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-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1 Operator Name and Address	2 OGRID Number
Enron Oil & Gas Company P. O. Box 2267 Midland, TX 79702	7377
	3 API Number 30 - 025 - 34208

4 Property Code	5 Property Name	6 Well No.
22107	Greenback State "7"	1

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	7	24S	38E		800	South	1775	East	Lea

8 Proposed 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
O	7	24S	38E		457	South	1998	East	Lea

9 Proposed Pool 1	10 Proposed Pool 2
East Fowler Ellenburger	

11 Work Type Code	12 Well Type Code	13 Cable/Rotary	14 Lease Type Code	15 Ground Level Elevation
N	O	R	S	3194
16 Multiple	**17 Proposed Depth**	**18 Formation**	**19 Contractor**	**20 Spud Date**
N	12000	Ellenburger		11/25/97

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
14 3/4	11 3/4	42#H-40 A ST&C	450	250	Surface
11	8 5/8	32# J55 LT&C	4200	1100	Surface
7 7/8	5 1/2	17# S95 & N80	12000	735	7000
		LT&C			

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

11 3/4" Surface Casing: Cement to surface w/250 sx Class C + 2% CaCl2 + ¼# sx flocele
8 5/8 Intermediate: Cement to surface with 800 sx Premium Plus lite + 15#/sx salt + ¼#/sx flocele and 300 sx CL C + 2% CaCL2
5 1/2" Production Casing: Cement w/735 sx 50/50 Cl H/Poz + 2% gel + .4% CF-14, .1% Diacel LWL. This cement slurry is designed to bring TOC to 7000'.

BOP Diagram Attached

Permit Expires 1 Year From Approval Date Unless Drilling Underway

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: Linda Johnston
Printed name: Linda Johnston
Title: Agent
Date: 11/19/97
Phone: (915) 694-8228

OIL CONSERVATION DIVISION

Approved by: AMS
Title:
Approval Date:
Expiration Date:
Conditions of Approval:
Attached ☐

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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	[2] Pool Code	[3] Pool Name
30-025-34208	26500	Fowler; Ellenburger, East

[4] Property Code	[5] Property Name	[6] Well Number
22107	GREENBACK STATE "7"	1

[7] OGRID No.	[8] Operator Name	[9] Elevation
7377	ENRON OIL & GAS COMPANY	3194'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	7	24-S	38-E		800	SOUTH	1775	EAST	LEA

[11] 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
O	7	24-S	38-E		457	SOUTH	1998	EAST	LEA

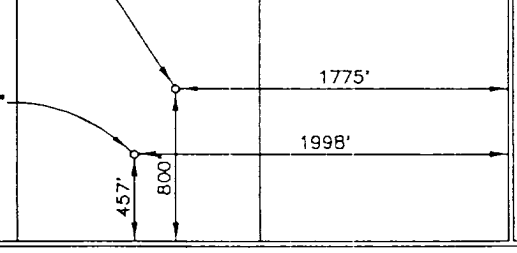
[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.

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

LAT.=32°13'36.13549"
LONG.=103°05'46.88502"
Y=448396.2814
X=882522.5145

BOTTOM HOLE
LAT.=32°13'32.73425"
LONG.=103°05'49.4747"
Y=448050.003
X=882304.002



[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: Linda Johnston

Title: Agent

Date: 11/19/97

[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: NOVEMBER 5, 1997

Signature and Seal of Professional Surveyor: Earl Foote

EARL FOOTE
NEW MEXICO
8278
REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate Number: 8278

DRILLING PROGRAM

ENRON OIL & GAS COMPANY
Greenback State "7" Well No. 1
800 FSL & 1775 FEL
Sec. 7, T24S, R38E
LEA COUNTY, NM

1. GEOLOGIC NAME OF SURFACE FORMATION:
   Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	850'
Bone Spring	6700'
Wolfcamp	8600'
Ellenburger	11600'
TD	12000'

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

Upper Permian Sands 100'	Fresh Water
Ellenburger	11600-Oil

No other formations are expected to give up oil, gas or fresh water in measurable quantities. The surface fresh water sands will be protected by setting 11 3/4" casing at 450' and circulating cement back to surface, and 8 5/8" casing will be set at 4200' with cement circulated back to surface.

4. CASING PROGRAM:

Hole Size	Interval	OD Casing	Weight Grade Jt. Cond. Type
14 ¾"	0-450'	11 ¾"	42# H-40 A ST&C
11"	0-4200'	8 5/8"	32# J-55 LT&C
7 7/8"	700-12000'	5½"	17# S-95 & N-80 LT&C

Cementing Program:

11 ¾" Surface Casing:	Cement to surface with 250 sx Class C+2% CaCl2 + ¼#/sx flocele
8 5/8" Intermediate:	Cement to surface with 800 sx Premium Plus lite + 15#/sx Salt + ¼#/sx Flocele and 300 sx CL C + 2% CaCl2.
5 ½" Production Casing:	Cement w/735 sx CL H/Poz + 2% gel + .4% CF-14 .1% Diacel LWL. This cement slurry is designed to bring TOC to 7500'.

DRILLING PROGRAM

ENRON OIL & GAS COMPANY
Greenback State "7" Well No. 1
800 FSL & 1775 FEL
Sec. 7, T24S, R38E
LEA COUNTY, NM

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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 will be installed on the 11 ¾" surface casing and used continuously 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. These 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	Wt (ppg)	Viscosity (sec)	Waterloss (cc)
0-650'	Fresh Water (spud)	8.5	40-45	N.C.
650'-4000'	Brine Water	10.0	30	N.C.
4000'-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:

(G) A kelly cock will be kept in the frill string at all times.

(H) A full opening drill pipe stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.

(I) 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:

(H) 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.

(I) 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

ENRON OIL & GAS COMPANY
Greenback State "7" Well No. 1
800 FSL & 1775 FEL
Sec. 7, T24S, R38E
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.

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 or kelly.

9. Extension wrenches and hand wheels to be properly installed.

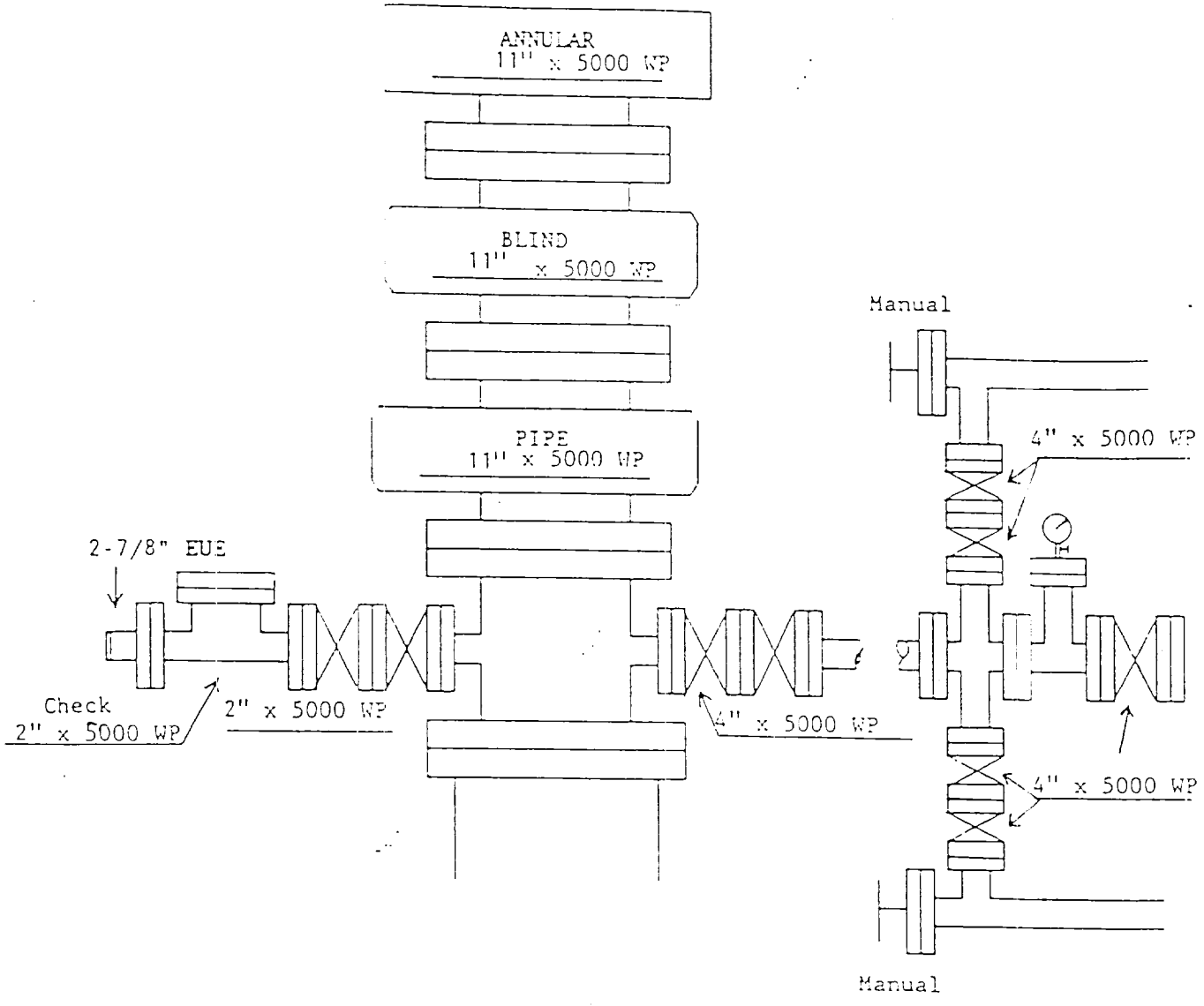
10. Blow out preventer control to be located as close to driller's position as feasible.

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.

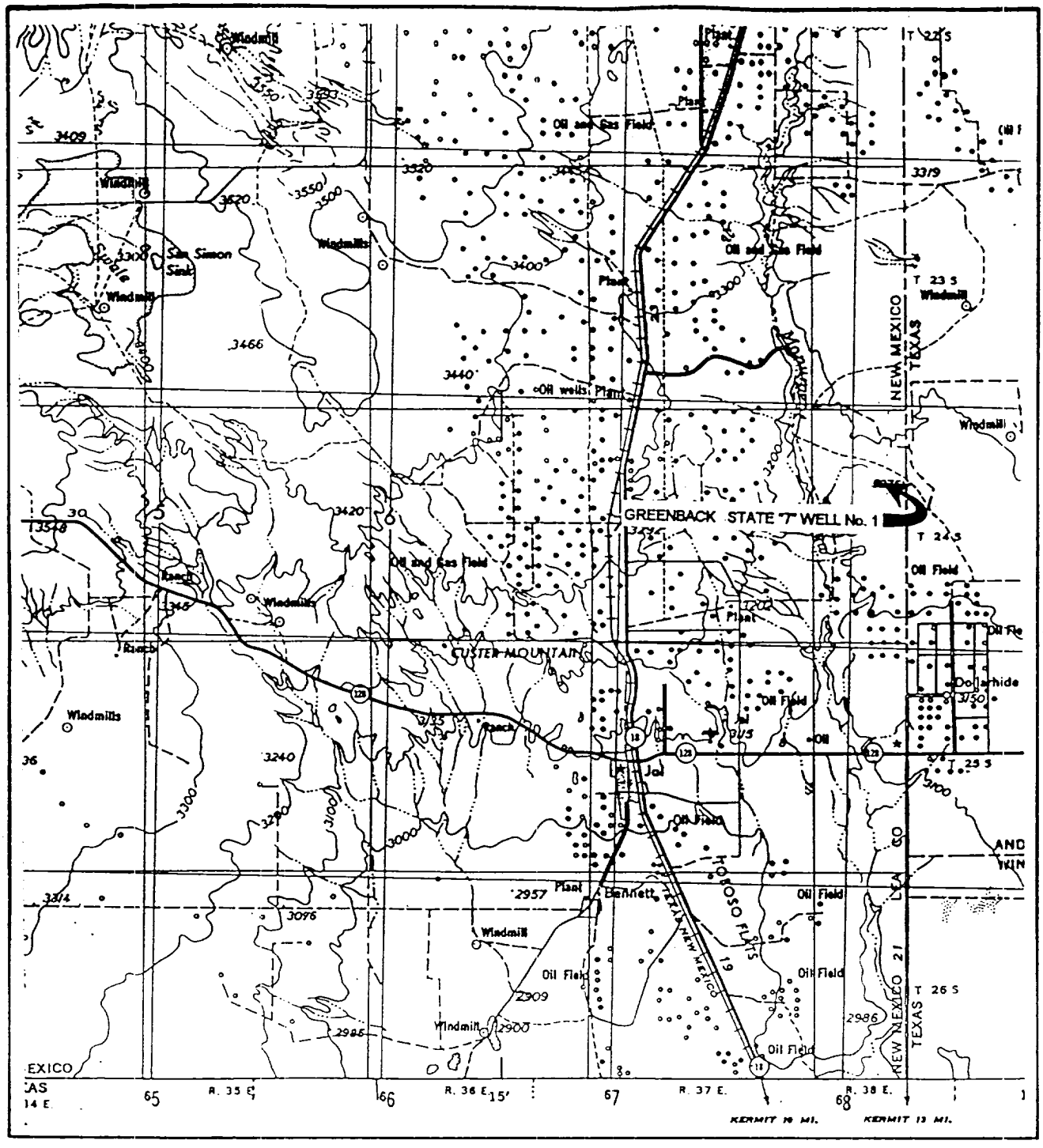
ENRON OIL & GAS COMPANY

Greenback State "7" Well No. 1

ATTACHMENT I



VICINITY MAP



SCALE: 1" = 4 MILES

WTC 45067

SEC. 7 TWP. 24-S RGE. 38-E

SURVEY N.M.P.M

COUNTY LEA STATE NM

DESCRIPTION 800' FSL & 1775' FEL

ELEVATION 3194'

OPERATOR ENRON OIL & GAS COMPANY

LEASE GREENBACK STATE "7" NO. 1

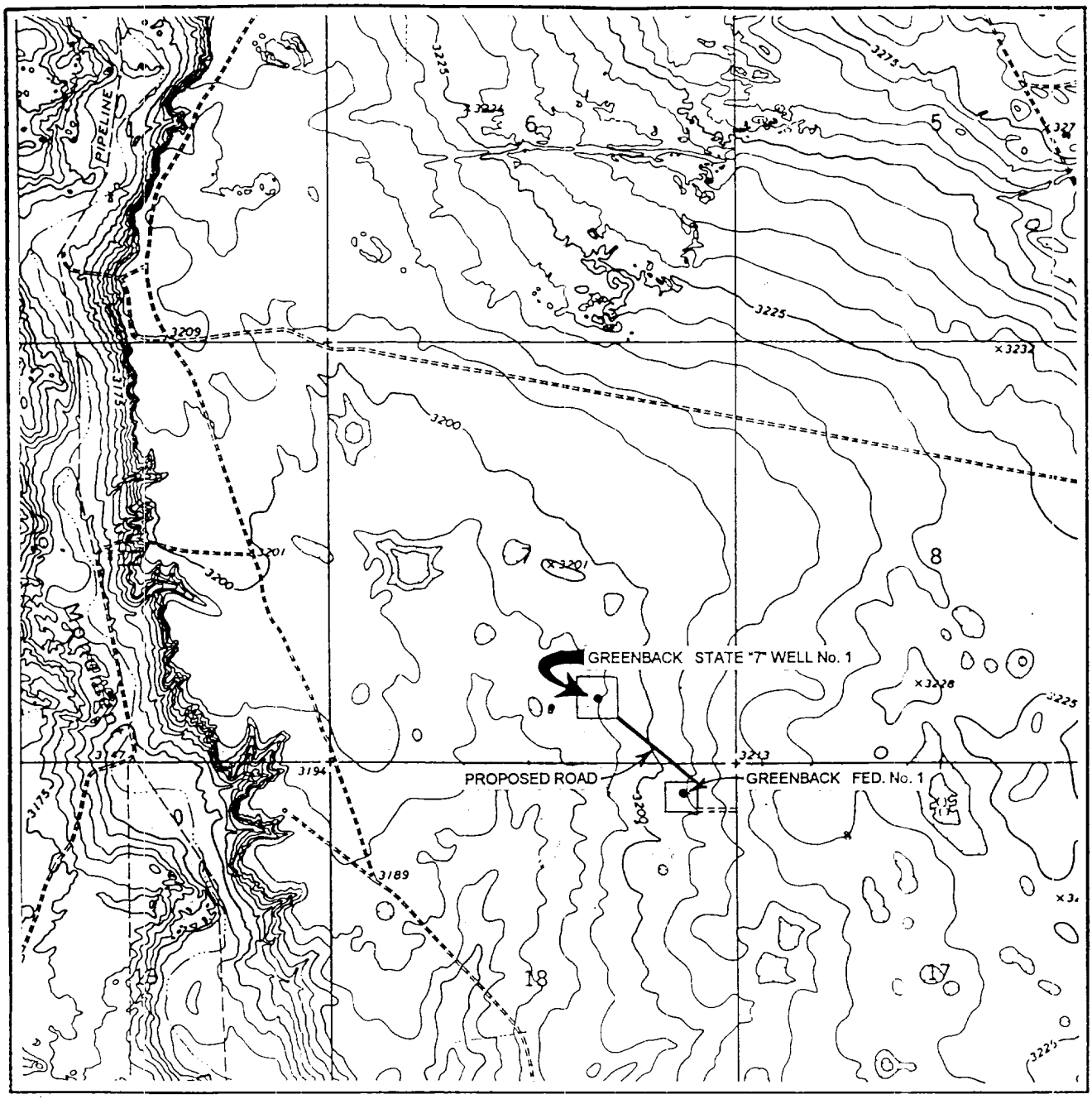
WEST TEXAS CONSULTANTS, INC.

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'
WTC 45067

SEC. 7 TWP. 24-S RGE. 38-E

SURVEY N.M.P.M

COUNTY LEA STATE NM

DESCRIPTION 800' FSL & 1775' FEL

ELEVATION 3194'

OPERATOR ENRON OIL & GAS COMPANY

LEASE GREENBACK STATE "7" NO. 1

USGS TOPO MAP JAL NE, TEXAS - NEW MEXICO

CONTOUR INTERVAL 5'

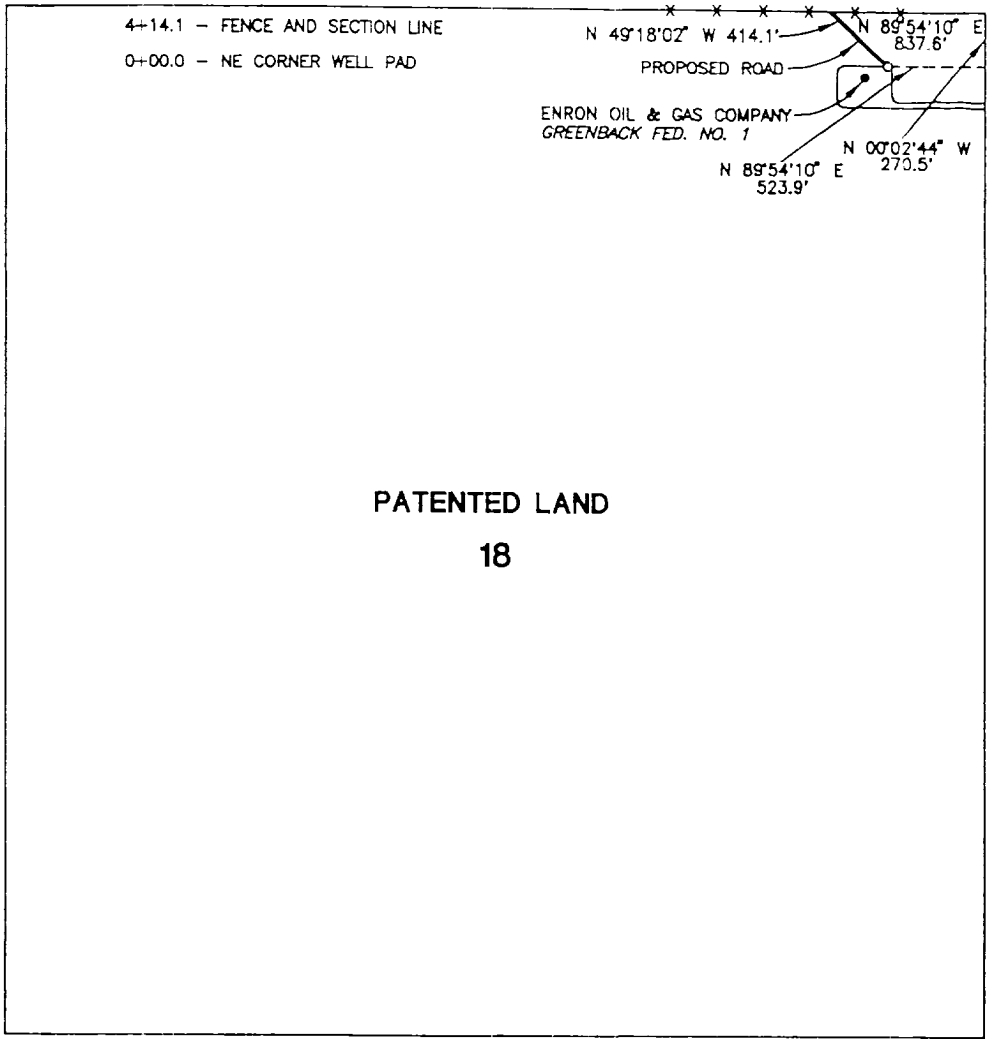
WEST TEXAS CONSULTANTS, INC.

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800

SECTION 18, TOWNSHIP 24 SOUTH, RANGE 38 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO



CENTERLINE DESCRIPTION OF A PROPOSED ROAD:

BEGINNING at the northeast corner of a caliche well pad for Enron Oil & Gas Company, GREENBACK FED. WELL No. 1, from which point the northeast corner of Section 18, T-24-S, R-38-E, N.M.P.M., Lea County, New Mexico, bears N 89° 54' 10" E, 523.9 feet and N 00° 02' 44" W, 270.5 feet;

THENCE with proposed centerline N 49° 18' 02" W, 414.1 feet to a point in the north line of said Section 18 for the end of this line, from which point the northeast corner of Section 18 bears N 89° 54' 10" E, 837.6 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 NEW MEXICO 8278 REGISTERED PROFESSIONAL LAND SURVEYOR

Earl Foote
Registered Professional Surveyor
New Mexico Certificate No. 8278

PROPOSED ROAD TO SERVE
GREENBACK STATE "7" WELL No. 1

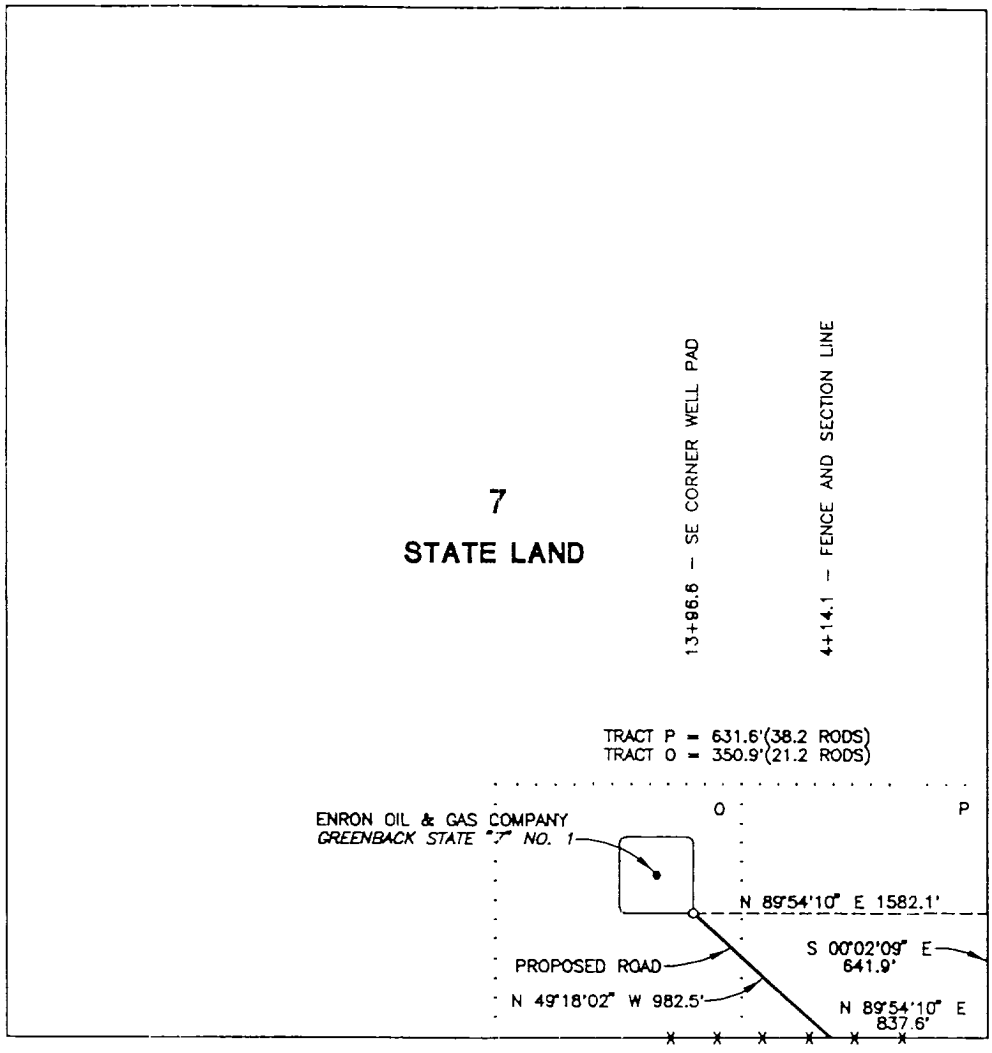
ENRON OIL AND GAS COMPANY

414.1 feet of proposed road in
Section 18, T-24-S, R-38-E, N.M.P.M.,
Lea County, New Mexico

WEST TEXAS CONSULTANTS, INC.
ENGINEERS–PLANNERS–SURVEYORS MIDLAND, TEXAS

Survey Date: 11-5-97	Date: 11-6-97	Scale: 1" = 1000'
WTC No. 45067	Drawn By: R.S.	Sheet 1 of 2

SECTION 7, TOWNSHIP 24 SOUTH, RANGE 38 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO



CENTERLINE DESCRIPTION OF A PROPOSED ROAD:

BEGINNING at a point in the south line of Section 7, T-24-S, R-38-E, N.M.P.M., Lea County, New Mexico, from which point the southeast corner of Section 7 bears N 89° 54' 10" E, 837.6 feet;

THENCE with the centerline, N 49° 18' 02" W, 982.5 feet to a point for the southeast corner of a proposed well pad for Enron Oil & Gas Company GREENBACK STATE "7" No. 1, for the end of this line, from which point the southeast corner of said Section 7 bears N 89° 54' 10" E, 1582.1 feet and S 00° 02' 09" E, 641.9 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
NEW MEXICO
8278
REGISTERED PROFESSIONAL LAND SURVEYOR

Earl Foote
Registered Professional Surveyor
New Mexico Certificate No. 8278

PROPOSED ROAD TO SERVE
GREENBACK STATE "7" WELL No. 1

ENRON OIL AND GAS COMPANY

982.5 feet of proposed road in
Section 7, T-24-S, R-38-E, N.M.P.M.,
Lea County, New Mexico

WEST TEXAS CONSULTANTS, INC.
ENGINEERS–PLANNERS–SURVEYORS MIDLAND, TEXAS

Survey Date: 11-5-97	Date: 11-6-97	Scale: 1" = 1000'
WTC No. 45067	Drawn By: R.S.	Sheet 2 of 2