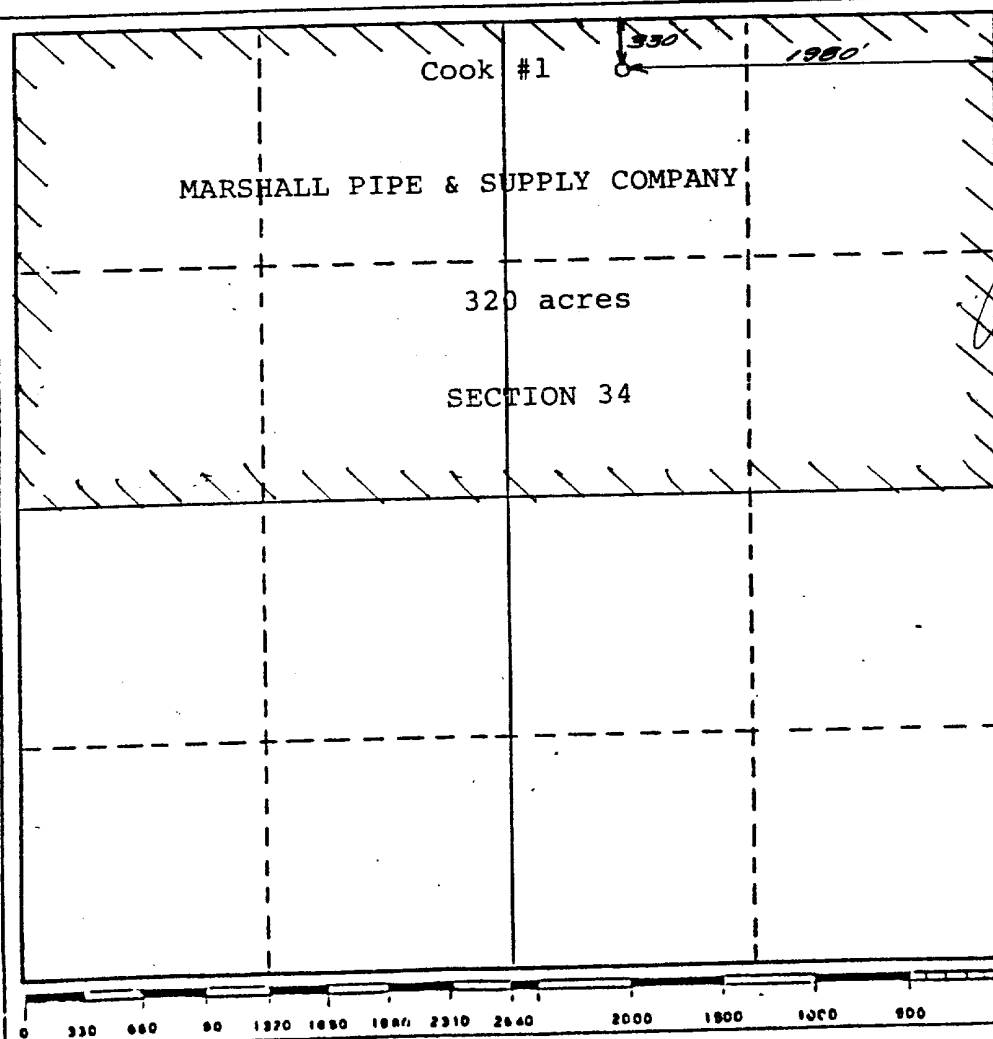


All distances must be from the outer boundaries of the Section.

|                                                                                                                               |                                                  |                                                         |                                        |                            |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------|----------------------------------------|----------------------------|
| Operator<br><b>Marshall Pipe &amp; Supply Co.</b>                                                                             |                                                  | Lease<br><b>Cook</b>                                    |                                        | Well No.<br><b>1</b>       |
| Unit Letter<br><b>B</b>                                                                                                       | Section<br><b>34</b>                             | Township<br><b>2 South</b>                              | Range<br><b>29 East</b>                | County<br><b>Roosevelt</b> |
| Actual Footage Location of Well:<br><b>330</b> feet from the <b>North</b> line and <b>1980</b> feet from the <b>East</b> line |                                                  |                                                         |                                        |                            |
| Ground Level Elev.<br><b>4359</b>                                                                                             | Producing Formation<br><b>Penn &amp; Montoya</b> | Pool<br><b>Sule Penn Gas</b><br><b>Sule Montoya Gas</b> | Dedicated Acreage:<br><b>320</b> Acres |                            |

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?  
☒ Yes   ☐ No   If answer is "yes," type of consolidation Communitization  
 If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)  
 No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

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

*J. W. Marshall*  
Name **J. W. Marshall**  
Position **Partner/Operator**

**Marshall Pipe & Supply Co.**  
Company

**1-12-88**  
Date

**1-12-88**  
Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

**4 January 1988**  
Date Surveyed

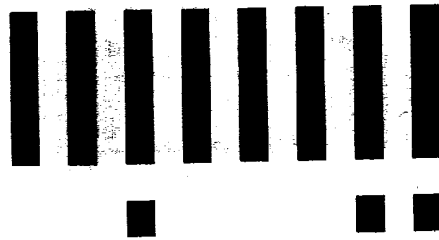
**P.R. Patton**  
Registered Land Surveyor

**8112**  
Certificate No.

**PROFESSIONAL LAND SURVEYOR**

RECEIVED  
JAN 25 1989  
OCD  
HOBBS OFFICE

FILED  
JAN 29 8-88



**LTR**



**Job separation sheet**



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

GARREY CARRUTHERS  
GOVERNOR

12-7-88

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

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

R- 8884

RE: Proposed:

MC \_\_\_\_\_  
DHC \_\_\_\_\_  
NSL \_\_\_\_\_  
NSP \_\_\_\_\_  
SWD ☒ \_\_\_\_\_  
WFX \_\_\_\_\_  
PMX \_\_\_\_\_

Gentlemen:

I have examined the application for the:

Marshall Pipe & Supply Co. Cook #1-B 34-2-29  
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK J.S.

Yours very truly,

Jerry Sexton  
Jerry Sexton  
Supervisor, District 1

/ed

# MARSHALL Pipe & Supply Company

Drilling

Producing

13423 FORESTWAY DRIVE

DALLAS, TEXAS 75240

(214) 239-7284

J. W. Marshall  
Dallas, Texas  
RESIDENCE  
(214) 233-7881

November 30th, 1988

State of New Mexico  
Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

For Federal Express:  
310 Old Santa Fe Trail  
Room 206,  
Santa Fe, New Mex 87503

Re: Conversion of Marshall Pipe & Supply 2" Tub.  
in Cook #1, NE/4 Section 34, T2S, R29E  
to a Saltwater Disposal Well for  
Tule Field, Roosevelt County, New Mexico  
Montoya Formation Only. The Penn formation  
in this well will be produced through 5-1/2"  
casing.

Gentlemen:

We are enclosing the following:

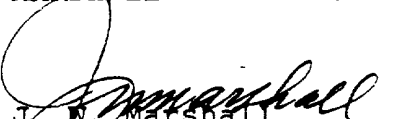
Form C-108  
Injection Well Data Sheet  
Form C-108 Detail Page  
Map and larger Area Plat  
Form C-105 covering Wendell Best #1  
Form C-105 covering Cook #1  
Otis Completion Guide, Cook #1  
Chemical Lab. Report, re: waters by Halliburton  
Affidavit regarding faults, etc.  
Letter with enclosures to Portales News Tribune  
regarding Publishing of notice  
Copy of letter to Landowner  
Letter from Nicor Exploration Company  
respectfully requesting granting approval

We will rush the clipping and affidavit of publishing from  
Portales News Tribune as soon as we receive same.

Thanking you, we are,

Very truly yours,

MARSHALL PIPE & SUPPLY COMPANY

  
J. W. Marshall  
JWM;vlj

encl: FEDERAL EXPRESS

cc: Oil Conservation Division  
P.O. Box 1980  
Hobbs, New Mexico 88241-1980

cc: Working Interest Owners

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. Operator: Marshall Pipe & Supply Co.,

Address: 13423 Forestway Dr., Dallas, Texas 75240

Contact party: J. W. Marshall Phone: 214-239-7284

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:

100 bbls + 1. Proposed average and maximum daily rate and volume of fluids to be injected;  
Closed 2. Whether the system is open or closed;  
200 - 1000psi 3. Proposed average and maximum injection pressure;  
reinjecte 4. Sources and an appropriate analysis of injection fluid and compatibility with  
produced wtr. the receiving formation if other than reinjected produced water; and  
No. 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: J. W. Marshall Title Operator

Signature: J. W. Marshall Date: 11-30-88

\* 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. VI: Wendell Best, 6-13-86, VIII: Form C-105 8-24-88, & Lab rept, X: Logs submitted 8-24-88, XI: Lab. report attached...

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office

OPERATION

PLATE

1 Unit B, 330' from North &amp; 1980' From East, Sec. 34, T2S, R29E

WELL NO.

FOOTAGE LOCATION

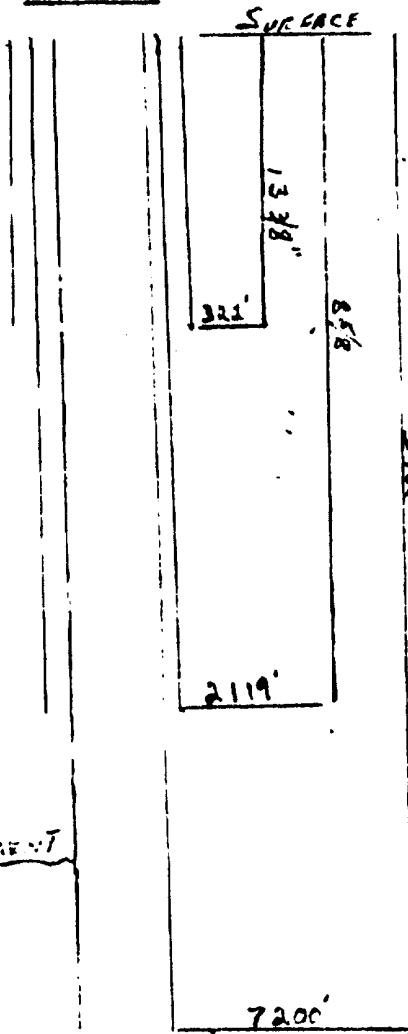
SECTION

TOWNSHIP

RANGE

Roosevelt County, New Mexico

## Schematic



## Tubular Data

## Surface Casing

Size 13-3/8" " Cemented with 300 ex.  
TOC Surface feet determined by Circulated  
Hole size 17-1/2"

## Intermediate Casing

Size 8-5/8" " Cemented with 200 Sacks Prem  
550 HOWC Lx.  
TOC Surface feet determined by Circulated  
Hole size 11"

## Long string

Size 5-1/2" " Cemented with 225 ex.  
TOC 6030' feet determined by Cement bond log  
Hole size 7-7/8"  
Total depth 7205

## Injection interval

7104 feet to 7116 feet  
(perforated or open-hole, indicate which)

Perforated.

Total Cement  
6030'

Tubing size 2-3/8" lined with - set in a  
(material)  
5-1/2" Otis WB packer at 7070 feet  
(brand and model)

(or describe any other casing-tubing seal).

## Other Data

- Name of the injection formation Montoya
- Name of field or Pool (if applicable) Tule
- Is this a new well drilled for injection? ☐ Yes ☒ No

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

commercial production of hydrocarbons

- 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) Pennsylvanian section 7050 to 7064, 6853 to 6857 and 6861 to 6863, shut in gas well because of lack of pressure to "buck" gas line. Will put Penn. zone on line when compressor is installed.

(Packer set at 7070'.) Penn formation will be produced through 5-1/2" 17#

- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Penn. section as outlined in question "4" above. (overlying) casing. N=80  
None underlying.

# MARSHALL Pipe & Supply Company

Drilling

Producing

13423 FORESTWAY DRIVE

DALLAS, TEXAS 75240

(214) 239-7284

J. W. Marshall  
Dallas, Texas  
RESIDENCE  
(214) 233-7881

## FORM C-108.

### Details:

- V. Map attached with one-half mile radius, plus larger area plat.
- VI. Copy of Form C-105 covering Wendell Best #1. (also on file with you)
- VII. Data on proposed location.
1. 100 bbls per day, plus
  2. Closed System
  3. 200 to 1000 PSIG
  4. Reinjecting produced water
- b. No.
- VIII: Copy of Form C-105 on Cook #1, filed 8-24-88, and on file with you.
- IX: None
- X: Well Logs filed with you 8-24-88
- XI. Chemical Laboratory Report prepared by Halliburton Services
- XII: Affidavit attached.
- XIII: Proof of Notice requested 11-30-88 from Portales News Tribune Portales, New Mexico, 11-30-88. Tear sheet and affidavit of Publishing will be forwarded to you upon receipt from Portales News Tribune.
- III: Well Data
- A. INJECTION WELL DATA SHEET ENCLOSED, plus Otis Completion Guide
- B. " " " "
- XIV: Copy of letter to Surface Owner with copy of Application  
By Certified Mail to: Mrs. O. A. Woody  
Woody Acres  
3414 44th St.  
Lubbock, Texas 79401
- Offset Operator: MARSHALL PIPE & SUPPLY COMPANY  
13423 Forestway Dr.  
Dallas, Texas 75240

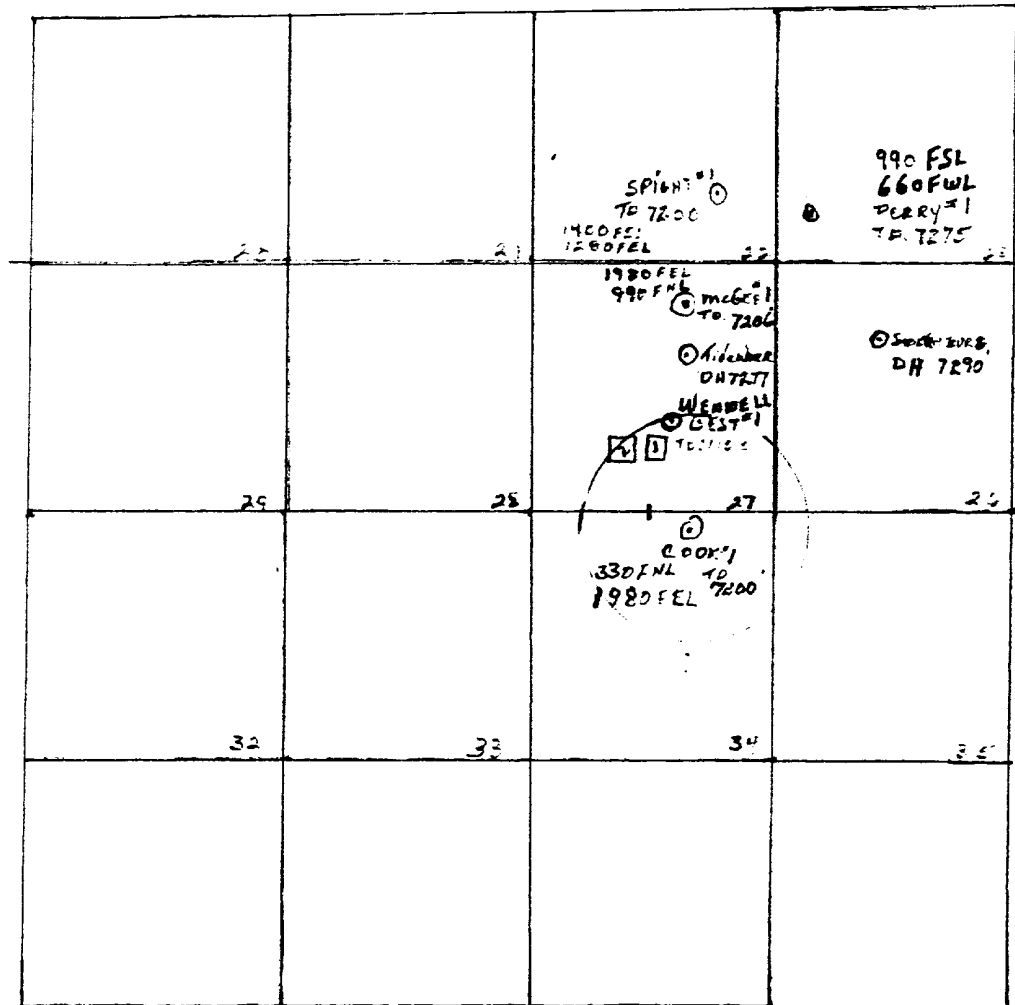
0110

020

300000000000



# DISPOSAL WELL LOCATION



1. FRESH WATER WELL.
2. FRESH WATER WELL.

1" = 4000' Sec 27 T2S, R29E ROOSEVELT CO. NEW MEXICO.



[illegible]

|                        |  |
|------------------------|--|
| NO. OF COPIES RECEIVED |  |
| DISTRIBUTION           |  |
| SANTA FE               |  |
| FILE                   |  |
| U.S.G.S.               |  |
| LAND OFFICE            |  |
| OPERATOR               |  |

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

Form C-105  
Revised 1-1-65

5a. Indicate Type of Lease  
State ☐ Fee ☒  
5. State Oil & Gas Lease No.

|                                                                                                                                                                                                                                                 |                         |                                                                                                      |                              |                                                 |                       |                                                                    |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------|-----------------------|--------------------------------------------------------------------|------------------------|
| 1a. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>                                                                                  |                         |                                                                                                      |                              |                                                 |                       | 7. Unit Agreement Name                                             |                        |
| b. TYPE OF COMPLETION<br>NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REVR. <input type="checkbox"/> OTHER <input type="checkbox"/> |                         |                                                                                                      |                              |                                                 |                       | 8. Form or Lease Name<br>Wendell Best                              |                        |
| 2. Name of Operator<br>Marshall Pipe and Supply Company                                                                                                                                                                                         |                         |                                                                                                      |                              |                                                 |                       | 9. Well No.<br>1                                                   |                        |
| 3. Address of Operator<br>Suite 533 - Roswell Petroleum Bldg. - Roswell, N.Mex. 88201                                                                                                                                                           |                         |                                                                                                      |                              |                                                 |                       | 10. Field and Pool, or Wildcat<br>Wildcat                          |                        |
| 4. Location of Well<br>UNIT LETTER <u>J</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>2310</u> FEET FROM<br>THE <u>East</u> LINE OF SEC. <u>27</u> TWP. <u>2S</u> REE. <u>29E</u> NMPM                                         |                         |                                                                                                      |                              |                                                 |                       | 12. County<br>Roosevelt                                            |                        |
| 15. Date Spudded<br>1 April 1986                                                                                                                                                                                                                |                         | 16. Date T.D. Reached<br>21 April 86                                                                 |                              | 17. Date Compl. (Ready to Prod.)<br>24 May 1986 |                       | 18. Elevations (DF, RKB, RT, GR, etc.)<br>4374 KB                  |                        |
| 20. Total Depth<br>7155                                                                                                                                                                                                                         |                         | 21. Plug Back T.D.<br>7090                                                                           |                              | 22. If Multiple Compl., How Many<br>2           |                       | 23. Intervals Drilled By<br>Rotary Tools: all<br>Cable Tools: none |                        |
| 24. Producing Interval(s), of this completion - Top, Bottom, Name<br>7006 to 7042 Montoya - 6938-6952 Pennsylvanian                                                                                                                             |                         |                                                                                                      |                              |                                                 |                       | 25. Was Directional Survey Made<br>no                              |                        |
| 26. Type Electric and Other Logs Run<br>Gamma Ray Compensated Neutron Litho Density, Dual Laterlog MSFL                                                                                                                                         |                         |                                                                                                      |                              |                                                 |                       | 27. Was Well Cored<br>no                                           |                        |
| 28. CASING RECORD (Report all strings set in well)                                                                                                                                                                                              |                         |                                                                                                      |                              |                                                 |                       |                                                                    |                        |
| CASING SIZE                                                                                                                                                                                                                                     | WEIGHT LB./FT.          | DEPTH SET                                                                                            | HOLE SIZE                    | CEMENTING RECORD                                |                       | AMOUNT PULLED                                                      |                        |
| 13 3/8                                                                                                                                                                                                                                          | 48#                     | 300                                                                                                  | 17 1/4                       | 250 sx C1 C, 2% CaCl                            |                       | circ, none                                                         |                        |
| 8 5/8                                                                                                                                                                                                                                           | 24#                     | 2185                                                                                                 | 11                           | 675 sx C1C, 2% CaCl                             |                       | circ, none                                                         |                        |
| 5 1/2                                                                                                                                                                                                                                           | 17#                     | 7153                                                                                                 | 7 7/8                        | 200 sx C1 H Top cement                          |                       | 6170' none                                                         |                        |
| 29. LINER RECORD                                                                                                                                                                                                                                |                         |                                                                                                      |                              | 30. TUBING RECORD                               |                       |                                                                    |                        |
| SIZE                                                                                                                                                                                                                                            | TOP                     | BOTTOM                                                                                               | SACKS CEMENT                 | SCREEN                                          | SIZE                  | DEPTH SET                                                          | PACKER SET             |
|                                                                                                                                                                                                                                                 |                         |                                                                                                      |                              |                                                 | 2"                    | 6998                                                               | 6998                   |
| 31. Perforation Record (Interval, size and number)<br>7006-7042', .34 jet, 73, Montoya<br>6938-6952', .34 jet, 43, Penn.                                                                                                                        |                         |                                                                                                      |                              | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  |                       |                                                                    |                        |
|                                                                                                                                                                                                                                                 |                         |                                                                                                      |                              | DEPTH INTERVAL                                  |                       | AMOUNT AND KIND MATERIAL USED                                      |                        |
|                                                                                                                                                                                                                                                 |                         |                                                                                                      |                              | 7006-7042                                       |                       | 2000 gal. 10% MCA                                                  |                        |
|                                                                                                                                                                                                                                                 |                         |                                                                                                      |                              | 6938-6952                                       |                       | 1500 gal. 10% MCA                                                  |                        |
| 33. PRODUCTION                                                                                                                                                                                                                                  |                         |                                                                                                      |                              |                                                 |                       |                                                                    |                        |
| Date First Production<br>Shut-in                                                                                                                                                                                                                |                         | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>flow Montoya, Temp Abd. Penn. |                              |                                                 |                       | Well Status (Prod. or Shut-in)<br>Shut-in                          |                        |
| Date of Test<br>5/20/86                                                                                                                                                                                                                         | Hours Tested<br>5       | Choke Size<br>various                                                                                | Prod'n. For Test Period<br>→ | Oil - Bbl.<br>1.6                               | Gas - MCF<br>518-1699 | Water - Bbl.<br>1.6                                                | Gas - Oil Ratio<br>--- |
| Flow Tubing Press.<br>1893-1400                                                                                                                                                                                                                 | Casing Pressure<br>none | Calculated 24-Hour Rate<br>→                                                                         | Oil - Bbl.<br>2.7            | Gas - MCF<br>2805 CAOF                          | Water - Bbl.<br>2.7   | Oil Gravity - API (Corr.)<br>47.7                                  |                        |
| 34. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>Vent                                                                                                                                                                              |                         |                                                                                                      |                              |                                                 |                       | Test Witnessed By<br>J.L. Ahlen - J.W. Mars                        |                        |
| 35. List of Attachments<br>C122. Deviation Certificate - Logs, CNLD - DLLMSFL                                                                                                                                                                   |                         |                                                                                                      |                              |                                                 |                       |                                                                    |                        |
| 36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.                                                                                                         |                         |                                                                                                      |                              |                                                 |                       |                                                                    |                        |
| SIGNED <u>J.L. Ahlen</u>                                                                                                                                                                                                                        |                         |                                                                                                      |                              | TITLE <u>Agent</u>                              |                       | DATE <u>13 June 1986</u>                                           |                        |

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

## Southeastern New Mexico

## Northwestern New Mexico

|                           |                        |                             |                         |
|---------------------------|------------------------|-----------------------------|-------------------------|
| T. Anhy _____             | T. Canyon _____        | T. Ojo Alamo _____          | T. Penn. "B" _____      |
| T. Salt _____             | T. Strawn _____        | T. Kirtland-Fruitland _____ | T. Penn. "C" _____      |
| B. Salt _____             | T. Atoka _____         | T. Pictured Cliffs _____    | T. Penn. "D" _____      |
| T. Yates <u>1057</u>      | T. Miss _____          | T. Cliff House _____        | T. Leadville _____      |
| T. 7 Rivers _____         | T. Devonian _____      | T. Menefee _____            | T. Madison _____        |
| T. Queen _____            | T. Silurian _____      | T. Point Lookout _____      | T. Elbert _____         |
| T. Grayburg _____         | T. Montoya <u>6989</u> | T. Mancos _____             | T. McCracken _____      |
| T. San Andres <u>2005</u> | T. Simpson _____       | T. Gallup _____             | T. Ignacio Qtzite _____ |
| T. Glorieta <u>3244</u>   | T. McKee _____         | T. Base Greenhorn _____     | T. Granite _____        |
| T. Paddock _____          | T. Ellenburger _____   | T. Dakota _____             | T. _____                |
| T. Elinebry _____         | T. Gr. Wash _____      | T. Morrison _____           | T. _____                |
| T. Tubb <u>4645</u>       | T. Granite <u>7069</u> | T. Todilto _____            | T. _____                |
| T. Drinkard _____         | T. Delaware Sand _____ | T. Entrada _____            | T. _____                |
| T. Abo <u>5204</u>        | T. Bone Springs _____  | T. Wingate _____            | T. _____                |
| T. Wolfcamp <u>5942</u>   | T. _____               | T. Chinle _____             | T. _____                |
| T. Penn. <u>6440</u>      | T. _____               | T. Permian _____            | T. _____                |
| T. Cisco (Bough C) _____  | T. _____               | T. Penn. "A" _____          | T. _____                |

## FORMATION RECORD (Attach additional sheets if necessary)

| From | To   | Thickness<br>in Feet | Formation                                | From | To | Thickness<br>in Feet | Formation                                                                                                                                |
|------|------|----------------------|------------------------------------------|------|----|----------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 0    | 1057 | 1057                 | Red Shale & Sand                         |      |    |                      | DST #1                                                                                                                                   |
| 1057 | 2005 | 948                  | Anhy, Sand, Shale<br>and Salt            |      |    |                      | 6422-6576 recovered 180'<br>sl gas cut drilling mud<br>splr 70#, 300 cc mud +<br>.558 cu. ft. gas. 15"                                   |
| 2005 | 3244 | 1239                 | Anhy, Dolomite and<br>Salt               |      |    |                      | IFP 88-88,60" ISIP 815,<br>60" FP 88-110, 120" FSIP<br>551 HP 3485 BHT 129° F                                                            |
| 3244 | 5204 | 1960                 | Anhy, Salt, Sand,<br>Shale, and Dolomite |      |    |                      | DST #2 7000-7155' GTS 5"                                                                                                                 |
| 5204 | 5942 | 738                  | Red Shale and Sand                       |      |    |                      | 1.24 MMCF/D incr to 2.7<br>MMCF/D and stab. at end o.<br>test. rec 309' cond and<br>gas cut mud + 330' cond<br>est @ 60° gr, spl ch 100' |
| 5942 | 6989 | 1047                 | Limestone, Shale and<br>Sandstone        |      |    |                      | 7.48 cu ft gas, no liqui<br>30" IFP 956-1241 60"                                                                                         |
| 6989 | 7069 | 80                   | Dolomite & chert                         |      |    |                      | ISIP 2499, 60" FP 876-<br>1337, 120" FSIP 2499 HP<br>3668, BHT 141° F                                                                    |
| 7069 | 7155 | 86                   | Granite                                  |      |    |                      |                                                                                                                                          |

RECEIVED  
JUN 16 1986  
O.C.D.  
HOBBS OFFICE

RECEIVED

DEC 6 1988

OCD  
HOBBS OFFICE

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|                                |                                         |
|--------------------------------|-----------------------------------------|
| 5a. Indicate Type of Lease     |                                         |
| State <input type="checkbox"/> | Fed <input checked="" type="checkbox"/> |
| 5. State Oil & Gas Lease No.   |                                         |
| 7. Well Agreement Name         |                                         |
| 8. Farm or Lease Name          |                                         |
| Cook                           |                                         |
| 9. Well No.                    |                                         |
| 1                              |                                         |
| 10. Field and Pool, or Wildcat |                                         |
| Tule-Penn                      |                                         |

## 10. TYPE OF WELL

OIL WELL ☐GAS WELL ☒DRY ☐OTHER ☐

## 11. TYPE OF COMPLETION

NEW WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF. RECV. ☐OTHER ☐

## 12. Name of Operator

MARSHALL PIPE &amp; SUPPLY COMPANY

## 13. Address of Operator

13423 Forestway Dr., Dallas, Texas 75240

## 14. Location of well

UNIT LETTER B LOCATED 330 FEET FROM THE North LINE AND 1980 FEET FROMTWP. T2S, RGE. R29E

## 15. Date Spudded

4-22-88

## 16. Date M.D. Reached

5-12-88

## 17. Date Compl. (Ready to Prod.)

8-24-88

## 18. Elevations (DF, RAB, RT, GR, etc.)

4359 GL

## 19. Elev. Casinghead

4369 KB

## 20. Total Depth

7205

## 21. Plug Back T.D.

Packer: 7070

## 22. If Multiple Compl., How Many

One only

## 23. Intervals Drilled By

Rotary Tools

X

## 24. Cable Tools

Yes at 5310

## 25. Producing Interval(s), of this completion - Top, Bottom, Name

Tule-Penn: 7050 to 7064, and  
6853 to 6857 and 6861 to 6863

## 26. Type Electric and Other Logs Run

Compensated Neutron/Litho-Density Log,  
Schlumberger Dual Laterolog, Litho Cyberlook, BHC Sonic/Caliper

## 27. Was Well Cored

No.

## 28. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD       | AMOUNT PULL |
|-------------|----------------|-----------|-----------|------------------------|-------------|
| 13-3/8"     | 48#            | 322       | 17-1/2"   | 300 sacks Prem. 2%CaCl | Cir/None    |
| 8-5/8"      | 24#            | 2119      | 11"       | 200 sacks Prem. 2%CaCl | Cir/None    |
|             |                |           |           | 550 sacks HOWCLt.      | Cir/None    |
| 5-1/2"      | 17#            | 7200      | 7-7/8"    | 225 sacks "H"          | None        |

## 29. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE   | DEPTH SET | PACKER SET |
|------|-----|--------|--------------|--------|--------|-----------|------------|
|      |     |        |              |        | 2-3/8" | 7070'     | 7070'      |

## 30. Perforation Record (Interval, size and number)

Tule - Penn: 7050 to 7064, and  
6853 to 6857 and 6861 to 63

## 31. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|----------------|-------------------------------|
| 7050-7064      | 2000 Gal 15% MCA              |
| 6853-63'       | 2000 Gal 15% MCA              |

## 32. PRODUCTION

Write First Production Shut In Production Method (Flowing, gas lift, pumping - Size and type pump) Flow, but not enough pressure to buck Well Status (Prod. or Shut-in) Shut-In

| Date of Test | Hours Tested | Flow Rate | Gas - MCF | Water - Bbl. | Gas - Oil Ratio |
|--------------|--------------|-----------|-----------|--------------|-----------------|
| 7-26-88      | 4 hr.        | various   | 118-157   | -0-          | --              |

| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - Bbl. | Oil Gravity - API (Cen) |
|--------------------|-----------------|-------------------------|------------|-----------|--------------|-------------------------|
| 1076-1015          | 1076-468        |                         | -0-        | 157       | -0-          | -                       |

33. Disposition of Gas (Sold, used for fuel, vented, etc.) vent Absolute Open Flow 713 Test Witnessed By W. Sutton34. List of Attachments 2-122

35. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

SIGNED J. W. Marshall TITLE Partner/Operator DATE 8-24-88



**OTIS**  
otis

of 15

OEC-217-E

020  
OFFICE



## HALLIBURTON DIVISION LABORATORY

## HALLIBURTON SERVICES

## ARTESIA DISTRICT

## LABORATORY REPORT

No. \_\_\_\_\_

TO Woody Marshall  
Marshall Pipe & SupplyDate 10-5-88

This report is the property of Halliburton Services and neither it nor any part thereof, nor a copy thereof, is to be published or disclosed without first securing the express written approval of laboratory management. It may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Services.

Submitted by \_\_\_\_\_ Date Rec. 10-5-88Well No. \_\_\_\_\_ Depth \_\_\_\_\_ Formation Montoya; Penn  
Field Sec. 27-T 25-R 29E County Roosevelt Source \_\_\_\_\_

|                     | <u>disposal well</u> | <u>windmill</u>    | <u>Fresh</u>       |
|---------------------|----------------------|--------------------|--------------------|
| Resistivity .....   | <u>0.058 @ 70°F</u>  | <u>2.88 @ 70°F</u> | <u>4.15 @ 70°F</u> |
| Specific Gravity .. | <u>1.13</u>          | <u>1.002</u>       | <u>1.00</u>        |
| pH .....            | <u>7</u>             | <u>8</u>           | <u>7.8</u>         |
| Calcium .....       | <u>15400</u>         | <u>220</u>         | <u>600 200</u>     |
| Magnesium .....     | <u>4336</u>          | <u>133</u>         | <u>100</u>         |
| Chlorides .....     | <u>115,000</u>       | <u>1000</u>        | <u>600</u>         |
| Sulfates .....      | <u>heavy</u>         | <u>small</u>       | <u>small</u>       |
| Bicarbonates .....  | <u>92</u>            | <u>275</u>         | <u>260</u>         |
| Soluble Iron .....  | <u>heavy.</u>        | <u>nil</u>         | <u>nil</u>         |
| -----               | -----                | -----              | -----              |
| -----               | -----                | -----              | -----              |
| -----               | -----                | -----              | -----              |

Remarks:

Rocky Chambers  
Respectfully submitted

Analyst: \_\_\_\_\_

HALLIBURTON SERVICES

## NOTICE:

This report is for information only and the content is limited to the sample described. Halliburton makes no warranties, express or implied, as to the accuracy of the contents or results. Any user of this report agrees Halliburton shall not be liable for any loss or damage, regardless of cause, including any act or omission of Halliburton, resulting from the use hereof.

**MARSHALL Pipe & Supply Company**

Drilling

Producing

13423 FORESTWAY DRIVE

DALLAS, TEXAS 75240

(214) 239-7284

J. W. Marshall  
Dallas, Texas  
RESIDENCE  
(214) 233-7881

AFFIDAVIT

STATE OF TEXAS X

COUNTY OF DALLAS X

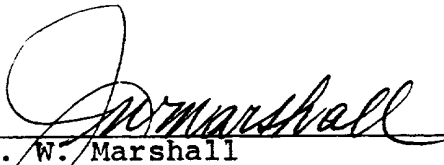
BEFORE ME, the undersigned authority in and for aforesaid County and State, on this day personally appeared:

J. W. MARSHALL

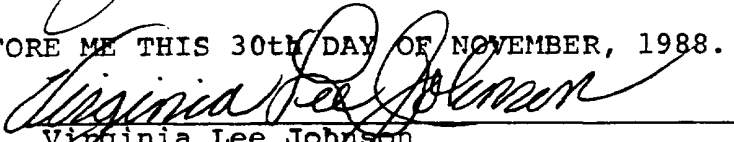
known to me to be the person whose name is signed to the instrument below, and who, after being by me duly sworn, on his oath deposes and says:

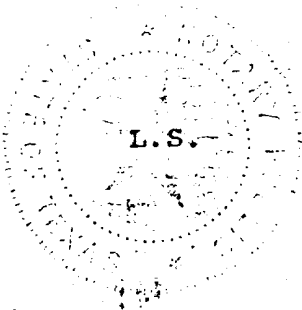
I have examined available geologic and engineering data on the Cook No. 1, Unit B, 330' from North and 1980' from East, Section 34, T2S, R29E, Roosevelt County, New Mexico, and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

Affiant further saith not.

  
J. W. Marshall

SWORN TO AND SUBSCRIBED BEFORE ME THIS 30th DAY OF NOVEMBER, 1988.

  
Virginia Lee Johnson  
Notary Public, State of Texas  
My commission expires 11-30-92



**MARSHALL Pipe & Supply Company**

Drilling

Producing

J. W. Marshall  
Dallas, Texas  
RESIDENCE  
(214) 233-7881

13423 FORESTWAY DRIVE  
DALLAS, TEXAS 75240  
(214) 239-7284

November 30th, 1988

Portales News Tribune  
101 East First Street  
Portales, New Mexico 88130

Re: Notice

Gentlemen:

We are enclosing NOTICE OF APPLICATION FOR OIL AND GAS WASTE DISPOSAL WELL PERMIT.

Please run this in your newspaper.

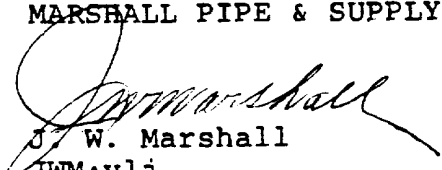
Please rush your invoice for your services, together with clipping of this published notice, plus sworn affidavit from you giving the date on which the notice was published and the pertinent county in which the newspaper is of general circulation. We are enclosing affidavit form for your convenience.

Thanking you, and if this notice is not satisfactory with notices of this type please telephone us collect for more details.

Awaiting your reply, we are,

Very truly yours,

MARSHALL PIPE & SUPPLY COMPANY

  
J. W. Marshall  
JWM:vlj

encl:

FEDERAL EXPRESS

cc: State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501

NOV 30 1988  
10:40 AM

# **MARSHALL Pipe & Supply Company**

Drilling

Producing

J. W. Marshall  
Dallas, Texas  
RESIDENCE  
(214) 233-7881

13423 FORESTWAY DRIVE  
DALLAS, TEXAS 75240  
(214) 239-7284

November 30th, 1988

## **NOTICE OF APPLICATION FOR OIL AND GAS WASTE DISPOSAL WELL PERMIT**

Marshall Pipe & Supply Company, 13423 Forestway Dr., Dallas, Texas 75240, Telephone: 214-239-7284, has applied to the State of New Mexico, Energy and Minerals Department, Oil Conservation Division for a permit to dispose of produced salt water or other oil and gas waste by well injection into a porous formation not productive of oil or gas.

The applicant proposes to dispose of oil and gas waste into the Montoya formation of the Cook Lease, Well No. 1, NE/4 Section 34, T2S, R29E, for Tule Field in Roosevelt County, New Mexico.

The waste water will be injected into strata in the subsurface depth interval from 7104 to 7116, average PSIG 200 to 1000 Maximum PSIG., through 2" Tubing with permanent packer set in 5-1/2" Casing, 100 bbls per day or as needed.

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.

STATE OF New Mexico

COUNTY OF \_\_\_\_\_

Before me, the undersigned authority, on this day personally  
appeared \_\_\_\_\_, the \_\_\_\_\_ of the  
(Name) (Title)  
\_\_\_\_\_, a newspaper having general  
(Name of Newspaper)  
circulation in \_\_\_\_\_ County, N.M., who being by me duly  
sworn, deposes and says that the foregoing attached notice was published in  
said newspaper on the following date(s), to wit: \_\_\_\_\_.

\_\_\_\_\_  
Subscribed and sworn to before me this the \_\_\_\_ day of  
\_\_\_\_\_, 19\_\_, to certify which witness my hand and seal of office.

\_\_\_\_\_  
Notary Public in and for

\_\_\_\_\_  
County, New Mexico

**MARSHALL Pipe & Supply Company**

Drilling

Producing

J. W. Marshall  
Dallas, Texas  
RESIDENCE  
(214) 233-7881

13423 FORESTWAY DRIVE  
DALLAS, TEXAS 75240  
(214) 239-7284

November 30th, 1988

Mrs. O. A. Woody  
Woody Acres  
3414 44th Street  
Lubbock, Texas 79401

Re: Cook #1  
Section 34, T2S, R29E  
Roosevelt County, New Mexico

Dear Mrs. Woody:

We are enclosing copies of Application for Authorization to inject into the Montoya formation of the Cook #1 well as a disposal well in this one formation.

The Cook #1 is a shut-in gas well in the Pennsylvanian formation, and will be placed on line when a compressor is installed to enable the gas to "buck" the pipeline pressure.

Very truly yours,

MARSHALL PIPE & SUPPLY COMPANY

  
J. W. Marshall  
JWM:vlj

encl:

CERTIFIED MAIL - DEMAND RETURN RECEIPT

cc: State of New Mexico  
Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

**SHALL** Pipe & Supply Co.

13423 FORESTWAY DRIVE  
DALLAS, TEXAS 75240

**CERTIFIED**

P-582 985 589

**MAIL**



*Demand Return Receipt*

Mrs. O. A. Woody  
Woody Acres  
3414 44th Street  
Lubbock, Texas 79401

Re •



# NICOR EXPLORATION COMPANY

One of the NICOR  
basic energy companies

1050 Seventeenth Street, Suite 1100  
Denver, Colorado 80265-1101 303-893-1666

November 18, 1988

State of New Mexico  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088.

Re: Conversion of Marshall Pipe and  
Supply #1 Cook NE/4 Sec. 34-T2S-  
R29E, to a Saltwater Disposal Well  
for Tule Field in Roosevelt  
County, New Mexico

Dear Sirs:

Marshall Pipe and Supply Company is the operator of Tule Field and desires to convert the #1 Cook, NE Section 34-T2S, R29E, to a salt water disposal well in the Montoya Fm. NICOR Exploration Company is a working interest owner in the Tule Field and is in favor of the proposed conversion.

Drill stem testing of the Cook #1 yielded 2200 of gas in pipe, 375 ft. of gas cut mud, and 625 ft. of gassy saltwater. Production tests confirmed that the Montoya section in the #1 Cook was primarily saltwater bearing and incapable of producing economically paying quantities of gas. Due to its low structural position and "wet" nature, the Montoya formation in the #1 Cook is an ideal well in which to dispose of produced saltwater.

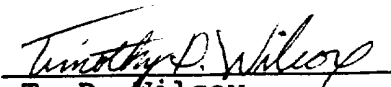
It is expected that water production from Montoya producing wells in Tule Field will gradually increase with time. Due to the high costs associated with hauling produced water from this remotely located field, it is desirable to solve our salt water disposal problems before they become volumetrically significant.

Therefore, NICOR Exploration respectfully requests that the State of New Mexico Oil Conservation Division grant Marshall Pipe and Supply Company's request to convert the subject well for saltwater disposal into the Montoya formation.

03V-0001

  
D. L. Nelson  
Rocky Mtn.  
Regional Geologist

NOV 20 1988

  
T. D. Wilcox  
Senior Petroleum  
Engineer



**MARSHALL Pipe & Supply Company**

Drilling

Producing

13423 FORESTWAY DRIVE

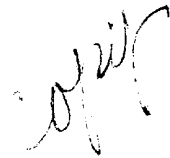
DALLAS, TEXAS 75240

(214) 239-7284

J. W. Marshall  
Dallas, Texas  
RESIDENCE  
(214) 233-7881

December 12th, 1988

State of New Mexico  
Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088



Re: Saltwater Disposal Well for Tule Field  
Cook #1, NE/4 Section 34, T2S, R29E  
Roosevelt, County, New Mexico

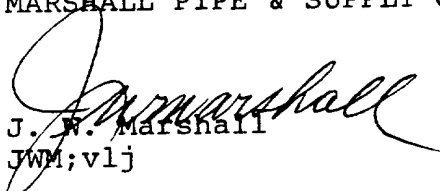
Gentlemen:

As per our letter dated November 30th, 1988, enclosed  
please find:

Clipping from The Portales News-Tribune  
and  
Affidavit of Publication (2 forms)

Very truly yours,

MARSHALL PIPE & SUPPLY COMPANY



J. W. Marshall  
JWM:vlj

encl:

cc: Oil Conservation Division  
P.O. Box 1980  
Hobbs, New Mexico 88241-1980  
With copy of Clipping and Affidavits

cc: David Vandiver,  
Dickerson, Fisk & Vandiver  
Seventh and Mahone, Suite E  
Artesia, New Mexico 88210

**LEGAL NOTICE  
NOTICE OF APPLICATION FOR  
OIL AND GAS WASTE DISPOSAL  
WELL PERMIT**

Marshall Pipe & Supply Company, 13423 Foreatway Dr., Dallas, Texas 75240 Telephone: 214-239-7284, has applied to the State of New Mexico, Energy and Minerals Department, Oil Conservation Division for a permit to dispose of produced salt water or other oil and gas waste by well injection into a porous formation not productive of oil or gas.

The applicant proposes to dispose of oil and gas waste into the Montoya formation of the Cook Lease, Well No. 1 NE/4 Section 34, T2S, R29 E, for Tule Field in Roosevelt County, New Mexico.

The waste water will be injected into strata in the subsurface depth interval from 7104 to 7116, average PSIG 200 to 1000 Maximum PSIG., through 2" Tubing with permanent packer set in 5-1/2" Casing, 100 bbls per day or as needed.

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.

Published in the Portales News-Tribune December 7, 1988. Legal 547.

# Affidavit of Publication

I, Marshall Stinnett  
Business Manager of

## THE PORTALES NEWS-TRIBUNE

a newspaper of general paid circulation and entered under second class postal privilege in Roosevelt County, published daily, (except Saturday) at Portales, New Mexico, for the fifty-two (52) consecutive weeks preceding this date, do solemnly swear that a copy of the above notice, as per clipping attached, was published weekly in the regular and entire issue of said

newspaper, and not in any supplement thereof for 1

consecutive weeks commencing with the issue dated \_\_\_\_\_

December 7 19 88

and ending with the issue dated December 7 19 88

All publication costs having been paid.

Subscribed and sworn to before me this 7th day of December 19 88

DeMaris Barnett  
Notary Public

My commission expires 3/7/91 19 91

STATE OF New Mexico

COUNTY OF Roosevelt

Before me, the undersigned authority, on this day personally  
appeared Marshall Stinnett, the Business Manager of the  
(Name) (Title)  
Portales News-Tribune, a newspaper having general  
(Name of Newspaper)  
circulation in Roosevelt County, N.M., who being by me duly  
sworn, deposes and says that the foregoing attached notice was published in  
said newspaper on the following date(s), to wit: December 7, 1988.

Marshall Stinnett

Subscribed and sworn to before me this the 8th day of  
December, 1988, to certify which witness my hand and seal of office.

Lee Marie Barnett  
Notary Public in and for

Roosevelt County, New Mexico

Legal #547