



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

10000 RIO HAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-0178

GARREY CARRUTHERS
GOVERNOR

Date: 12-20-90

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

Re: Proposed MC _____
Proposed DHC _____
Proposed NSL _____
Proposed SWD X _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated 12-20-90
for the BASIN FUELS, LIMITED NO. 11410 #2
Operator Lease & Well No.

B-13-201-64 and my recommendations are as follows:
Unit, S-T-R

NEED MORE INFORMATION: ITEM V
(MAP OF AREA OR REVIEW) COMPASS CIRCLE
NOT LARGE ENOUGH, NEED SCHEMATICS
FOR TWO MORE 10" WELLS IN SEC. 13

Yours truly,

James H. Smith



basin fuels, limited

2901 EAST 20TH STREET • P.O. BOX 50 • FARMINGTON, NEW MEXICO 87499

PHONE (505) 325-1702

December 13, 1990

Mr. Ernie Busch
New Mexico Oil Conservation Division
1000 Rio Brazos Rd.
Aztec, New Mexico 87410

Re: Authorization to Inject
Noo Navajo #2 Well
Franciscan Lake Mesa Verde Field
McKinley County, New Mexico

Dear Mr. Busch:

Submitted herewith please find Form C-108 and necessary attachments for authorization to inject produced water into the subject well. This project is an extension of the existing disposal system (reference NMOCD Order #R-5540) and should qualify for administrative approval.

Injection will be through Mesa Verde perforations for 2704' KB to 2746' KB. Maximum anticipated injection rate is 700 BWPD. Maximum injection pressure will initially be limited to 541 PSI (0.2 PSI x 2704 ft.). However, we would expect to change this limit based on subsequent step rate testing.

Based on available geologic and engineering data as well as historic performance of the existing injection project, we find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

Proof of Publication of Notice will be forwarded subsequent to this application. Should you require further information or have any questions regarding this matter please call this office or Bradley Salzman at 326-0550.

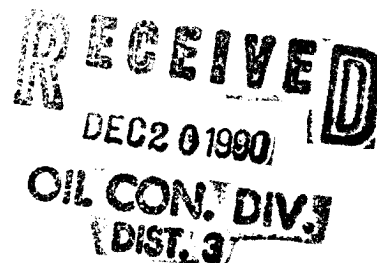
Very truly yours,

BASIN FUELS, LTD.



Joel B. Burr, Jr.

JBB/m
Enc.

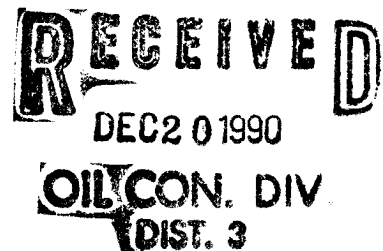


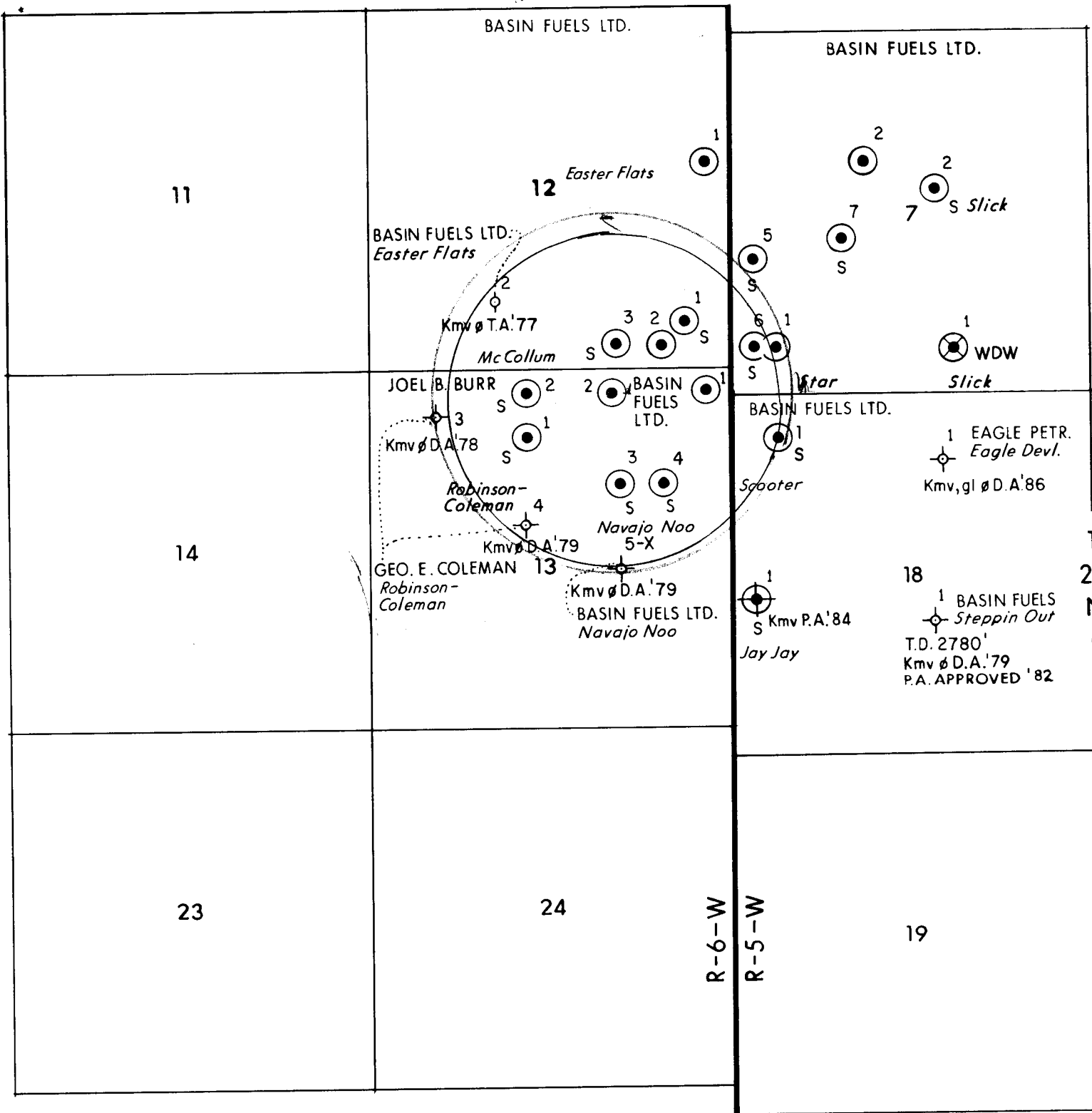
APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Basin Fuels, Ltd.
Address: P. O. Box 50, Farmington, N.M. 87499
Contact party: Joel B. Burr, Jr. Phone: (505) 325-1701
- 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 #R-5540
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; Whether the system is open or closed;
Proposed average and maximum injection pressure;
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: B. W. Salzman Title Consulting Engineer
Signature: B. W. Salzman Date: December 12, 1990
- 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. _____

Detail of C-108, Re: Basin Fuels, Ltd. Application
Noo Navajo #2 Well

- I. See C-108
- II. See C-108
- III. See attached Injection Well Data Sheet
- IV. See C-108
- V. See Attached Map
- VI. See Attached C-104's
- VII.
 - 1. Anticipated average injection rate 450 BWPD. Anticipated maximum rate, 700 BWPD.
 - 2. This will be a closed system.
 - 3. Maximum injection pressure 541 PSI.
 - 4. Injection fluid will be limited to produced water from Mesa Verde Formation.
 - 5. N/A
- VIII. Injection will be limited to the Menefee Interval of the Mesa Verde Formation as shown on Well Bore Schemater. There are no underground sources of drinking water in the subject area.
- IX. The existing well bore will be used as is and no stimulation program is planned at this time.
- X. Logs on the subject well have been filed with the New Mexico Oil Conservation Division
- XI. N/A
- XII. Based on available geologic and engineering data as well as historic performance of the existing injection project, we find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. See attached letter to The Gallup Independent newspaper, a copy of actual publication will be forwarded to you upon our receipt.





RECEIVED

DEC 20 1990

OIL CON. DIV.
DIST. 3

DATE: 11-30-90