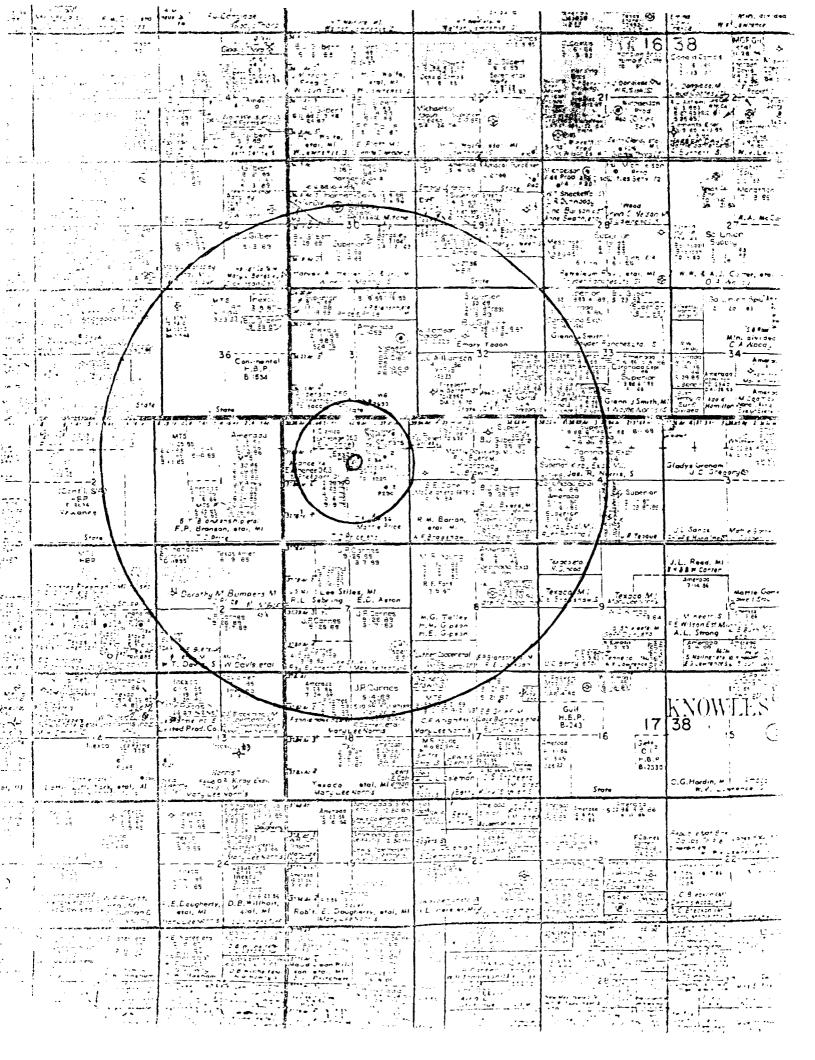
## STATE LAND OFFICE BUILDING SANTA FE. NEW MEXICO 8/501

11.	Application qualifies for administrative approval?  yes  no
24.	Address: P. O. Box 17968 San Antonio, 1x 78286
	Contact party: Joe D. Ramey Phone: 505 392-6525
11.	Well data: Complete the data required on the reverse side of this form for each well
11.	proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project?  yes  no lf yes, give the Division order number authorizing the project
٧.	Attach a map that identifies all wells and leases within two miles of an proposed injection well with a one-half mile radius circle drawn around each proposed in oction 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 recew 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.
II.	Attach data on the proposed operation, including:
	<ol> <li>Proposed average and maximum darly rate and volume of fluids to einjected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and comparing its with the receiving formation if other than reinjected produced water; and of the receiving formation if other than reinjected produced water; and of the receiving formation is for disposal purposes into a zone not productive of the proposed well, attach a chemical maximum darly sis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).</li> </ol>
11.	Attach appropriate geological data on the injection zone including appropriate lithological, 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.
х.	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.
111.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
CIV.	Certification
	I hereby certify that the information submitted with this application is true and correcto the best of my knowledge and belief.
	Name: Title Agent
	Signature:



HATOR	orn Heir	s Compan <b>y</b>	Mattie Pr LLASE	ice	
		& 1820 N LOCATION New Mexico	6 SECTION	178 TOWNSHIP	38E RANGE
Schem	atic		Ţı	ıbular Data	<del></del>
		441'	Surface Casing Size 13 3/8 TOC Circulated Hole size 17½	feet determined by	
			Intermediate Casing	feet determined by	
			Long string           Size 5½         "           TOC 12,822         "           Hole size	feet determined by 7/8	
	¥	5163'	Injection interval  12,887 feet t (perforated or open-ho		_ feet
			,°, `		
×		12887'		·	
ng size _	2 7/8	lined	with PVC		set in a
Bake (brac	er Model	R Double Gr	rip packer a	rial) t_10-000 & 12.8	00 feet
<u>Data</u>	·				
	tue inject	ion formation _ ool (if applica	Devonian   West Garre	tt Devonian	
	ield or P				
Hame of f	n new well		njection? /_7 Yes	/翌 No ?Oil Well	
Hame of f s this a f no, fo Has the v	n new well or what pu well ever plugging	rpose was the v heen perforated detail (sacks o	rell originally drilled t in any other zone(s)? of cement or bridge plu	? Oil Well  List all such perf g(s) used) 6600-	01 & 7120-21
Hame of f s this c f no, fo  Has the c and give  Sque	n new well or what pu well ever plugging sezed wi 10-011 s	tpose was the value of the laid (sacks of the 115 sxs.	rell originally drilled	? Oil Well  List all such perf g(s) used) 6600-  with 115 sxs.  96 now open.	01 & 7120-21 10550-51 & Walter is being

7

## Wells within area of interest

Osborn Heirs Company
Mattie Price No. 1
660' N&E
Section 6, T17S, R38E
Spud 2/9/70
Completed 4/13/70
Devenian oil well pred

Devonian oil well producing from open hole 12680-12696

with pit on productions

Hole size	Csg. size	Depth	Sxs. cement	Top cement
17.2	12 3/4	420	400	Circ.
11	8 5/8	5185	500	4000 Est.
7 7/8	5 ½	12680	750	7800 Est.

Osborn Heirs Company
Mattie Price No. 2
1650 N & 990E
Section 6, T17S, R38E
Spud 4/21/70
Completed 7/5/70

Devonian cil well producing from open hole 12560-12684

17 ½	12 3/4	404	375	Circ.	
11	8 5/8	5150	<b>5</b> 00	3500 Est.	
7 7/8	5½	12560	750	8100 Temp.	survey

Osborn Heirs Company Mattie Price No. 3 2300 S & 990 E Section 6, T17S, R38E Spud 7/6/70 Completed 11/24/70

Devonian oil well producting from perf. 12842-12877

17½	12 3/4	410	400	Circ.	
11	8 5/8	5154	520	3500 Est.	
7 7/8	5 ½	13146	350	11100 Temp	. survey

Osborn Heirs Company
Mattie Price No. 4
Spud 11/1/70
Completed 3/5/71
Devonian oil well producing from open hole 12847-12906
980S & 1650E
Section 6, T17S, R38E

17½	12 3/4	407	400	Circ		
11	8 5/8	5209	575	5140	Temp.	survey
7 7/8	5½	12847	525	12381	Temp.	survey

Osborn Heirs Company seeks to dispose of up to 4500 barrels of water per day which is produced from the four wells on the Mattie Price lease. The water is all produced from the West Garrett Devonian Pool and will be disposed of in the Devonian formation in their presently temporary abandoned Mattie Price No. 6. This well was producing 99% water and after testing two other possible zones in the well it was shut-in on 12/10/1973.

Ostorn will operate a closed system and it is anticipated that the well will take the 4500 barrel per day on a vacuum. However, a maximum injection pressure of 2577 is requested.

From core analysis, the Devonian is a dolomite with large vigs and fractures which would indicate excellent permeability and should be an excellent disposal zone. No well in the area has completely penetrated the Devonian but the Mattie Price Well No. 3 did penetrate over 330 feet of Devonian.

The West Garrett Devonian Pool produces through a water drive mechanism. Since the proposed disposal well did water out in late 1973, it is concluded that water injected in the well will be injected below the water-oil contact and will not interfere with the producing ability of nearby producing oil wells in the pool.

The only known fresh water in the area is from the Ogallala formation. The depth to the base of the Ogallala in the area is around 300 feet. There are no water wells within one mile of the proposed disposal well and no water tests are included in this application. However, nothing would indicate anything but high quality water in the Ogallala in the area. After examining the available geologic and engineering data, there is no evidence of open faulting or any other hydrologic connection between the disposal zone and any underground source of drinking water.

Injection into the well will be through plastic coated tubing below a packer. The present perforated interval in the well (10262-10296) will be isolated from injection by placing packers above and below this interval. Pressure tests of the annulus will establish the integrity of the upper packer and injectivity testing can establish fluid entry and lower packer integrity. The annular space will be filled with a non-corrosive packer fluid.

Copies of this application have been furnished to the surface owner and to all leasehold operators within one-half mile of the proposed disposal well, address list attached.

Copies of this application were sent by Certified Mail to the following:

Amerada Hess Corp. P. O. Box 2040 Tulsa, CK 74102

Avance Cil & Gas 625 Vaughn Building Midland, TX 79702

Clemco 120 South College Tyler, TX 75702

S. E. Cone P. O. Box 10321 Lubbook, TX 79408

Exchange Oil & Gas 1250 Poydras Street-24th floor New Orleans, LA 70112

Exxon Ccrp.
P. O. Bcx 1600
Midland, TX 79702

Vernon F. Faulconer 1100 Pecples National Bank Tyler, TX 75702

Freeport Oil Co. P. O. Bcx 3038 Midland, TX 79701

Inexco 910 Wilson Tower Corpus Christi, TX 78476

Mobil Producing Texas & New Mexico Inc. P. O. Box 633 Midland, TX 79702

Mattie Price P. O. Box 13 Tatum, NM 88267