- 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 poisition 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.

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- 8. LOGGING, TESTING AND CORING PROGRAM:
  - (A) The electric logging program will consist of GR-Neutron Density and GR-Sonic from TD to intermediate casing with a GR-Neutron ran from intermediate casing to surface.
  - (B) Possible side-wall cores based on shows.
- 9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND POTENTIAL HAZARDS:

No abnormal pressures of temperatures are anticipated. The estimated bottom-hole temperature (BHT) at TD is 170 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 5900 psig. No hydrogen sulfide or other hazaradous 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 three weeks. If the well is productive, an additional 30 to 45 days will be required for completion and testing before a decision is made to install permanent facilities.

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#### TRISTE DRAW 35 FEDERAL NO. 1

#### SURFACE USE AND OPERATIONS PLAN

1. EXISTING ROADS:

Access to location will be made as shown on Exhibit 2. New access road to be constructed will measure 2005' in length and 50' in width.

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

2. PROPOSED ACCESS ROAD:

No turnouts required.

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

Surfacing material consist 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:

Brine water for drilling will be purchased from commercial sources and ... transported to the well side over the roads as shown on Exhibit #2. Fresh water will be pumped from a fresh water well.

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.





EXHIBIT #2



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After abandonment of the well, surface restoration will be in accorance with current Federal laws and regulations. Location will be cleaned, and the well pad removed to promote vegetation. Reseeding will be as per BLM specifications.

7. METHODS OF HANDLING WASTE DISPOSAL:

A small reserve pit will be utilized. Reserve pit will be evacuated of drilling fluid within 10 days after the well is completed.

Drill cuttings will be encapsulated in plastic and buried 2 feet below ground level.

Water produced during tests and waste water will be saved and hauled to a disposal well. Oil produced during tests will be in test tanks until sold.

Current laws, and regulations pertaining to the 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.

8. ANCILLARY FACILITIES:

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

9. WELL SITE LAYOUT:

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

10. OTHER INFORMATION:

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



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EXHIBIT #4

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# JAVELINA 21 FEDERAL NO. 2

#### 11. 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 exists; 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.

U.W. Anyto

W. D. Smeltzer Drilling Manager

DATE: 10/8/97

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