

2-5-1671

OIL CONSERVATION COMMISSION
Wythe DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE 5-5-78

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL _____
Proposed SWD ✓ _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated 5-1-78
for the Fast Enterprises Deb #40 P-36-30N-17W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

The Nakota is the only productive
zone in this immediate area
approve

Yours very truly,

AR Kendrick

NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

| | | | |
|---|-----------------------|---|---------------------------|
| OPERATOR Fast Enterprises | | ADDRESS 501 Airport dr. Rm. 110, Farmington, New Mex. | |
| LEASE NAME Deb | WELL NO. 40 | FIELD Slickrock Dakota | COUNTY San Juan |
| LOCATION UNIT LETTER P ; WELL IS LOCATED 264' FEET FROM THE South LINE AND 780' FEET FROM THE East LINE, SECTION 36 TOWNSHIP 30N RANGE 17W NMPM. | | | |

| CASING AND TUBING DATA | | | | | |
|---|---|--|--|--|--|
| NAME OF STRING | SIZE | SETTING DEPTH | SACKS CEMENT | TOP OF CEMENT | TOP DETERMINED BY |
| SURFACE CASING | 7 5/8" | 24' | 20 sx | Surface | |
| INTERMEDIATE | | | | | |
| LONG STRING | 5 1/2" | 751' | 20 sx. | 275' | Calculated |
| TUBING | 2 3/8" | 682' | NAME, MODEL AND DEPTH OF TUBING PACKER Baker M-"A" packer set 619' | | |
| NAME OF PROPOSED INJECTION FORMATION Dakota | | | TOP OF FORMATION 735' | | BOTTOM OF FORMATION 754' |
| IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing | | PERFORATIONS OR OPEN HOLES? open hole | PROPOSED INTERVAL(S) OF INJECTION 735---754 | | |
| IS THIS A NEW WELL DRILLED FOR DISPOSAL? no | IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Oil Production | | | HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? no | |
| LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH | | | | | |
| DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA none | | DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA none | | DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA none | |
| ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 40 | MINIMUM 35 | MAXIMUM 50 | OPEN OR CLOSED TYPE SYSTEM closed | IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure | APPROX. PRESSURE (PSI) 200 psi |
| ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE - Yes | | | WATER TO BE DISPOSED OF Yes | NATURAL WATER IN DISPOSAL ZONE yes | ARE WATER ANALYSES ATTACHED? Yes |
| NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Mr. Richmond Hobson, Shiprock, New Mexico 87420 | | | | | |
| LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL Walter Duncan Box 234 Farmington, New Mexico 87401 C.S.T. Enterprises Inc. 501 Airport dr. Farmington, New Mexico 87401 | | | | | |
| HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? | | | | | |
| SURFACE OWNER Yes | | EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL yes | | THE NEW MEXICO STATE ENGINEER yes | |
| ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) Yes | | ELECTRICAL LOG no | | DIAGRAMMATIC SKETCH OF WELL no | |

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

Ralph Allett
(Signature)

Operator
(Title)

May 1 1978
(Date)

NOTE: Should waivers from the State Engineer, the surface owner, and all operators within one-half mile of the proposed injection well, not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.



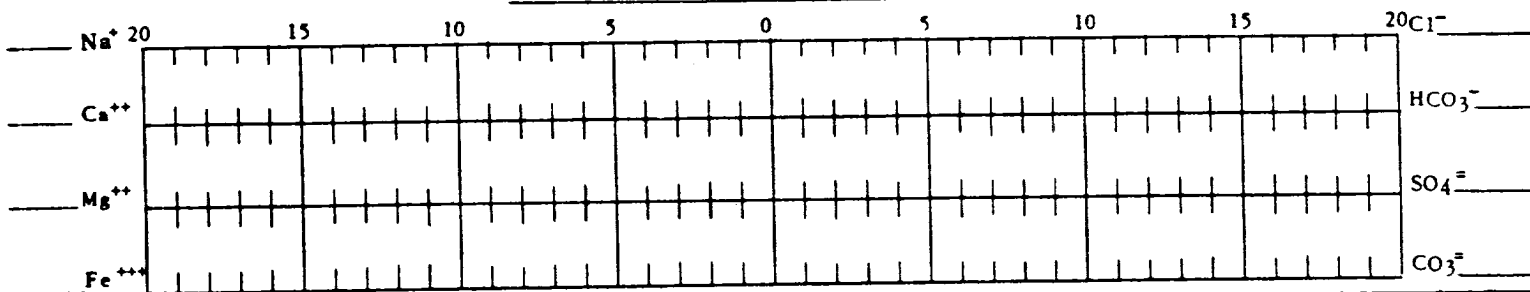
BAROID DIVISION
NL Industries, Inc.
P.O. Box 1675 Houston, Texas 77001

WATER ANALYSIS TEST REPORT

BAROID TREATING CHEMICALS

| | | | | | | | |
|---|--------|-----------------------------|--|------------------------------|--------------|---------------------|--|
| | | | | | | SHEET NUMBER | |
| COMPANY FAST - TASCO - CST ENTERPRISES | | | | | | DATE 3-9-78 | |
| FIELD | | | | COUNTY OR PARISH San Juan | | STATE New Mexico | |
| LEASE OR UNIT FAST | | WELL(S) NAME OR NO. # 40 | | WATER SOURCE (FORMATION) | | | |
| DEPTH, FT. | BHT, F | SAMPLE SOURCE | TEMP, F | WATER, BBL/DAY | OIL, BBL/DAY | GAS, MMCF/DAY | |
| TYPE OF OIL | | API GRAVITY 0 | TYPE OF WATER <input checked="" type="checkbox"/> PRODUCED WATER <input type="checkbox"/> INJECTION WATER OTHER | | | | |

WATER ANALYSIS PATTERN (NUMBER BESIDE ION SYMBOL INDICATES mg/l * SCALE UNIT)



| | ppm | epm | | ppm | epm |
|------------------|---------|------|--------------|--------|----------------|
| Sodium | 1030 | 44.8 | Chloride | 71 | 2.0 |
| Calcium | 3 | .2 | Bicarbonate | 2050 | 33.6 |
| Magnesium | 3 | .2 | Sulfate | 229 | 4.8 |
| Iron | Present | | Carbonate | 144 | 4.8 |
| H ₂ S | Present | | Hydroxide | 0 | 0 |
| | | | Total Solids | 486 | |
| | | | Dissolved | | |
| | | | pH | 9.7 | |
| | | | Sp. Gr. | 1.0004 | at 60°F |
| | | | Resistivity | 350 | ohm-cm at 70°F |

