	And the Control of th				
ENERG	AND MINERALS DEPARTMENT  POST OFFICE BOX 20HB STATE LAND OFFICE BOX 20HB SANTA FE NEW MEXICURATION				
PPLICA	TION FOR AUTHORIZATION TO INJECT				
1.	Purpose: Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? Tyes The				
II.	Operator: Capital Oil & Gas Corporation				
	Address: P.O. Box 2130 Kilgore, Texas 75662				
	Contact party: Gary Blanks Phone: 214-983-2081				
111.	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? $X$ ves $\square$ no If yes, give the Division order number authorizing the project $R-4875$				
٧.	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:				
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected; 50 BPD whether the system is open or closed; Closed</li> <li>Proposed average and maximum injection pressure; 250 PSI</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and On File</li> <li>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.).</li> </ol>				
III.	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				
х.	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				

Applicants must complete the "Proof of Notice" section on the reverse

I hereby certify that the information submitted with this application is true and correct

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

Title

\_\_ Date: <u>\_\_\_6/3/82</u>

side of this form.

Vice President of Operations

source of drinking water.

Name: Gary Blanks

to the best of my knowledge and belief.

Certification

of the earlier submittal.

XIII.

XIV.

#### III. WELL DATA

- A. The fullowing 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: All Attached
  - (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.

    Gallup Hospah 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.
  - (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. None In Area

#### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, ty 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;
- On File
  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
- ON File
  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

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

Capital	Oil & Gas		Santa	Fe Pactic I	<u> </u>	
81108			CCURC		1.61	CN
FP # 79	1330'	FSL & 10' FW	IL Sec 21		TOWNSHIP	RINGE
L 10.	FOOTAGE L	0641104				
			Typical Inject	TON WELL		
				Tabula:	e Data	
Schen				Tabulai	, bara	
121 m	1 1144	12-1/4" Hole	Surface Casing	•		70
3			Size 0-3/0		Cemented wit	th 75 sx sx.
			toc Surface	feet	determined by	, <u>Visual</u>
3			Hole size			
Z Zilian siril						
		7 7/0" 4010	Intermediate (	asing		
111	-	7-776 11016	Size None		Cemented wi	thsx.
111	1111	1_1/2" (sa		feat	determined b	у
111	1119	4-1/2 03g	•			
	11 1(,	TOC-368'	Hole size			
M T	11 8	,00 011	Long string			
3	N. S.		Size 4-1/2"	**	Cemented wi	th <u>85</u> sx.
**	←	2-3/8" Tubi	ng 368	fee	t determined b	y <u>Calculation</u>
<b>4</b>						
			Hole size	7-1/0		
ä	11 日	4-1/2" pkr	Total depth	/86.		
3₽	3 🔯 🗀	600'	Injection in	terval		
<b>4</b>		Donf	766'	feet to	776' 4 JSF	F feet
		766'-776'	(perforated	or open-hale,	, indicate whi	ch)
		- TD 776'				
				-55		set in a
ubing si	ze <u>2-3/8</u>	110	ed withJ-	(materi	al)	
	Guibers	on Unit - 1		packer at	600'	feet
()	brand and me	odel)	ion 0001)			
or descr	ibe any oth	er casing-tubi	ing seery.			
ther Dat	<u>:a</u>					
l. Name	of the inje	ction formation	Hospa	n-Gallup		
2. Name	of Field or	Pool (if app	licable) <u>Migue</u>	l Creek-Gall	<u>up</u>	
• • •		.11 deilled fo	r injection?	X/ Yes /	7 No 🔛	
). 18 En			to wall amining	 llu deilled?		
If no	o, for what	purpose was t	ue well oridine	ily dillion.		
4. Has 1	the well eve	r been perfor	ated in any oth	er zone(s)?	List all such (a) used)	perforated interva
and o	give pluggi:	ig detail (sac	KE Of CAMBILL OF	orrage pro-		
	No of	<u>:her perforat</u>	ions			
5. Give	the death	to and name of	f any overlying	and/or under	lying ail or o	gas zones (pools) in
	eres					
	No. o	ther product	ion in this are	ea		

	BANTA FE NEW MEXICUR/SUT
PPLICA	ATION FOR AUTHORIZATION TO INJECT
I.	Purpose: Secondary Recovery Pressure Maintenance Disposit Storage Application qualifies for administrative approval? Tyes Tho
11.	Operator:Capital Oil & Gas Corporation
	Address: P.O. Box 2130 Kilgore, Texas 75662
	Contact party: Gary Blanks Phone:Phone:
111.	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? $\overline{X}$ ves $\overline{Q}$ no If yes, give the Division order number authorizing the project $\underline{R-4875}$ .
٧.	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
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VII.	Attach data on the proposed operation, including:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected; 50 BPD whether the system is open or closed; Closed</li> <li>Proposed average and maximum injection pressure; 250 PSI</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and On File</li> <li>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.).</li> </ol>
1111.	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
х.	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
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XII.	Applicants for disposal wells must make an affirmative statement that they have be 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.
<b>(111.</b>	Applicants must complete the "Proof of Notice" section on the leverse side of this form.
XIV.	Certification Dist. 5
	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: Dary Blank Date: 6/3/82
	n 🕶

\* 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

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  - (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.
  - A description of the tubing to be used including its size, lining material, and (3)
  - The name, model, and setting depth of the packer used or a description of any other

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this nurpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

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  - The injection interval and whether it is perforated or open-hole. Perforations: 768-772 (2)
  - State if the well was drilled for injection or, if not, the original purpose of the well. (3)
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- On File 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
- ON File 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

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Surface owners or offset operators must file any objections or requests for hearing NOTICE: of administrative applications within 15 days from the date this application was

Capita	1 Oil & Gas		. Santa (	<u>e Pactic Kaliro</u>	
A (08			LEASE	16N	6W
		FSL & 10' FWI	Sec 21	TOUNSHI	PRINCE
ELL NO.	FUITAGE	-	Typical Injectio	on Well	
Sch	enatio			Tabular Data	
		12-1/4" Hole	Surface Casing		
		,	Size 0-3/0	Cement	ed with 75 SX sx.
			roc Surface	feet determi	ned by Visual
The second second		8-5/8" Csg	Hole size 12	-1/4"	
		041			
		7-7/8" Hole	Intermediate Ca	<del>≃====</del> .* Cemen	ted withsx.
} {	11 11	4 1 (01) 6	Size	fact determ	ined by
11	11 4	4-1/2" CS9 .			
11		. TOC-368'	Hole size		
Ų			Long string		0.5
		2-3/8" Tubir	Size 4-1/2"	Cemen	ted with 85 sx.
	<b>→</b>	2-3/0 (40)	<sup>'9</sup> тос <u>368</u>	feet determ	ined by <u>Calculation</u>
	4		Hole size	7-7/8"	· ·
S. C.	2	4-1/2" pkr	Total depth	786'	
4		•	Injection inte	rval	
					4 JSPF feet
		766'-776'	(perforated or	feet to 776' open-hole, indica	te which)
·	<b>-</b>	TD 776'			
Tubina s	2-3/8	line	ed withJ-5	(material)	set in a
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Cuibons	on Unit - 1		packer at 60	0' feet
	(brand and m	adel)			
(or desc	ribe any oth	er casing-tubi	ng seal).		•
Other Da					
1. Name	of the inje	ection formation	Hospah-	Gallup	
2. Name	of Field or	Pool (if appl	icable) Miguel	Creek-Gallup	
			injection? 💯		i di la
IF (	no, for what	purpose was th	e well originall	y drilled?	
4. Has	the well ev	er been perfora	ited in any other	zone(s)? List (I	such perforated intervals
and	give pluggi	ng detail (sack	(8 Of Cameur of r	illage plagit, sees	
	No_o	ther perforat	ions		
		to and name of	any overlying a	nd/or underlying oi	l or gas zones (pools) in
tu 3	No o	ther producti	on in this area		
	[911 ()	CHEL DIOGGCCI	The Print of Prints		

POST OFFICE BOX 2048 STATE LAND OFFICE BUILDING SANTA FE NEW MEXICO 87501

1.	Purpose: Secondary Recovery Pressure Maintenance Disposal Storage
	Application qualifies for administrative approval?
.11	Operator: Capital Oil & Gas Corporation
	Address: P.O. Box 2130 Kilgore, Texas 75662
	Contact party: Gary Blanks Phone: 214-983-2081
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IV.	Is this an expansion of an existing project? $\overline{X}$ ves $\overline{\Box}$ no If yes, give the Division order number authorizing the project $\underline{R-4875}$ .
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IX.	Describe the proposed stimulation program, if any. 250 Gals. Acid
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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.
III.	Applicants must complete the "Proof of Notice" section on Dist. 3  Certification
KIV.	Certification DISI. 3
	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: Day Blank Date: 6/3/82

## III. WELL DATA

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- the formation name and depth with expected maximum injection rates and pressures; and (3)
- ON File a notation that interested parties must file objections or requests for hearing with (4) the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15

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Capital	Oil & Gas	<u> </u>	Santa Fe	Pacfic Railro	
CRATOR			CCMSC		CH
CED # 70	1330'	FSL & 10' FWL	Sec 21	16N TOWNSHIP	6W RANGE
ELL NO.	FOOTAGE L	OCALION	SECTION	(()) 13	
		Ţ	ypical Injection	Well	
Schen	atic			Tabular Onta	
114		12-1/4" Hole	Surface Casing		
			0-3/0	" Cemented wi	th <u>75 SX</u> sx.
			Surface	feet determined b	y Visual
E. Silian Series			<del></del>		
2 A		8-5/8" Csg	Hole size 12-1		
	115	84'	Intermediate Casi	nq	
111		7-7/8" Hole	Intermediate Casi	Cemented w	ithsx.
111			Size None		
		4-1/2" Csg	TOC	feet determined	Jy
	1111	•	Hole size		
U	←	T0C-368'			
	12		Long string		Q5 ev.
		2-3/8" Tubin	Size 4-1/2"	• Cemented w	1th
	<del>  ←                                 </del>	2-3/6 Tubin	τος 368	feet determined	by <u>Calculation</u>
7	11 🗓			7-7/8"	
4	1 8		NOTE 5110	<i>(</i> )	
ij		4-1/2" pkr	Total depth /8	6'	•
<b>3</b> ₽	3 ⊠₩—	6001		1	
		D . 5	7661	feet to 776' 4 JS	PF feet
	彦	rert 766'-776'	(perforated or	pen-hole, indicate wh	ich)
. 3	<u> </u>	— тр 776'	•		
			1 50		set in a
Tubing si	ze <u>2-3/8</u>	line	d withJ-55	(material)	
	Cuibars	on Unit - 1	p	acker at600'	feet
	brand and m	odel)		<del></del> -	
(or descr	lbe any oth	er casing-tubir	ng seal).		•
Other Dat					
Other Dat			- Hospah-G	allup	
1. Name	of the inje	iction formation	Migual C	allup reek-Gallup	
2. Name	of Field of	Pool (if appl	icable) Miguel C	reek-da i i up	
		-11 deilled for	injection?	Yes / No	
••	- for what	ouronse was th	well originally	drilled?	
Ir no	o, for what	barbose was em			· · · · · · · · · · · · · · · · · · ·
		<u> </u>			- Citrophed interval
4. Has	the well ev	er been perfora	ted in any other	zone(s)? List all suc idge plug(s) used)	n perforated interval
bna	give pluggi	ng detail (sac			
	No o	ther perforati	ions		
	Aba dash	to and name of	any overlying and	/or underlying oil or	gas zones (pools) in
	area				
	No. o	ther production	on in this area		
	NOQ	CHCL PLANCE		_	



# 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, 1902		
RE: Proposed MC		
Gentlemen:	<u> </u>	
I have examined the application da	ted May 24, 1982	
for the Capital Oil + Gas Cosp. Operator		L-21-16N-64 Unit, S-T-R
• •		Unit, 3-1-K
and my recommendations are as follo	ows:	
Disappione		
1 ,		
·		
	<del></del>	
Yours truly,		
Yours truly,		