LEWIS C. COX
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD L. HENSLEY JR.
STUART D. SHANOR C. D. MARTIN PAUL J. KELLY JR. OWEN M. LOPEZ OWEN M. LOPEZ
DOUGLAS L. LUNSFORD
PAUL M. BOHANNON
T. CALDER EZZELL, JR.
WILLIAM B. BURFORD*
JOHN S. NELSON
RICHARD E. OLSON
RICHARD A. SIMMS
DEBORAH NORWOOD*

JAMES H. ISBELL* ANDERSON CARTER, II STEVEN D. ARNOLD

JEFFREY D. HEWETT* JAMES BRUCE MICHELE A. DREXLER DAVID G. REYNOLDS T. MARK TISDALE* T, MARK TISDALE*
THOMAS O, HAIMES JR.
THOMAS M, HIMASKO
MICHAEL F, MILLERICK
STEVEN S, MICHEL
GREGORY J, NIBERT
JUDY K, MOORE*
KELLY S, THOMAS*
DAVID T MARKETTE*
RALPH O, DUNN

JEFFREY L BOWMAN JOHN C. HARRISON JAMES J. WECHSLER NANCY S. CUSACK DAVIO L. SPOEDE JEFFREY D. BOWMAN JOHN C. HARRISON ATTORNEYS AT LAW

POST OFFICE BOX 2068

SANTA FE, NEW MEXICO 87504-2068

(505) 982-4554

June 8, 1984

200 BLANKS BUILDING POST OFFICE BOX 3580 MIDLAND, TEXAS 79702 (915) 683-4691

1700 TEXAS AMERICAN BANK BUILDING POST OFFICE BOX IZIIB AMARILLO, TEXAS 79101 (806) 372-5569

> 700 UNITED BANK PLAZA POST OFFICE BOX IO ROSWELL, NEW MEXICO 88201 (505) 622-6510

Mr. Joe D. Ramey, Director Oil Conservation Division Post Office Box 2088 Santa Fe, New Mexico 87504

Dear Mr. Ramey:

E. BONDURANT, JR. (1913-1973) ROBERT A. STONE (1905-1981)

*NOT LICENSED IN NEW MEXICO

On behalf of Coastal Oil & Gas Corporation, I respectfully request that the following cases be continued to the July 11, 1984 Examiner hearing:

- 1. Case 8210, Application for Salt Water Disposal Wells. This case was set for hearing on June 6, 1984, but was continued to the June 20, 1984 hearing. Due to the difficulty of obtaining certain additional information and forwarding it to the parties in the requisite time, we request continuance to the July 11, 1984 hearing.
- 2. Case <u>\$239</u>, Application for Unorthodox Oil Well Location, SW1/4 of Section 31, Township 13 South, Range 33 East, Baum Pennsylvanian field.

Thank you.

Very truly yours,

HINKLE, COX, EATON, COFFIELD & HENSLEY

ames Bruce

JGB: jr

cc: Ben A. Culpepper, Esq. Chad Dickerson, Esq.

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

June 27, 1984

TONEY ANAYA GOVERNOR POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88240 (505) 393-6181

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501	case 8210	
RE: Proposed: MC DHC NSL NSP SWD X WFX PMX		OIL COURT TO A STATE OF THE STA
Gentlemen:		
I have examined the applicati	on for the:	
Coastal Oil & Gas Corp. State Operator L	e 22 #1 & State 27 #1 ease & Well No. Unit	22 & 27-14-32 S-T-R
and my recommendations are as	follows:	
Probably need to go to hearing	as wells in ½ mile are	ea are not cemented through
the zoneJ.S.		
Yours very truly, Jerry Sexton Supervisor, District 1	,	
/mc		

Briercroft Savings Building 200 North Loraine P.O. Box 235 Midland, Texas 79702 - 0235

State of New Mexico Energy and Minerals Department Oil Conservation Division P. O. Box 2088

Santa Fe, New Mexico 88240

June 28, 1984

OIL CONSTRUMING SUNTAILS

RE: OCD Case 8210 Coastal Oil & Gas Corporation Application for Authorization to Inject

Gentlemen:

On June 22, 1984, Coastal Oil & Gas Corporation mailed copies of Form C-10-8 with attachments to your office requesting permission to dispose of produced water into two wells in Lea County, New Mexico. The two subject wells are Coastal's State "22" Well No. 1 located in Section 22, and State "27" Well No. 1 located in Section 27, both of which are in T-14-S, R-32-E. After this material was mailed to your office and copies sent by certified mail to all other parties shown on the attached mailing list, it was discovered that copies of the water analyses required were inadvertently left out of the mailing. Copies of the water analysis from Coastal's State "26" Well No. 3 and State "27" Well No. 1 are attached along with copies of an analysis of water taken from a windmill located in Section 35, T-14-S, R-32-E that was mentioned in the application.

Coastal also has learned that a water well located near Coastal's State "22" Well No. 1 was operational, and a sample was obtained from this well on June 25, 1984. A copy of this water analysis is also attached. Coastal requests that these analysis sheets be included in the application previously mailed to your office.

By copy of this letter and the three attachments thereto, all parties shown on the attached mailing list has been notified of this addition to the original application.

Yours very truly,

H. E. Colar

H. E. Clarke

District Production Manager

HEC/1kw

cc: Distribution list attached

COASTAL OIL & GAS CORPORATION C-108 MAILING LIST JUNE 22, 1984

Yates Petroleum 207 S. 4th Artesia, New Mexico 88210 Attn: Mr. Dave Boneau

Gulf Oil Exploration and Production Company P. O. Box 1150 Midland, Texas 79702

Amoco Production Company, USA P. O. Box 68 Hobbs, New Mexico 88240

Mr. Billy Frank Good P. O. Box 333 Caprock, New Mexico 88213

State of New Mexico Energy and Minerals Department Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

State of New Mexico Energy and Minerals Department Oil Conservation Division P. O. Box 1980 Hobbs, New Mexico 88240

State Land Office State of New Mexico State Land Office Building Santa Fe, New Mexico 87501

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

RESULT OF WATER ANALYSES

	LAI	BORATORY NO	584333		
P.O. Box 235, Midland, Texas					
		SULTS REPORTED	5-31-84		
		SUE IS REPURIED) 		
OMPANY Coastal Oil & Gas C	orporation LEASE _				
ECTION 35 BLOCK SURVEYT	f-14-S _ COUNTY L	3a 51	NM		
DURCE OF SAMPLE AND DATE TAKEN ${\mathbb R}$?-32-E		A I E		
NO. 1 Raw water - taken from		field.	Sample Date	5-30-84	
NO. 2					
NO. 3					
NO. 4			·		
					
EMARKS:	MICAL AND BUVEICAL D				
UNE	EMICAL AND PHYSICAL P				
C (C) Commission of AND E	NO. 1	NO. 2	NO. 3	NO. 4	
Specific Gravity at 60° F.	1.0015		<u> </u>		
pH When Sampled	7 50	 		<u> </u>	
pH When Received Bicarbonate as HCO3	7.58		 		
Supersaturation as CaCO3	17 <i>3</i>		 		
Undersaturation as CaCO3			 		
Total Hardness as CaCO3	240				
Calcium as Ca	82			 	
Magnesium as Mg	9				
Sodium and/or Potassium	17				
Sulfate as SO ₄	65				
Chloride as CI	37				
Iron as Fe	0.16				
Barium as Ba	0.10				
Turbidity, Electric					
Color as Pt				<u> </u>	
Total Solids, Calculated	//03	<u> </u>			
Temperature °F.	403	_			
Carbon Dioxide, Calculated		-			
Dissolved Oxygen, Winkler					
Hydrogen Sulfide	0.0				
Resistivity, ohms/m at 77° F.	22.00				
Suspended Oil					
Filtrable Solids as mg/			1		
Volume Filtered, ml					
			1		
			 		
The state of the s	Results Reported As Milligram	s Per Liter			
Additional Determinations And Remarks	The undersigned cert		ove to be tru	e and cor-	
rect to the best of his know					
					
					
					
· · · · · · · · · · · · · · · · · · ·					
				7	
				//	

Form No. 3

Waylan C. Martin, M.A.

Martin Water Laboratories, Inc.

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

RESULT OF WATER ANALYSES

·		LABORATORY NO		
ro:Mr. Dave Camphell		SAMPLE RECEIVED _	6-26-84	
P.O. Box 235, Midland, Texas		RESULTS REPORTED.	6-26-84	
COMPANY <u>Coastal Oil:& Gas</u>	LEASE	Good Rar	ıch	
FIELD OR POOL	NE/4	of SE/4		·
SECTION 22 BLOCK SURVEY T-14S	COUNTY_L	<u>ea</u> st.	ATE_NM	
SOURCE OF SAMPLE AND DATE TAKE \$=32E				
NO. 1 Raw water - taken from water	er well. 6-2	5-84		
NO. 2				
NO. 3	 · · · · · · · · · · · · · ·			
NO. 4				
REMARKS:				
	AND PHYSICAL	- PROPERTIES		
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1,0013			
pH When Sampled				
pH When Received	7.53			
Bicarbonate as HCO3	195			
Supersaturation as CaCO3				
Undersaturation as CaCO3				
Total Hardness as CaCO3	152			
Calcium as Ca	39		_	_
Magnesium as Mg	13		_	
Sodium and/or Potassium	48			
Sulfate as SO4	49			
Chloride as Cl	31			
Iron as Fe	1 1			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	376			
Temperature °F.				
Carbon Dioxide, Calculated		_		
Dissolved Oxygen, Winkler			· · · · · · · · · · · · · · · · · · ·	
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F.	24.0	0		
Suspended Oil				
Filtrable Solids as mg/				
Volume Filtered, ml				
	1	<u></u>	· · · · · · · · · · · · · · · · · · ·	
	s Reported As Milli			
Additional Determinations And Remarks The under		ifies the above	to be true	and correct
to the best of his knowledge and	helief.			
				
				
				
			-,	· · · · · · · · · · · · · · · · · · ·
		<u> </u>		

Form No. 3

By Konne Muken

samples.

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

RESULT OF WATER ANALYSES

		BORATORY NO		
o: <u>Mr. Dave Campbell</u>	5AN	PLE RECEIVED .	5-31-84	· · · · · · · · · · · · · · · · · · ·
P.O.Box 235, Midland Texas	RE	SULTS REPORTED	5-31-84	
COMPANY Coastal Oil & Gas Corp.	LEASE _	State		
FIELD OR POOL	Tulk (P	enn)		
SECTION BLOCK SURVEY	_ COUNTY <u>Lea</u>	ST	ATE NM	
SOURCE OF SAMPLE AND DATE TAKEN:			· · · · · · · · · · · · · · · · · · ·	
NO. 1 Recovered water - taken from S	State "26" #3	5-30-84		
NO. 2 Recovered water - swabbed from				
NO. 2 RECOVERED WATER - SWADDED ITO	u State 27	#1. J-30-64		
NO. 3				
NO. 4				
REMARKS:	2. San A	ndres		
CHEMICAL A	ND PHYSICAL P	ROPERTIES		
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0375	1.1486		10.4
pH When Sampled		2.1-00		
pH When Received	6.54	6.76		
Bicarbonate as HCO3	61	271		+
Supersaturation as CaCO3		58		
Undersaturation as CaCO3	25			
Total Hardness as CaCO3	5,200	29,250		-
Calcium as Ca	1,320			-
Magnesium as Mg		9,800		
Sodium and/or Potassium	462	1,154		
	20,413	84,045		
Sulfate as SO ₄ Chloride as CI	2,368	1,392		
iron as Fe	33,379	149,140		
Barium as Ba	663	1,170		
				-
Turbidity, Electric Color as Pt			 	
	50.000	A / B A A A		
Total Solids, Calculated Temperature °F.	58,003	245,802		
Carbon Dioxide, Calculated			····	<u> </u>
Dissolved Oxygen, Winkler				
Hydrogen Sulfide		14.0		-
Resistivity, ohms/m at 77° F.	0.142	0,051		
Suspended Oil				
Filtrable Solids as mg/!				
Volume Filtered, ml				
Calcium Carbonate Scaling Tendency	NONE	MILD		-
Calcium Sulfate Scaling Tendency	NONE	MILD		
	<u> </u>	<u></u>		<u> </u>
	Reported As Milligram			
Additional Determinations And RemarksWe are con	cerned in uti	lizing these	samples fo	r compatibilit
studies because there are some abnowell "26" #3 and iron sulfide in we				
herein, we have identified no evide	nce of any in	ncompatibility	v. It does	appear that
the water from well "27" #1 has hyd				
water from well "26" #3 has soluble				
there is a possibility of incompati				
scaling tendency from calcium carbo				
any concern at this time. Therefor				
Form No. 3 be compatible but feel verif	ication is w	arranted with	more repre	Sentative

Martin Water Laboratories, Inc.

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

Form No. 3

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

584333

RESULT OF WATER ANALYSES

		LABORATORY NO	584333	
το: <u>Mr. Dave Campbell</u>		SAMPLE PECELVED 3-31-84		
P.O. Box 235, Midland, Tex	RESULTS REPORTE	5-31-84		
COMPANY Coastal Oil & Gas Cor	poration LEASI	E		
(IELD OR BOOL	Tulk			-
ECTION 35 BLOCK SURVEY T-	14-S COUNTY	<u>Lea</u> s	TATE NM	
OURCE OF SAMPLE AND DATE TAKEN 3-	32-E			
NO. 1 Raw water - taken from w	vindmill near Tu	lk field.	Sample Date	5-30-84
NO. 2		·		
NO. 3			<u> </u>	
NO. 4			_	
REMARKS:		-		
	CAL AND PHYSICAL	PROPERTIES		
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0015			
pH When Sampled				
pH When Received	7.58	3		
Bicarbonate as HCO3	193			
Supersaturation as CaCO3				
Undersaturation as CaCO3			 	
Total Hardness as CaCO ₃	240			
Calcium as Ca	82			
Magnesium as Mg	9		 	-
Sodium and/or Potassium	17		†	
Sulfate as SO4	65		<u> </u>	
Chloride as Ci	37		 	
Iron as Fe	0.1	6		
Barium as Ba				-
Turbidity, Electric			1	<u> </u>
Color as Pt				
Total Solids, Calculated	403			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler				
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F.	22.0			
Suspended Oil				
Filtrable Solids as mg/1				
Volume Filtered, ml				
	Results Reported As Milli			
	e undersigned ce		ove to be tri	se and cor-
rect to the best of his knowle	edge and belief	•		
		·		
<u></u>	· · · · · · · · · · · · · · · · · · ·			-
			·	
				

Martin Water Laboratories, Inc.

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

RESULT OF WATER ANALYSES

		LABORATORY NO	684285	
TO:Mr. Dave Camphell				
P.O. Box 235 Midland, Texas				
COMPANY Coastal Oil.& Gas	LEAS	Good Rar	nch	
ELEL D OR POOL	NE/4	of SE/4		
SECTION 22 BLOCK SURVEY T-	-14S - COUNTY I	.ea st	ATE NM	
SOURCE OF SAMPLE AND DATE TAKEN	-32E		A ! C	
NO. 1 Raw water - taken fro		5 0 /.		
NO. 1 RAW WALET - LAKELL TIE	om water well, 0-2	<u> </u>		·
NO. 2				
NO. 3				
NO. 4				
REMARKS:	· · · · · · · · · · · · · · · · · · ·			
	EMICAL AND PHYSICAL	PROPERTIES		
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1,0013			10.4
pH When Sampled			- · · · · · · · · · · · · · · · · · · ·	
pH When Received	7.5			
Bicarbonate as HCO3	195	^		1
Supersaturation as CaCO3				
Undersaturation as CaCO3		 		<u> </u>
Total Hardness as CaCO3				
Calcium as Ca			· · · · · · · · · · · · · · · · · · ·	<u> </u>
	39	-		
Magnesium as Mg Sodium and/or Potassium				
	48			
Suifate as SO4	49			
Chloride as Cl	31			ļ
tron as Fe			· · · · · · · · · · · · · · · · · · ·	
Barium as Ba				
Turbidity Electric				
Color as Pt			 	
Total Solids, Calculated	376			
Temperature °F.				
Carbon Dioxide, Calculated				<u> </u>
Dissolved Oxygen, Winkler			· · · · · · · · · · · · · · · · · · ·	<u> </u>
Hydrogen Sulfide				
Resistivity, ohms/m at 77° F.	24,0	0		
Suspended Oil			· · · · · · · · · · · · · · · · · · ·	
Filtrable Solids as mg/				
Volume Filtered, ml				
		<u></u>		
	Results Reported As Milli			
Additional Determinations And Remarks The	undersigned cert	ifies the above	to be true	and correct
to the best of his knowledg				
				
		· · · · · · · · · · · · · · · · · · ·		
		<u>^</u>		

Form No. 3

By Kinne Muchen

709 W INDIANA MIDLAND, TEXAS 79701 PHONE 683-4521

RESULT OF WATER ANALYSES

	1.4	BORATORY NO	584335	
o:Mr. Dave Campbell		SAMPLE RECEIVED 5-31-8/		
P.O.Box 235. Midland Texas				
C.V. DOX 233, IIIII and ICXAS	N	SOL 13 REPORTED.		
COMPANY Coastal Oil & Gas Corp.	1 5 4 5 5	State		
FIELD OR POOL				·
SECTION BLOCK SURVEY	COUNTY TA	3 67	ATE NM	
SOURCE OF SAMPLE AND DATE TAKEN:	_ COUNTY_LE	31	A / E	
NO. 1 Recovered water - taken from S	State "26" #	3 5_30_8/		
NO. 2 Recovered water - swabbed from	state "Z/"	#1. 5-30-84		·
NO. 3				
NO. 4				
REMARKS:	2. San	Andres		
	ND PHYSICAL I	PROPERTIES		
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0375	1.1486		
pH When Sampled				
pH When Received	6.54	6.76		
Bicarbonate as HCO3	61	271		
Supersaturation as CaCO ₃		58	· · · · · · · · · · · · · · · · · · ·	
Undersaturation as CaCO3	25			
Total Hardness as CaCO3	5,200	29,250		
Calcium as Ca	1.320	9,800		
Magnesium as Mg	462	1.154		-
Sodium and/or Potassium	20,413	84,045	·	
Sulfate as SO4	2,368	1,392	······································	
Chloride as CI				
Iron as Fe	33,379	149,140		
Barium as Ba	663	1,170		
				
Turbidity, Electric Color as Pt				
Total Solids, Calculated	50.000	2/5 000		+
Temperature °F.	58,003	245,802		
Carbon Dioxide, Calculated		 -		
Dissolved Oxygen, Winkler				
Hydrogen Sulfide				
Resistivity, ohms/m at 77° F.	0.0	14.0		
Suspended Oil	0.142	0.051		
Filtrable Solids as mg/!	-	 		
Volume Filtered, ml		 		
	110	1555		
Calcium Carbonate Scaling Tendency	3	MILD		
Calcium Sulfate Scaling Tendency	NONE	MILD		
D-acites 6	l Reported As Milligra	ms Per Liter	I	
			ga1 *	
Additional Determinations And RemarksWe are con				
studies because there are some abno	rmailties. !	Such as the un	usually nigh	lron oxide
well "26" #3 and iron sulfide in we				
herein, we have identified no evide				
the water from well "27" #1 has hyd	rogen sulfle	<u>le, nur we are</u>	o berro 1 3	letner the
water from well "26" #3 has soluble				
there is a possibility of incompati	nility. We	<u>also would no</u>	r consider	rne mild
scaling tendency from calcium carbo	nare and ca	icium suitate	<u>in weil "//</u>	<u> </u>
Form No. 3 be compatible but feel verif	e in summa	ry we find the	more repre	<u>ers ro likely</u> Eðntative
			22	Jentalive
samples.		Ву	Later John	



STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT **OIL CONSERVATION DIVISION**

TONEY ANAYA GOVERNOR

August 3, 1984

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-5800

Moa James Bruce	Re:	CASE NO. 8210 ORDER NO. R-7605
Hinkle, Cox, Eaton, Coffield & Hensley P. G. Box 2068		Applicant:
Santa Fe, New Mexico		Coastal Oil & Gas Corporation
Dear Sir:		
Enclosed herewith are two Division order recently a	o cop enter	ies of the above-referenced ed in the subject case.
Yours very truly,		
JOE D. RAMEA Director		
JDR/fd		
Copy of order also sent	to:	
Hobbs OCD x Artesia OCD x Aztec OCD		
Other		
		