

## APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage  
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Capital Oil & Gas Corporation  
Address: P.O. Box 2130 Kilgore, Texas 75662  
Contact party: Gary Blanks Phone: 214-983-2081
- 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 R-4875.
- 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.  
On File
- \* 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.  
On File
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected; 50 BPD
  2. Whether the system is open or closed; Closed
  3. Proposed average and maximum injection pressure; 250 PSI
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and On File
  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. On File
- IX. Describe the proposed stimulation program, if any. 250 Gals. Acid
- \* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.) Electric Log Attached
- \* 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. On File
- 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: Gary Blanks Title: Vice President of Operations  
Signature: Gary Blanks Date: 6/3/82
- \* 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.

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- (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.  
Gallup Hoshpah Miguel Creek Gallup
- (2) The injection interval and whether it is perforated or open-hole.  
Perforations: 768-772'
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.  
Injection
- (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.  
None
- (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. None In Area

## XIV. PROOF OF NOTICE

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ON File
- (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. On File

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Capital Oil &amp; Gas

Santa Fe Pacific Railroad

OPERATOR

LEASE

SFP # 79

1330' FSL &amp; 10' FWL

Sec 21

16N

6W

WELL NO.

FOOTAGE LOCATION

SECTION

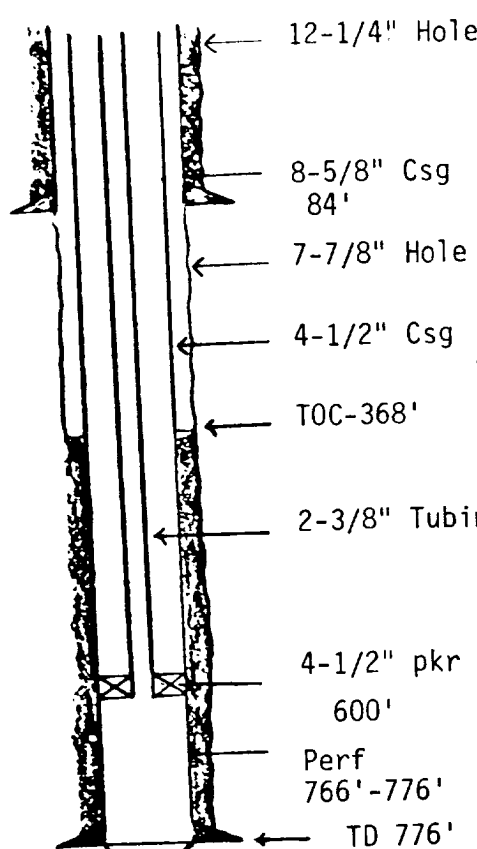
TOWNSHIP

RANGE

Typical Injection Well

## Schematic

## Tabular Data



## Surface Casing

Size 8-5/8

Cemented with 75 SX

TOC Surface

feet determined by Visual

8-5/8" Csg  
84'

Hole size 12-1/4"

## Intermediate Casing

Size None

Cemented with

TOC

feet determined by

Hole size

7-7/8" Hole

4-1/2" Csg

TOC-368'

## Long string

Size 4-1/2"

Cemented with 85

2-3/8" Tubing

TOC 368

feet determined by Calculation

Hole size 7-7/8"

Total depth 786'

4-1/2" pkr  
600'

## Injection Interval

766' feet to 776' 4 JSPF feet  
(perforated or open-hole, indicate which)Perf  
766'-776'

TD 776'

Tubing size 2-3/8 lined with J-55 set in a

(material)

Guiberson Unit - 1

(brand and model)

packer at 600' feet

(or describe any other casing-tubing seal).

## Other Data

1. Name of the injection formation Hospah-Gallup

2. Name of Field or Pool (if applicable) Miguel Creek-Gallup

3. Is this a new well drilled for injection? ☒ Yes ☐ No

If no, for what purpose was the well originally drilled?

4. 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)

No other perforations

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

No other production in this area

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Contact party: Gary Blanks Phone: 214-983-2081
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- IV. Is this an expansion of an existing project? ☒ yes ☐ no  
If yes, give the Division order number authorizing the project R-4875.
- 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.  
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- \*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. On File
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Gallup Hospah Miguel Creek Gallup
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Perforations: 768-772'
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.  
Injection
- (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.  
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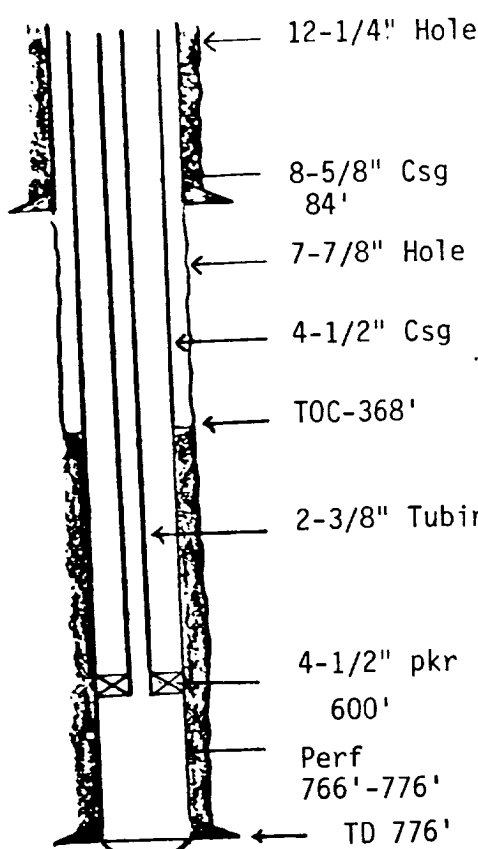
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## Typical Injection Well

## Schematic

## Tabular Data



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feet determined by Visual

8-5/8" Csg  
84'

Hole size 12-1/4"

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Size None

Cemented with sx.

TOC

feet determined by

Hole size

TOC-368'

## Long string

Size 4-1/2"

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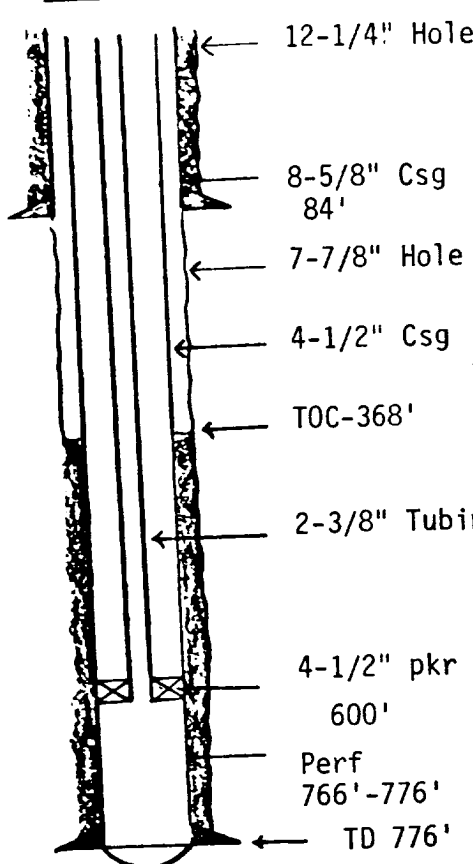
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Typical Injection Well

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## Tubular Data



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

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

OIL CONSERVATION DIVISION  
BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE June 2, 1982

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX ☒ \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated May 24, 1982  
for the Capital Oil & Gas Corp. SPRR #79 L-2I-16W-6W  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Disapprove  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours truly,

Jeff A. Edmister