

**RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION**

Form H-1
05/2004

APPLICATION TO INJECT FLUID INTO A RESERVOIR PRODUCTIVE OF OIL OR GAS

1. Operator name PEREGRINE PETROLEUM PRTNR, LTD 2. Operator P-5 No. 653271
(as shown on P-5, Organization Report)

3. Operator Address 2929 ALLEN PARKWAY, STE 3100 HOUSTON, TX. 77019

4. County FISHER 5. RRC District No. 7B

6. Field Name GARDEN CITY SOUTH 7. Field No. 3398001

8. Lease Name MASON 85 9. Lease/Gas ID No. _____

10. Check the Appropriate Boxes: New Project Amendment

If amendment, Fluid Injection Project No. F- _____

Reason for Amendment: Add wells Add or change types of fluids Change pressure

Change volume Change interval Other (explain) _____

RESERVOIR DATA FOR A NEW PROJECT

11. Name of Formation ELLENBURGER 12. Lithology DOLOMITE
(e.g., dolomite, limestone, sand, etc.)

13. Type of Trap STRATIGRAPHIC 14. Type of Drive during Primary Production DEPLETION
(anticline, fault trap, stratigraphic trap, etc.)

15. Average Pay Thickness 400' 16. Lse/Unit Acreage 423.14 17. Current Bottom Hole Pressure (psig) 3581 PSI

18. Average Horizontal Permeability (mds) <0.1 MD 19. Average Porosity (%) 3.0%

INJECTION PROJECT DATA

20. No. of Injection Wells in this application 1

21. Type of Injection Project: Waterflood Pressure Maintenance Miscible Displacement Natural Gas Storage

Steam Thermal Recovery Disposal Other _____

22. If disposal, are fluids from leases other than the lease identified in Item 9? Yes No

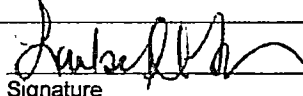
23. Is this application for a Commercial Disposal Well? Yes No

24. If for commercial disposal, will non-hazardous oil and gas waste other than produced water be disposed? Yes No

25. Type(s) of Injection Fluid:
Salt Water Brackish Water Fresh Water CO₂ N₂ Air H₂S LPG NORM

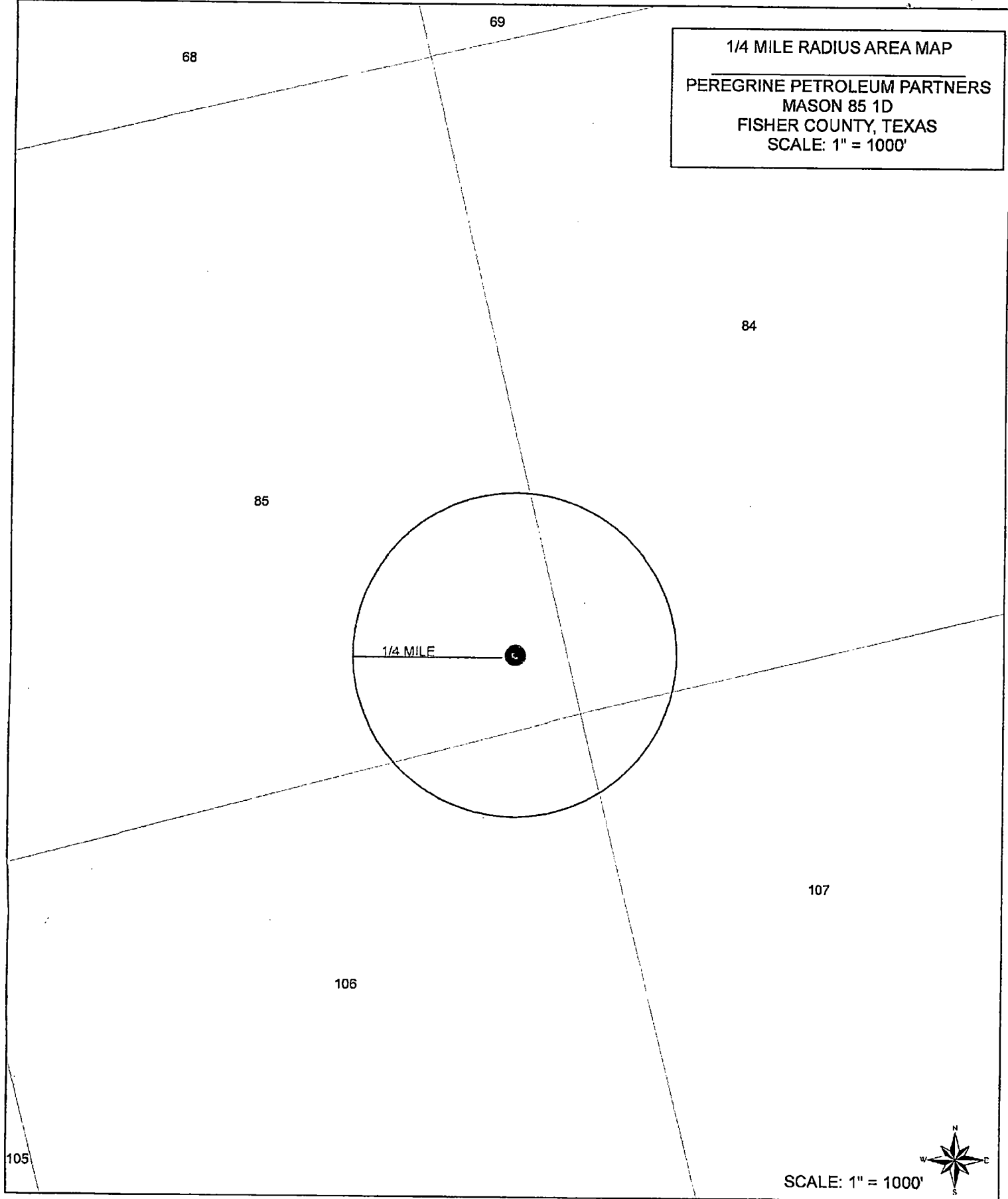
Natural Gas Polymer Other (explain) _____

26. If water other than produced salt water will be injected, identify the source of each type of injection water by formation, or by aquifer and depths, or by name of surface water source:

<p align="center">CERTIFICATE</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that the data and facts stated therein are true, correct, and complete, to the best of my knowledge.</p>	 Signature _____	11/13/2019 Date _____
	Name of Person (type or print) <u>LINDSEY M. TART</u>	
	Phone <u>713.630.8967</u>	Fax <u>713.630.8981</u>

For Office Use Only	Register No.	Amount \$
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1/4 MILE RADIUS AREA MAP
PEREGRINE PETROLEUM PARTNERS
MASON 85 1D
FISHER COUNTY, TEXAS
SCALE: 1" = 1000'



PEREGRINE PETROLEUM PARTNERS, LTD

LEASE NAME & WELL NO.:
MASON 85 IP
 TOPCROSBY & VEGETATION:
 NATURAL MESQUITE PASTURE

NEAREST TOWN IN COUNTY:
 ±14.60 MILES SOUTHWEST OF ROBY, TEXAS

DESCRIPTION:
 SECTION 85, BLOCK 3, H. & T.C. RR. CO. SURVEY, A-218
 FISHER COUNTY, TEXAS

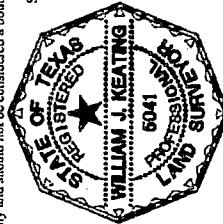
SPECIAL NOTES:

Original Document Size: 8.5'x11.7"
 All Coordinates are in NAD 27 TX-NC Zone unless otherwise noted.

CERTIFICATION:

This well location shown on this permit plat was surveyed on the ground under my direct supervision. This plat is for Texas Railroad Commission permit purpose only and should not be considered a boundary survey.

Signature Date:
 08/21/19



William J. Keating
 Texas Reg. No. 5041

TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY
 2903 NORTH BIG SPRING - MIDLAND, TEXAS 79703
 TELEPHONE: (432) 682-1633 OR (800) 767-1633 - FAX (432) 682-1745
 WWW.TOPOGRAPHIC.COM
 Texas Firm Registration NO. 10042500
 FILE NAME: LO_MASON_85_IP_REV0

Surface Hole Location:

550' FSEL & 450' FNEL
 550' FSEL & ±1285' FNEL
 SHL Ground Elevation: 2200'
 NAD 27 TX-NC ZONE
 X = 1039613
 Y = 390777
 LAT: N 32.7015886
 LONG.: W 100.6229553
 NAD 83 TX-NC ZONE
 X = 1315517
 Y = 6944814
 LAT: N 32.7016791
 LONG.: W 100.6229847

LEGEND

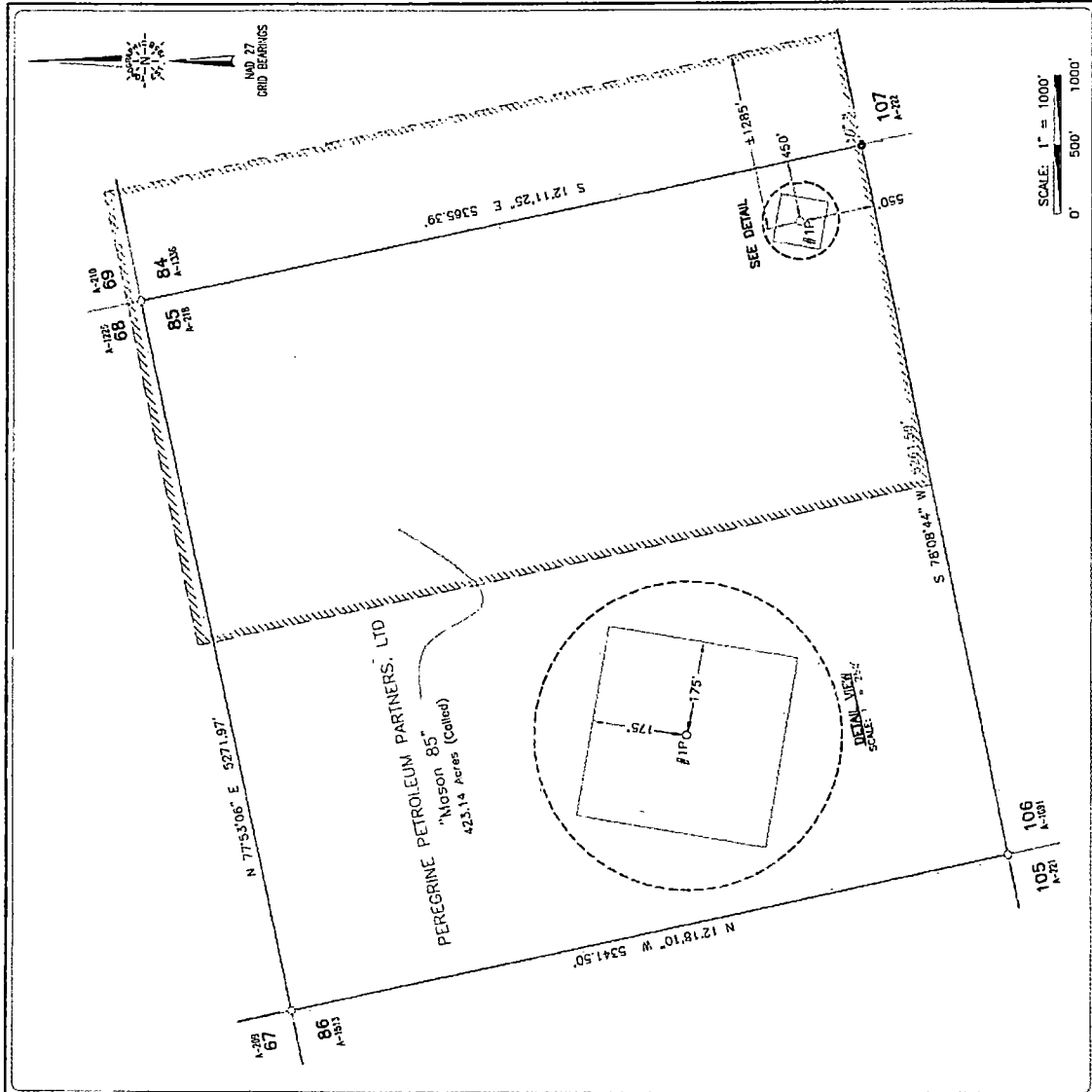
	Section Line
	Black Line
	Abstract Line
	Treat Line
	Lease Road
	County Road
	Unit/Lease Boundary
	Found Monument
	Sat 1/2" Rebar w/cap
	Calculated Corner

Orig. Doc. 8.5x14 Surveyed: 07/29/19

COGO: 793-126772

Revision: 3(MV) 08/21/19

Drawn By: MV: 08/02/2019



GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 14 November 2019 **GAU Number:** 265376

Attention:	PEREGRINE PETROLEUM	API Number:	15133139
	2101 CEDAR SPRINGS RD STE	County:	FISHER
	DALLAS, TX 75201	Lease Name:	Mason 85
Operator No.:	653271	Lease Number:	
		Well Number:	1D
		Total Vertical Depth:	7500
		Latitude:	32.701569
		Longitude:	-100.622595
		Datum:	NAD27

Purpose: Injection into Producing Zone (H1)
Location: Survey-H&TC RR CO; Abstract-218; Block-3; Section-85

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Railroad Commission of Texas recommends:

The base of usable-quality water-bearing strata is estimated to occur at a depth of 200 feet at the site of the referenced well.

The BASE OF UNDERGROUND SOURCES OF DRINKING WATER (USDW) is estimated to occur at a depth of 1200 feet at the site of the referenced well.

This recommendation is applicable for all wells drilled in this Survey-H&TC RR CO; Block-3; Section-85.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. Unless stated otherwise, this recommendation is for normal drilling, production, and plugging operations only.

This determination is based on information provided when the application was submitted on 11/13/2019. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

Groundwater Advisory Unit, Oil and Gas Division

Form GW-2 P.O. Box 12967 Austin, Texas 78771-2967 512-463-2741 Internet address: www.rrc.texas.gov
 Rev. 02/2014

RAILROAD COMMISSION OF TEXAS -- OIL AND GAS DIVISION

Form H-1A

INJECTION WELL DATA (attach to Form H-1)

1. Operator Name (as shown on P-5) PEREGRINE PETROLEUM PRTNR, LTD					2. Operator P-5 No. 653271			
3. Field Name GARDEN CITY SOUTH					4. Field No. 3398001			
5. Current Lease Name MASON 85					6. Lease/Gas ID No.			
7. Lease is 14.60 miles in a SOUTHWEST direction from ROBY (center of nearest town).								
8. Well No. 1D	9. API No. 42-151-33139	10. UIC No.	11. Total Depth 7715	12. Date Drilled 9/29/2019	13. Base of Usable Quality Water (ft) 200			
14. (a) Legal description of well location, including distance and direction from survey lines:								
(b) Latitude and Longitude of well location, if known (optional) Lat. 32.7015696 Long. -100.6225953								
15. New Injection Well <input checked="" type="checkbox"/> or Injection Well Amendment <input type="checkbox"/>				Reason for Amendment: Pressure <input type="checkbox"/> Volume <input type="checkbox"/> Interval <input type="checkbox"/> Fluid Type <input type="checkbox"/>				
Other (explain) _____								
Casing	Size	Setting Depth	Hole Size	Casing Weight	Cement Class	# Sacks of Cement	Top of Cement	Top Determined by
16. Surface	9.625	1118	12.25	36.0	C	375	SURFACE	VISUAL
17. Intermediate	7	7715	8.75	29	C	685	705	CALCULATED
18. Long string								
19. Liner								
20. Tubing size 3.5"	21. Tubing depth 7078	22. Injection tubing packer depth 7070			23. Injection interval 7158 to 7556			
24. Cement Squeeze Operations (List all)			Squeeze Interval (ft)		No. of Sacks		Top of Cement (ft)	
25. Multiple Completion? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			26. Downhole Water Separation? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			NOTE: If the answer is "Yes" to Item 25 or 26, provide a Wellbore Sketch		
27. Fluid Type PRODUCED WATER			28. Maximum daily injection volume for each fluid type (rate in bpd or mcf/d) 20,000 BPD			29. Estimated average daily injection volume for each fluid type (rate in bpd or mcf/d) 15,000 BPD		
30. Maximum Surface Injection Pressure: for Liquid 3500 psig for Gas _____ psig.								
8. Well No.	9. API No.	10. UIC No.	11. Total Depth	12. Date Drilled	13. Base of Usable Quality Water (ft)			
14. (a) Legal description of well location, including distance and direction from survey lines:								
(b) Latitude and Longitude of well location, if known (optional) Lat. _____ Long. _____								
15. New Injection Well <input type="checkbox"/> or Injection Well Amendment <input type="checkbox"/>				Reason for Amendment: Pressure <input type="checkbox"/> Volume <input type="checkbox"/> Interval <input type="checkbox"/> Fluid Type <input type="checkbox"/>				
Other (explain) _____								
Casing	Size	Setting Depth	Hole Size	Casing Weight	Cement Class	# Sacks of Cement	Top of Cement	Top Determined by
16. Surface								
17. Intermediate								
18. Long string								
19. Liner								
20. Tubing size	21. Tubing depth	22. Injection tubing packer depth			23. Injection interval _____ to _____			
24. Cement Squeeze Operations (List all)			Squeeze Interval (ft)		No. of Sacks		Top of Cement (ft)	
25. Multiple Completion? Yes <input type="checkbox"/> No <input type="checkbox"/>			26. Downhole Water Separation? Yes <input type="checkbox"/> No <input type="checkbox"/>			NOTE: If the answer is "Yes" to Item 25 or 26, provide a Wellbore Sketch		
27. Fluid Type			28. Maximum daily injection volume for each fluid type (rate in bpd or mcf/d)			29. Estimated average daily injection volume for each fluid type (rate in bpd or mcf/d)		
30. Maximum Surface Injection Pressure: for Liquid _____ psig for Gas _____ psig.								

FORM H-1A INSTRUCTIONS

05/2004

1. File as an attachment to Form H-1 to provide injection well data for each application for a new injection well permit or to amend an injection well permit.
2. Complete the current field name and number (Items 3 and 4) with the current field designation in Commission records.
3. Complete the current lease name and number (Items 5 and 6) with the current lease identification in Commission records for each well in the application. Use separate H-1A Forms for each lease.
4. Provide the current well number(s) for existing wells in Item 8. Provide the proposed well numbers for wells that have not yet been drilled.
5. Check in Item 15 the appropriate box for a new injection well permit or an amendment to an injection well permit. If an amendment, check the appropriate boxes for the reason(s) for the application(s) for amendment. If "other" is checked, provide a brief explanation.
6. Provide complete well construction information (Items 16 through 26), including all proposed re-completion (e.g. liner, cement squeeze, tubing, packer). Attach additional sheets if necessary. For Item 19, if the liner was not to the surface, indicate both the top and the bottom depth of the liner as the "Setting Depth."

1/5 MILE RADIUS AREA MAP

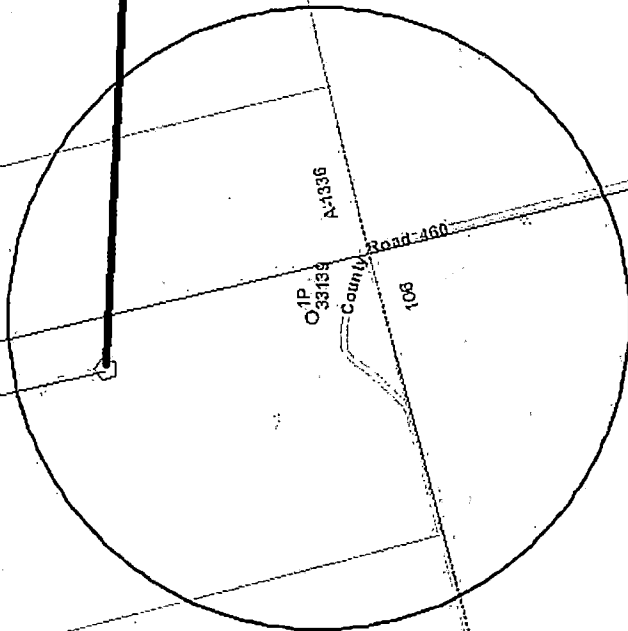
PEREGRINE PETROLEUM PRTRNS, LTD
MASON 85 1D
FISHER COUNTY, TX
SCALE: 1" = 1000'

Radius

Buffer Size (miles): 0.5

Click Map to Draw Radius

Operator: Peregrine Petroleum Prtrns, Ltd
Well: Mason 1988 Unit 1H
Permitted, not drilled



1H
32806

A-210

85

2

A-1225

County-Road-483

107

A-1336

O-IP
33189

County

Road-460

106

A-218

County-Road-460

105

Surfalo Creek

A-1241

130

A-222

131

A-1691

135

