

CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: MERIT ENERGY CO. Well: ^{SDS} FEDERAL "11" Well No. 1
 Contact: DICK STAMENTS Title: CONSULTANT 71 Phone: 214-701-8377
SMERYL CARROTH REGULATORY MGR.
 DATE IN 11-23-93 RELEASE DATE 12-7-93 DATE OUT _____

Proposed Injection Application is for: WATERFLOOD Expansion Initial
 Original Order: R- _____ Secondary Recovery Pressure Maintenance
 WIPP Capitan Reef Commercial Operation
 SENSITIVE AREAS SALT WATER DISPOSAL

Data is complete for proposed well(s)? Additional Data _____

AREA of REVIEW WELLS

1 Total # of AOR 0 # of Plugged Wells
YKS Tabulation Complete N/A Schematics of P & A's
YKS Cement Tops Adequate AOR Repair Required

INJECTION INFORMATION

Injection Formation(s) BELL CANYON
 Source of Water DELAWARE (BRUSHY & CHERRY CANYON) Compatible YKS

PROOF OF NOTICE

YKS Copy of Legal Notice YKS Information Printed Correctly
YKS Correct Operators YKS Copies of Certified Mail Receipts
 Objection Received Set to Hearing _____ Date

NOTES: _____

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL YKS

COMMUNICATION WITH CONTACT PERSON:

1st Contact: Telephoned Letter _____ Date _____ Nature of Discussion _____
 2nd Contact: Telephoned Letter _____ Date _____ Nature of Discussion _____
 3rd Contact: Telephoned Letter _____ Date _____ Nature of Discussion _____

R. L. (DICK) STAMETS **CONSULTANT**

201 West San Mateo Road, Santa Fe, N. M. 87501

(505) 982-1680

November 23, 1993

William LeMay
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504

Dear Mr. LeMay:

Enclosed please find a copy and one original of the application of Merit Energy Company for a salt water disposal well in Eddy County, New Mexico being the Federal 11 Well No. 1 located in Unit H of Section 11-T24S-R31E.

Copies of the application have been separately furnished to the Artesia office of the Oil Conservation Division as well as those operators/owners and others as shown on the Proof of Notice attached.

Please note that I am advised that logs on this well have previously been supplied to the OCD and that there are no fresh water wells within one mile of its location.

If we may supply any additional data on this proposal, please do not hesitate to call me.

Sincerely,



R. L. Stamets

NOV 24 1993
OIL CONSERVATION DIVISION
MEX. 280

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. Operator: Merit Energy Company

Address: 12222 Merit Drive, Suite 1500 Dallas, Texas 75251

Contact party: Sheryl J. Carruth Phone: (214) 701-8377

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:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
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: Sheryl J. Carruth Title Regulatory Manager

Signature: *Sheryl J. Carruth* Date: 11-10-93

* 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.

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 footage 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 the 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 publication 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:

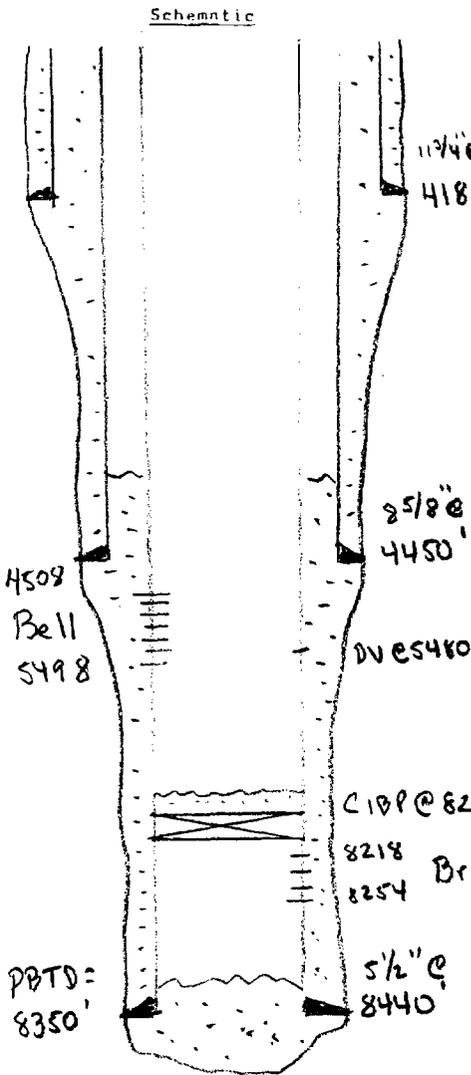
- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates 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.

INJECTION WELL DATA SHEET

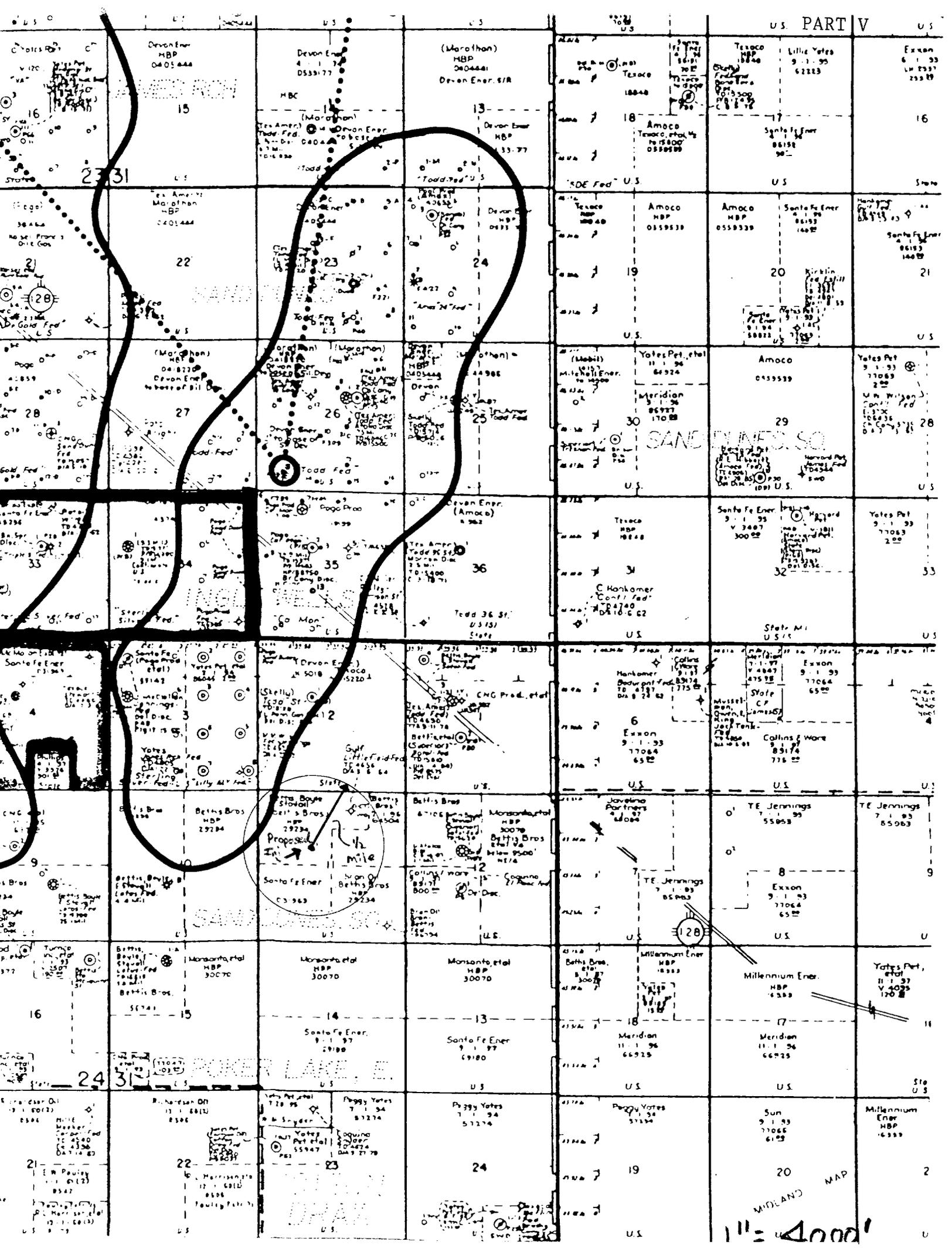
Merit Energy Company		SDS	Federal 11	
OPERATOR LEASE				
1	2090' FNL & 1980' FWL	11	24-S	31-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE



Tubular Data	
<u>Surface Casing</u>	
Size <u>11 3/4</u> "	Cemented with <u>485</u> ex.
TOC <u>surface</u>	feet determined by <u>circulation</u>
Hole size <u>14 3/4</u>	
<u>Intermediate Casing</u>	
Size <u>8 5/8</u> "	Cemented with <u>1773</u> ex.
TOC <u>surface</u>	feet determined by <u>circulation</u>
Hole size <u>11</u> "	
<u>Long string</u>	
Size <u>5 1/2</u> "	Cemented with <u>974</u> ex.
TOC <u>4000</u>	feet determined by <u>CBL</u>
Hole size <u>7 7/8</u> "	
Total depth <u>8440</u>	
<u>Injection interval</u>	
<u>4508</u>	feet to <u>5498</u> feet
(perforated or open-hole, indicate which)	

Tubing size 2 7/8 " lined with cement (material) set in a Baker Lok-set (brand and model) packer at 5100 ' feet
 (or describe any other casing-tubing seal).

- Other Data
- Name of the injection formation Bell Canyon (Delaware)
 - Name of field or Pool (if applicable) Sand Dunes, W.
 - Is this a new well drilled for injection? Yes No
 If no, for what purpose was the well originally drilled? Production in the Brushy Canyon (Delaware)
 - 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))
Yes. Brushy Canyon 8218-8254. CIBP at 8200' w/10' cmt.
 - Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Cherry Canyon 5502' - oil
Brushy Canyon 8020' - oil



Devon Ener
HBP
0405444

Devon Ener
4-1-77
D533177

(Marathon)
HBP
0404441
Devon Ener, S/R

Texaco
HBP
18048

Texaco
HBP
18048

Exxon
6-1-93
LH 2537
2537

Ex. Amer.
Marathon
HBP
0401444

Devon Ener
HBP
043177

Devon Ener
HBP
043177

Amoco
HBP
0559339

Amoco
HBP
0559339

Santa Fe Ener
HBP
06158
90-

(Marathon)
HBP
04-8720
Devon Ener
Nobels of Bill

Marathon
HBP
045986

Marathon
HBP
045986

Yates Pet., et al
11-1-96
84924

Amoco
0459339

Yates Pet
9-1-93
77063
2-00

Stella
HBP
03-963

Stella
HBP
03-963

Devon Ener.
(Amoco)
0-962

Texaco
HBP
18048

Santa Fe Ener
9-1-93
V 3467
300 00

Yates Pet
9-1-93
77063
2-00

Santa Fe Ener
(Marathon)
HBP
03-963

Stella
HBP
03-963

Devon Ener.
(Amoco)
0-962

Mankover
HBP
03-963

Santa Fe Ener
9-1-93
V 3467
300 00

Yates Pet
9-1-93
77063
2-00

Beths Bros
HBP
29734

Beths Bros
HBP
29734

Beths Bros
HBP
29734

Mankover
HBP
03-963

TE Jennings
HBP
55083

TE Jennings
7-1-93
65083

Beths Bros
HBP
29734

Monsanto et al
HBP
30070

Monsanto et al
HBP
30070

Beths Bros
HBP
29734

Millenium Ener
HBP
6583

Yates Pet.
11-1-93
V 4023
170 00

Beths Bros
HBP
29734

Santa Fe Ener.
9-1-93
29180

Santa Fe Ener
9-1-93
29180

Beths Bros
HBP
29734

Meridian
11-1-96
66925

Meridian
11-1-96
66925

Beths Bros
HBP
29734

Puggy Yates
HBP
57274

Puggy Yates
HBP
57274

Puggy Yates
HBP
57274

Sun
9-1-93
77063
6100

Millenium Ener
HBP
6583

MIDLAND MAP
1" = 4000'

AREA OF REVIEW WELL SUMMARY

OPERATOR AND WELL DETAIL	SPUD DATE COMP. DATE	CASING SIZE	CASING DEPTH	CEMENT TOP
Operator: Gulf Oil Corp.	2/26/64	8 5/8	365'	Surface
Lease: Federal Littlefield CT	3/4/64	4 1/2	4656'	2294'
County: Eddy				
No. UT. S-T-R: 1-B 11-24S-31E				
Footage: 600' FNL & 1980' FEL				
Total Depth: 4656'				
Status: Injection Well in Bell Canyon				

Remarks: Well was reentered by Bettis Boyle & Stovall in 1992

Procedure was as follows: Drill out plugs at 0' - 29'; 316' - 416'; 857' - 957'; 2908' - 3008'; 4500' - 4656'

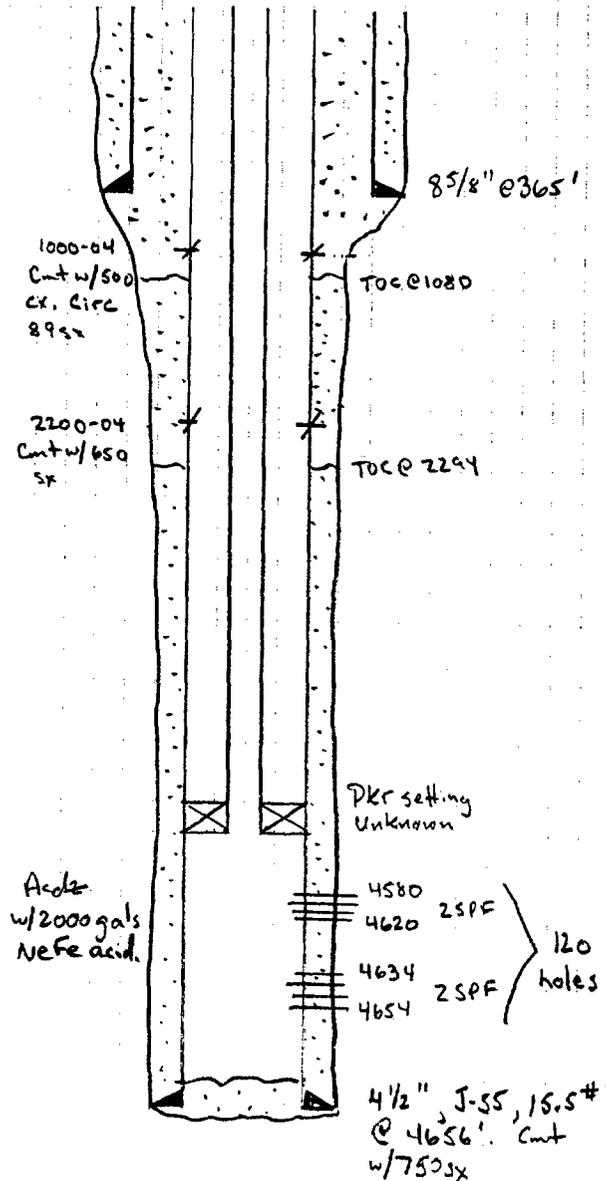
RIH w/4 1/2 15 1/2# J-55 csg, set at 4656'. Cmt w/600 sx Halliburton lite + 150 sx CL C. Didn't circ. TOC 2294'.

Perf. 2200' - 2204' - 4 holes - Cmt w/500 sx Lite + 15 sx CL C - didn't circ. TOC 1080'.

Perf. 1000' - 1004' - Cmt w/300 sx Lite + 200 sx CL C - Circ. 89 sx out.

Perf. 4580' - 4620' & 4634' - 4654' - 120 holes 2 spf.

Acidize w/2000 gals NEFE acid.



PROPOSED OPERATION

APPLICATION FOR INJECTION

SDS FEDERAL 11 WELL NO. 1

1. Proposed average and maximum daily rate and volume of fluids to be injected 3000 BWPD at 1000 psi.
2. The system will be closed.
3. Proposed average and maximum injection pressure average 500 psi and maximum 1000 psi.
4. Sources and appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water: Delaware formation - Analysis attached.
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 chemical analysis of the disposal zone. None Available. However, several existing SWD wells in the Bell Canyon formation in the Sand Dunes area have experienced no compatibility problems with Brushy or Cherry (Delaware) Formation waters.

P. O. BOX 1468
 MONAHANS, TEXAS 79756
 PH. 943-3234 OR 563-1040

Martin Water Laboratories, Inc.

709 W. INDIANA
 MIDLAND, TEXAS 79701
 PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Mr. Hal Crabb LABORATORY NO. 293111
P. O. Box 2267, Midland, TX 79702-9988 SAMPLE RECEIVED 2-16-93
 RESULTS REPORTED 2-17-93

COMPANY Enron Oil & Gas Company LEASE Poker Lake
 FIELD OR POOL Sand Dunes
 SECTION 32 BLOCK SURVEY T-23S&R-31E COUNTY Eddy STATE NM
 SOURCE OF SAMPLE AND DATE TAKEN:

- NO. 1 ~~Produced water - taken from Poker Lake State #32-3~~
- NO. 2 ~~Produced water - taken from Poker Lake State #32-3~~
- NO. 3 ~~Produced water - taken from Poker Lake State #32-7~~
- NO. 4 _____

REMARKS: Delaware (Lower Brushy Canyon)

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.2019	1.1460	1.1950	
pH When Sampled				
pH When Received	4.53	5.62	5.56	
Bicarbonate as HCO ₃	37	488	37	
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	69,000	44,000	70,000	
Calcium as Ca	23,600	15,200	24,000	
Magnesium as Mg	2,430	1,458	2,430	
Sodium and/or Potassium	87,163	65,722	80,253	
Sulfate as SO ₄	98	210	95	
Chloride as Cl	183,229	132,095	173,286	
Iron as Fe	115	90.0	72.0	
Barium as Ba	0	0	0	
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	296,557	215,173	280,101	
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen				
Hydrogen Sulfide	0.0	0.0	0.0	
Resistivity, ohms/m at 77° F.	0.046	0.055	0.048	
Suspended Oil				
Filtrable Solids as mg/l	.025	.030	.026	
Volume Filtered, ml				at f. temp F 140° F

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks In comparing the above results with our records in this field and area, we find all three of these waters have characteristics that correlate reasonably well with what would be expected from natural Delaware. We do note a somewhat lower level of all the salts except sulfate in the water from Poker Lake State #32-3 as compared to the others, but the ratios of salts still indicate this water would correlate with being predominantly natural Delaware. We are not sure of the significance of the differences in the levels of salts unless there has been some recent activity on this well.

By Waylan C. Martin, M.A.

GEOLOGICAL DATA

Geologic Name: Bell Canyon of the Delaware Mountain Group of the Permian

Thickness: 1014'

Depth: Top - 4488' Bottom - 5502'

Depth of underground sources of drinking water:

Geologic Name: Red beds

Dewey Lake can produce fresh water from depths less than 200'. There are no wells within a 2 mile radius of the proposed SWD well.

PROPOSED STIMULATION PROGRAM

MERIT ENERGY COMPANY
 SDS "11" FEDERAL #1
 EDDY COUNTY, NEW MEXICO

ALTERNATE II

FLUID SPECIFICATIONS

Spectra Frac G-3000

(71,500 Gallons)

167 ppt KCl	Clay Control
7.5 gpt LFC-1	Slurried Guar Gelling Agent
*1.0 gpt BF-7L	High Ph Buffer
*2.25 gpt XLW-56	Borate Crosslinker
*1.0 gpt GBW-12	Enzyme Breaker
1.0 gpt NE-18	Non-Emulsifier
1 gpt Clatrol-6	Clay Stabilizer
6 pptank Xcide-207	Bacteriacide

*concentrations may vary based on the quality of the field waters

RECOMMENDED PROCEDURE

1. Rig up BJ Services. Pressure test treatment lines. Conduct pre-job safety and assignment meeting.
2. Frac as follows:

Clean Vol. (gals)	Sand Conc.	# Stage	Proppant	
				Type
25,000	Pad		-0-	---
8,500	2 lb/gal.	17,000		12/20 Brady
8,500	4 lb/gal.	34,000		12/20 Brady
8,500	5 lb/gal.	42,500		12/20 Brady
8,500	6 lb/gal.	51,000		12/20 Brady
8,500	8 lb/gal.	68,000		12/20 Brady
4,000	10 lb/gal.	40,000		12/20 Brady

3. Flush to top perms with slick water.

CHEMICAL ANALYSIS

There are no wells within one mile.

November 9, 1993

APPLICATION FOR INJECTION

SDS FEDERAL 11 WELL NO. 1

I find no evidence of open faults or other hydrologic connection between the Bell Canyon Delaware Mountain Group disposal zone from 4650' - 5360' and native fresh water aquifers in this wellbore.


Jon Herber
Geologist

NOTICE OF APPLICATION
HAS BEEN SENT
TO THE FOLLOWING PARTIES
ON November 10, 1993

SURFACE OWNER

Bureau of Land Management
Carlsbad Resource Area
P. O. Box 1778
Carlsbad, NM 88220

LEASEHOLD OPERATORS WITHIN ONE-HALF MILE

Bettis Boyle & Stovall Oil Co.
505 Fifth Street
Graham, TX 76450

Santa Fe Energy Co
500 W. Illinois
Midland, TX 79701

Enron Oil & Gas
508 W. Wall
Suite 1100
Midland, TX 79702

Devon Energy Corp.
20 North Broadway
Suite 1500
Oklahoma City, OK 73102-8260

Pogo Oil & Gas
P. O. Box 10340
Midland, TX 79707-7340

Yates Petroleum Corp
105 S. Fourth Street
Artesia, NM 88210

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

Donella Dajla
being first duly sworn, on oath says:

That she is business manager
of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the state wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

NOVEMBER 10, 19 93
_____, 19____
_____, 19____
_____, 19____
_____, 19____
_____, 19____

That the cost of publication is \$ 16.94,
and that payment thereof has been made and will be assessed as court costs.

Donella Dajla

Subscribed and sworn to before me this
10 day of NOVEMBER, 19 93

Pinda X. Carter

My commission expires 7/22/96
Notary Public

November 10, 1993
NOTICE OF APPLICATION FOR OIL AND GAS DISPOSAL WELL PERMIT
Merit Energy Company, 12222 Merit Drive, Suite 1500, Dallas, Texas, 75251, has applied to the Oil Conservation Division for a permit to dispose of produced salt water by injection into the SDS 11 Federal #1 well, located 2000FNL & 1980FWL of Section 11, T24S, R31E, Eddy County, New Mexico. Salt water will be injected into the Bell Canyon Delaware formation at 4508'-5498' at maximum rates of 3000 BWPD at 1000 psi. The Merit Energy contact is Sheryl J. Carruth at (214) 701-8377. 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 of this notice.

Is your RETURN ADDRESS completed on the reverse side?

SENDER: *Production*

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Pogo Oil & Gas
Post Office Box 10340
Midland, Texas 79707-7340

ILLEGIBLE

4a. Article Number

4b. Service Type

Registered Insured

Certified COD

Express Mail Return Receipt for Merchandise

7. Date of Delivery **NOV 12 1993**

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent) *[Signature]*

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

SENDER: *Production*

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
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- The Return Receipt will show to whom the article was delivered and the date delivered.

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- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210

4a. Article Number

4b. Service Type

Registered Insured

Certified COD

Express Mail Return Receipt for Merchandise

7. Date of Delivery **NOV 12 1993**

8. Addressee's Address (Only if requested and fee is paid)

5. Signature (Addressee) *[Signature]*

6. Signature (Agent) *[Signature]*

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 **DOMESTIC RETURN RECEIPT**

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I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Devon Energy Corporation
20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

4a. Article Number

4b. Service Type

Registered Insured

Certified COD

Express Mail Return Receipt for Merchandise

7. Date of Delivery *[Signature]*

8. Addressee's Address (Only if requested and fee is paid)

5. Signature (Addressee)

6. Signature (Agent) *[Signature]*

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 **DOMESTIC RETURN RECEIPT**

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- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Bettis Boyle & Stovall Oil Co.
505 Fifth Street
Graham, Texas 76450

4a. Article Number

4b. Service Type

Registered Insured

Certified COD

Express Mail Return Receipt for Merchandise

7. Date of Delivery
11-12-93

5. Signature (Addressee)
Andrea Wiley

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

SENDER: Production

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
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- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Bureau of Land Management
Carlsbad Resource Area
Post Office Box 1778
Carlsbad, NM 88220

4a. Article Number

4b. Service Type

Registered Insured

Certified COD

Express Mail Return Receipt for Merchandise

7. Date of Delivery

5. Signature (Addressee)

6. Signature (Agent)
Betty Hill

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

SENDER: Production

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Santa Fe Energy Company
500 West Illinois
Midland, Texas 79701

4a. Article Number

4b. Service Type

Registered Insured

Certified COD

Express Mail Return Receipt for Merchandise

7. Date of Delivery
11-10-93

5. Signature (Addressee)
J. Freeman

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

MERIT ENERGY COMPANY

12222 Merit Drive, Suite 1500
Dallas, Texas 75251
(214) 701-8377
(214) 960-1252 Fax

November 10, 1993

Bureau of Land Management
Carlsbad Resource Area
P. O. Box 1778
Carlsbad, NM 88220

Re: SDS Federal 11 Well No. 1
Eddy County, NM

Gentlemen:

Enclosed please find a copy of Merit Energy Company's Application for Authorization to Dispose (Form C-108) in the above captioned well. As the surface owner, you must file any objections or requests for hearing within 15 days from the date of this letter.

Any questions for Merit concerning this application should be directed to myself at the above address.

Sincerely,



Sheryl J. Carruth
Regulatory Manager

SJC:s

Enclosure

MERIT ENERGY COMPANY

12222 Merit Drive, Suite 1500
Dallas, Texas 75251
(214) 701-8377
(214) 960-1252 Fax

November 10, 1993

Bettis, Boyle & Stovall Oil Co.
505 Fifth Street
Graham, TX 76450

Re: SDS Federal 11 Well No. 1
Eddy County, NM

Gentlemen:

Enclosed please find a copy of Merit Energy Company's Application for Authorization to Dispose (Form C-108) in the above captioned well. As an offset operator, you must file any objections or requests for hearing within 15 days from the date of this letter.

Any questions for Merit concerning this application should be directed to myself at the above address.

Sincerely,



Sheryl J. Carruth
Regulatory Manager

SJC:s

Enclosure

MERIT ENERGY COMPANY

12222 Merit Drive, Suite 1500
Dallas, Texas 75251
(214) 701-8377
(214) 960-1252 Fax

November 10, 1993

Santa Fe Energy Co.
500 W. Illinois
Midland, TX 79701

Re: SDS Federal 11 Well No. 1
Eddy County, NM

Gentlemen:

Enclosed please find a copy of Merit Energy Company's Application for Authorization to Dispose (Form C-108) in the above captioned well. As an offset operator, you must file any objections or requests for hearing within 15 days from the date of this letter.

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Sincerely,



Sheryl J. Carruth
Regulatory Manager

SJC:s

Enclosure

MERIT ENERGY COMPANY

12222 Merit Drive, Suite 1500
Dallas, Texas 75251
(214) 701-8377
(214) 960-1252 Fax

November 10, 1993

Enron Oil & Gas
508 W. Wall
Suite 1100
Midland, TX 79702

Re: SDS Federal 11 Well No. 1
Eddy County, NM

Gentlemen:

Enclosed please find a copy of Merit Energy Company's Application for Authorization to Dispose (Form C-108) in the above captioned well. As an offset operator, you must file any objections or requests for hearing within 15 days from the date of this letter.

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Sincerely,



Sheryl J. Carruth
Regulatory Manager

SJC:s

Enclosure

MERIT ENERGY COMPANY

12222 Merit Drive, Suite 1500
Dallas, Texas 75251
(214) 701-8377
(214) 960-1252 Fax

November 10, 1993

Devon Energy Corp.
20 North Broadway
Suite 1500
Oklahoma City, OK 73102-8260

Re: SDS Federal 11 Well No. 1
Eddy County, NM

Gentlemen:

Enclosed please find a copy of Merit Energy Company's Application for Authorization to Dispose (Form C-108) in the above captioned well. As an offset operator, you must file any objections or requests for hearing within 15 days from the date of this letter.

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Sincerely,



Sheryl J. Carruth
Regulatory Manager

SJC:s

Enclosure

MERIT ENERGY COMPANY

12222 Merit Drive, Suite 1500
Dallas, Texas 75251
(214) 701-8377
(214) 960-1252 Fax

November 10, 1993

Pogo Oil & Gas
P. O. Box 10340
Midland, TX 79707-7340

Re: SDS Federal 11 Well No. 1
Eddy County, NM

Gentlemen:

Enclosed please find a copy of Merit Energy Company's Application for Authorization to Dispose (Form C-108) in the above captioned well. As an offset operator, you must file any objections or requests for hearing within 15 days from the date of this letter.

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Sincerely,



Sheryl J. Carruth
Regulatory Manager

SJC:s

Enclosure

MERIT ENERGY COMPANY

12222 Merit Drive, Suite 1500
Dallas, Texas 75251
(214) 701-8377
(214) 960-1252 Fax

November 10, 1993

Yates Petroleum Corp
105 S. Fourth Street
Artesia, NM 88210

Re: SDS Federal 11 Well No. 1
Eddy County, NM

Gentlemen:

Enclosed please find a copy of Merit Energy Company's Application for Authorization to Dispose (Form C-108) in the above captioned well. As an offset operator, you must file any objections or requests for hearing within 15 days from the date of this letter.

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Sincerely,



Sheryl J. Carruth
Regulatory Manager

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Enclosure