LONSERVATION DIVISION

LONSERVATION DIVISION

LO CETTURE TO LE CAPATICATION

LO CETTURE TO LO CAPATICATION

LO C

Ki, Brono, fuet dield E, B. andersentesse hell no 2 Les C, MM. Les C, T-13-5-P-39-2-

The ME Conditions of the Mater has a least of the short o

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501

| (| Application qualifies for administrative approv | al? X yes no |
|------|---|--|
| 11. | ON OFFICE P. O. Box 360 Midland, Texas Address: | 79702 |
| | Contact party: Robert Setzler | Phone: (915) 563-4850 |
| 111. | Well data: Complete the data required on the reve proposed for injection. Additional sh | |
| IV. | Is this an expansion of an existing project? If yes, give the Division order number authorizing | yes X no the project |
| ٧. | Attach a map that identifies all wells and leases injection well with a one-half mile radius circle well. This circle identifies the well's area of r | drawn around each proposed injection |
| VI. | Attach a tabulation of data on all wells of public penetrate the proposed injection zone. Such data well's type, construction, date drilled, location, a schematic of any plugged well illustrating all p | shall include a description of each depth, record of completion, and |
| VII. | Attach data on the proposed operation, including: | |
| | Proposed average and maximum daily rate an Whether the system is open or closed; Proposed average and maximum injection pre Sources and an appropriate analysis of inj the receiving formation if other than re If injection is for disposal purposes into at or within one mile of the proposed we the disposal zone formation water (may b literature, studies, nearby wells, etc.) | ssure; ection fluid and compatibility with injected produced water; and a zone not productive of oil or gas ll, attach a chemical analysis of e measured or inferred from existing |
| III. | Attach appropriate geological data on the injection detail, geological name, thickness, and depth. Gibottom of all underground sources of drinking wate total dissolved solids concentrations of 10,000 mg injection zone as well as any such source known to injection interval. | ve the geologic name, and depth to r (aquifers containing waters with /1 or less) overlying the proposed |
| IX. | Describe the proposed stimulation program, if any. | |
| х. | Attach appropriate logging and test data on the we with the Division they need not be resubmitted.) | ll. (If well logs have been filed |
| XI. | Attach a chemical analysis of fresh water from two available and producing) within one mile of any inlocation of wells and dates samples were taken. | |
| XII. | Applicants for disposal wells must make an affirmatexamined available geologic and engineering data at or any other hydrologic connection between the disposurce of drinking water. | nd find no evidence of open faults |
| 111. | Applicants must complete the "Proof of Notice" sec | tion on the reverse side of this form |
| KIV. | Certification Steer Rossler & | lini |
| | I hereby certify that the information submitted witto the best of my knowledge and belief. | th this application is true and corre |
| | | Title Division Engineer |
| | Signature: | Date: 6.18.87 |

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 footace 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 he 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 publicat on 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 sincle 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.

AFFIDAVIT OF PUBLICATION

| State | of | Nev | v M | lexic | 0 |
|-------|----|------|-----|-------|---|
| Count | у | of L | ea. | | |

| 1, |
|---|
| Delegate I Cummong |
| Robert L. Summers 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 |
| thereof for a period |
| of |
| One , |
| Beginning with the issue dated |
| |
| June 29 , 19 87 |
| and ending with the issue dated |
| June 29 , 19 87 |
| 7.77.17 m |
| Publisher. |
| Sworn and subscribed to before |
| 30 |
| me this 30 day of |
| June , 1987 |
| Dera Murphy Notary Public. |
| Notary Public. |
| ivotary rubite. |
| My Commission expires |
| Mod. 14, 1988 |
| (Seal) |
| (DCar) |

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.

June 29, 1987
Notice is hereby given of the application of MGF Oil Corp., Attn: R.G. Setzler, Division Engineer, P.O. Box 360, Midland, Texas, 79702, Telephone (915) 563-4850, to the Oil Conservation Division, New pnone (915) 563-4850, to the Oil Conservation Division, New Mexico Energy & Minerals Department, for approval of the following injection well for the purpose of salt water disposal. posal:

Lease Name: E.B. Anderson

No. 2
Location: 990' FSL & 990'
FWL, Section 6, T-13-S, R-38-E,
Lea County, New Mexico
The injection formations are
Devonian and Wolfcamp at a

Devonian and Wolfcamp at a depth of 9563 feet below the surface of the ground. Expected maximum injection rate is 1100 barrels nor day Expected maximum injection rate is 1100 barrels per day, and expected maximum pressure is unknown at this time. Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico, 87501, within fifteen (15) days of this publication. publication.



MAILING ADDRESS:
P.O. Box 360 • Midland, Texas 79702-0360
June 18, 1987

CORPORATE HEADQUARTERS: Seventh Floor • Vaughn Building TELEPHONE: 915 / 685-9700

American Trading and Production Corporation The Atrium Center 110 West Louisiana, Suite 300 Midland, Texas 79701

Kirby Exploration Company, Inc. P. O. Box 1745
Houston, Texas 77251

Mr. Jimmie F. Wheeler Rt. 1, Box 282 Lovington, New Mexico 88260

Re: Bronco, West (Devonian & Wolfcamp) Field
E. B. Anderson Lease
Well No. 2
Lea County, New Mexico
Sec. 6, T-13-S, R-38-E

Gentlemen:

MGF Oil Corporation is submitting to the Oil Conservation Commission, . State of New Mexico, an application to convert the above referenced well to a salt water disposal well.

Each of the offset operators and the surface owners of the above lease are being furnished with a copy of this application. Enclosed is your copy.

Should any questions arise, please contact the undersigned at (915) 563-4850.

Yours very truly,

MGF OIL CORPORATION

Robert G. Setzler Division Engineer

RGS/MB/vc Enclosure

| 1 | 1987 / | | The same of the sa |
|---------------------------|---|---------|--|
| PS Fu | SENDER condicted cms 1 2 and 3 Add your address in the RE everse | TURN | TO space on |
| 3811 | 1. The following service is requested (c | | |
| 197 | Show to whom, date, and address | cf del | very¢ |
| RETURN | Show to whom and date delivered RESTRICTED DELIVERY Show to whom, date, and address (CONSULT POSTMASTER FOR F | of deli | • |
| RECEIPT | 2. ARTICLE ADDRESSED TO: American Trading & Prod 110 W. Louisiana, Suite Midland, TX 79702 3. ARTICLE DESCRIPTION REGISTERED NO. CERTIFIED NO. P397465818 | 300 |) |
| TER | (Always obtain signature of addres | see o | agent) |
| REGISTERED, INSURED AND O | I have received the article described ab SIGNATURE Addressee |) Auth | orized agent |
| CERTIFIED | 5. ADDREŠS(Complete only if requested; 6. UNABLE TO DELIVER BECAUSE: | | CLERK'S INITIALS |
| MAI | | | |

| -7 | • | ۱ سمجر ، |
|--------------------------|---|---------------------|
| PS Form | Add your address in the RETURN T reverse | O" space on |
| 3811, Apr. 1977 RETURN | The following service is requested (check of Show to whom and date delivered | very.\$ |
| PT, REGISTE | P. O. Box 1745 P. O. Box 1745 Houston, TX 77251 ARTICLE DESCRIPTION REGISTERED NO CERTIFIED NO INS P397465819 (Always obtain signature of addressee or | SURED NO: |
| RED, INSURED AND CE | I have received the article described above. SIGNATURE - Addressee - Auth | orized agent |
| CERTIFIED | 6. UNABLE TO DELIVER BECAUSE: | CLERK'S INITIALS |

☆GPO 1977-0-249-595

| T vs | SENDER, Complete items 1, 2, and 3 | | | | | | | |
|--|--|--------------|--|--|--|--|--|--|
| S.Form | reverse | on | | | | | | |
| 3811 | | | | | | | | |
| _= | 1. The following service is requested (check one) | | | | | | | |
| ·δ | Show to whom and date delivered | Ċ | | | | | | |
| 1977 | Show to whom, date, and address of delivery | ¢ | | | | | | |
| 77 | RESTRICTED DELIVERY | * | | | | | | |
| À, | Show to whom and date delivered | ¢ | | | | | | |
| ومحتشق | CL RESTRICTED DELIVERY | | | | | | | |
| , XX | Show to whom, date, and address of delivery .\$ | | | | | | | |
| | (CONSULT POSTMASTER FOR FEES) | | | | | | | |
| R | the control of the co | | | | | | | |
| | 2. ARTICLE ADDRESSED TO: | | | | | | | |
| ⋾₩ | Mr. Jimmie F. Wheeler | 4.4 | | | | | | |
| ECEIPT, | Rt. 1, Box 282 | | | | | | | |
| === | Lovington, NM 88260 | i | | | | | | |
| | | - | | | | | | |
| | | | | | | | | |
| Ö | I I I I I I I I I I I I I I I I I I I | . | | | | | | |
| | | | | | | | | |
| ST | P397465820 | ı | | | | | | |
| STE | | _ | | | | | | |
| STERE | (Always obtain signature of addressee or agent) | | | | | | | |
| STERED, | (Always obtain signature of addressee or agent) I have received the article described above. | | | | | | | |
| STERED, IN | (Always obtain signature of addressee or agent) | _ _ it | | | | | | |
| STERED, INSU | (Always obtain signature of addressee or agent) I have received the article described above. | ıt. | | | | | | |
| STERED, INSUR | (Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE | ıt | | | | | | |
| STERED, INSURED | (Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE | ıt | | | | | | |
| STERED, INSURED A | (Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE | ıt. | | | | | | |
| STERED, INSURED ANI | (Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE | - t | | | | | | |
| STERED, INSURED AND C | (Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE Addressee Authorized agent A DATE OF DELIVERY (Always obtain signature of addressee or agent) A DATE OF DELIVERY | t. | | | | | | |
| STERED, INSURED AND CEI | (Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE | - t | | | | | | |
| STERED, INSURED AND CERT | (Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE Addressee Authorized agent A DATE OF DELIVERY (Always obtain signature of addressee or agent) A DATE OF DELIVERY | it. | | | | | | |
| STERED, INSURED AND CERTIFI | (Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE Addressee Authorized agent A DATE OF DELIVERY (Always obtain signature of addressee or agent) A DATE OF DELIVERY | t | | | | | | |
| STERED, INSURED AND CERTIFIED | (Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE Addressee Authorized agent A DATE OF DELIVERY 5. ADDRESS(Complete only it requested) A DATE OF DELIVERY | t | | | | | | |
| STERED, INSURED AND CERTIFIED N | (Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE Addressee Authorized agent 4. DATE OF DELIVERY 5. ADDRESS(Complete only it requested) 6. UNABLE TO DELIVER BECAUSE: CLERK'S | t | | | | | | |
| STERED, INSURED AND CERTIFIED MA | (Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE Addressee Authorized agent A DATE OF DELIVERY 5. ADDRESS(Complete only it requested) A DATE OF DELIVERY | t | | | | | | |
| REGISTERED, INSURED AND CERTIFIED MAIL | (Always obtain signature of addressee or agent) I have received the article described above. SIGNATURE Addressee Authorized agent 4. DATE OF DELIVERY 5. ADDRESS(Complete only it requested) 6. UNABLE TO DELIVER BECAUSE: CLERK'S | t | | | | | | |

| tol F | onnye G. Rod- cliff etal, MI Min. Divided R.F. Nenard, etal,(S) | Kelsey Prešley etal, Ml Dean E. Kenneth Kinsolving (5) | H. Votes J. 25-85 L. M. Green Mins. Menhem Kinsolving | otal law mant Ci Serv Solor Oll Serv Service S | G T Mell MI Hockpam Redfern TO 12:220- "Morkhom Redfern" | V-410 256 11 Sarah Burrus/k R.J.Field/Yz State |
|-------------------------------------|--|--|---|--|--|--|
| 2 | HE Yales MAP To the Map HE Yales MAP Leona E. Mark Mary H.E. Yates H.E. Yates H.E. Yates H.E. Yates Kelsey Presley etal, MI Dean E. Kenneth Kinsolving (S) | H.E. Yates 6 - 17 - 86 Keisey Presky ley etal, Mi H.E. Yates 4 - 7 - 95 Lead Pet. 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - | H.E. Yates B · 26 · 85 Jeans J. William J. St. M. J. M. | Coverpage (Colder) (Included) Asset Leep (Merchands) Asset | A (Comble 12 7 02 12 7 02 12 7 02 13 7 02 14 7 02 15 10 10 17 10 10 10 17 10 10 10 17 10 10 10 17 10 10 10 17 10 10 10 17 10 10 10 | Rob + K Field LS+ Texaca 18-1-19 Texaca 19-1-19 Texaca 19-1-19 Texaca 10-1-19 Texaca Texac |
| va M.I. in, eral t. | HE Yqtes Ladder Shell Selman Selman District S | C.B. Markham etal, M.L. Lamber of the kinsolving Cattle Co. M. L. Lamber of the kinsolving Cattle Co. M. Lamber of the kinsolving Cattle Co. Lamber of the kinsolving Cattle C | Amoco in American In American American In | Sine BIK OII (2-A) | Preo Elk Oil Disimerich (J.M. Kelly, stell Yz) Ch.M. To 12018 Privesor | (West'n Reserves) DH Hunterol Ma State 1- 5295 Rob'l Field Est. (3) West'n Reserves wearinges 10-25-84 Final Rich 10 730 21 Was 14 84 |
| 9 1750 2.74 DMI 109 (S) | Montgomery T L Ingram Selmon Totales Totales DIA-16 73 Degn E, Kenneth Kinsolving | Shell Amore Mingere Taylor Deoric Kyweth O K. Kinsolving | MGS D/A 7-18-51 Armoce 13 | Pan hmer. AR.Co.M.I. C.D. Houston | C.D. H.H. Field, M.I. Sorah Burrus, Ya Houston R.J. Field, Ye | Megan & R.J. Field, stal. M.J. State Robert K. Field. Est., (5) |
| ox . | GLADIOLA Hilliord OLG 17 29-05 11 9:00 to 70:00 Croig Croig To 19:565 To 19:565 To 19:565 To 19:565 | Florence Moss 1/2 Florence Moss 1/2 IX McColm 12 12 67 12 67 17 17 17 17 17 17 17 | Tourse Assoc | Morother Inv. Co. M.I. J. Holvey Ener 5 1 - 91 LH 1995 | T.J. Fisher. MI Sarah Burrus, ½ R.J. Field, ½ | Mollie B. Fisher, etcl T.L. Ingram 10: 28 T J.M. Alcorn Any S. Berren, M.I. Tables 28 Berren, M.I. |
| 1/1/ | T.L. (Der Diet Neuerogenben Lington Ingram PAON (TITLE TO THE TO | Skelly Mose pan. 26 J. K. McColm Foster Peck. 12 12 87 12 13 88 Moss Pet. 12 12 80 12 12 80 12 12 80 12 12 80 12 12 80 12 12 80 12 12 80 13 16 16 16 16 16 16 16 16 16 16 16 16 16 | HalveyEner | Palvey Ener 2 1927 2 mi. | VEVEYON IN A CONTROL OF THE PROPERTY OF THE PR | 7 8-16-77 B-8-77 10 274-0 1 3-72 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| er . | Moraugh | (Petro Grande) O T.Lingram Penn awth Disc. TDIESE Dual DAL-18-55 (Chellonger Chellonger Chellonger Chellonger | Sa. Union Supply | Tennece | Moguire Oil etal . 58.75% West in Reserve 5 10.84 6 · 5 · 84 | to discontinuo di continuo di |
| 011, | B.M.ELK.Lowe Recting: CharterRes 4 for mean and a formation of the second of the seco | Corrigination of the control of the corrigination of the correct of the cor | Undergot | E.F. Kornagoy, midi, M.I. Alvin Brecken, S | Selma Koch, Hodgel E.H. | Annie R. Smith, E.H. Hadre B. J. Fleet B. M.L. E. Hoodge et al. Annie R. Smith, B. H. Adre B. J. Fleet II. M.J. B. J. J. Fleet II. M.J. |
| Make . | Brody M. Lower and E. K. Lowe 41 ** 44 ** 14 ** | Loweld Co Wader Transped Wile Hards Wile Hards Goffine Burlett Lovelody 10 0 3 3 4 4 10 0 4 3 4 5 1 10 0 4 5 1 1 10 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Stole Stole Stole Chaig the Stooging the Stooging the Annual or Annual or F. J. Donglode, P. M. 1994 | (Koisee Francis) Kyby Eypi. Oka Maria Jordan Marwell Oka Maria Jordan Marwell Oka Maria Jordan Marwell | BANNE BOOK SON DOOR | Threshold Dev Jase A Jase A Threshold Dev Jan J. John M.L. M.D. Frien |
| is as | Love Lord Speight Spei | Yates Fet, etal III 152 Lividso 768 | Craig, the Cit See 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MGF MGF MGF MGF MGP MC Single State of Market A Mysight and Market | Phyllis McConnell, Tr. Pebecca Marcia | Estella Mark Fields, MI |
| n. 14 | Alice Minimire Tri-Serv. 52.87 Guis 191 6-350 Ethnide Mears pol. 42 M BBZ Meryf Hydt | Cities Serv. 2 15 17 7 24 47 Tennaco Mary F Hyoff 15 | Gulf Forest Forest O'Alia-1-11 Sports Ad. I. | 3 18 57796 Page | POIOLA-SO. | EchoProd., inc. 11 728 - 86 12 8 8 11 8 11 8 11 8 11 8 11 8 11 8 1 |
| tal, MI | Stote, M. J. 6337 Walter Mary F. Hyatt (S) | Cal Mongto 2: 09 LG 5125 State M.I. 73 58 State M.I. 64 S | Taylor Kinsolving | They Lowe To They Sait Ca. They said Ca. They Sait Ca. They Sai | D.L. R.Brice, M.L. R.P. R.M. Kendrick stell N. Lowe, S.) Irby O. Harris Vila | 7 |
| Strekod | Aller Millmire, M. L. M. | Toylor | Toylor Kinsolving Costle Co. 42 | Ohio etel W Newkumet 10 127 28 21 88 (50) 24 91 3 1 88 (50) W Newkumet 24 1 3 | and Need | Frentie H. Horris, 3 |
| 13 | 37 15 State | 70 83 | Store Torking (5) | DHP Not 18 V Newkurry (17 De Lowe tours Lev etal, MI Cou S Lorre Valle June Whit mir. | 10 30 65 11 25 91 10 20 65 11 25 91 10 20 66 10 | Interior Williams Williams Mike November |
| G K | J.K.McKolm 4·20·87 Kelly McColm 3·1·89 v·997 131 ₹5 | L.C.Williamson II - 1 - 96 66931 J.R.Schrup 12 1 - 52 84011 | Yates Pert, et al V New years A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | iche fred Name and ble why met Phillip | Dovid Politics I Covid | |
| | 22 Sun NewMex-S | 23 | | | Phillips Fredrices | ds, Williams J. N. Galey 7-1-55 TO 17.582 55985 |

FORM C-108 ATTACHMENT APPLICATION FOR AUTHORIZATION TO INJECT

- I. See Form C-108
- II. See Form C-108

III. A. 1) Lease Name: E. B. Anderson

Well No.: 2

Location: 990' FSL & 990' FWL, Sec. 6

T-13-S, R-38-E, Lea County, New Mexico

2) Casing & Cementing Information:

| | | Cmt. | Hole | Cmt. | Determined |
|---------|--------------|---------|---------|---------------|------------|
| Size | Depth | Amount | Size | Top | Ву |
| | | | | | |
| 12 3/4" | 372 ' | 400 sx. | 17 1/2" | Surface | |
| 8 5/8" | 4,505' | 400 sx. | 11" | 2660' | Calc. |
| 5 1/2" | 12,221' | 950 sx. | 7 7/8" | 6800 ' | Calc. |

3) Tubing Specifications:

Diameter: 2 7/8"

Lining Material: Fiberglass

Setting Depth: 9463'

- 4) Packer Specifications: Baker Lok. Set
- B. 1) Injection Formations: Wolfcamp & Devonian Field: Bronco West
 - 2) Injection Intervals:

9563-9686' Perforated w/ll holes. 12,221-12,280' Openhole interval.

- 3) Original Drilling Intention: Development Oil Well
- 4) Other Perforated Intervals: None
- 5) Depth to Nearest Oil & Gas Interval:

Lower: None Upper: None

- IV. See Form C-108
- V. See attached map.

Other wells within area of review:

1exas

. = @376' w/510 sx.

8-5/8" @4,550' w/425 sx.

5-1/2" @12,223' w/1200 sx.

7/7/65

6,T13s, R38E

FNL & 1980' Operator: Kirby Exploration Company of Texas Well: Maxwell No. 1 Type: Discovery Oil

Construction: 11-3/4" @376' w/510 sx.

Date Drilled: 7/7/65

Location: Sec. 6,Tl3S, R38E 1980' FNL & 1980' FWL

Depth: 12,235'

Record of Completion: 9/15/65 DST 9660'-88' op 90 mins, rec. 600' gas in DP, 100' HO&GCM & 200' sli O&GCM, ISIP 2070#/30 mins, FP267-267#, FSIP 1382#/30 mins, A/150 gals, C/Ard Drlg. Co.

B. Operator: MGF Oil Corporation Well: E. B. Anderson No. 1

> Oil Well Type:

Construction: 12-3/4" @390' w/400 sx. 8-5/8" @4,505' w/400 sx. 0

5-1/2" @12,182' w/900 sx.

Date Drilled: 11/21/67

Location: Sec. 6,Tl3S, R38E

2310' FSL & 990' FWL

Depth: 12,197'

Record of Completion: 9626'-70, 15 min pre-flow, good blo, tool op 45 mins, rec. 1664' fluid (30' GCM, 184' VHO & GCM), rev out 1226' fluid (350' VHO & GCM), 826' free oil & 90' wtr, rec. 184' water below sub, ISIP 1585#/1 Hr, FP 1527-1667#, FSIP 1616#/2 hrs, DST 11,205-11,240' op 1 hr, wek blo, ISIP 4248#/1 hr, FP 988-889#, FSIP 4269#/2 Hrs, DST 12,083-197', op 3 hrs, GTS 1-1/2 hrs, rec 45 BO, 23.5 BW, ISIP 4297#/45 mins, FP 1161-2237#, FSIP 4297/1 hr, OH 12,182-12,198', A/500 gals, F/33-1/2 BO/1 Hr., 1/2" ch, Grav 42, TP 300#.

C. Operator: MGF Oil Corporation Well: E. B. Anderson No. 3

> Type: Oil Well

Construction: 12-3/4" @414' w/420 sx. 9-3/8" @4550' w/1400 sx.

5-1/2" @12,170' w/1900 sx.

Date Drilled: 1/29/87

Location: Sec. 6, T13S, R38E

330' FSL & 330' FWL

12,210' Depth:

Record of Completion: OH from 12,170'-12,210'. Acidized w/3500 gals. Completed 2/5/87 IP 442 BOPD, GOR 362, Grav. 44.3, Chk 13/64", 565# FTP

VI. Other wells within area of review:

A. Operator: Kirby Exploration Company of Texas

Well: Maxwell No. 1
Type: Discovery Oil

Construction: 11-3/4" @376' w/510 sx.

8-5/8" @4,550' w/425 sx. 5-1/2" @12,223' w/1200 sx.

Date Drilled: 7/7/65

Location: Sec. 6,T13S, R38E 1980' FNL & 1980' FWL

Depth: 12,235'

Record of Completion: 9/15/65 DST 9660'-88' op 90 mins, rec. 600' gas in DP, 100' HO&GCM & 200' sli O&GCM, ISIP 2070#/30 mins, FP267-267#, FSIP 1382#/30 mins, A/150 gals, C/Ard Drlg. Co.

B. Operator: MGF Oil CorporationWell: E. B. Anderson No. 1

Type: Oil Well

Construction: 12-3/4" @390' w/400 sx.

8-5/8" @4,505' w/400 sx. 5-1/2" @12,182' w/900 sx.

Date Drilled: 11/21/67
Location: Sec. 6,Tl3S, R38E
2310' FSL & 990' FWL

Depth: 12,197'

Record of Completion: 9626'-70, 15 min pre-flow, good blo, tool op 45 mins, rec. 1664' fluid (30' GCM, 184' VHO & GCM), rev out 1226' fluid (350' VHO & GCM), 826' free oil & 90' wtr, rec. 184' water below sub, ISIP 1585#/1 Hr, FP 1527-1667#, FSIP 1616#/2 hrs, DST 11,205-11,240' op 1 hr, wek blo, ISIP 4248#/1 hr, FP 988-889#, FSIP 4269#/2 Hrs, DST 12,083-197', op 3 hrs, GTS 1-1/2 hrs, rec 45 BO, 23.5 BW, ISIP 4297#/45 mins, FP 1161-2237#, FSIP 4297/1 hr, OH 12,182-12,198', A/500 gals, F/33-1/2 BO/1 Hr., 1/2" ch, Grav 42, TP 300#.

C. Operator: MGF Oil Corporation
 Well: E. B. Anderson No. 3

Type: Oil Well

Construction: 12-3/4" @414' w/420 sx.

9-3/8" @4550' w/1400 sx.

5-1/2" @12,170' w/1900 sx.

Date Drilled: 1/29/87

Location: Sec. 6, T13S, R38E

330' FSL & 330' FWL

Depth: 12,210'

Record of Completion: OH from 12,170'-12,210'. Acidized w/3500 gals. Completed 2/5/87 IP 442 BOPD, GOR 362, Grav. 44.3, Chk 13/64", 565# FTP

c e by ok

1891 cole

100 @ 3157 cire.

D. Operator: Ashmund & Hilliard

Well: G. A. Whitmire

Type: D&A

Construction: 11-3/4" @383' w/525 sx.

8-5/8" @4,565' w/500 sx.

Date Drilled: 1/25/66

Location: Sec. 6, Tl3S, R38E

2110' FSL & 2110' FEL

11,726' Depth: Attached schematic

E. Operator: Solar Oil Well: Rulon No. 1

> Type: D&A

Construction: 11-3/4" @390' w/

8-5/8" @4,502' w/400 sx. 5-1/2" @12,288' w/=> sx.

Date Drilled: 11/21/68

Location: Sec. 1, T13S, R37E

2310' FSL & 330' FEL

Depth: 12,288' Attached schematic

F. Operator: Cosden Petroleum

Well: Maxwell No. 1

Type: D&A

Construction: 13-3/8" @405' w/450 sx.

8-5/8" @4,612' w/2000 sx.

5-1/2" @11,710' w/325 sx.

Date Drilled: 4/22/59

Location: Sec. 6, T13S, R38E

660' FNL & 660' FWL

Depth: 12,346 Attached schematic

G. Operator: Sunray DX Oil Co.

Well: O. E. Fulton No. 1

D&A Type:

Construction: 13-3/8" @337' w/350 sx.

9-5/8" @4,559' w/3272 sx.

5-1/2" @10,048' w/250 sx.

Date Drilled: 11/25/64

Location: Sec. 6,Tl3S, R38E

660' FSL & 1977' FWL

Depth: 12,320' Attached schematic

H. Operator: American Trading & Prod. Corp.

Well: Lowe Federal No. 1

Type: Oil Well

Construction: 13 3/8" @415' w/425 sx.

8 5/8" @4550' w/2400 sx. 5 1/2" @12,500' w/1200 sx.

Date Drilled: 4-23-86

Location: Sec. 7, T-13-S, R-38-E 330' FNL & 330' FWL

Record of Completion: PBTD 12,275'. Perf. 12,190'-12,210'.

Acidized w/300 gals. Completed 4-23-86

IP 816 BO, 144 BW in 24 hrs.

GOR 500, Grav 43, Chk. 32/64", FTP 250#

I. Operator: American Trading & Prod. Corp.

Well: Lowe Coy No. 1

Type: Oil Well

Construction: 13 3/8" @382' w/400 sx.

8 5/8" @4550' w/2080 sx. 5 1/2" @12,412' w/1000 sx.

Date Drilled: 8-2-86

Location: Sec. 7, T-13-S, R-38-E

1650' FNL & 500' FWL

Record of Completion: PBTD 9865'. Perf'd Wolfcamp @9,700'-9,706'.

Acidized w/400 gals. Comp. 10/2/86

IP 10 BO, 60 BW in 24 hrs.

GOR TSTM, Grav. 43.

J. Operator: Kirby Exploration Company of Texas

Well: Maxwell No. 1

Type: Salt Water Disposal Well

Construction: 13 3/8" @379'w/3755 sx.

8 5/8" @4526' w/600 sx.

5 12/" @12,236' w/275 sx.

Date Drilled: 3-28-69

Location:

Sec. 6, T-13-S, R-38-E

2310' FNL & 990' FWL

Record of Completion: OH from 12,236'-12,244'

Acidized w/500 gals. Comp. date 5-16-69

IP 1202 BO in 24 hrs.

GOR 651, Grav. 45, Chk 3/4"

500# FTP, Application for SWD conversion approved 5/87. Kirby has reapplied for permission to inject in both

the Wolfcamp & Devonian formations. Application

pending.

Jr Or

<u>\</u>\

TOC 90

VII. Injection Information:

- 1) Daily Average: 1100 Bbls/Day
 - Daily Maximum: Unknown at this time.
- 2) System is open.
- 3) Proposed pressures:

Average: Unknown at this time. Maximum: Unknown at this time.

- 4) Plans are to inject water from the same (Devonian) formation.
- 5) Disposal zone is productive of oil & gas.

VIII. Geological Information:

Devonian:

Lithology: Dolomite

Top: 12,227'

Thickness 12,227' to 12,285' (TD)

Wolfcamp:

Lithology: Lime

Top: 9,236'

Thickness: 9,236-9778'

Fresh Water Sands @ 120'-150' No underlying fresh water.

IX. Stimulation:

Proposed stimulate w/ 15,000 gals. 15% HCL

XII. Logs & Tests:

DST #1: 9905' to 9962'. Open w/strong blow.

Gas to surface in 26 min. Rec'd 150' GCM, 118' formation water.

IHP 4685 psi

60" ISIP 3407 psi

10" IF 154 psi

90" FF 219 psi

120" FSIP 3030 psi

FHP 5809 psi

DST #2: 12,111' to 12,234'. Open w/weak blow.
Rcvd 50' free oil, 2000' water blanket, 90' HOGCM.
IHP 5809 psi
45' ISIP 4187 psi
10" IF 988 psi
120" FF 988 psi
90" FSIP 3036 psi
FHP 5809 psi

Logs: Gamma Ray Neutron

- XI. See attached fresh water analysis.
- XII. Examination of the available geologic and engineering data has revealed no evidence of open faults or any other hyrologic connection between the disposal zone and any underground source of drinking water. Some faults exist but they are sealing faults and do not extend above the base of the Pennsylvanian which is well below any fresh water source.

105x CULT @ SURFICE 174 HOLE 113/4 40#/FT @ 383 WITH 525 255x CMT @ 385' SKS CEWENT SHOT & PULLED 85 @ 1345' 25 Sx CMT @ 1345' 11" HOLE 8 78 ZA E 32 # 1 @ 4565' WITH 500 25 SX CWT @ 4565' SX CEMENT 25 >x (mt @ 5995' 255x Cm+@ 7285' 7 78" HOLE 25 Sx Cmt @ 9800' 255x Cm7@ 11,726 10: 11726

to Systement & SURFACE TO 408. CAP WITH STEEL PLATE 171/2" House 113/4", 42 #FT @ 390' WITH SX CEMENT 100 SKS (EMENT @ 1700' 11" HOLE 100 SKS CEMENT @ 2700' 18 24 = 32 # /FT @ 4502 WITH 400 SX CEMENT 50 SKS CEMENT @ 5300' RETAINER @ 5300'. Pump 200 SXS CEMENT 35 SXS CEMENT @ 9577' PERF: 4618-30 BRIDGE PLUG @ 9710 PERF: 10560-70 BRIDGE PLUB @ 10743 roce 9185' PERF: 12268-86 512" 17:20#/A @ 12288 with 525 SX CEMENT

IDSX COUT @ SURFACE. WELD ON 1/2" STEEL PLATE 17/2" HOLE 133/3, 48 FT @ 405 WITH 450 SXS CEMENT 30 Sx Cm+ @ 4612' 893,24 F32#/FT @ 4612' WITH 2000 SAS CEMENT 2000 SAS PLANTING 2000 SAS CEMENT 2000 SAS PLANTING 2000 S 25 5x Cm7 @ 9600' 20 Sx Cmt @ '9800 512' CASING SLOT & POMED @ 9800' 25 SX COUT OVER PERFS PERFS: 11204-222, 11430-35, 11643-49 @ 1120x - 222' 512" 17 : 20#/FT @ 11710 WITH OF CEMENT

709 W INDIANA MIDLAND, TEXAS 79701 PHONE 683-4521

RESULT OF WATER ANALYSES

| • | L | ABORATORY NO | 687361 | · |
|---------------------------------|----------------------------|--|-----------------|-----------------|
| Mr. Robert Setzler | | AMPLE RECEIVED _ | (00 07 | |
| .O. Box 360, Midland, Texas | | ESULTS REPORTED. | | |
| MCF Oil Corporation | | F R Andors | on Calt Unto | r Dianasal #2 |
| MPANY MGF Oil Corporation | | E.B. Anders | on sait wate | i Disposai #2 |
| ELD OR POOL | | Lon | NM | |
| CTION BLOCK SURVEY | COUNTY | ST. | ATENT | |
| URCE OF SAMPLE AND DATE TAKEN: | tor 11011 1000to | d l milo NE of | Andorson oolt : | |
| NO. 1 Raw water - taken from wa | ter well locate | d 4 mile NE of | Anderson sait | water disposal. |
| NO. 2 Raw water - taken from wa | ter well locate | d ½ mile West of | Anderson salt | water disposal. |
| NO. 3 | | | | |
| | | | | |
| NO. 4 | | | | |
| | AL AND PHYSICAL | DDODEDTIES | | |
| CHEMICA | NO. 1 | NO. 2 | NO. 3 | |
| Specific Gravity at 60° F. | 1.0049 | | NO. 3 | NO. 4 |
| of When Sampled | 1.0049 | 1.0024 | | · |
| oH When Received | 7.50 | 7.50 | | |
| Bicarbonate as HCO3 | 212 | 215 | | |
| Supersaturation as CaCO3 | | + | | |
| Undersaturation as CaCO3 | | | | |
| Fotal Hardness as CaCO3 | 970 | 500 | | |
| Calcium as Ca | 270 | 144 | | |
| Magnesium as Mg | 72 | 34 | | |
| odium and/or Potassium | 640 | 124 | | |
| Sulfate as SO4 | 216 | 289 | | |
| hloride as CI | 1,392 | 207 | | |
| ron as Fe | 6.0 | 0.64 | | |
| Barium as Ba | | 1 0.04 | - | |
| Furbidity, Electric | | | | |
| Color as Pt | | | | |
| Total Solids, Calculated | 2,802 | 1,013 | | |
| emperature °F. | | | | |
| Carbon Dioxide, Calculated | | | | |
| Dissolved Oxygen, Winkler | | | | |
| Hydrogen Sulfide | 0.0 | 0.0 | | |
| Resistivity, ohms/m at 77° F. | 2.11 | 6.86 | | |
| uspended Oil | | | | |
| Filtrable Solids as mg/1 | | | | |
| Volume Filtered, ml | | | | • |
| | | | | |
| | | | | |
| | | | | |
| Res | ults Reported As Milligran | ns Per Liter | | |
| | undersigned cer | tifies the abov | e to be true | and correct |
| o the best of his knowledge an | d belief. | | | |
| | | | | |
| | | | | |
| | | - | | |
| | | | | |
| | | | | |
| | | | | |

Form No. 3

W. Reagan White, B.S.



STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

GARREY CARRUTHERS

July 14, 1987

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: | JUL 17 1987 | |
| I have examined the applica | tiOH GONSERVATION DIVISION SANTA FE | |
| | B. Anderson #2-M | 6-13-38 |
| Operator | Lease & Well No. Unit | S-T-R |
| and my recommendations are | as follows: | |
| OKJS | | |
| | | |
| | | |
| | | |
| Yours very truly, Jerry Sexton Supervisor, District 1 | | |