Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO. 30-025-11690

5. Indicate Type of Lease STATE [XX] FEE [ ]

6. State Oil & Gas Lease No. NM 12383 (LC-032579-A)

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: Harrison

1. Type of Well: Oil Well [XX] Gas Well [ ] Other

2. Name of Operator: Permian Resources, Inc.dba Permian Partners, Inc.

8. Well No. 2

3. Address of Operator: P. O. Box 590, Midland, Texas 79702

9. Pool name or Wildcat: Langlie-Mattix Queen

4. Well Location

Unit Letter I : 2310 feet from the South line and 990 feet from the East line

Section 22 Township 25A Range 37E NMPM County Lea

10. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3066 DF

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[ ]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPLETION	[ ]	CASING TEST AND CEMENT JOB	[ ]		
OTHER: convert to injection	[XX]			OTHER:			[ ]

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Well is currently shut-in with open hole below 7" steel casing set at 3218' down to total depth of 3366'. Operator is proposing to use 3220' of 2-3/8" IPC tubing with 7" Baker AD-1 packer set at 3200'. Injected fluid will be produced water. Maximum rate will be 500 barrels daily at 1450 psig.

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

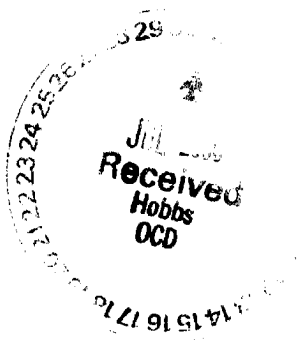
SIGNATURE [signature] TITLE Geologist DATE 06/15/00

Type or print name Dave Kvasnicka Telephone No. 915/685-0113

(This space for State use)

APPPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any: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STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no

II. Operator: Permian Resources, Inc. dba Permian Partners, Inc.

Address: P. O. Box 590, Midland, TX 79702

Contact party: Robert H. Marshall Phone: 915/685-0113

III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification

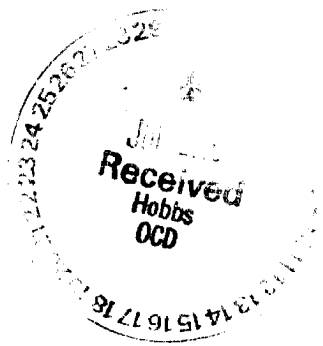
I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: David E. Kvasnicka Title Geologist

Signature: D. E. Kvasnicka Date: 7-21-00

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. N/A

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.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III. WELL DATA

A. (1) Well Name: Harrison No. 2-22
Section 22, Township 25 South, Range 37 East
Lea County, New Mexico

(2) Casing Data:

Casing Size	Hole Size	Depth	Sacks Cement (Class)	Top of Cement
9-5/8"	11"	1087'	500(2%Aquagel)	Circ. to Surface
7"	8-7/8"	3218'	300	

(3) Injection Tubing and Packer

Tubing String: 3220 feet 2-3/8" internally plastic coated, 8rd EUE

Packer: 7" set of 3200'

B. (1) Injection Formation: Queen
Field Name: Langlie-Mattix 7RQ-GR

(2) Injection Interval:
Open Hole 3218' - 3366'

(3) Original Purpose of Well:
Oil production from Langlie-Mattix Queen

(4) Other Perforated Intervals:
None

(5) Depth of Higher/Lower Oil or Gas Zone in Area:
Higher: Jalmat Yates - Seven Rivers gas zone @ 2500 - 3000'
Lower: None in immediate area


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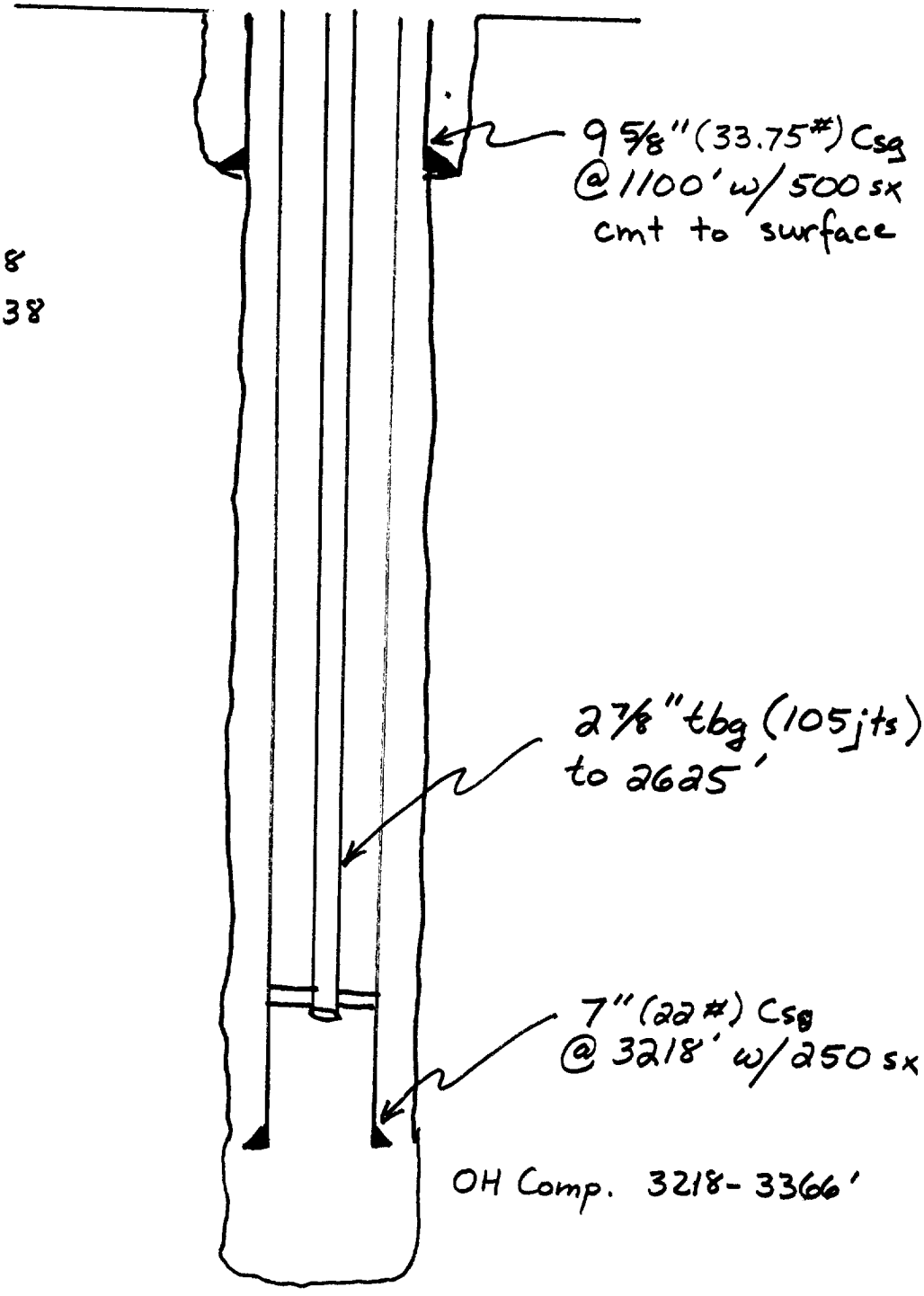
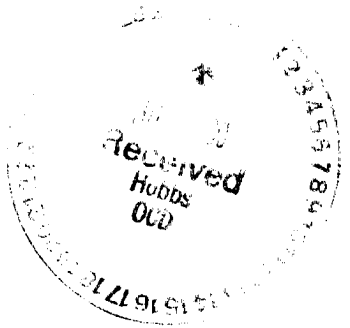
Harrison Federal 2-22

Completion Schematic

2310' FSL & 990 FEL
Sec. 22 T25S R37E
Lea County, NM
NM # NMLC032579A
Spud date: 7-10-38
completion date: 8-1-38
G.L. Elev: 3066'

API # 30-025-11690

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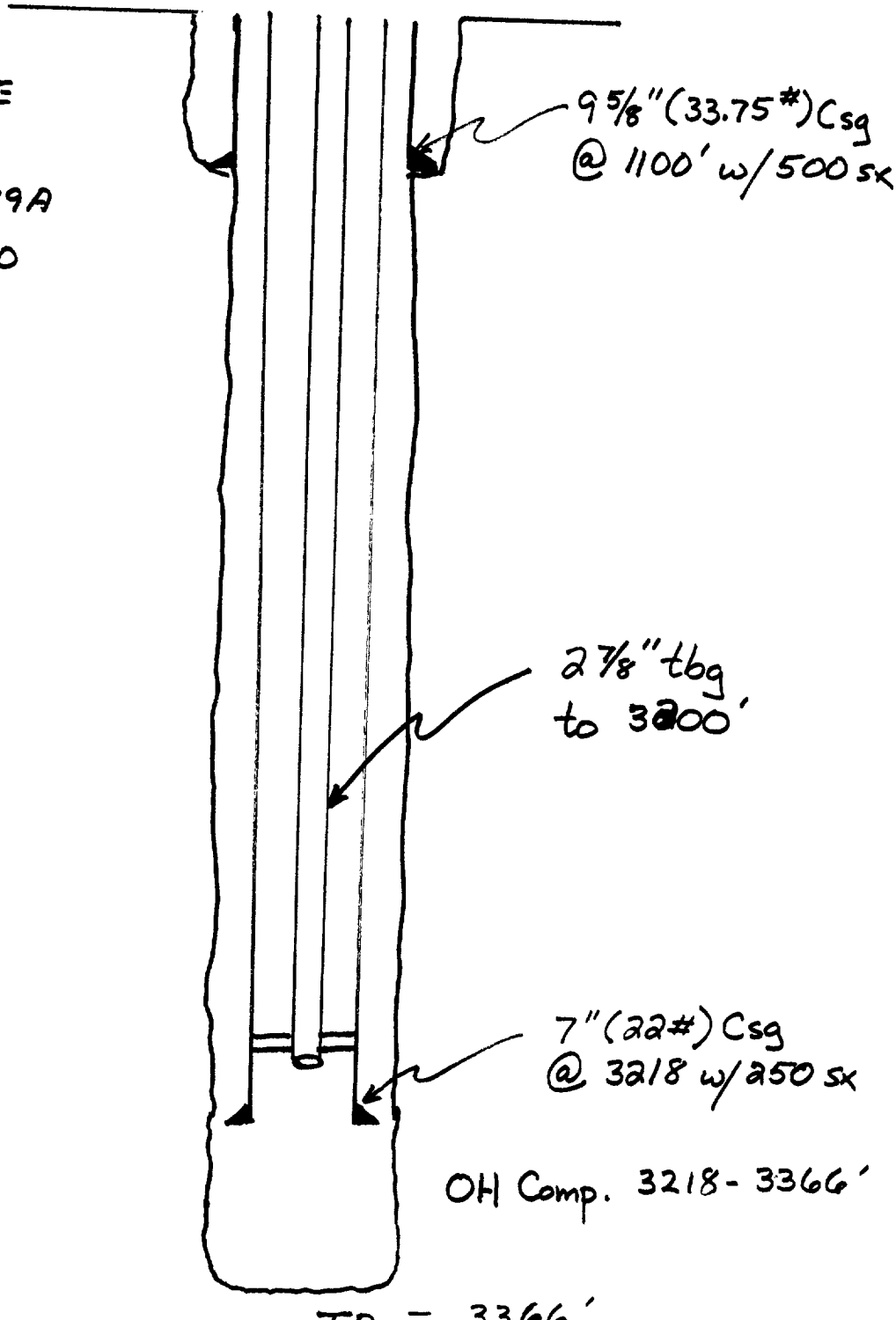
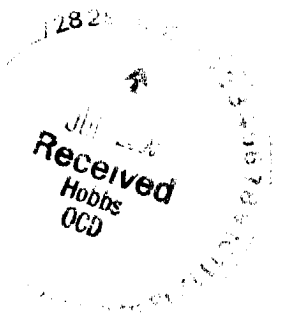
Harrison Federal 2-22

Completion Schematic

Proposed SWInjector

2310' FSL & 990 FEL
Sec 22 T25S R37E
Lea County, NM
NM # NMLC032579A
API # 30-025-11690
Spud: 7-10-38
Completed: 8-1-38
G.L. Elev: 3066'

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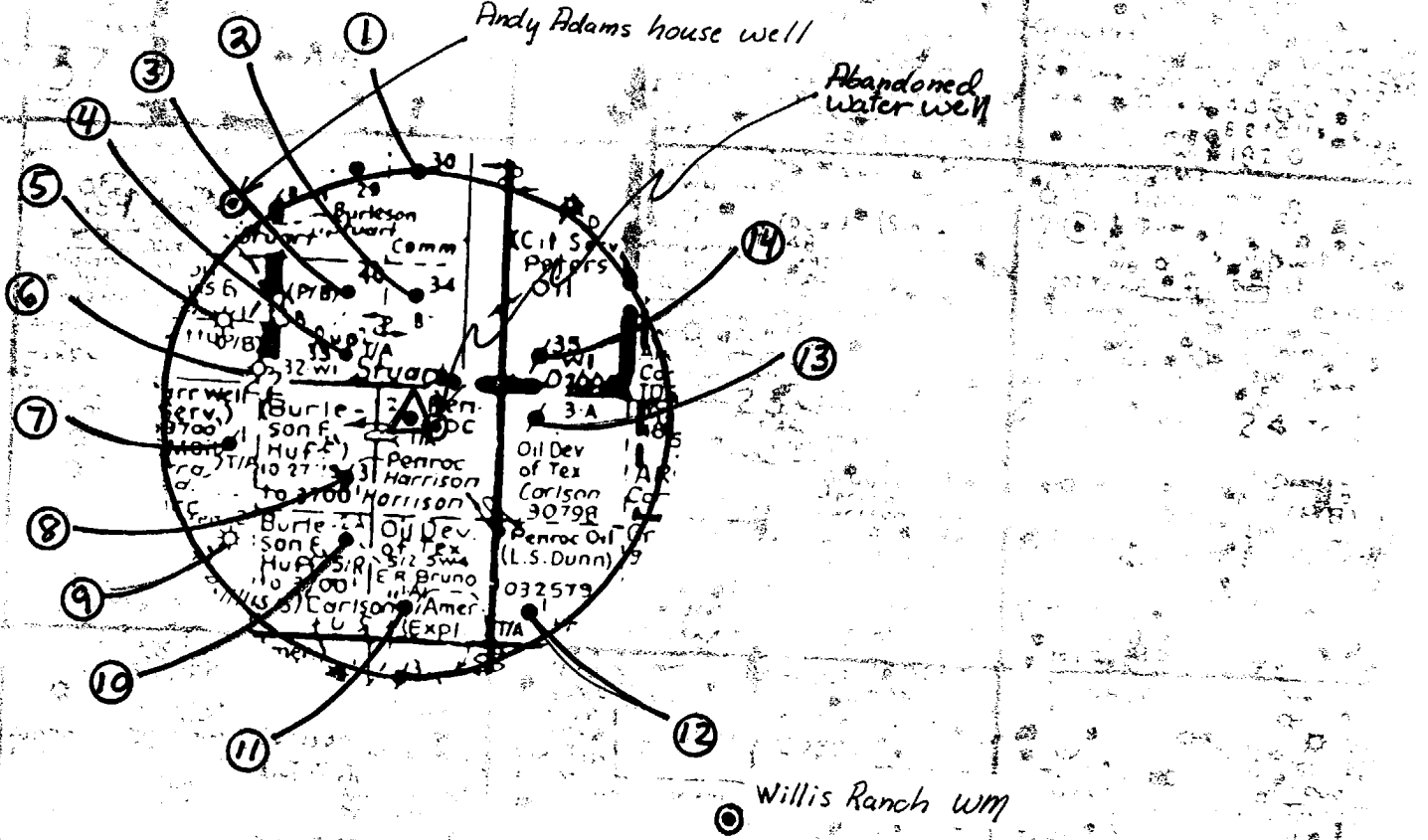
PERMIAN RESOURCES, INC.
P.O. Box 590
Midland, Texas 79702

1/2 MILE RADIUS MAP

HARRISON NO. 2

LEA COUNTY, NEW MEXICO

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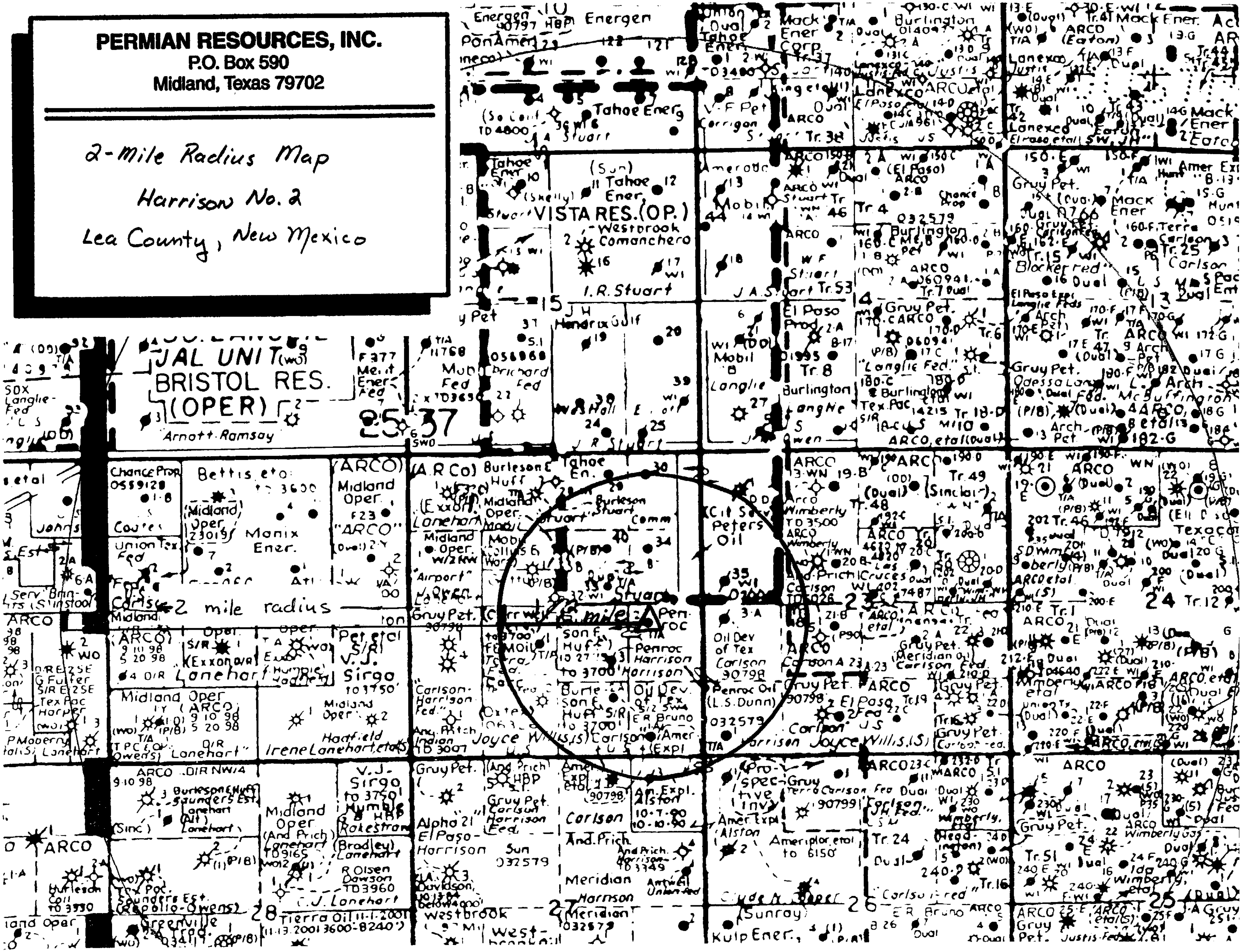
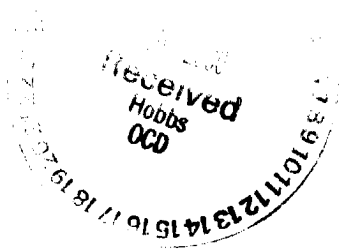
2-Mile Radius Map

Harrison No. 2

Lea County, New Mexico

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VI. TABULATION OF WELL DATA WITHIN THE AREA OF REVIEW

Section 22:

1. Mobil Oil Corp. #30 Langlie-Mattix Queen Unit
   (orig. Eppenauer Stuart Community #1)
   330' FNL 990' FEL Unit "A"
   OH Completion 2849 - 3373' (Queen) IP
   12-1/2" @ 225' w/200 sxs.
   8-5/8" @ 1235' w/250 sxs.
   7" @ 2849' w/250 sxs.
   OWDD (1948) 3366 to 3399'

2. Mobil Oil Corp. #34 Langlie-Mattix Queen Unit
   (orig. Amerada Pet. #1 Frances Stuart Unit B)
   1650' FNL 990' FEL Unit "H"
   OH Completion 3298 - 3380' (TD) (Queen) IP 36 BOPD
   7-5/8" @ 1115' 2/250 sxs
   5-1/2" @ 3298' w/200 sxs
   OWWO (1950) perfed csg. 3280 - 3295'
   New IP - 17.2 BO 4.3 BW

3. Mobil Oil Corp. #40 Langlie-Mattix Queen Unit
   1650' FNL & 1650' FEL Unit "G"
   (orig. Amerada Pet. #1 Frances Stuart)
   Perfs 3278 - 3345' IP 2 BO,64 BW Queen
   10-3/4" @ 162' w/175 sxs.
   7-5/8" @ 1103' w/250 sxs.
   5-1/2" @ 3285' w/200 sxs.
   (OWWO orig prod zone 3285 - 3345' & 2697 - 3098' (sqzd off w/200 sxs.)

4. Mobil Oil Corp. #33 Langlie-Mattix Queen Unit
   (George L. Buckles #2 Stuart Tract #6) Unit "G"
   2310' FNL, 1650' FEL
   Prod from OH 3217 - 3339' P 12.25 BOPD (Queen)
   8-5/8" 636'/450 sxs
   4-1/2" 3217'/100 sxs.

5. Burleson & Huff #1 Mobil
   1980' FNL & 2180' FWL Unit "F"
   Perfs 3150 - 3341' (Queen) IPF 231 MCFGPD
   8-5/8" @ 1016' w/550 sxs.
   4-1/2" @ 3450' w/400 sxs.
   OWWO (1986) new perfs 2805 - 2965' (Yates)
   IPF 208 MCFGPD 1 BWPD PBTD @ 3080'

6. Mobil Oil Corp. #32 L-M Queen Unit
   2530' FNL & 2600' FEL Unit "F"
   Perfs 3230 - 3540 (Queen) Water Injection Well
   8-5/8" @ 1060' w/700 sxs
   5-1/2" @ 3620' w/700 sxs


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7. Morris Antweil #1 Terra Federal
   1980' FSL & 2310' FWL Unit "K"
   Perfs 3242 - 3366' (Queen) IPF 96 BOPD, 7 BWPD
   8-5/8" @ 400' w/250 sxs.
   5-1/2" @ 3470' w/860 sxs.
   Well is presently temporary abandoned

8. Permian Resources #3-22 Harrison
   1650' FEL & 1650' FSL Unit "J"
   OH 3275 - 3377' (Queen) IP 18 BOPD
   9-5/8" @ 965' w/500 sxs.
   7" @ 3226' w/300 sxs.

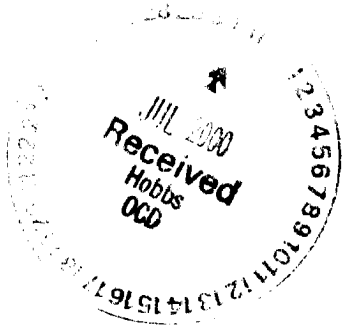
9. Morris Antweil #2 Terra Federal
   990' FSL & 2310 FWL Unit "N"
   Perfs 2925 - 3001' (Yates) IPF 262 MCFGPD
   8-5/8" @ 400' w/250 sxs.
   4-1/2" @ 3470' w/425 sxs.

10. Permian Resources #2 A-22 Carlson
    990' FSL & 1650' FEL Unit "O"
    OH completion 3218 - 3348' (7 Rivers/Queen)
    IPF 1245 MCFD
    13" @ 150' w/100 sxs.
    9-5/8" @ 1141' w/300 sxs.
    7" @ 3218' w/300 sxs.

11. Permian Resources #1 A-22 Carlson
    (orig. Italo Petroleum Corp. - 1938 comp)
    990' FEL & 330' FSL Unit "P"
    Perfs 3183 - 3208' (Queen) IP 960 BOPD, 350 MCF
    OH 3227 - 3327'
    13" @ 167' w/100 sxs.
    9-5/8" @ 1147' w/300 sxs.
    7" @ 3227' w/300 sxs.

Section 23

12. Permian Resources #1 Harrison
    330' FSL & FWL Unit "M"
    OH completion 3268' to 3319' (7 Rivers/Queen)
    IP 125 BOPD 300 MCF
    9-5/8" @ 1204' w/500 sxs.
    7" @ 3200' w/250 sxs.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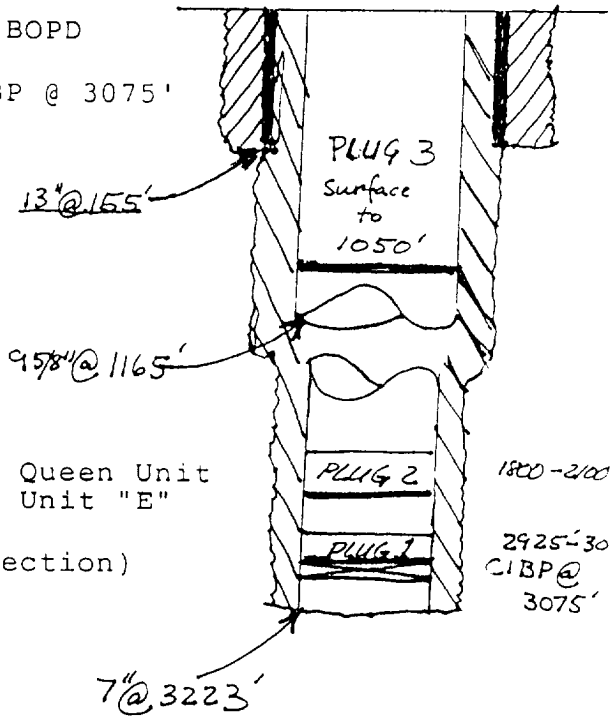
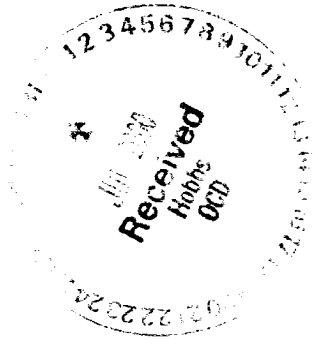
13. Santa Fe Energy Co. #3 Carlson "A"
(orig. Italo Petroleum Corp. of America #1 A-23 Carlson - 1938)
2310' FSL & 330' FWL Unit "L"
Perfs 3242 - 3308' (Queen) IP 240 BOPD
13" @ 155' w/100 sxs.
9-5/8" @ 1165' w/300 sxs. Set CIBP @ 3075'
7" @ 3223' w/300 sxs.
Plugged and abandoned



14. Mobil Oil Corp. #35 Langlie-Mattix Queen Unit
(orig. Cities Service #2 Dobbs) Unit "E"
2310' FNL & 330' FWL
WIW Pfs. & OH 3108 - 3425' (Injection)
8-5/8" 1081' w/600 sxs.
5-1/2" 3240' w/200 sxs.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VII. DATA ON THE PROPOSED OPERATION

(1) Average and maximum daily volume of fluids: 250 barrels water per day per well. Maximum: 500 barrels of water per day.
(2) Closed System: On-lease water and water only from offset company lease.
(3) Average and maximum injection pressure:
Average: 1200 psi Maximum: 2000 psi
(4) Sources of injection fluid: produced water

VIII. GEOLOGICAL DATA

Formation Name: Queen
Lithology: Sandstone and dolomitic sandstone
Thickness: 500' thick
Bottom of drinking water aquifers: 150' Ogallala, none below

IX. PROPOSED STIMULATION

1500 Gallons HCL 15%, NeFe

X. LOGGING DATA

None available for subject well. Copy of log for nearby offset well is attached.

XI. FRESH WATER WELLS (located within one mile of proposed disposal well)

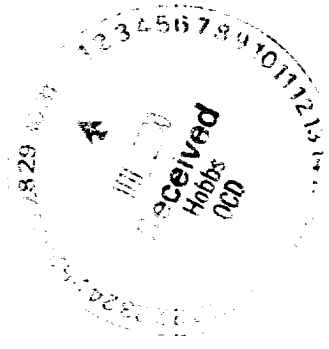
Three (3) fresh water wells have been found within one (1) mile of the proposed injection well.

1) Abandoned well (w/dry stock tank) Distance: ±40 yards ESE. Apparently equipped with submersible pump - no pump function. No well access. No sample collected.

2) Domestic well (Home of Andy Adams) Distance: 0.68 miles NNW. Water supply well for home. Sample collected: 7-6-00
Submitted for analysis (Martin Water Labs): 7-10-00
Lab Analysis Report attached.

3) Windmill (Willis Ranch) Distance: 0.99 miles SSE.
Stock Well. Sample collected: 7-6-00
Submitted for analysis (Martin Water Labs): 7-10-00
Lab Analysis Report attached.

Surface locations for each of the existing water wells noted here were established with a hand-held GPS unit and are shown on the 1/2 mile radius map submitted with this application.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P. O. BOX 1468
MONAHANS, TEXAS 79756
PH. 943-3234 OR 563-1040

Martin Water Laboratories, Inc.

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Mr. Dave Kvasnicka
P.O. Box 590, Midland, TX 79701

LABORATORY NO. 70021
SAMPLE RECEIVED 7-10-00
RESULTS REPORTED 7-11-00

COMPANY Permian Resources, Inc. LEASE Harrison
FIELD OR POOL
SECTION ____ BLOCK ____ SURVEY ____ COUNTY Lea STATE NM
SOURCE OF SAMPLE AND DATE TAKEN:
NO. 1 Raw water - taken from Andy Adams house well (9:40 a.m.). 7-6-00
NO. 2 Raw water - taken from Willis Ranch windmill (9:45 a.m.). 7-6-00
NO. 3
NO. 4
REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0029	1.0037		
pH When Sampled				
pH When Received	7.55	7.22		
Bicarbonate as HCO_3	307	220		
Supersaturation as $CaCO_3$				
Undersaturation as $CaCO_3$				
Total Hardness as $CaCO_3$	28	1,330		
Calcium as Ca	8	336		
Magnesium as Mg	2	119		
Sodium and/or Potassium	343	323		
Sulfate as SO_4	389	790		
Chloride as Cl	84	731		
Iron as Fe	0.09	0.09		
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	1,134	2,519		
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen,				
Hydrogen Sulfide	0.0	0.0		
Resistivity, ohms/m at 77° F.	7.07	2.52		
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	5.2	6.0		

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks: The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

Form No. 3

By _____
Waylan C. Martin, M.A.


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XII. Geological Statement

I have examined all geologic and engineering data available for the Harrison Lease area and find no evidence of open faults and other hydrologic connection between the disposal zone and any underground drinking water sources.

Dave Kvasnicka, Professional Geologist (Wyo) PG-1661


Received
Mobile
OEO

XIV. PROOF OF NOTICE

(1) Surface Owner: Mr. George Willis
P. O. Box 307
Jal, NM 88252

(2) Offset Production Owners:

Lewis B. Burleson, Inc.
P. O. Box 2479
Midland, TX 79702

F&M Oil & Gas Company
P. O. Box 891
Midland, TX 79702

Vista Resources of Texas, Inc.
550 W. Texas Avenue, Ste. 700
Midland, TX 79701

(3) Legal Notices:

Hobbs Daily News-Sun
Hobbs, New Mexico


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AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of 1

weeks.

Beginning with the issue dated

July 2 2000

and ending with the issue dated

July 2 2000

Kathi Bearden

Publisher

Sworn and subscribed to before me this 18th day of July 2000

Jodi Henson

Notary Public.

My Commission expires
October 18, 2000
(Seal)

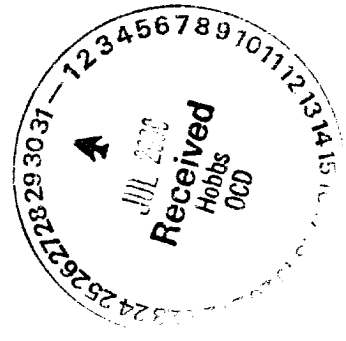
This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE
July 2, 2000
(AMENDED)

Permian Resources, Inc., at P.O. Box 590, Midland, Texas 79702, is applying to convert its Harrison #2 to salt water disposal in the Queen formation at a depth of 3218 to 3366 feet. The Harrison #2 is in the Langlie-Mattix (Queen) Field, located in Unit I, Section 22, Township 25 South, Range 37 East, Lea County, New Mexico. The expected maximum injection rate is 500 barrels of water daily at a maximum pressure of 1450 psi. Interested parties must file objections or requests for hearing with the Oil Conversation Division, P.O. Box 2088, Santa Fe, New Mexico, 87501 within 15 days. Parties requesting additional information may contact Robert Marshall at Permian Resources, Inc., at (915)685-0113 or at the address listed above.
#17489

01102680000 02539432

Permian Resources
P.O. Box 590
MIDLAND, TX 79702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