HOLLAND&HART LLP

William F. Carr
wcarr@hollandhart.com

June 29, 2010

VIA HAND DELIVERY

Mark E. Fesmire, PE JD
Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

Case 14567

RECEIVED OCD
2010 JUN 29 P 2:38

Re: Application of Endurance Resources, LLC for approval of a salt water disposal well, Lea County, New Mexico.

Dear Mr. Fesmire:

Enclosed is an original and one copy of the application of Endurance Resources, LLC in the above-referenced case (Oil Conservation Division Form C-108) as well as a copy of a legal advertisement. By copy of this letter, an additional copy of this Form C-108 is being transmitted to the Oil Conservation Division District Office in Hobbs.

Endurance Resources, LLC requests that this matter be placed on the docket for the August 5, 2010 Examiner Hearings.

Very truly yours,

William F. Carr
Ocean Munds-Dry
Attorneys for Endurance Resources, LLC
Enclosures

cc: Oil Conservation Division
District I
1625 North French Drive
Hobbs, New Mexico 88240

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

PURPOSE: ____ Secondary Recovery ____ Pressure Maintenance __X__ Disposal ____ Storage
Application qualifies for administrative approval? __X__ Yes ____ No

Case 14567

I. OPERATOR: ENDURANCE RESOURCES, LLC

ADDRESS: P.O. Box 1466 ARTESIA, NM 88211

CONTACT PARTY: RANDALL HARRIS PHONE: 575-308-0722

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 __X__ 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 geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources 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 sources 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: RANDALL HARRIS TITLE: GEOLOGIST

SIGNATURE: DATE: 3/31/10

E-MAIL ADDRESS: rharrisnm@yahoo.com

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: THIS WAS APPROVED R-7877 PREVIOUS OPERATOR LOST THE AUTHORITY TO INJECT

II. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;

(3) The formation name and depth with expected maximum injection rates and pressures; and,

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Side 1

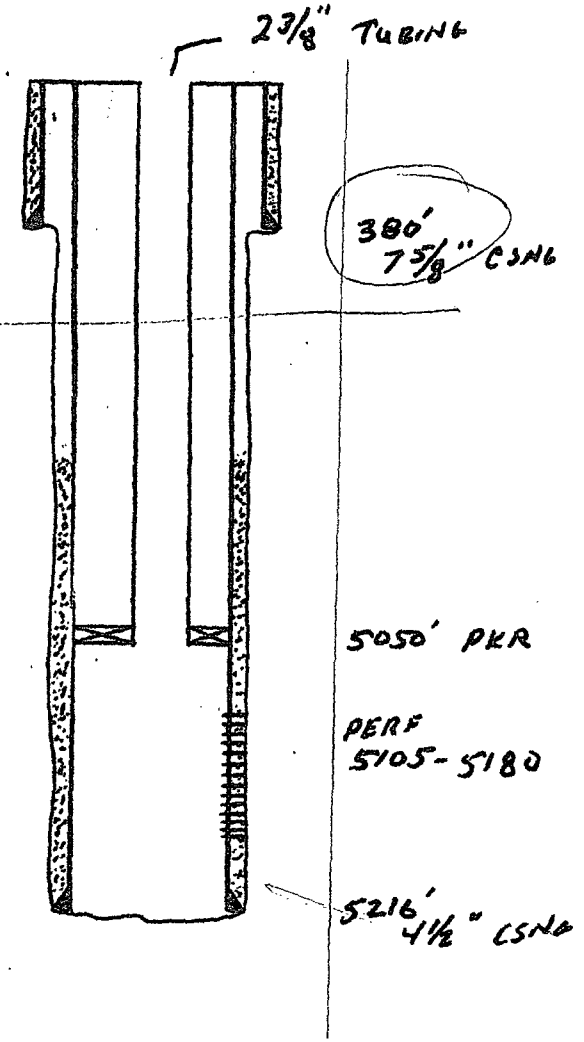
INJECTION WELL DATA SHEET

OPERATOR: ENDURANCE RESOURCES, LLC

WELL NAME & NUMBER: MARSHALL #2 30-025-08359

WELL LOCATION:	1980'FSL 1910'FWL	K	19	23S	33E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: 7 5/8

Cemented with: 200 sx. *or* _____ ft³

Top of Cement: SURFACE Method Determined: CIRC

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 6 3/4 Casing Size: 4 1/2

Cemented with: 150 sx. *or* _____ ft³

Top of Cement: 4408 Method Determined: TEMP

Total Depth: 5216

Injection Interval

5105 feet to 5180

(Perforated ~~or Open Hole~~; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8 Lining Material: PLASTIC

Type of Packer: MODEL R

Packer Setting Depth: 5050

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____ Yes X No

   If no, for what purpose was the well originally drilled? OIL

2. Name of the Injection Formation: DELAWARE (RAMSEY SAND)

3. Name of Field or Pool (if applicable): CRUZ - DELAWARE

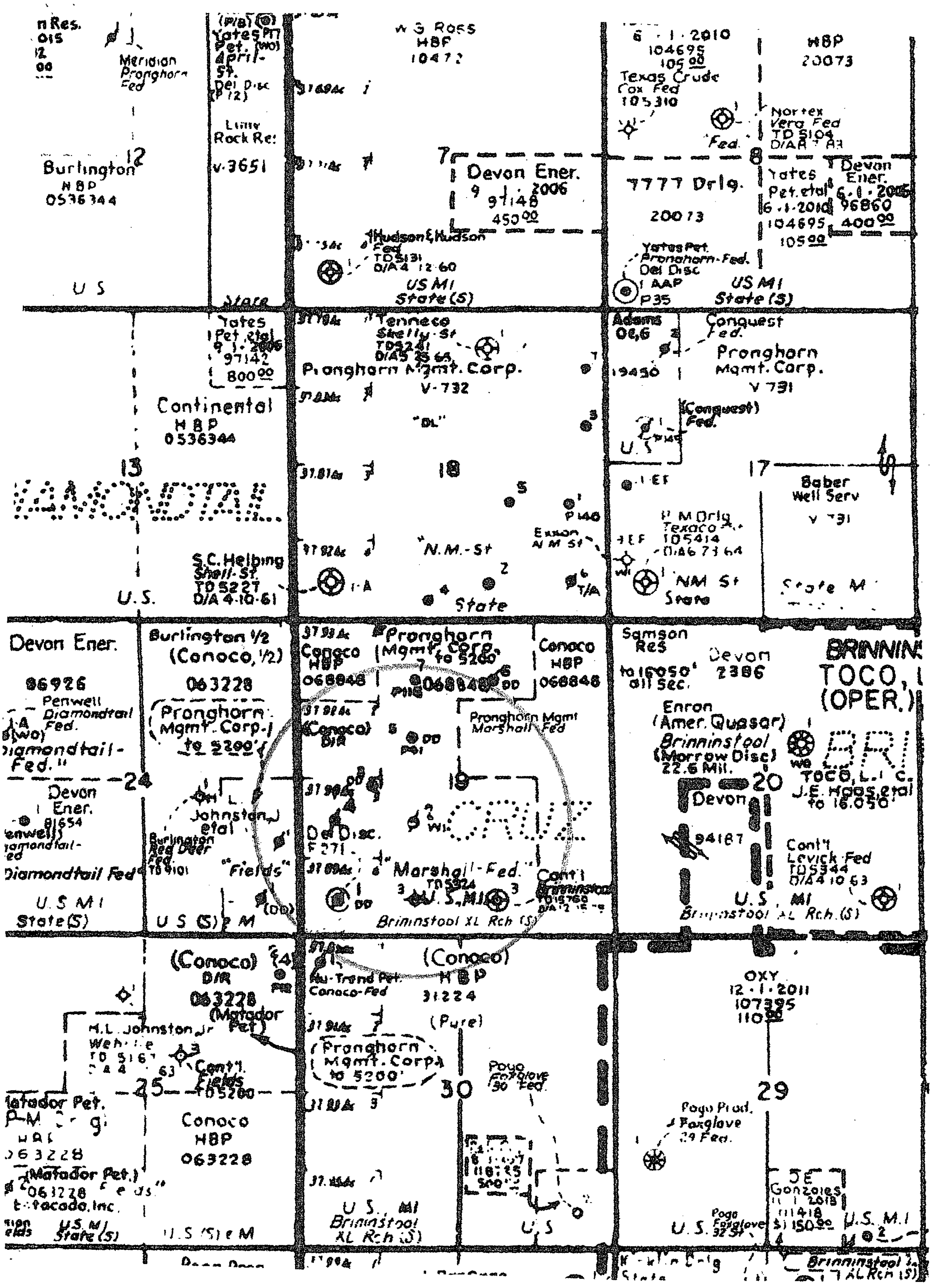
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

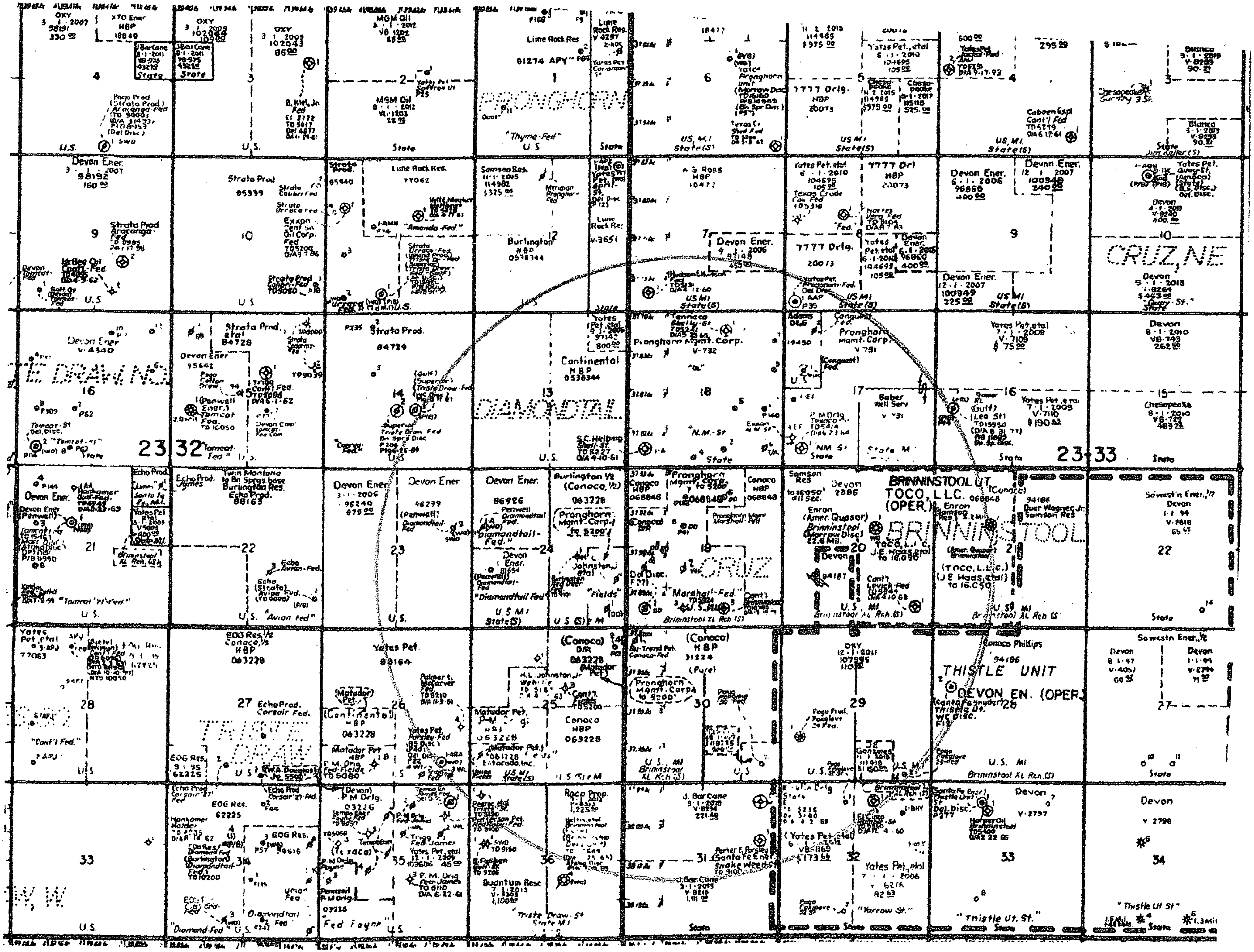
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: NO OVERLYING OIL OR GAS ZONES

   NO IMMEDIATE UNDERLYING OIL OR GAS ZONES

ATTACHMENT V

Maps that identifies all wells of public record within two miles of each proposed injection well, and the area of review one-half mile radius around each proposed injection well.


Meridian Pronghorn Fed
Yates Pet.
Little Rock Res
V-3651
W G Ross HBP 10472
Burlington HBP 0536344
12
7
8
Devon Ener. 9-1-2006 97148 450.00
7777 Drlg. 20073
HBP 20073
Texas Crude Cox Fed
Nortex Vera Fed
Yates Pet. etal 6-1-2010 104695 105.00
Devon Ener. 6-1-2006 96860 400.00
Hudson & Hudson Fed
Yates Pet. Pronghorn-Fed. Del Disc
US MI State (S)
U S
State
Yates Pet. etal 9-1-2006 97142 800.00
Tenneco Shelly-St
Pronghorn Mgmt. Corp. V-732
Adams
Conquest Fed.
Pronghorn Mgmt. Corp. V 731
(Conquest) Fed.
Continental HBP 0536344
"DL"
13
18
17
Baber Well Serv V 731
N.M.-St
S.C. Helbing Shell-St. TD 5227 D/A 4-10-61
Exxon N M St
P M Drlg Texaco 105414
NM St State
State
U.S.
Devon Ener. 96926
Burlington 1/2 (Conoco, 1/2) 063228
Pronghorn Mgmt. Corp. to 5200'
Conoco HBP 068848
Pronghorn Mgmt. Corp. to 5200'
Conoco HBP 068848
Samson Res to 16050' all Sec.
Devon 2386
BRINNIN
TOCO, L (OPER.)
Penwell Diamondtail Fed.
"Diamondtail-Fed."
(Conoco) D/R
Pronghorn Mgmt Marshall Fed
Enron (Amer. Quasar) Brininstool (Morrow Disc) 22.6 Mil.
24
19
20
Devon Ener.
Johnston etal
Burlington Red Deer Fed
"Fields"
Del Disc.
Marshall-Fed.
Devon 94187
TOCO, L.L.C. J.E. Haas, etal to 16,050
Cont'l Levick Fed
Diamondtail Fed
Cont'l Brininstool
U.S. MI State (S)
U S (S) M
U.S. MI
Brininstool XL Rch (S)
(Conoco) D/R 063228 (Matador Pet.)
(Conoco) HBP 31224
Nu-Trend Pet. Conoco-Fed
OXY 12-1-2011 107395 110.00
(Pure)
H.L. Johnston Jr
Cont'l Fields TD 5200
Pronghorn Mgmt. Corp. to 5200'
Pogo Foxglove 30 Fed.
25
30
29
Matador Pet.
Conoco HBP 063228
Pogo Prod. Foxglove 29 Fed.
(Matador Pet.) 063228
Estacado, Inc.
U.S. MI State (S)
U.S. MI Brininstool XL Rch (S)
U S
U.S.
Pogo Foxglove 32 St
Gonzales
U.S. M.I.
Brininstool XL Rch (S)



23 32
23 33
PRONGHORN
DIAMONDTAIL
CRUZ NE
CRUZ
BRINNINSTOOL
BRINNINSTOOL UT.
TOCO, L.L.C.
(OPER.)
THISTLE UNIT
DEVON EN. (OPER.)
Devon Ener.
Strata Prod.
Lime Rock Res.
Pronghorn Mgmt. Corp.
Continental
Yates Pet.
Conoco
Conoco Phillips
EOG Res.
MGM Oil
OXY
Burlington
Chesapeake
Blanco
7777 Drlg.
"Thistle Ut. St."
"Thyme Fed"

ATTACHMENT VI

Data on all wells of public record within the area of review. Included are schematics of the plugged wells that penetrated the proposed injection zone within the area of review.

WELL NAME	LOCATION	SPUD DATE	SUR.CASING	INT.CASING	PROD. CASING	COMPLETION
Endurance Marshall #5	F-Sec 19 T23S-R33E	4/15/1975	8 5/8" @ 527' 260 sxs Circ.		5 1/2" @5180' 300 sxs TOC 2500'	5090-5126 Cruz Delaware Oil
Endurance Marshall #7	C-Sec 19 T23S-R33E	12/26/1975	8 5/8" @ 1287 700 sxs Circ.		5 1/2" @ 5235 300 sxs TOC 3200'	5104-5123 Cruz Delaware Oil
Endurance Marshall #8	L-Sec 19 T23S-R33E	9/17/1977	8 5/8" @ 1223' 545 sxs		51/2" @ 5247 1200 sxs Circ	5078-5108 Cruz Delaware Oil
Endurance Marshall #1	M-Sec 18 T23S-R33E	9/5/1961	8 5/8" @ 372' 200 sxs		4 1/2" @ 5252 150 sxs TOC 4500'	5095-5099 Cruz Delaware Oil

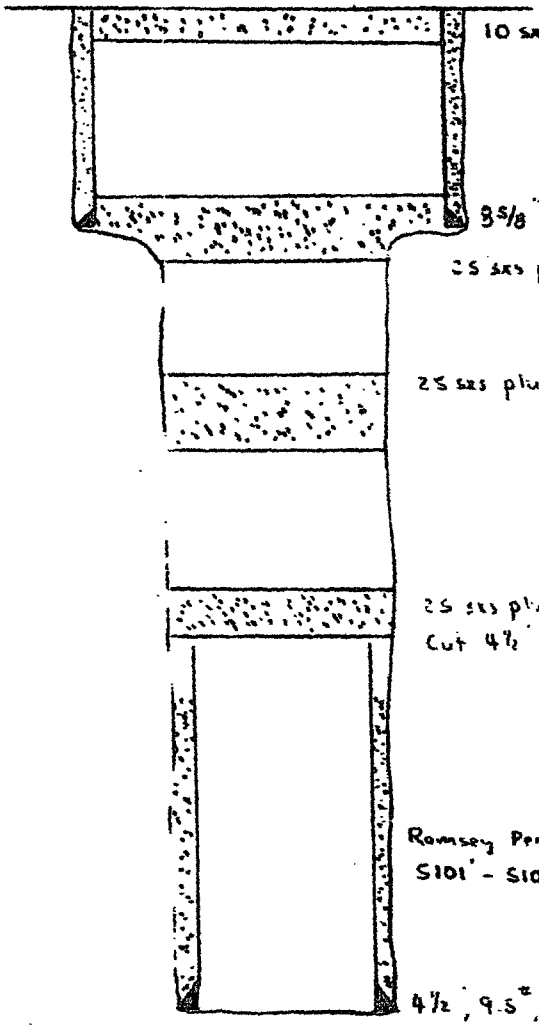
P&A Wells	Schematics Attached	
H.L. Johnston Fields Fed #1	I-Sec 24 T23S-R32E	4/15/1963
Continental Marshall #4	L-Sec 19 T23S-R33E	12/26/1961
Conoco Brinninstool Unit #3	O-Sec 19 T23S-R33E	3/31/1979
Continental Marshall #3	N-Sec 19 T23S-R33E	11/30/1961

WELL NAME : Fields Federal No. 1

Elev: 3719'

KB: _____

Location : 1650 FSL & 330 FEL
Sec 24 T23S, R32E



10 sxs. plug @ surface

9 5/8", 24#, H-40 @ 386' cmt. w/ 180 sxs (circ)

25 sxs plug from 320' to 400'

25 sxs plug from 1285' to 1370'

25 sxs plug from 4410' to 4525'
Cut 4½" Csg @ 4515'

Ramsey Perfs:
5101' - 5105' Frac w/ 100 bbls gel + 1000 lbs. sd.

4½", 9.5#, J-55 @ 5168' cmt. w/ 100 sxs (TOC @ 4050') @ 7¾ hole

WELL NAME : Brinkerhoff Unit No. 3

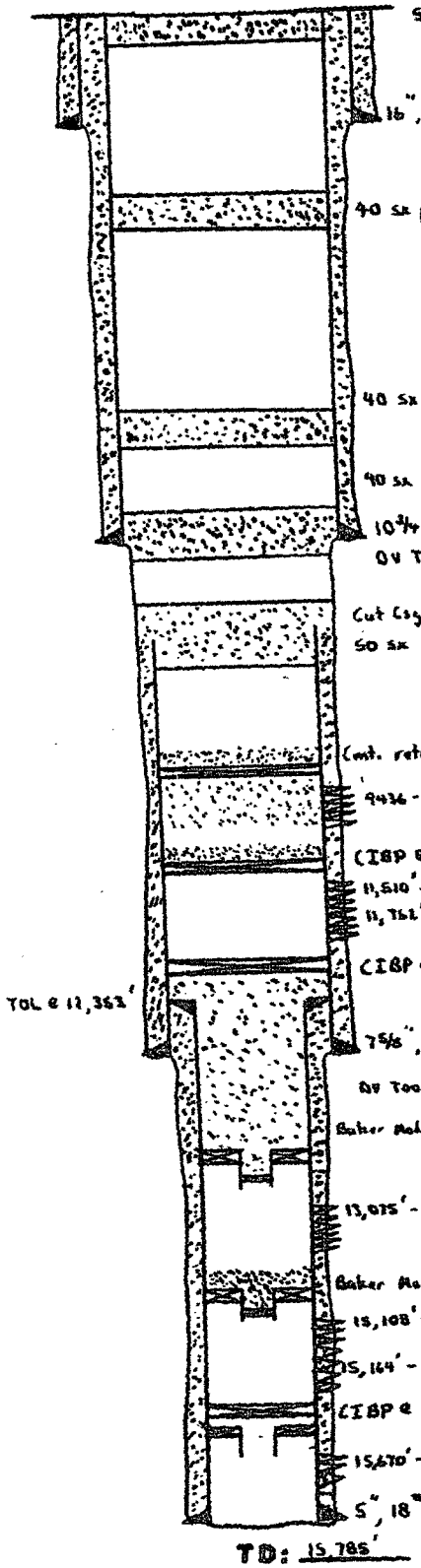
Current Status: Plugged & Abandoned

Elev. : 3407' RK

KB: 20' AGL

Location : 660 FSL & 1980 FEL

Sec 19, T23S, R33E



TD: 15,785'

PBTD: _____

EXHIBIT #5

WELL NAME : Marshall No. 4

Plugged + Abandoned

Elev: 3701' GL
KB: 13' AGL

Location : 1980 FSL & 625' FWL
Section 15, T23S, R32E

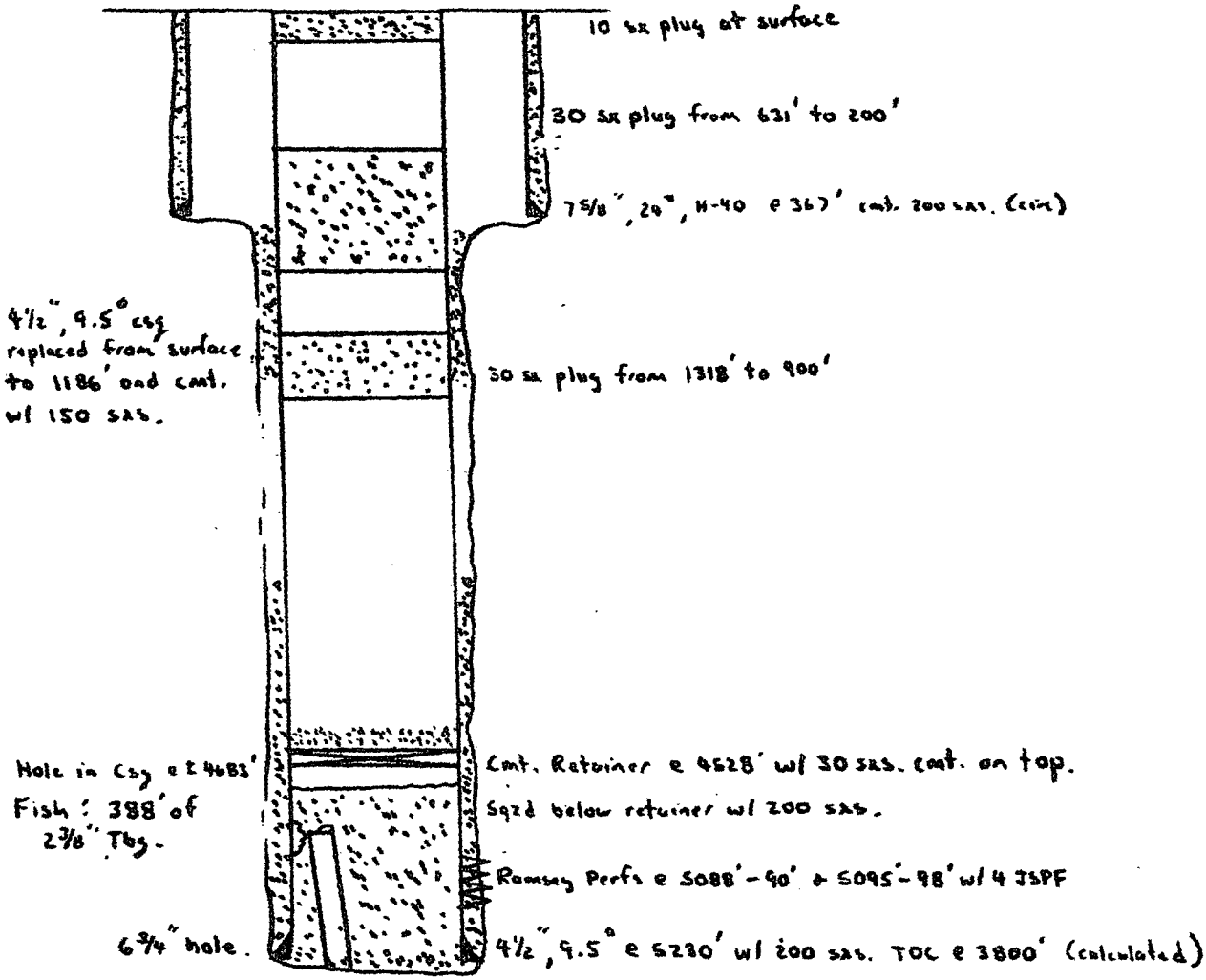


EXHIBIT #4

WELL NAME : Marshall No. 3

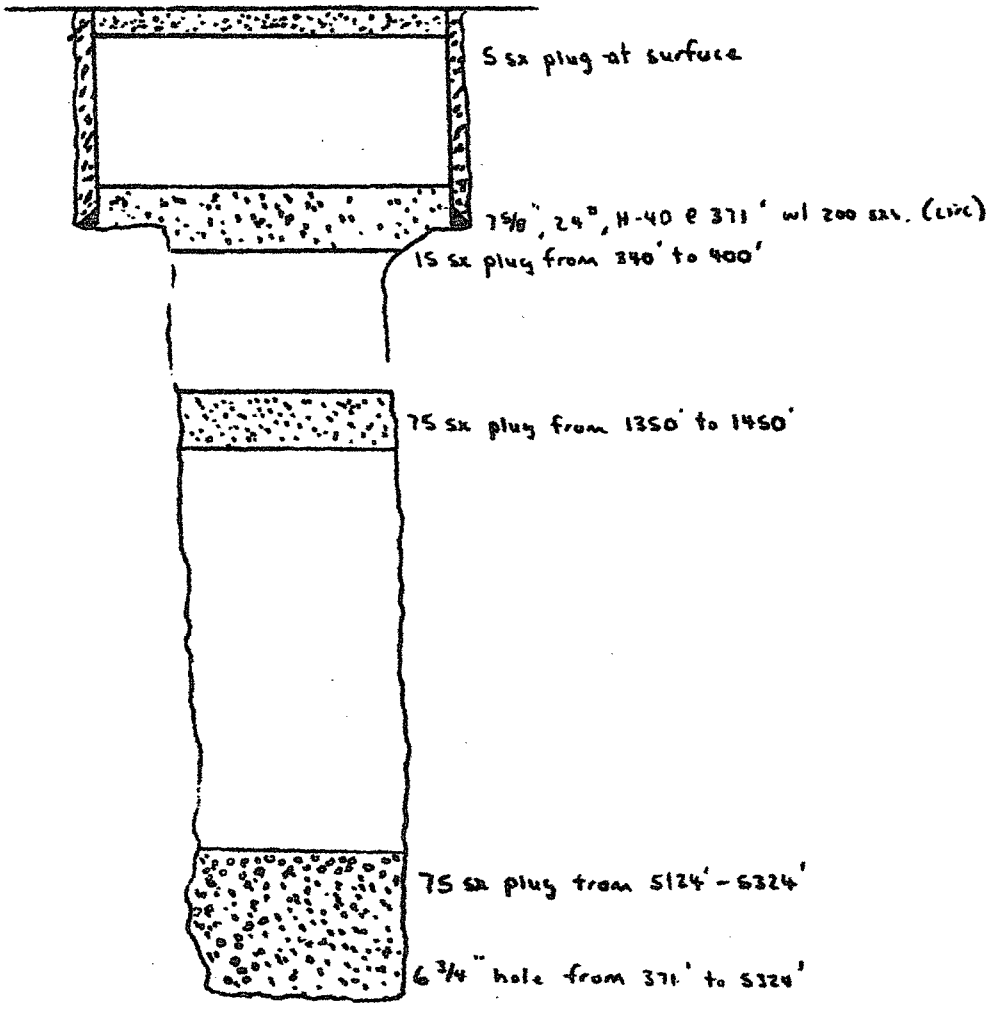
Plugged + Abondoned

Elev: 3698' GL

KB: 12' AGL

Location : 660 FSL + 1910 FWL

Section 19, T25S, R33E



ATTACHMENT VII

1) Plan to inject approximately 3,000 bpd of produced water from Endurance own operation on lease.

2) System will be closed.

3) Average injection pressure should be approximately 400#.

4) Source of water is from on lease oil production.

ATTACHMENT VIII

The proposed injection zone is sand of the Delaware formation. In this area the Delaware is approximately 3,500' thick and consists of sand and shales. In the proposed disposal well the Delaware injection interval is the first sand of the Delaware formation known as the Ramsey

There is possible drinking water overlying the injection in the surface sands at a depth of 0-400'. There is no known source underlying the injection interval.

ATTACHMENT IX

Stimulate perforations with approximately 2000 gallons 15% HCL.

ATTACHMENT XI

There three fresh water wells within one mile location and analysis attached.

SID:	2796				
Latitude:	32.2904	Longitude:	-103.612		
Section:	19	Township:	23S	Range:	33E
WBF:	TRS	Formation:	SANTA ROSA		
Depth:	0	Elevation:	3701		
Temperature:	0				
Date Collected:	Thu Feb 7 00:00:00 MST 1985	Collector:	SEO	Point of Collection:	DP
Use:	Stock				
Conductivity:	684				
Chlorides(mg/L):	28				

SID:	1952				
Latitude:	32.2904	Longitude:	-103.612		
Section:	19	Township:	23S	Range:	33E
WBF:	TRS	Formation:	SANTA ROSA		
Depth:	0	Elevation:	3701		
Temperature:	0				
Date Collected:	Tue Aug 21 00:00:00 MDT 1990	Collector:	SEO	Point of Collection:	DP
Use:	Stock				
Conductivity:	736				
Chlorides(mg/L):	45				

SID:	2483				
Latitude:	32.2904	Longitude:	-103.612		
Section:	19	Township:	23S	Range:	33E
WBF:	TRS	Formation:	SANTA ROSA		
Depth:	0	Elevation:	3701		
Temperature:	72				
Date Collected:	Wed Dec 8 00:00:00 MST 1976	Collector:	SEO	Point of Collection:	DP
Use:	Stock				

Conductivity:	1312				
Chlorides(mg/L):	52				
SID:	1862	Longitude:	-103.612		
Latitude:	32.2904	Township:	23S	Range:	33E
Section:	19	Formation:	SANTA ROSA		
WBF:	TRS	Elevation:	3701		
Depth:	0				
Temperature:	72				
Date Collected:	Fri Oct 13 00:00:00 MDT 1995	Collector:	SEO	Point of Collection:	DP
Use:	null				
Conductivity:	860				
Chlorides(mg/L):	87				

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00611		DOM	LE	1	1	3	17	22S	27E	573392	3584092*	180		
C 00957		PRO	LE	3	1	4	18	24S	26E	563005	3564410*	753	650	103
C 00963		PRO	LE	3	3	2	30	25S	25E	553411	3551895*	447		
C 00988		PRO	LE			4	01	22S	25E	561503	3586854*	55	20	35
C 01321		DOM	LE		2	3	29	21S	27E	573860	3590480*	270	60	210
C 01399		PRO	LE	3	3	2	15	21S	25E	558068	3593839*	200		
C 02216		STK	LE	2	2	4	21	23S	32E	625035	3573261*	585	400	185
C 02244		PRO	LE	3	1	2	22	24S	28E	587224	3563865*	260		
C 02270		STK	LE		1	2	27	26S	33E	636182	3543543*	150	125	25
C 02271		DOM	LE	3	2	3	21	26S	32E	624348	3544010*	300	260	40
C 02273		DOM	LE		1	2	21	26S	33E	634549	3545134*	160	120	40
C 02274		STK	LE	2	1	2	31	26S	32E	621742	3541730*	300	295	5
C 02275		COM	LE	3	3	2	19	23S	33E	630843	3573557*	650	400	250
C 02276		COM	LE	3	1	4	19	23S	33E	630848	3573154*	650	400	250
C 02277		COM	LE	2	3	4	20	23S	33E	632663	3572970*	550	400	150
C 02278		COM	LE	3	4	2	28	23S	33E	634484	3571989*	650	400	250
C 02279		COM	LE	3	4	3	28	23S	33E	633691	3571173*	650	400	250
C 02280		COM	LE	3	2	4	28	23S	33E	634489	3571586*	650	400	250
C 02281		COM	LE	3	4	4	28	23S	33E	634495	3571183*	545	400	145
C 02282		STK	LE	3	1	1	25	23S	33E	638098	3572436*	325	225	100
C 02283		STK	LE	4	2	2	26	23S	33E	637896	3572431*	325	225	100
C 02284		STK	LE	4	2	4	26	23S	33E	637907	3571626*	325	225	100
C 02285		STK	LE	4	4	4	03	26S	33E	636612	3548675*	220	180	40
C 02286		STK	LE	4	4	4	03	26S	33E	636612	3548675*	220	175	45
C 02287		STK	LE	4	4	4	03	26S	33E	636612	3548675*	220	175	45
C 02288		STK	LE	4	4	4	03	26S	33E	636612	3548675*	220	180	40
C 02289		STK	LE	4	4	4	03	26S	33E	636612	3548675*	200	160	40
C 02290		STK	LE	4	4	4	03	26S	33E	636612	3548675*	200	160	40
C 02291		STK	LE	1	1	2	06	26S	34E	640825	3550140*	220	160	60

*UTM location was derived from PLSS - see Help

ATTACHMENT XII

I, Randall L. Harris, have examined all available geologic and engineering data and there is no evidence of open faults or any other hydrologic connection between the disposal zone and any source of drinking water.

ATTACHMENT XIV

PROOF OF NOTICE

Leasehold operators within one-half mile of the well location are: None. The surface owner is the United States of America, BLM.

PROOF OF PUBLICATION

Proof of publication is attached.

Copies of this application have been sent to:

Oil Conservation Division

Bureau of Land Management
620 E. Greene St.
Carlsbad, NM 88220

Affidavit of Publication

State of New Mexico,
County of Lea.

I, KENNETH NORRIS
GENERAL MANAGER
of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period

of 1 issue(s).
Beginning with the issue dated
March 21, 2010
and ending with the issue dated
March 21, 2010

GENERAL MANAGER
Sworn and subscribed to before me
this 24th day of
March, 2010

Notary Public

My commission expires
June 16, 2013
(Seal)

OFFICIAL SEAL
Linda M Jones
NOTARY PUBLIC - STATE OF NEW MEXICO
My Commission Expires: _____

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

LEGAL

LEGAL NOTICE
MARCH 21, 2010

Endurance Resources LLC, P.O. Box 1466, Artesia, New Mexico 88211, Phone (575) 308-0722. Contact party for Endurance Resources LLC-Operator, is Randall Harris, is seeking administrative approval from the New Mexico Oil Conservation Division to utilize a well located 1980' FSL & 1910' FWL Section 19, Township 23 South, Range 33 East, Lea County, New Mexico known as the Marshall #2 for water injection. Proposed injection is in the Delaware formation through perforations 5105-5109 feet. Expected maximum injection rate of 1000 bbls per day at 600 psi. Interested parties must file objection or requests for hearing with the Oil Conservation Division, 1220 So. St. Francis Drive, Santa Fe, NM 87505 within 15 days of the notice.

#25739

67105951 00048952
ENDURANCE RESOURCES/TRITEX
PO BOX 1466
ARTESIA, NM 88211-1466

CASE _____: Application of Endurance Resources, LLC for approval of a salt water disposal well, Lea County, New Mexico. Applicant seeks approval to utilize its Marshall Well No. 2 (API No. 30-025-08359), located 1980 feet from the South line and 1910 feet from the West line of Section 19, Township 23 South, Range 33 East, NMPM, to inject up to 1000 barrels of water per day, at a maximum pressure of 600 psi, into the Delaware formation, (Ramsey Sand), Cruz-Delaware Pool, at an approximate depth of 5105 feet to 5180 feet. This well is located approximately 25 miles southwest of Eunice, New Mexico.

NOTIFICATION LIST

APPLICATION OF ENDURANCE RESOURCES, LLC FOR SALT WATER DISPOSAL LEA COUNTY, NEW MEXICO

MARSHALL WELL NO. 2

(API No. 30-025-08359)

Section 19, Township 23 South, Range 33 East

SURFACE OWNERSHIP:

Bureau of Land Management
620 E. Greene Street
Carlsbad, New Mexico 88220

MINERAL OWNERSHIP:
[½ Mile Radius]

None