



DIVISION

9 67

Manzano Oil Corporation

P.O. Box 2107
Roswell, New Mexico 88202-2107
(505) 623-1996

August 10, 1990

Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, NM 87501

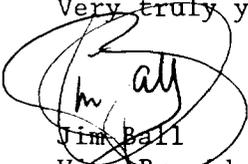
Re: Stivason Federal #1
T19S-R34E
Section 26
Lea County, New Mexico

Gentlemen:

Enclosed are 2 sets of a C-108 form with appropriate exhibits. The parties on the enclosed addressee list were notified by certified mail.

If you have any questions, please do not hesitate to contact the undersigned or Mr. Donnie Brown at the above number.

Very truly yours,


Jim Ball
Vice President, Land

JBkn

Enclosures

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? yes no
- II. Operator: Manzano Oil Corporation
Address: P.O. Box 2107, Roswell, NM 88202-2107
Contact party: Donnie E. Brown Phone: (505) 623-1996
- 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. See Exhibit #5
- * 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 Ex.VII.4.a & b
 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.). See Water Analysis. Exhibit VII.5
- *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.) See Exhibit X.
- * 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. See Exhibit XIII. A and Exhibit XIII. B
- 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: Donnie E. Brown Title Vice President of Engineering

Signature:  Date: July 25, 1990

- * 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.

III. 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 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, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

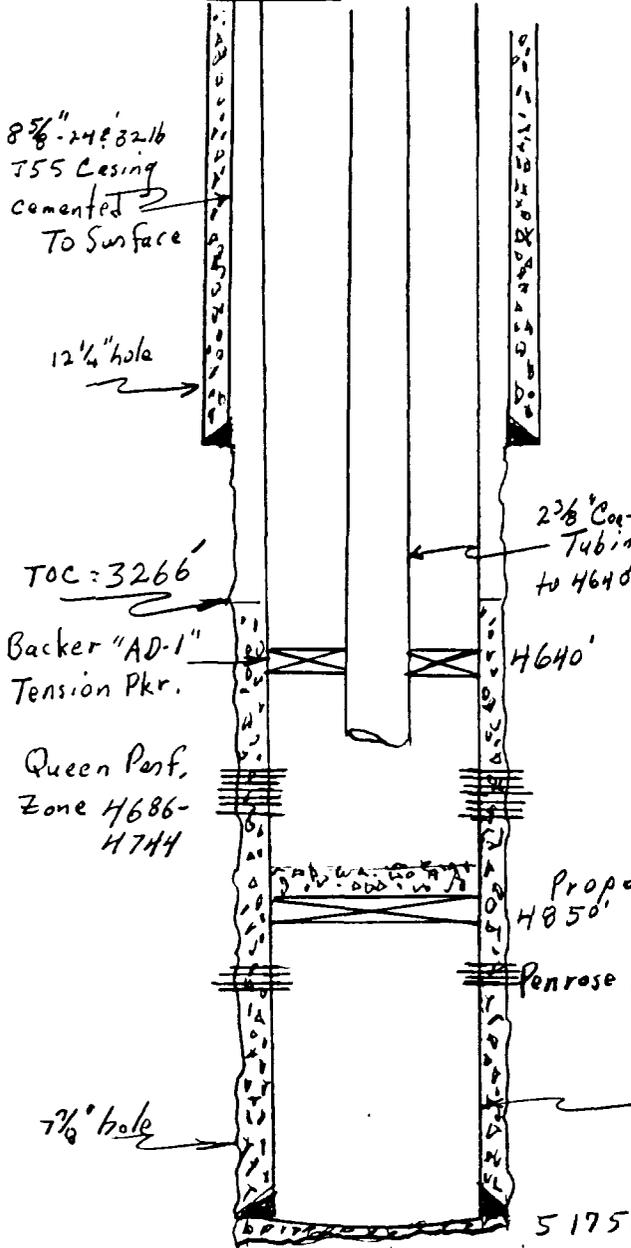
NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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.

INJECTION WELL DATA SHEET

Manzano Oil Corporation		Stivason Federal		
OPERATOR		LEASE		
#1	660' FNL & 330' FEL	26	19S	34E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic



Tabular Data

<u>Surface Casing</u>	
Size <u>8-5/8</u> "	Cemented with <u>775</u> sx.
TOC <u>Surface</u>	feet determined by <u>Inspection</u>
Hole size <u>12-1/4"</u>	
<u>Intermediate Casing</u> None	
Size _____ "	Cemented with _____ sx.
TOC _____	feet determined by _____
Hole size _____	
<u>Long string</u>	
Size <u>5-1/2</u> "	Cemented with <u>360</u> sx.
TOC <u>3266</u>	feet determined by <u>Pressure Differential</u>
Hole size <u>7-7/8"</u>	
Total depth <u>5175'</u>	
<u>Injection interval</u>	
<u>4686</u>	feet to <u>4744</u> feet
(perforated or or or , indicate which)	

Proposed CIBP @ 4850' w/25 sks Cement on Top.
 Penrose Perf 4922-30'.
 5 1/2" - 17# - N80 - LT: C Csg
 set @ 5175' w/360 sks - 50/50 Poz. Class C
 5175' TD

Tubing size 2-3/8 lined with Tuboscope TK-21 set in a
 (material)
Baker Model "AD-1" Tension Packer packer at 4640 feet
 (brand and model)
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation Queen
- Name of Field or Pool (if applicable) Pearl Queen
- Is this a new well drilled for injection? Yes No
 If no, for what purpose was the well originally drilled? Drilled for deeper oil production. Produced from Penrose perfs 4922-30'.
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Perforated 4922-30. Still open. Propose CIBP at 4850' + 25' of cement on top of CIBP.
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Underlying: Penrose at 4922
Overlying: None

- VI. 1. Manzano-Stivason Federal #2²³
1650' FEL & 330' FSL Sec. 24-T19S-R34E, Lea County, New Mexico
a. Well type: Development, oil
b. Construction: 8-5/8" surface casing to 1830'. 5-1/2" production casing to 6200'.
c. Date drilled: March 3, 1985
d. Depth: TD = 6200'
e. Record of Completion: Completed in Penrose 4930-40
f. Status: TA

2. Prudential Minerals Exploration Federal "24"-#1
660' FSL & 660' FWL Sec. 24-T19S-R34E, Lea County, New Mexico
a. Well type: Development D & A
b. Construction: 8-5/8" surface casing to 359'. Cemented with 250 sacks. No production casing run.
c. Date drilled: May 11, 1970
d. Depth 5105'.
e. Record of Completion: No cores or test. Completed as D & A 5-24-70.
f. Status: D & A
g. Schematic of plugging details: not known

3. D.W. Saint Clair Superior Federal #1
1780' FNL & 1980' FWL Sec. 25-T19S-R34E, Lea County, New Mexico
a. Well type: Development, oil
b. Construction: 8-5/8" surface casing to 211'. Cemented with 125 sacks. 5-1/2" production casing to 5150'. Cemented with 270 sacks.
c. Date drilled: April 20, 1964
d. Depth: TD 5150'
e. Record of Completion: Completed in Penrose 5042-59.
f. Status: Oil producer--Penrose

4. D.W. Saint Clair Superior Federal #2
660' FNL & 660' FWL Section 25-T19S-R34E, Lea County, New Mexico
a. Well type: Development, oil
b. Construction: 8-5/8" surface casing to 165'. Cemented with 150 sacks. 5-1/2" production casing to 5129'. Cemented with 270 sacks.
c. Date drilled: November 2, 1964
d. Depth: TD 5140'
e. Record of Completion: Penrose Completion 4936-5055
f. Status: Oil producer--Penrose

5. D.W. Saint Clair Superior Federal #3
2130' FNL & 760' FWL Sec. 25-T19S-R34E, Lea County, New Mexico
a. Well type: Development, oil
b. Construction: 8-5/8" surface casing to 228'. Cemented with 225 sacks. 5-1/2" production casing to 5148". Cemented with 270 sacks.
c. Date drilled: February 6, 1965
d. Depth: TD 5150'
e. Record of Completion: Penrose Completion - perf 4808, 4910, and 5019
f. Status: Oil Producer - Penrose

6. Superior Oil Company Government "E" #7
660' FNL and 1980' FWL Sec. 25-T19S-R34E, Lea County, New Mexico
a. Well type: Development, oil
b. Construction: 13-3/8" surface casing to 400'. Cemented with 450 sacks. 8-5/8" intermediate casing to 4100'. Cemented with 2200 sacks. 5-1/2" production casing to 10,362'. Cemented with 1410 sacks.
c. Date drilled: September 3, 1982
d. Depth: td 10,362'
e. Record of Completion: Bone Spring Completion 9736-54'
f. Status: unknown

7. Superior Oil Company Government "E" #4
330' FNL & 1650' FWL Sec. 25-T19S-R34E, Lea County, New Mexico
a. Well type: Development D & A
b. Construction: 8-5/8" surface casing to 410'. Cemented with 300 sacks. No production casing run.

See attached sheet OK

- c. Date drilled: July 13, 1975
- d. Depth: TD 6200'
- e. Record of Completion: Queen and Penrose DST wet. Completed as D & A August 7, 1975
- f. Status: D & A
- g. Schematic of plugging details: not known

- 8. Ernest Hanson Mescalero Ridge Unit 26 - #1
1989' FNL & 660' FEL Sec. 26-T19S-R34E, Lea County, New Mexico
 - a. Well type: Development D & A
 - b. Construction: 8-5/8" surface casing to 220'. Cemented with 125 sacks.
 - c. Date drilled: July 9, 1965
 - d. Depth: TD 5250'
 - e. Record of Completion: Cored Queen & Penrose. Had no shows. Completed as D & A July 23, 1965.
 - f. Status: D & A
 - g. Schematic of plugging details: not known

See attached sheet OK

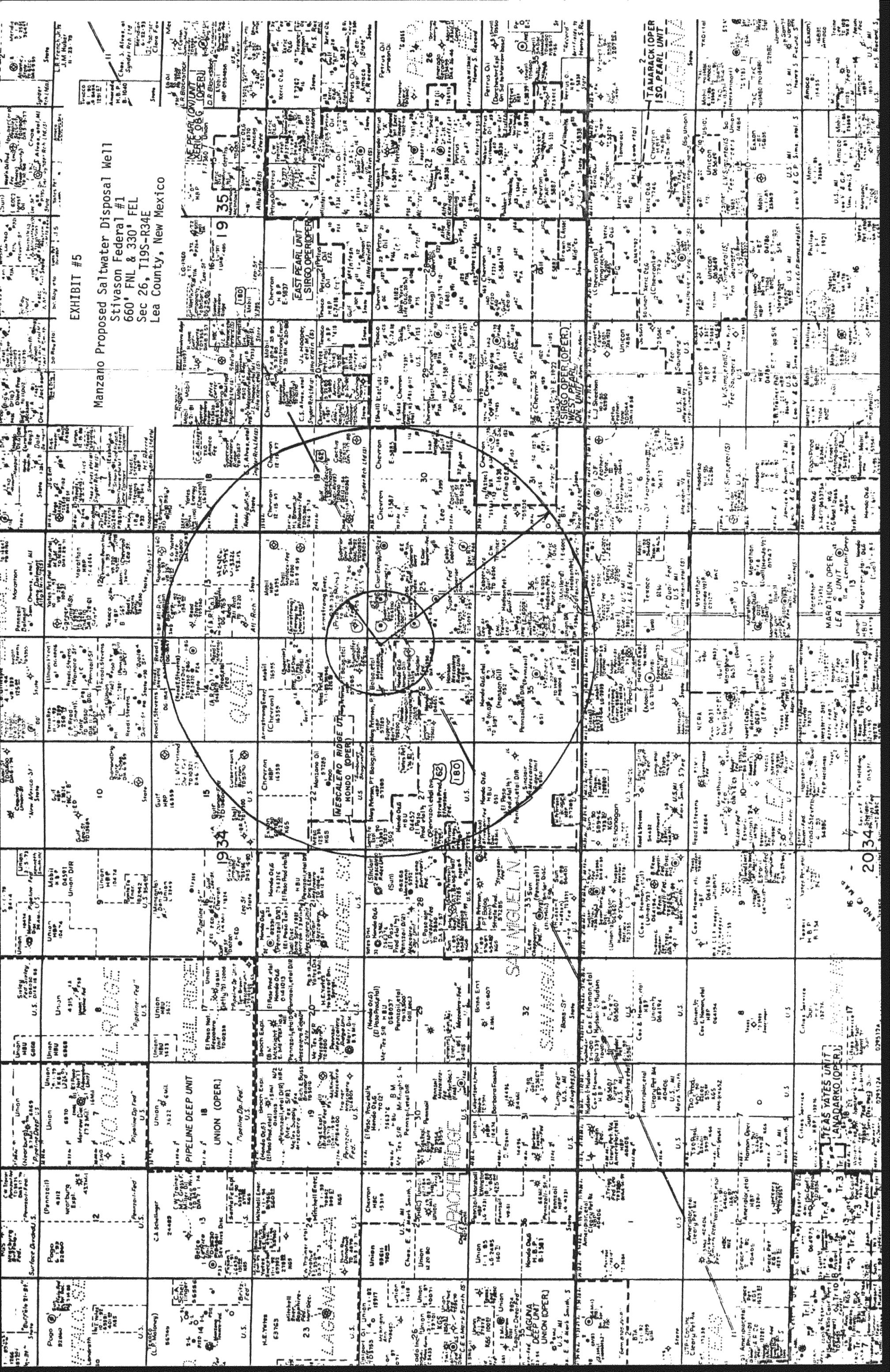
- VII. 1. The average daily rate of salt water injected will be approximately 300 bbls/day. The maximum rate will be approximately 400 bbls/day. Volume of salt water injected will be approximately 9000 bbls/month.
- 2. The system will be closed.
- 3. The average injection pressure is expected to be 1200 psi. The maximum injection pressure should not be over 2000 psi.
- 4. Sources for the disposal water will be the Manzano Stivason Lease, Section 23-T19S-R34E, the Strata Stivason Lease, Section 27 and 28, T19S-R34E, and the Manzano Sun Pearl Lease, Section 28-T19S-R34E. Water analysis of each lease is attached. Exhibits VII. 4. a and VII. 4. b.
- 5. Water analysis of Queen zone is attached. Exhibit VII. 5.

VIII. The proposed zone for salt water disposal is the Queen zone at a depth of 4666' in the Manzano Stivason Federal #1. The porous interval in which the salt water disposal will be injected is from a depth of 4686' to 4744'. This interval consists of sand stringers in Dolomite and Anhydrite. The sand usually consists of Quartz and Feldspar. This zone has been perforated and swab tested 27 barrels of salt water per hour. It is not productive of oil and gas.

There is no underground sources of drinking water in the area either overlying or underlying the Queen zone in the Manzano Stivason Federal #1.

- IX. The proposed Queen zone has already been perforated from 4686-88 with 3 holes, 4691-99 with 9 holes, and 4704-14 with 11 holes and acidized with 2000 gallons of 15% HCL acid. After this stimulation, the well swab tested 27 barrels of salt water per hour. No additional stimulation will be required.
- X. The Queen water zone was perforated from 4686-4714 overall on April 23, 1990, acidized on April 24, 1990 and swab tested for four (4) days (April 24 to April 27). Test results were 27 barrels of salt water per hour with a swabbing fluid level of 2500'.
A copy of that portion of the Neutron/Density log over the Queen Zone is attached (See Exhibit X). The complete log as well as the Guard-Forex log has already been filed with the Division.
- XI. There are no fresh water wells within one mile of this proposed salt water disposal well.
- XII. Manzano Oil has examined all available geological and engineering data in the surrounding area of the proposed disposal well and find no evidence of open faults on any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Proof of notice is attached. See Exhibit XIII. A and XIII. B.

EXHIBIT #5
Manzano Proposed Saltwater Disposal Well 1
Stivason Federal #1
660' FNL & 330' FEL
Sec 26, T19S-R34E
Lea County, New Mexico



Mixed Waters from Manzano Sun Pearl Lease
and
Strata Stivason Lease
Sec 27 & Sec 28, T19S-R34E
Lea County, New Mexico

LOCATION

YOUR EXT. NO.

THE WESTERN COMPANY

ANALYSIS NO.

WATER ANALYSIS

GENERAL INFORMATION

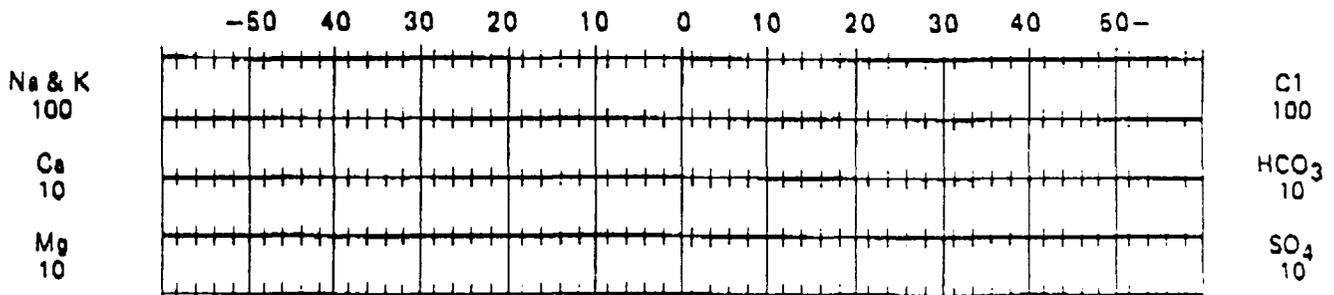
OPERATOR	Manzano	DATE SAMPLED	7/24/90
WELL	Strata Tank Battery	DATE RECEIVED	7/24/90
FIELD		SUBMITTED BY	
FORMATION		WORKED BY	D. Walser
COUNTY	Lea	SAMPLE DESCRIPTION:	Strata Tank Battery
STATE	NM		
DEPTH			

PHYSICAL AND CHEMICAL DETERMINATIONS

SPECIFIC GRAVITY	1.135	AT	74	°F	TOTAL DISSOLVED SOLIDS	185,721	PPM
pH	5.95				RESISTIVITY		PPM
IRON	faint trace				SULFATE	1031	PPM
HYDROGEN SULFIDE	N/D				BICARBONATE	140	PPM
HARDNESS					CHLORIDE	116,300	PPM
CALCIUM	493				SODIUM CHLORIDE		PPM
MAGNESIUM	8585			PPM	SODIUM		PPM
SODIUM & POTASSIUM	59,172			PPM	POTASSIUM		PPM
PHOSPHATE							

REMARKS:

for Stiff type plot (in meq./l.)



LOCATION

YOUR EXT. NO.

THE WESTERN COMPANY

WATER ANALYSIS

Strata Stivason Federal #1
 330' FNL & 330' FEL
 Sec 33, T19S-R34E
 Lea County, New Mexico

GENERAL INFORMATION

OPERATOR Strata Production	DATE SAMPLED 7/24/90
WELL Stivason Federal #1	DATE RECEIVED 7/24/90
FIELD	SUBMITTED BY
FORMATION	WORKED BY D. Walser
COUNTY	SAMPLE DESCRIPTION:
STATE	
DEPTH	

PHYSICAL AND CHEMICAL DETERMINATIONS

SPECIFIC GRAVITY 1.115 AT 74 °F	TOTAL DISSOLVED SOLIDS 161,745	PPM
pH 6.75	RESISTIVITY	PPM
IRON N/D	SULFATE 2870	PPM
HYDROGEN SULFIDE N/D	BICARBONATE 186	PPM
HARDNESS	CHLORIDE 98,655	PPM
CALCIUM 359	SODIUM CHLORIDE	PPM
MAGNESIUM 5993 PPM	SODIUM	PPM
SODIUM & POTASSIUM 53,682 PPM	POTASSIUM	PPM
PHOSPHATE		

REMARKS:

for Stiff type plot (in meq./l.)

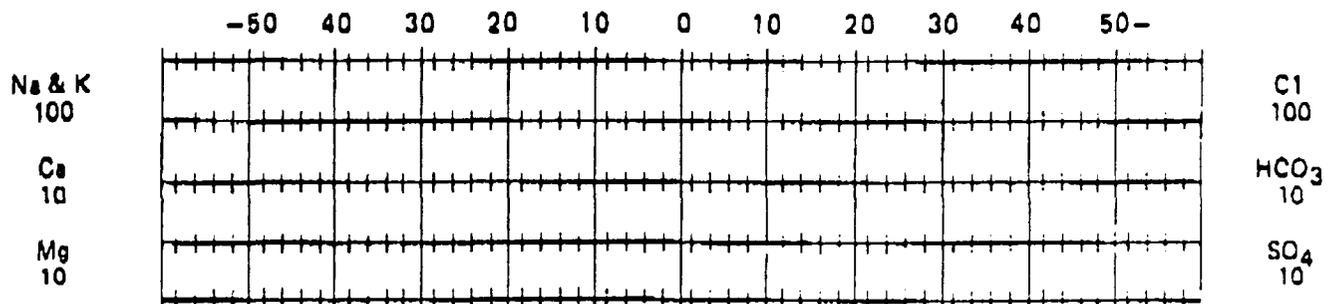


EXHIBIT X

Stivason Fed #1
 660' FNL & 330' FEL
 Sec 26-19-34
 Lea Co. - KB 3773

4550

4600

4650

60

70

80

90

4700

0

20

30

40

4750

Est Top of
 Cement 3266

$$S_w = \frac{\sqrt{(1.81)(R_w)}}{\rho - R_w} = \frac{\sqrt{0.2839}}{\rho - R_w}$$

R_w = .035

n = .91

D_n φ_p φ_m (R_w + S_w)

Queen 4684 (-911)

15 22 17 24 32

13 18 16 16 26

10 14 12 17 34

14 19 17 8 35

12 16 14 16 29

18 24 22 24 28

11 16 14 9 40

20 25 5 33

23

16 20 19 6 32

11

11

11

11

11

11

11

11

11

11

11

11

11

11

11

KB 3773

EXHIBIT XIII. A



Manzano Oil Corporation

P.O. Box 2107
Roswell, New Mexico 88202-2107
(505) 623-1996

July 26, 1990

To: Offset Leasehold Operators
Within 1/2 mile radius
and surface owner
Addressee list attached

Re: Stivason Federal #1
T19S-R34E
Section 26: 660' FNL & 330' FEL
Lea County, New Mexico

Ladies and Gentlemen:

Manzano Oil Corporation proposes to convert the captioned well from an oil well to a water disposal well.

A copy of our application is enclosed for your review as required. If you have any questions, please do not hesitate to call.

Very truly yours,

A handwritten signature in black ink, appearing to read "Jim Ball", enclosed within a circular scribble.

Jim Ball
Vice President, Land

JBkn

ADDRESSEE LIST OF OFFSET LEASEHOLD OPERATORS AND SURFACE OWNER
OF THE STIVASON FEDERAL #1 ATTACHED TO LETTER DATED
JULY 26, 1990

Surface Owner: Bureau of Land Management Grazing Leasee: Snyder Ranches
P.O. Box 1778 P.O. Box 2158
Carlsbad, NM 88220 Hobbs, NM 88240
Attn: Realty Staff

Offset Lease Operators: Yates Petroleum Corporation
105 South Fourth Street
Artesia, NM 88210
Attn: Mr. Randy Patterson

Armstrong Energy Corporation
P.O. Box 1973
Roswell, NM 88202-1973
Attn: Mr. Henry Lucero

Harvey E. Yates Company
P.O. Box 1933
Roswell, NM 88202-1933
Attn: Melissa Randle

James R. Stivason
400 West 76th Ave. #309
Anchorage, Alaska 99518

Hondo Oil & Gas Company
P.O. Box 2088
Roswell, NM 88202-2088
Attn: Mr. Larry Hunnicutt

Pennzoil Exploration and Production Company
P.O. Box 2967
Houston, TX 77252-2967

Wainoco Oil & Gas Company
1200 Smith Street, Suite 1500
Houston, TX 77002-4367

Meridian Oil, Inc.
21 Desta Drive
Midland, TX 79705

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Don Teer

of the Hobbs Daily News-Sun, a daily 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 _____

One weeks.
Beginning with the issue dated

July 31, 1990
and ending with the issue dated

July 31, 1990

[Signature]

Business Manager
Sworn and subscribed to before

me this 1st day of

August, 1990

[Signature]
Notary Public.

My Commission expires _____

July 24, 1991
(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 31, 1990
Manzano Oil Corporation
P.O. Box 2107
Roswell, NM 88202-2107
Phone number:
1 505 623 1996
Contact Party: Donnie
Brown, Vice President,
Engineering
Manzano Oil Corporation
proposes to convert the
Stivason Federal #1 well
from an oil well to a water
disposal well. The Stivason
Federal #1 well is located
660' FNL & 330' FEL of
Section 26, Township 19
South, Range 34 East,
N.M.P.M., Lea County,
New Mexico.
400 barrels of water per
day maximum shall be in-
jected at 1200 psi into the
Queen formation at a depth
of 4666 feet.
Interested parties must
file objections or request a
hearing with the New Mex-
ico Oil Conservation
Division, P.O. Box 2088,
Santa Fe, New Mexico
87501 within 15 days.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

Form approved
Budget Bureau No. 42 R1434
LEASE DESIGNATION AND SERIAL NO.
N. M. 05519

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" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Dry hole		7. LEASE AGREEMENT NAME Mescalero Ridge
2. NAME OF OPERATOR Ernest A. Hanson		8. FARM OR LEASE NAME Mescalero Ridge Unit #26
3. ADDRESS OF OPERATOR P. O. Box 1515, Roswell, New Mexico		9. WELL NO.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' PNL & 660' FEL Sec. 26, T. 19 S., R. 34 E., N.M.P.M. Lee County, New Mexico		10. FIELD AND PHOL, OR WELLS AT Pearl Queen
14. PERMIT NO.	15. ELEVATIONS (Show whether on, at, or, on, etc.) 3780' GL	11. SEC., T., R., N., OR BLE AND SECTION OR AREA Sec. 26 - 19S - 34E
		12. COUNTY OR PARISH Lee
		13. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDISE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDISING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	OTHER <input type="checkbox"/>	

(Other) _____

*NOTE: Report results of multiple completion or Well Completion or Recombination Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The captioned well was plugged and abandoned in the following manner:

- 30 sack cement plug @ 4610-4710'
- 30 sack cement plug @ 3240-3340'
- 30 sack cement plug @ 1884-1884'
- 30 sack cement plug @ 170-270'
- 10 sack cement plug @ surface and a regulation marker erected.

All cement plugs were set in heavy mud.

The location was cleaned up and made ready for inspection by the USGS.

RE

18. I hereby certify that the foregoing is true and correct

SIGNED *Ernest A. Hanson* TITLE Geologist DATE July 30, 1968

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR The Superior Oil Company	8. FARM OR LEASE NAME Government "E"
3. ADDRESS OF OPERATOR P. O. Box 1900, Midland, Texas 79701	9. WELL NO. 4
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 330' FNL & 1650' FWL of Section 25	10. FIELD AND POOL, OR WILDCAT Lea (San Andres)
14. PERMIT NO.	11. SEC. T. R. M. OF LAND AND SURVEY OR AREA Section 25
15. ELEVATIONS (Show whether of, to, or from) RKB: 3788	12. COUNTY OR PARISH OR STATE Lea New Mexico

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDISE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIFYING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details and the pertinent dates including completion or abandonment of proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all operations pertinent to this work.)*

Drilled out of 8-5/8" K-55 24 lb ST&C casing shoe at 410' on July 14, 1975 at 9:00 p.m. drilled 7-7/8" hole to 6200' on August 2, 1975. Ran open hole logs and 3 drill stem tests and determined that well was non-commercial. Per our telephone conversation with U.S.G.S. on August 6, 1975, the following cement plugs have been set:

- (1) 35 sx Class "H" plug at Grayburg/San Andres at 5245'-5145'
- (2) 35 sx Class "H" plug at Top Queen at 4625'-4525'
- (3) 35 sx Class "H" plug at Base Salt at 3300'-3210'
- (4) 35 sx Class "H" plug at Top Anhydrite at 1805'-1725'
- (5) 50 sx Class "H" plug at 8-5/8" csg shoe at 410'-300'
- (6) cut off 8-5/8" casing and placed 10 sx cement plug in top of casing.
- (7) weld a steel plate on top of 8-5/8" casing and installed dry hole marker in accordance with New Mexico Oil Conservation Rules.

Above plugging completed on August 7, 1975.
Plan to fill pits and restore surface of ground to original contour.

18. I hereby certify that the foregoing is true and correct
 SIGNED: T. D. Clay TITLE: Petroleum Engineer DATE: 8-8-75

(This space for Federal or State office use)
 APPROVED BY: _____ TITLE: _____ DATE: _____
 CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



OIL CONSERVATION DIVISION
RECEIVED

Manzano Oil Corporation

'90 NOV 16 AM 9 01

P.O. Box 2107
Roswell, New Mexico 88202-2107
(505) 623-1996

November 15, 1990

Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87501

Attn: Mr. David Catanach

Re: Stivason Federal #2
330'FSL & 1650'FEL
T19S, R34E, N.M.P.M.
Section 23
Lea County, NM

Dear Mr. Catanach:

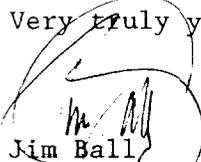
Enclosed is a Schematic on the captioned well which you requested in September or October. You needed this information in order to review and/or approve the water injection well application Manzano filed covering an offset well bore described as follows:

Stivason Federal #1
T19S, R34E, N.M.P.M.
Section 26: 660'FNL & 330'FEL
Lea County, NM

Although it has taken a great deal of time to acquire the enclosed Schematic, we would appreciate a prompt approval of the salt water injection well request covering the Stivason Federal #1.

If you need additional information for such approval, please do not hesitate to call. If I am unavailable, please ask for Mr. Donnie Brown. Thank you for your cooperation in this matter.

Very truly yours,


Jim Ball
Vice President, Land



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

HOBBS DISTRICT OFFICE

'90 AUG 20 AM 9 38

8-14-90

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

- MC _____
- DHC _____
- NSL _____
- NSP _____
- SWD _____
- WFX _____
- PMX _____

Gentlemen:

I have examined the application for the:

Manzano Oil Corp. Stinson Federal #1-A 26-19-34
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed