

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

OPERATOR Corinne Grace		ADDRESS Box 1418, Carlsbad, New Mexico	
LEASE NAME Salty Bill	WELL NO. 1	FIELD South Carlsbad	COUNTY Eddy
LOCATION UNIT LETTER C ; WELL IS LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 22-S RANGE 26-E NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13 3/8	364	500	Surface	Circulated
INTERMEDIATE					
LONG STRING Disposal	5 1/2	1800 (est)	300	500	Calculation
TUBING	2 1/16 2 1/16	1800 1500	NAME, MODEL AND DEPTH OF TUBING PACKER Baker, AR - 1, 1760'		
NAME OF PROPOSED INJECTION FORMATION Delaware			TOP OF FORMATION 1975 (Est)		BOTTOM OF FORMATION 2050 (Est)
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Open Hole	PROPOSED INTERVAL(S) OF INJECTION 1800' - 2050' (Est)		
IS THIS A NEW WELL DRILLED FOR DISPOSAL? yes	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED?				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 None					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 300 (Est)		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.) 500	MINIMUM 500	MAXIMUM 1000	OPEN OR CLOSED TYPE SYSTEM closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 200
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? no
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) City of Carlsbad, Carlsbad, New Mexico					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL					
Michael P. Grace		all oil & gas rights, Sec. 36, T-22-S, R-26-E			
Corinne Grace		all oil & gas rights, S 1/2 Sec. 25, T-22-S, R-26-E			
Delaware Apache		all oil & gas rights, Sec. 35, T-22-S, R-26-E			
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		SURFACE OWNER City of Carlsbad		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL attached	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)		PLAT OF AREA attached		ELECTRICAL LOG none anticipated	DIAGRAMMATIC SKETCH OF WELL attached

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

Corinne Grace
(Signature)

Operator
(Title)

May 11, 1971
(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.

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
K - 6290	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work		7. Unit Agreement Name	
2. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Brine Supply Well <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Salty Bill	
3. Name of Operator Corinne Grace		9. Well No. 1	
4. Address of Operator c/o Oil Reports & Gas Services, Inc. - Box 763 - Hobbs, New Mexico		10. Field and Pool, or Wildcat	
6. Location of Well UNIT LETTER <u>C</u> LOCATED <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>36</u> TWP. <u>22 S</u> RGE. <u>26 E</u> NMPM		12. County Eddy	
18. Proposed Depth 735		19A. Formation Salt	
20. Rotary or C.T.		Rotary	
21. Elevations (Show whether DF, RT, etc.)		21A. Kind & Status Plug. Bond Blanket	
21B. Drilling Contractor		22. Approx. Date Work will start 2/12/71	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2	13 3/8	54#	565	400	Circ.

To circulate fresh water thru tubing to obtain brine water for drilling purposes.

NOTE: Please cancel application for Brine Supply Well 2725.5' from East line and 660' from North line Section 36, T22S, R26E.

ILLEGIBLE

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED RE-ENTRY ZONE; GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Donna Hales Title Agent Date 2/10/71

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-123
Effective 1-1-65

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

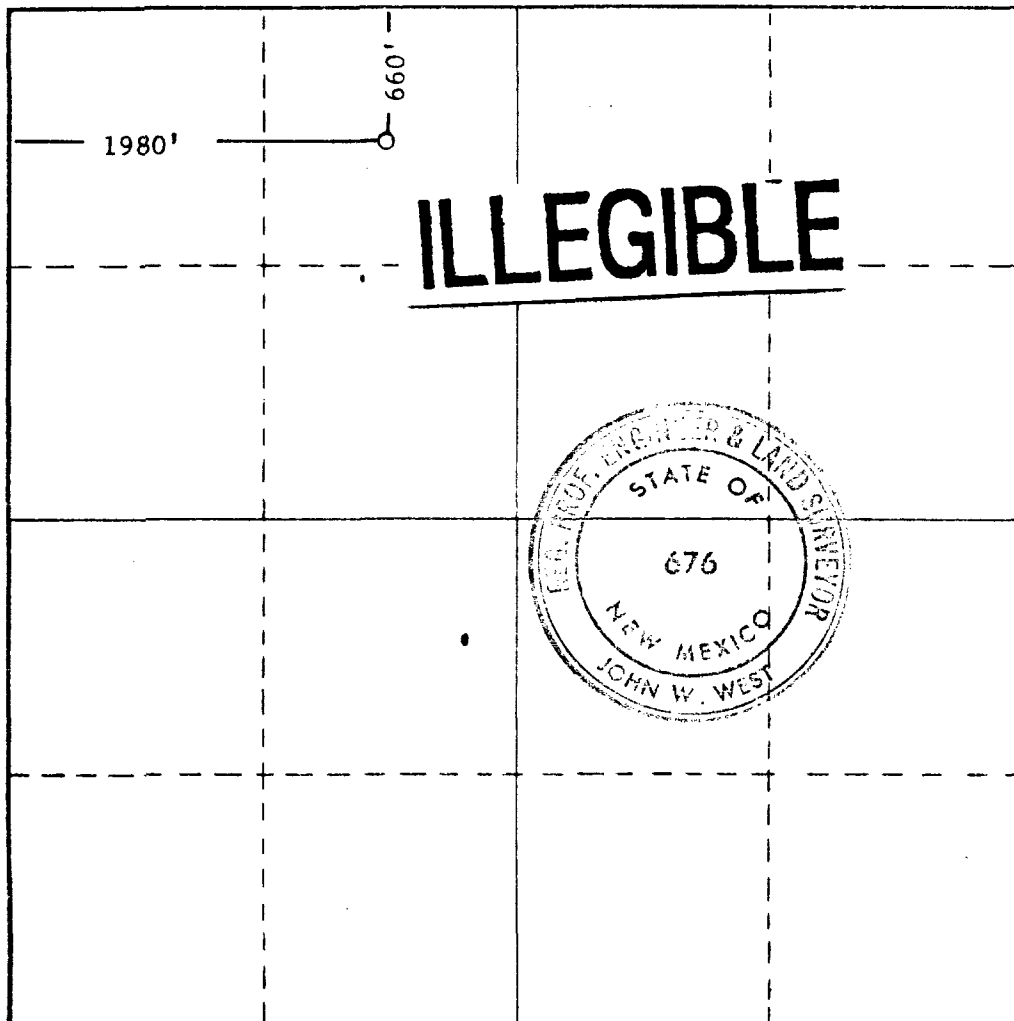
Operator Continental GRACE		Lease RAINE SOURCE Falty Bill		Well No. 1
Unit Letter C	Section 36	Township 22 SOUTH	Range 26 EAST	County EDDY
Actual Footage Location of Well: 660 feet from the NORTH line and 1980 feet from the WEST line				
Ground Level Elev.	Producing Formation 628	Pool	Dedicated Acreage: Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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 _____

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 Commission.



CERTIFICATION

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

Name Donna Rolles
 Position Agent
 Company Continental Grace
 Date 2/10/71

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.

Date Surveyed
2-1-1971
 Registered Professional Engineer
 and/or Land Surveyor

John W West
 Certificate No. **676**

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
R-0290

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Brine Supply Well	7. Unit Agreement Name
2. Name of Operator Corinne Grace	8. Farm or Lease Name Salty Hill
3. Address of Operator c/o Oil Reports & Gas Services, Inc., Box 703, Losha, New Mexico	9. Well No. 1
4. Location of Well UNIT LETTER C 660 FEET FROM THE North LINE AND 1970 FEET FROM THE West LINE, SECTION 26 TOWNSHIP 22 S RANGE 20 E NMPM.	10. Field and Pool, or Wildcat
15. Elevation (Show whether DF, RT, CR, etc.)	12. County Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Spudded 6:00 P M 2/12/71. Drilled to 716', encountered no salt. Cemented 13 3/4" 40' H-40 casing at 364' with 400 sacks Trinity Lite kate and 100 sacks Class 80 23 calcium chloride. Plug down 2:30 P M 2/22/71. Shut down pending study of possibilities of deepening.

Note: Verbal approval from Mr. W. A. Greenblatt to not approximately 350' casing rather than 365' as originally proposed and approved.

ILLEGIBLE

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

SIGNED Wonna Dolles TITLE Agent DATE 3/18/71

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

930

psi

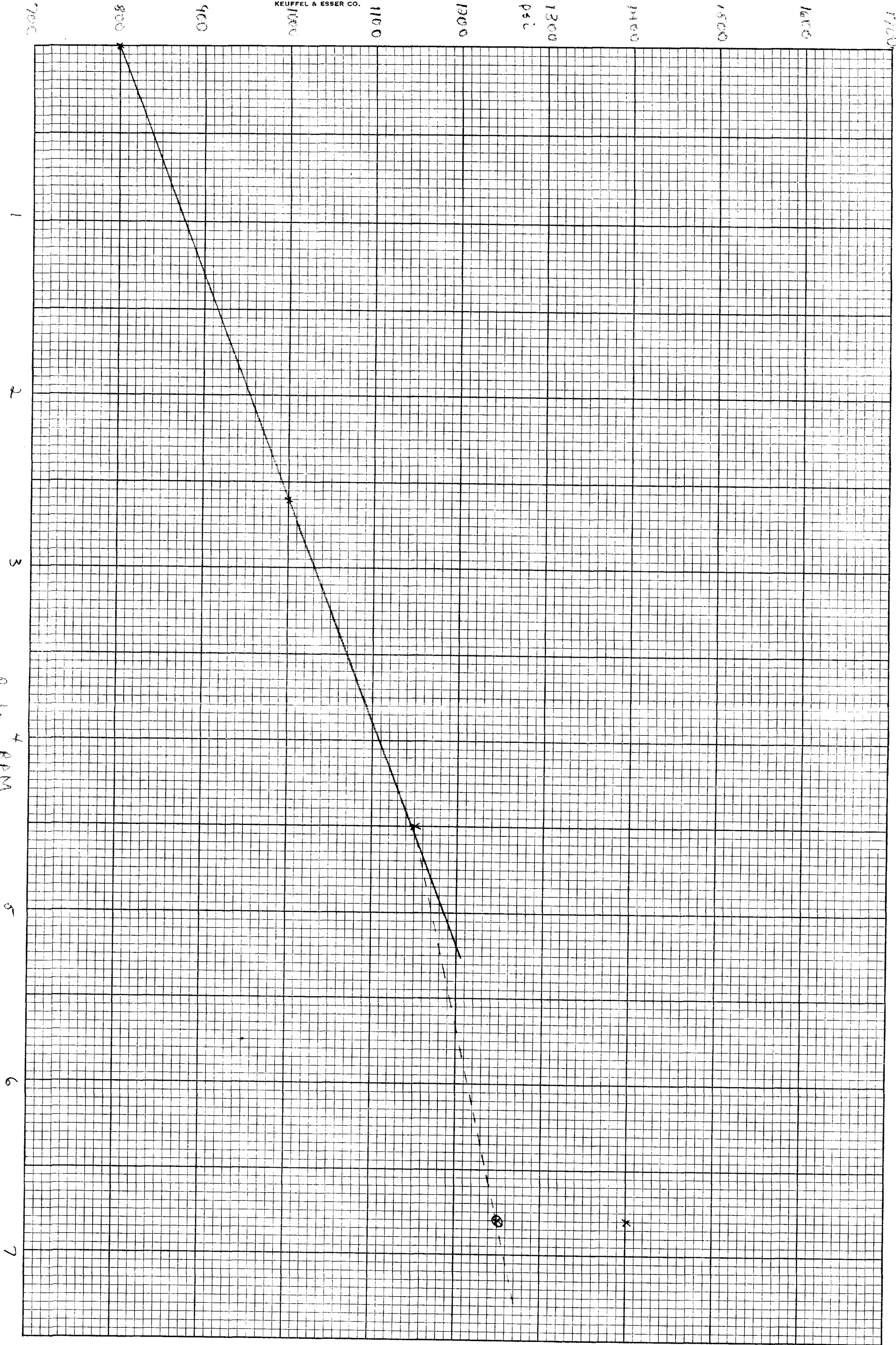
1300

1400

1500

1600

1700



Rate 4 BPM

[illegible]

Corinne Grace - Salty Bill #1 C-36-22-26

Approx 1 1/2 mile to Reef-

Bbls Wtr Disposed - Month - 1981

200/600#	Jan.:
140/160#	Feb. - Cumm = 1,302,815 Bbls.
0/0	March.
0/0	April.
0/0	May.
0/0	June.
0/0	July.
0/0	Aug.
0/0	Sept.
1,590/800#	Oct. Cumm = 1,304,405 Bbls.
	Nov.
	Dec.

13 3/8 - 48" H40 c 364' w/500 SX - Circ.

7 5/8 29.7" N-80 c 1,948' w/200 SX

TDe 2,208'

OH 1,948' - 2,208'

Injection Started March 1972

- (1) Pit (approx 60' x 60') Lined for emergency use only - no fence
- (2) Inj pump w/ gas engine idling run for a 24 hour period from noon 12/14/81 to noon 12/15/81 * injected 1128 Bbls w/c tbg press a little over 1000#
- (3) Corinne has 9 - 500 bbl tanks set + 1 210 Bbl tank set with a header system to receive the fluid. She is in the process of building skimming system.
- (4) In 197²⁻³⁻⁴~~0-2-3-4~~ Corinne said they were injecting approx 1600 bbls per day into the well + that was what she was planning on injecting today. (875-1000#)
- (5) She has presently notified Broom Transportation, B+E Trucking, + Rowland Trucking of her commercial well. B+E said they had no plans to use well, Roland said they would use well when their disposal well was down. no contact w/ Broom Transportation

month	Monthly Displ	Cumm Disp	Aug Press
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6/72		8,850	
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12/72	24,800 - daily 800 bbls	250,100	
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5/73	21,700	361,700	$\div 111,600 \div 5$ $\div 22,320$ monthly 975 #
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6/73	21,000	382,700	$\div 279,690 \div 12$ $\div 19,557$ monthly 975 #
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6/74	21,700 - daily 723 Bbls	617,390	975 #
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This is to certify that Delaware Apache is the operator of Section 35, Township 22 South, Range 26 East, Eddy County, New Mexico, which is located within one-half ($\frac{1}{2}$) mile of the location involved in the attached application by Corinne Grace to dispose of salt water by injection into a porous formation, and hereby certifies that it has no objection to the granting of the permit sought and waives all rights of protest.

The gas well involved is the City of Carlsbad #1 located in Section 25, Township 22 South, Range 26 East, Eddy County, New Mexico.


Area Manager

THE STATE OF: _____
COUNTY OF: _____

The foregoing instrument was acknowledged before me this _____ day of April, 1971 by _____.

Notary Public

My commission expires:

STATE OF TEXAS)
)
COUNTY OF MIDLAND)

The foregoing instrument was acknowledged before me this 23rd. day of April, 1971 by J. W. Manaugh, Area Exploration Manager of DELAWARE-APACHE CORPORATION a Delaware corporation on behalf of said corporation.

Bonnie J. Husband
Notary Public

My Commission Expires:

6-1-71

This is to certify that Corinne Grace is the operator of the South half ($\frac{1}{2}$) of Section 25, Township 22 South, Range 26 East, Eddy County, New Mexico, which is located within one-half ($\frac{1}{2}$) mile of the location involved in the attached application by Corinne Grace to dispose of salt water by injection into a porous formation, and hereby certifies that it has no objection to the granting of the permit sought and waives all rights of protest.

The gas well involved is the City of Carlsbad #1 located in Section 25, Township 22 South, Range 26 East, Eddy County, New Mexico.

Corinne Grace
Corinne Grace

STATE OF: New Mexico
COUNTY OF: Eddy

The foregoing instrument was acknowledged before me this 22nd day of April, 1971, by CORINNE GRACE.

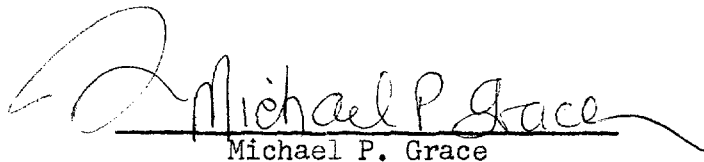
W. F. Nichols
Notary Public

My commission expires:

3/15/75

This is to certify that Michael P. Grace is the operator of Section 36, Township 22 South, Range 26 East, Eddy County, New Mexico, which is located within one-half ($\frac{1}{2}$) mile of the location involved in the attached application by Corinne Grace to dispose of salt water by injection into a porous formation, and hereby certifies that it has no objection to the granting of the permit sought and waives all rights of protest.

The gas well involved is the City of Carlsbad #1 located in Section 25, Township 22 South, Range 26 East, Eddy County, New Mexico.


Michael P. Grace

STATE OF: New Mexico
COUNTY OF: Eddy

The foregoing instrument was acknowledged before me this 23 day of April, 1971, by MICHAEL P. GRACE.


Notary Public

My commission expires:

3/15/75

This is to certify that the City of Carlsbad is the surface owner involved in the attached application by Corinne Grace to dispose of salt water by injection into a porous formation, and hereby certifies that it has no objections to the granting of the permit sought and waives all rights of protest.

The gas well involved is the City of Carlsbad #1 located in Section 25, Township 22 South, Range 26 East, Eddy County, New Mexico.

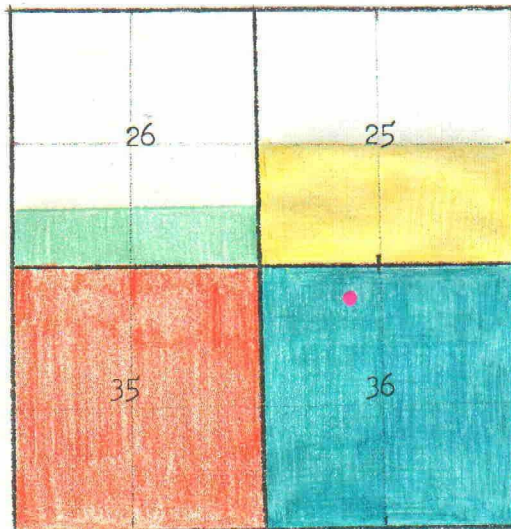
SEAL

Walter Terreck
Mayor

ATTEST:

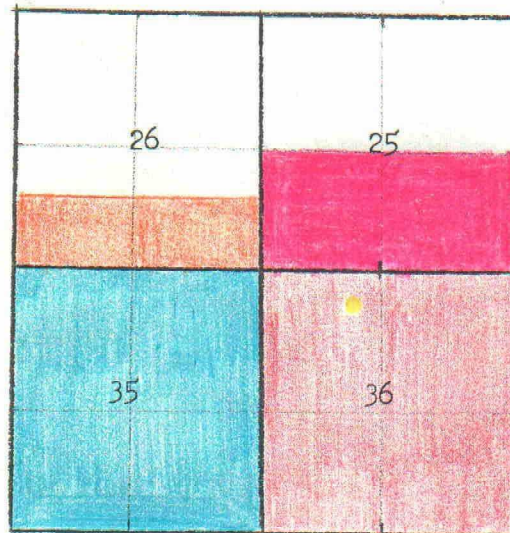
Claude H. G. G. G.
City Clerk

Sections 25, 26, 35 & 36
Township 22-S
Range 26-E

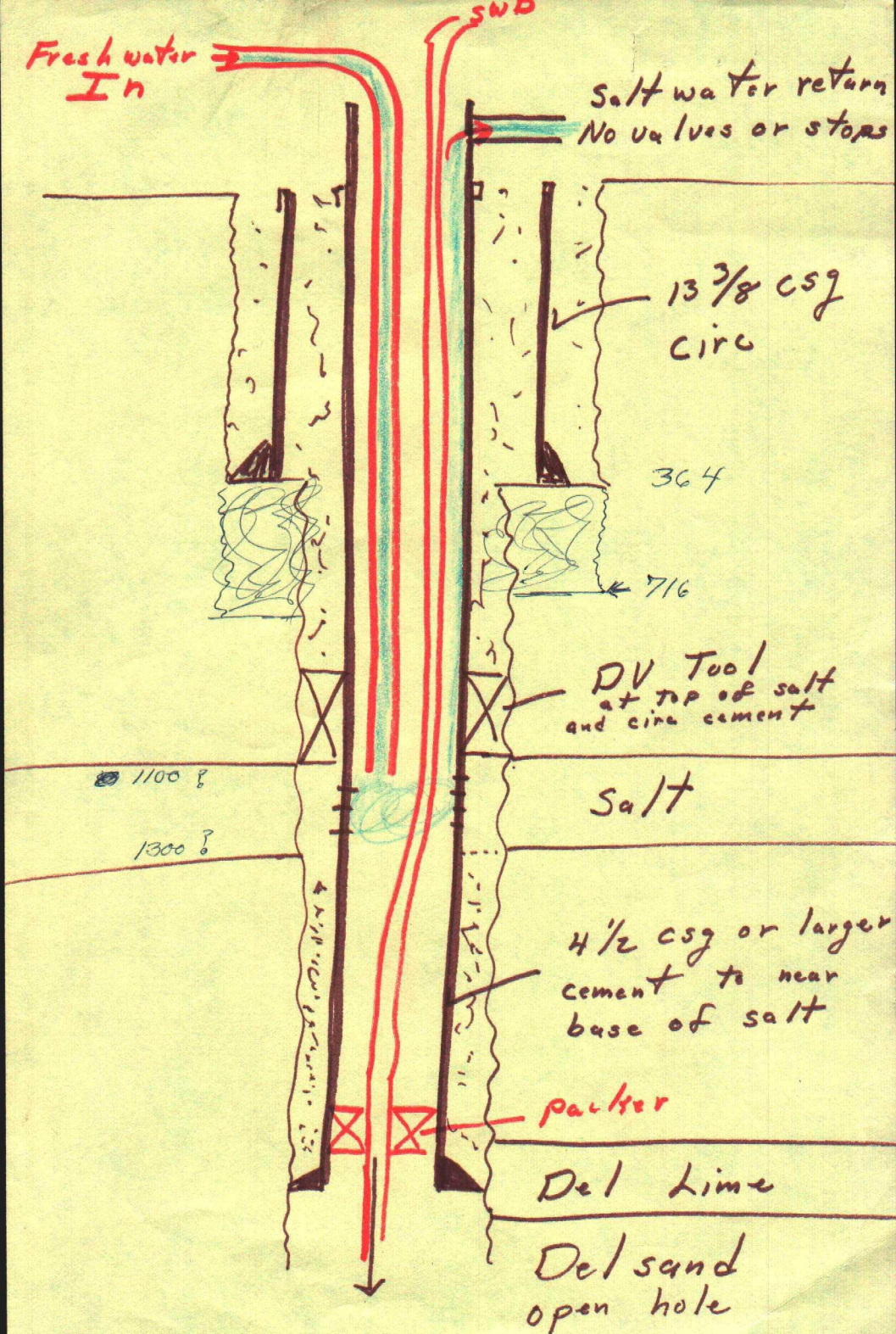


- M.P, Grace Operator
- Corinne Grace Operator
- Delaware-Apache Operator
- Federal lease, not under lease
- Disposal well

Sections 25, 26, 35 & 36
Township 22-S
Range 26-E



- M. P. Grace Operator
- Corinne Grace Operator
- Delaware-Apache Operator
- Federal Lease, not under lease
- Disposal well



LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE