

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
(Other instructions
see reverse side)

16*

Form approved.
Budget Bureau No. 42 R1421.

5. LEASE DESIGNATION AND SERIAL NO.

NM 18846

6. INDIAN, ALLOTTEE OR TRIBE NAME

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.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Mountain-Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Tomahawk (San Andres)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 30, T-7-S, R-32-E

12. COUNTY OR PARISH 13. STATE

Roosevelt

New Mexico

1. OIL WELL GAS WELL OTHER Salt Water Disposal

2. NAME OF OPERATOR
WOLFSON OIL CO.

3. ADDRESS OF OPERATOR
3206 Republic Bank Tower, Dallas, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2310' FNL & 1980' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether ME, RT, GR, etc.)

4423 KB

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETION

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other) Convert well to SWD

(Note: Report results of multiple completion on Well Completion or Recompletion 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.)*

We wish to convert our Mountain-Federal #1 well to salt water disposal in the current San Andres producing zone. Our current disposal facilities, which have been utilized to inject our water into Sundance Cone No. 8, are located at the well and there will be no new surface disturbance. Instead of pumping to Sundance, we will pump into the flowline of our No. 1 well through 2" tubing set with a packer above the perforations with treated water behind the tubing. Injection will be monitored by appropriate pressure gauges.

RECEIVED

JUN 16 1980

U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

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

SIGNED

H. G. Freedman

(This space for Federal or State office use)

TITLE: Production Engineer

DATE June 13, 1980

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE:

APPROVED

JAN 20 1981

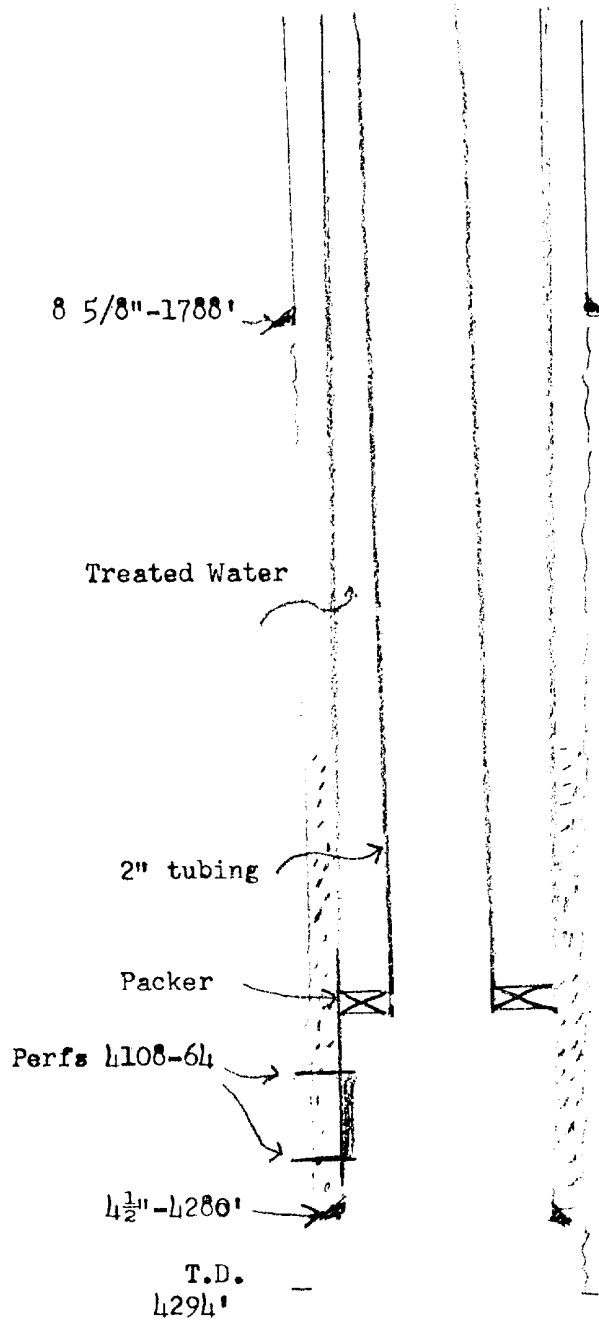
K. E. Saylor
DISTRICT SUPERVISOR

*See Instructions on Reverse Side

DIAGRAMMATIC SKETCH

PROPOSED SALT WATER DISPOSAL WELL- MOUNTAIN-FEDERAL NO. 1

ROOSEVELT COUNTY, NEW MEXICO



HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES
MIDLAND DIVISION
HOBBS, NEW MEXICO 88240

LABORATORY WATER ANALYSIS

No. W79-1042

To Wolfson Oil Company
3206 Republic National Bank Tower
Dallas, Texas 75201

Date 11-21-79

This report is the property of Halliburton Company 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 Company.

Submitted by _____ Date Rec. 11-20-79

Well No. Mountain Fed. #1 Depth _____ Formation San Andres

County _____ Field Tomahawk Source _____

Resistivity _____

Specific Gravity 1.150

pH 4.5

Calcium (Ca) 25,000 *MPL

Magnesium (Mg) 2,700

Chlorides (Cl) 137,000

Sulfates (SO₄) 450

Bicarbonates (HCO₃) Nil

Soluble Iron (Fe) 400

Remarks: _____ *Milligrams per liter

Respectfully submitted,

Analyst: Brewer

HALLIBURTON COMPANY

cc:

By W. L. Brewer
CHEMIST

NOTICE

THIS REPORT IS LIMITED TO THE DESCRIBED SAMPLE TESTED. ANY USER OF THIS REPORT AGREES THAT HALLIBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER IT BE TO ACT OR OMISSION, RESULTING FROM SUCH REPORT OR ITS USE.

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

OPERATOR WOLFSON OIL COMPANY		ADDRESS 3206 Republic Bank Tower, Dallas, Texas	
LEASE NAME MOUNTAIN-FEDERAL	WELL NO. 1	FIELD Tomahawk	COUNTY Roosevelt
LOCATION UNIT LETTER <u>G</u> ; WELL IS LOCATED <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>East</u> LINE, SECTION <u>30</u> TOWNSHIP <u>7-S</u> RANGE <u>32-E</u> NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING					
23#	8-5/8"	1788'	600	Surface	Circ. 45 sx
INTERMEDIATE					
None					
LONG STRING					
9.5#	4-1/2"	4280'	300	2512	Calculation
TUBING					
4.70# V-55	2"	4050'	NAME, MODEL AND DEPTH OF TUBING PACKER Guiberson KVL-30		

NAME OF PROPOSED INJECTION FORMATION San Andres		TOP OF FORMATION 4108'	BOTTOM OF FORMATION 4164'
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? 4108-64'	PROPOSED INTERVAL(S) OF INJECTION 4108-64'
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Oil		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 Est. 200'	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.) 250	MINIMUM 200	MAXIMUM 400	OPEN OR CLOSED TYPE SYSTEM closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? pressure	APPROX. PRESSURE (PSI) 250#
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 salt water	NATURAL WATER IN DISPOSAL ZONE salt water	ARE WATER ANALYSES ATTACHED? yes	

NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND)
Tom Tucker, Elida, New Mexico

LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL

Sundance Oil Company, 1776 Lincoln St., Denver, Colorado 80203

Flag-Redfern, Suite 1200 Wall Towers West, Midland, Texas 79701

Exxon Oil Company, Andrews, Texas

HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? Yes	SURFACE OWNER Yes	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)	PLAT OF AREA Yes	ELECTRICAL LOG Yes	DIAGRAMMATIC SKETCH OF WELL Yes

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

H. G. Freedman (Signature) Production Engineer (Title) June 13, 1980 (Date)

NOTE: Should waivers from 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.

Max Coll, Inc. 1/2M
Jallo J. Collier

Emma Jones, etal

Coquino
Emma
J/A 2207

Dillard Nuckols (S) Jones Robinson, Co

Florence
Evans, etal

Pet Corp.
Midwest-Fed.
TD 4350
DIA 1-27-70
U.S.

Flag-Redfern

8-12-80
8-11-80
9-8-80
9-24-80

24

Coquino
Emma
TD 4234
DIA 10-26-70

Moroilco
4-27-82
4-16-82

Ray Westfall
HBP
0392502

Mountain
Fuel Supply
8-1-85
18846

Rny
H
039

Sundance Oil
3-1-82
15019

Joe Wilcox 1/2
Jones Robinson, Co

20

Exxon
12-1-80
12693

U.S.

Dillard Nuckols (S)

U.S.

Abby Corp. E. West'n. Res. etal
Franklin, Aston, & Fair
8-9-80 7-23-80

Charley Paul

25

Exxon
8-1-82
15667

Abby Corp. E.
West'n. Res. etal

U.S.

Wolfson Oil
(Mountain Fuel Supply)
8-5-81
18846

Mountain Fed.
Dillard Nuckols,
2 (S)

Ray Westfall
HBP
0392502

Moroilco, Inc.
4-16-82

T. Schneider
Sams
TD 4346
DIA 5-15-66

29

Sundance Oil
3-1-82
15019

Langley-Fed.
1-1-83
17233

Sundance Oil

Moroilco
Nuckols
TD 4384
J. H. Nuckols, (S)

Sundance
Jerry Chambers
8-1-81
14154
Cone Fed U.S. Chambers-Fed

Chambers-Fed
Jerry Chambers
8-1-81
14154 U.S. Min.
T.E. Tucker (S)

Abby Corp. Union
E. West'n. Res. etal, L-5120
874

Holly Energy
1-1-85
LG-2464
20-31

Holly Energy, etal
85
LG-2464
20-31

Union
2-1-81
L-5120
874

36

Sundance Oil
15019

5 Mex. St.
Game Comm. SN
31

Moroilco
8-1-81

Sundance Oil
LG-3029
"State"

Galco
Shell Fed
TD 4300
DIA 10-3-67

U.S. Cone-Fed

D. J. Sorenson
2-1-83
LG-1032
535

Moroilco
4-27-87
4-20-87

State Mary Griffin, Mar

Franklin, etal)
Qual Disc.
Penn S.Mil.
Miss. St.

State

(Union)
(C. Loveless, Jr. & Assoc.)
0558018

Holly Energy

Union-Fed

Union
6-1-83
10503

Wilson Oil
HBP
0347394
Lactus Drig
Wilson Fed
TD 4186

6

Champlin
9-1-79
10280

WOLFSON OIL CO.
MOUNTAIN FEDERAL LEASE
ROOSEVELT COUNTY, NEW MEXICO

GALLINA