STATE OF NEW MEXICO

DEPARTMENT OF ENERGY AND MINERALS MECETVED

OIL CONSERVATION DIVISION

JUL 23 1990

APPLICATION OF CHEVRON U.S.A., INC. FOR AUTHORITY TO EXPAND WATERFLOOD PROJECT FOR THE ANISE MONUMENT SOUTH UNIT AND AMEND ORDER R-7766, LEA COUNTY, NEW MEXICO.

OIL CONSERVATION DIV. SANTA FE

case no. 10060

APPLICATION

CHEVRON U.S.A., INC. hereby applies to the New Mexico Oil Conservation Division for an amendment to Order R-7766 authorizing Chevron U.S.A., Inc. to expand its waterflood project for the Eunice Monument South Unit, Lea County, New Mexico, and in support of its Application states:

- 1. On December 27, 1984, the Commission entered Order R-7766 which authorized Gulf Oil Corporation now Chevron U.S.A., Inc. (by merger) to institute a waterflood project in its Eunice Monument South Unit as shown on Exhibit "A", a plat of the unit, and as set forth in a copy of said order which is attached hereto as Exhibit "B" and incorporated by reference herein.
- 2. The Applicant as operator, Chevron U.S.A., Inc., now seeks authority to expand its waterflood project in its Eunice Monument South Unit, by the injection of water

into the unitized interval which shall include the formations which extend from an upper limit of 100 feet below mean sea level or the top of the Grayburg formation, whichever is higher, to a lower limit being the base of the San Andres formation in the proposed Unit Expansion Area B as shown on Exhibit "C" and as described on Exhibit "D" attached to this Application.

- 3. Chevron proposes to commence waterflood operations for Expansion Area B utilizing an 80-acre five spot injection pattern using the well numbering system and proposed unit injection wells as shown and identified for Expansion Area B in Exhibit "E" attached hereto.
- $\begin{tabular}{ll} 4. & Said injection wells shall be conversions of existing wells or newly drilled wells as noted on said \\ Exhibit "F". \\ \end{tabular}$
- 5. The proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.
- 6. The producing formations in the proposed project area are in an advanced stage of depletion and the area is suitable for waterflooding.
- 7. The operator will endeavor to take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

- 8. The operator proposes the injection wells or injection pressurization system should be so equipped as to limit injection pressure at the wellhead to no more than 0.2 psi per foot of depth from the surface to the top injection perforation in any injection well, but seeks authority to increase said pressure limitation, should circumstances warrant.
- 9. The operator also seeks authority to institute infill development of the existing Unit Area and the Expansion Area by administrative approval of the Division Director after a proposed 40 acre-five spot, 20-acre five spot, or other systematic development program if approved by vote of the working interest owners, the authorized officer of the BLM, and the New Mexico Land Commissioner.
- 10. The subject Application should be approved and the project should be governed by the provisions of Rule 701 through 708 of the Commission Rules and Regulations.
- 11. Applicant has filed concurrent with this Application the appropriate Forms C-108 and consolidated attachments for each of the new injection wells.

12. Applicant has sent notice to the offset operators and surface owners as required by Division rules as shown on Exhibit "G" attached hereto.

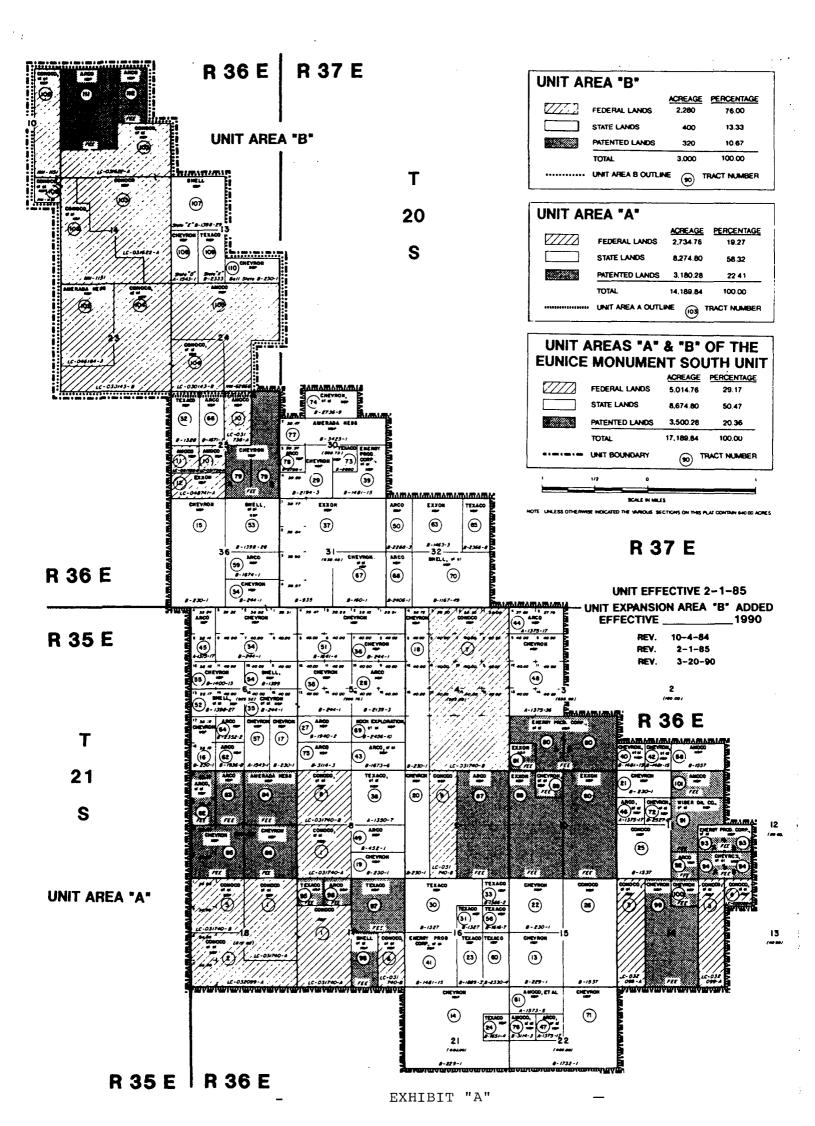
Respectfully submitted,

KELLAHIN, KELLAHIN & AUBREY

By:

W. THOMAS KELLAHIN
Post Office Box 2268
Santa Fe, New Mexico 87504
(505) 988-4285

ATTORNEYS FOR CHEVRON U.S.A., INC.



EUNICE MONUMENT SOUTH UNIT AREA

LEA COUNTY, NEW MEXICO

CHEVRON U.S.A. INC. HOUSTON, TEXAS

STATE OF NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS OIL CONSERVATION COMMISSION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION FOR THE PURPPOSE OF CONSIDERING:

CASE No. 8398 Order No. R-7766

APPLICATION OF GULF OIL CORPORATION FOR A WATERFLOOD PROJECT, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This case came on for hearing at 9:00 A.M. on November 7, 1984, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 27th day of December, 1984, the Commission, a quorum having been present, having considered the testimony and the record and being otherwise fully advised in the premises,

FINDS THAT:

- (1) Due public notice has been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) The applicant, Gulf Oil Corporation, in Commission Case 8398, seeks authority to institute a waterflood project in its Eunice Monument South Unit, by the injection of water into the unitized interval which shall include the formations which extend from an upper limit of 100 feet below mean sea level or the top of the Grayburg formation, whichever is higher, to a lower limit being the base of the San Andres formation in the proposed unitized area, all as shown on Exhibit "A" attached to this order.
- (3) The subject Commission Case 8398 was consolidated for hearing with Commission Cases 8397 and 8399.
- (4) Gulf proposes to utilize an 80-acre five spot injection pattern using a well number system and proposed

Unit injection wells all as shown and identified on Exhibit "B" attached hereto.

- (5) Said injection wells shall be conversions of existing wells or newly drilled wells as noted on said Exhibit "B".
- (6) The proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.
- (7) The producing formations in the proposed project area are in an advanced stage of depletion and the area is suitable for waterflooding.
- (8) There are five wells within or adjacent to the proposed project which may not have been completed or plugged in a manner which will assure that their wellbores will not serve as a conduit for movement of injected fluid out of the injection interval.
- (9) The five possible problem wells are identified and described on Exhibit "C" attached hereto.
- (10) Prior to instituting injection within one-half mile of any of the five possible "problem wells" Gulf shall first contact the Oil Conservation Division's District Supervisor at Hobbs to develop a plan acceptable to the Director of said Division for repairing or replugging such wells, for monitoring for determination of fluid movement from the injected interval, or for the drilling of replacement producing wells to lower reservoir pressure and fluid levels in order to protect neighboring properties and to protect other oil or gas zones or fresh water.
- (11) The operator should otherwise take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.
- (12) The injection wells or injection pressurization system should be so equipped as to limit injection pressure at the wellhead to no more than 0.2 psi per foot of depth from the surface to the top injection perforation in any injection well, but the Division Director should have authority to increase said pressure limitation, should circumstances warrant.

(13) The subject application should be approved and the project should be governed by the provisions of Rule 701 through 708 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED THAT:

- (1) The applicant, Gulf Oil Corporation, is hereby authorized to institute a waterflood project in the Eunice Monument South Unit Area for the acreage described on Exhibit "A" attached hereto and made a part hereof, by the injection of water into the unitized interval which shall include the formations which extend from an upper limit described as 100 feet below mean sea level or at the top of the Grayburg formation, whichever is higher, to a lower limit being the base of the San Andres formation said geologic markers having been as found to occur at 3,666 feet to 5,283 feet, respectively, in the Continental Oil Company's Meyer B-4 Well No. 23 located 660 feet from the South line and 1980 feet from the East line of Section 4, Township 21 South, Range 36 East, Lea County, New Mexico.
- (2) Applicant, Gulf Oil Corporation, is hereby authorized to utilize for injection purposes the wells identified and described on Exhibit "B" attached hereto and made a part hereof.
- (3) The injection wells herein authorized and/or the injection pressurization system shall be so equipped as to limit injection pressure at the wellhead to no more than 0.2 psi per foot of depth from the surface to the top injection perforation, provided however, the Division Director may authorize a higher surface injection pressure upon satisfactory showing that such pressure will not result in fracturing of the confining strata.
- (4) Injection into each of said wells shall be through plastic or cement-lined tubing, set in a packer which shall be located as near as practicable to the uppermost perforations, or, in the case of open-hole completions, as near as practicable to the casing-shoe; that the casing-tubing annulus shall be loaded with an inert fluid and equipped with an approved pressure gauge or attention attracting leak detection device.
- (5) Prior to injection into any well located within one-half mile of any of the five wells listed on Exhibit "C" attached to this order, the applicant shall consult with the supervisor of the Oil Conservation Division's district office at Hobbs to develop a plan acceptable to

the Director of said Division, for the repairing, plugging, or replugging of said wells or for the monitoring for determination of fluid movement from the injected interval or for the drilling of producing wells to lower reservoir pressure and fluid levels in the vicinity of said wells in order to protect neighboring properties and to protect other oil or gas zones or fresh water.

- (6) The operator shall immediately notify the supervisor of the Division's Hobbs District Office of the failure of the tubing or packer in any of said injection wells, the leakage of water or oil from around any producing well, or the leakage of water or oil from any plugged and abandoned well within the project area, and shall take such timely steps as may be necessary or required to correct such failure or leakage.
- (7) The authorized subject waterflood project is hereby designated the Eunice Monument South Unit Waterflood Project and shall be governed by the provisions of Rules 701 through 708 of the Commission Rules and Regulations.
- (8) Monthly progress reports of the waterflood projects herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.
- (9) Jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

-5-Case No. 8398 Order No. R-7766

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

JIM BACA, Member

ED KELLEY, Member

R. L. STAMETS, Chairman and Secretary

S E A L

TOWNSHIP 20 SOUTH, RANGE 36 EAST, NMPM

Section 25: All Section 36: All

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM

Section 30: S/2, S/2 N/2, NE/4 NW/4 and NW/4 NE/4

Section 31: All Section 32: All

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM

Section 2: S/2 S/2

Section 3: Lots 3, 4, 5, 6, 11, 12, 13, and 14

and 5/2

Sections 4 through 11: All

Section 12: W/2 SW/4 Section 13: NW/4 NW/4

Sections 14 through 18: All

Section 21: N/2 and N/2 S/2

Section 22: N/2 and N/2 S/2

CASE NO. 8398 ORDER NO. R-7766 EXHIBIT "A"

179	D	3	21	36	
181	В	4	21	36	
183	ā		21	36	
185	B	4 5 5 6	21	36	
187	Ď	Š	21	36	
189	B	6	21	36	
191	D	6	21	36	
193	F	6	21	36	
195	H	6	21 21	36	,
197	F	5	~ *	36	
199	H	5 5 4	21	30	
201	F	Ā	21	36	
203	F H		21	36 36	
205	F	4 3 3	21	36	47
207	F L	3	21	36	N
209	J	4	21	36	
211	. L	4	21	36	
213	· L J	5	21	36	
215	L	5 5 6	21 21	36	
217	<u>.</u>	6	21	36	
219	Ĺ	6	21	36	N
221	N	6	21	36	14
223	P	6	21	' 36	
225	N	5	21	36	
227	P	5 5 4	21	36	
229	N	4	21	36	
231	P	4	21	36 36 36	
233	N	3	21	36	
235	R	3	21	36	N
237	T	3	21	36	N
239	R	3 3 3 4	21	36	
241	T·	4	21	36	
243	R	5	21	36	
245	T	- 5	21	36	
247	R	6	21	36	•

CASE NO. 8398
ORDER NO. R-7766
EXHIBIT "B"

UNIT WELL NO.	UNIT LETTER	SECTIO	N-TOWNSHII SOUTH	P-RANGE EAST	NEW WELL
101	С	30	20	37	N
102	A	25	20	36	
104	С	25	- 20	36	
106	E	25	20	36	
108	G	25	20	36	
110	E	30	20	37	
112	G.	30	20`	37	
114	I	30	20	· 37	
116	K	30	20	37	
118	I	2 5	20	36	
120	K	25	20	36	
122	M	25	20	36	
. 124	0	25	20	36	
126	M	30	20	37	
128	0	30	20	37	
130	Α.	32	20	3 <i>7</i>	N
132	С	32	20	37	IN
134	Ä.	31	20	37	
136	C.	31	20	37	
138	A	36	20	36	
140	C	36	20	36	
142	E	36	20	36	
144	Ğ	36	20	36	
146	Ē	31	20	37	
148 .	Ğ	31	20	37	
150	E	32	20	37 37	
152	Ğ	32	20	37	
154	Ĭ	32	20	37	17
156	ĸ	32	20	37	N
158	Ï .	31	20	3 <i>7</i> 37	
160	ĸ	31	20		
162	I	36	20	37	•
164	ĸ	36		36	
166	M	36	20	36	
168	м О	36	20	36	
170	M		20	36	
170		31	20	37	
174	0	31	20	37	
	M	32	20	37	
176	О	32	20	37	

CASE NO. 8398 ORDER NO. R-7766 EXHIBIT "B"

301 H 9 21 36 303 F 10 21 36 305 H 10 21 36 307 F 11 21 36 309 H 11 21 36 310 L 12 21 36 312 J 11 21 36 314 L 11 21 36 315 J 10 21 36 316 J 10 21 36 318 L 10 21 36 320 J 9 21 36 322 L 9 21 36	249 251 253 255 257 259 261 263 265 267 269 271 273 275 277 279 281 283 285 287 289 291 293 295	TVXVXVXVXVXXVXBDBDBDBDBDBDBDBDBDBDBDBDBDB	6 6 6 5 5 4 4 3 3 2 2 11 11 10 9 9 8 8 7 7	21 21 21 21 21 21 21 21 21 21 21 21 21 2	36 36 36 36 36 36 36 36 36 36 36 36 36 3
287 289 D 7 21 36 289 D 7 21 36 291 F 7 21 36 293 H 7 21 36 295 F 8 21 36 297 H 9 21 36 301 H 9 21 36 303 F 10 21 36 305 H 10 21 36 307 F 11 21 36 309 H 11 21 36 310 L 12 21 36 312 J 11 21 36 314 L 11 21 36 318 J 310 J 21 36 318 J 310 J 310 J 310 J 311 J 312 J 3136 J 312 J 314 J 316 J 317 J 318 J 318 J 318 J 319 J 310 J 310 J 310 J 310 J 311 J 312 J 3136 J 316 J 317 J 318 J 318 J 318 J 319 J 310 J 310 J 310 J 310 J 311 J 311 J 312 J 3136 J 318 J 310 J	281	D .	9 9	21 21	36 36
287 289 D 7 21 36 289 D 7 21 36 291 F 7 21 36 293 H 7 21 36 295 F 8 21 36 297 H 9 21 36 301 H 9 21 36 303 F 10 21 36 305 H 10 21 36 307 F 11 21 36 309 H 11 21 36 310 L 12 21 36 312 J 11 21 36 314 L 11 21 36 318 J 310 J 21 36 318 J 310 J 310 J 310 J 311 J 312 J 3136 J 312 J 314 J 316 J 317 J 318 J 318 J 318 J 319 J 310 J 310 J 310 J 310 J 311 J 312 J 3136 J 316 J 317 J 318 J 318 J 318 J 319 J 310 J 310 J 310 J 310 J 311 J 311 J 312 J 3136 J 318 J 310 J	283			21	36
287 289 D 7 21 36 291 F 7 21 36 293 H 7 21 36 295 F 8 21 36 297 H 8 21 36 297 H 8 21 36 297 F 9 21 36 301 H 9 21 36 303 F 10 21 36 305 H 10 21 36 307 F 11 21 36 309 H 11 21 36 310 L 12 21 36 312 J 11 21 36 314 L 11 21 36 318 L 10 21 36 318 320 J 9 21 36	285		8	21	36
289 D 7 21 36 291 F 7 21 36 293 H 7 21 36 295 F 8 21 36 297 H 8 21 36 299 F 9 21 36 301 H 9 21 36 303 F 10 21 36 305 H 10 21 36 307 F 11 21 36 309 H 11 21 36 310 L 12 21 36 312 J 11 21 36 314 L 11 21 36 318 L 10 21 36 320 J 9 21 36	287		7	21	36
293 H 7 21 36 295 F 8 21 36 297 H 8 21 36 299 F 9 21 36 301 H 9 21 36 303 F 10 21 36 305 H 10 21 36 307 F 11 21 36 309 H 11 21 36 310 L 12 21 36 312 J 11 21 36 314 L 11 21 36 318 L 10 21 36 320 J 9 21 36	289		7	21	36
301 H 9 21 36 303 F 10 21 36 305 H 10 21 36 307 F 11 21 36 309 H 11 21 36 310 L 12 21 36 312 J 11 21 36 314 L 11 21 36 315 J 10 21 36 316 J 10 21 36 318 L 10 21 36 320 J 9 21 36	291	F	7	21	
301 H 9 21 36 303 F 10 21 36 305 H 10 21 36 307 F 11 21 36 309 H 11 21 36 310 L 12 21 36 312 J 11 21 36 314 L 11 21 36 315 J 10 21 36 316 J 10 21 36 318 L 10 21 36 320 J 9 21 36		Ħ	7	21	36
301 H 9 21 36 303 F 10 21 36 305 H 10 21 36 307 F 11 21 36 309 H 11 21 36 310 L 12 21 36 312 J 11 21 36 314 L 11 21 36 315 J 10 21 36 316 J 10 21 36 318 L 10 21 36 320 J 9 21 36	295		8	21	36
301 H 9 21 36 303 F 10 21 36 305 H 10 21 36 307 F 11 21 36 309 H 11 21 36 310 L 12 21 36 312 J 11 21 36 314 L 11 21 36 315 J 10 21 36 316 J 10 21 36 318 L 10 21 36 320 J 9 21 36	291	H ·		21 .	36
303 F 10 21 36 305 H 10 21 36 307 F 11 21 36 309 H 11 21 36 310 L 12 21 36 312 J 11 21 36 314 L 11 21 36 316 J 10 21 36 318 L 10 21 36 320 J 9 21 36				21	36
305 H 10 21 36 307 F 11 21 36 309 H 11 21 36 310 L 12 21 36 312 J 11 21 36 314 L 11 21 36 316 J 10 21 36 318 L 10 21 36 320 J 9 21 36				21	36
314 L 11 21 36 316 J 10 21 36 318 L 10 21 36 320 J 9 21 36			10	21	36
314 L 11 21 36 316 J 10 21 36 318 L 10 21 36 320 J 9 21 36			11	21	36.
314 L 11 21 36 316 J 10 21 36 318 L 10 21 36 320 J 9 21 36			11	21	36
314 L 11 21 36 316 J 10 21 36 318 L 10 21 36 320 J 9 21 36	310		12	21	36
316 J 10 21 36 318 L 10 21 36 320 J 9 21 36			11	21	36
318 L 10 21 36 320 J 9 21 36	314		11	21	36
320 J 9 21 36 322 L 9 21 36 324 J 8 21 36			10	21	36
322 L 9 21 36 324 J 8 21 36		J		21	36 36
324 J 8 21 36	322		9	21	3 <i>6</i>
	324	J	8	21	36

CASE NO. 8398 ORDER NO. R-7766 EXHIBIT "B"

326	. L	8	21	36	
328	J	7	21	36	
330	L	7	21	36	
332	N	7	21	36	
334	Þ	7	21	36	
336	N	8	21	36	
338	P	8 .	21	36	
340	N	. 9	21	36	
342	P	9	21	36	•
344	· N	10	21	36	
346	P .	10	21	36	
348	N	11	21	36	
350	P	11	21	36	
352	D	13	21	36	
354	В	14	21	36	
356	D	14	21	36	
358	· B	15	. 21	36	
360	D .	15	21	36	
362	В	16	21	36	
364	D	16	21	36	
366	B	17	21	36	
368	D	17	21	36	
370	В	18	21	36	
372	D	18	21	36	
374	F	18	21	36	
376	H	18	21	36	
378	F	17	21	36	
380	H	17	21	36	
382	F	16	21	36	
384	H	16	21	- 36	
386	F	15	21	36	
388	H	15 .	21	36	
390	F	14	21	36	
392	H	14	21	36	
394	J	14	21	36	
396	L	14	21	36	
398.	, J	15	21	36	
400	L	15	21	36	
402	J	16	21	36	
404	L	. 16	21	36	

CASE NO. 8398 ORDER NO. R-7766 EXHIBIT "B" N

406	J	17	21	36
408	L	17	21	36
410	J	18	21	36
412	Ĺ	18	21	36
414	N	18	21	36
416	P	18	21	36
418	N	17	21	36
420	P	17	21	
422	N	16		36
424	P	16	21	36
426	N	15	21	36
428	P		21	36
430	N	15	21	36
432		14	21	36
434	P	14	21	36
434	В	22:	21	36
	D	22	21	36
438	В	21	21	36
440	D	21	21	36
442	F	21	21	36
444	H	21	21	36 -
446	F	22	21	36
448	H .	22	21	36
450	J	22	21	36
454	J.	21	21	36
456	L	21	21	36
452	L .	22	21	36
		•		

CASE 8398 ORDER NO. R-8398 EXHIBIT "B"

- (1) Amoco Production Co. State "C" Tr. 11 Well No. 3 located 1980 feet from the South line and 1980 feet from the East line of Section 2, Township 21 South, Range 36 East;
- (2) Amoco Production Co. State "C" Tr. 11 Well No. 4
 located 3300 feet from the South line and 1980 feet from
 the East line of Section 2, Township 21 South, Range 36
 East;
- (3) Texas Crude Oil Co. Kincheloe 2 State Well No. 1 located 1980 feet from the South line and 1980 feet from the West line of Section 2, Township 21 South, Range 36 East:
- (4) El Paso Natural Gas Co. Coleman Well No. 1 located 2310 feet from the South line and 2310 feet from the East line of Section 17, Township 21 South, Range 36 East;
- (5) Texaco Inc. New Mexico "H" NCT-1 Well No. 28, a dry hole, located 990 feet from the South line and 660 feet from the East line of Section 31, Township 20 South, Range 37 East;
- all in Lea County, New Mexico.

CASE NO. 8398 Order No. R-7766 EXHIBIT "C"

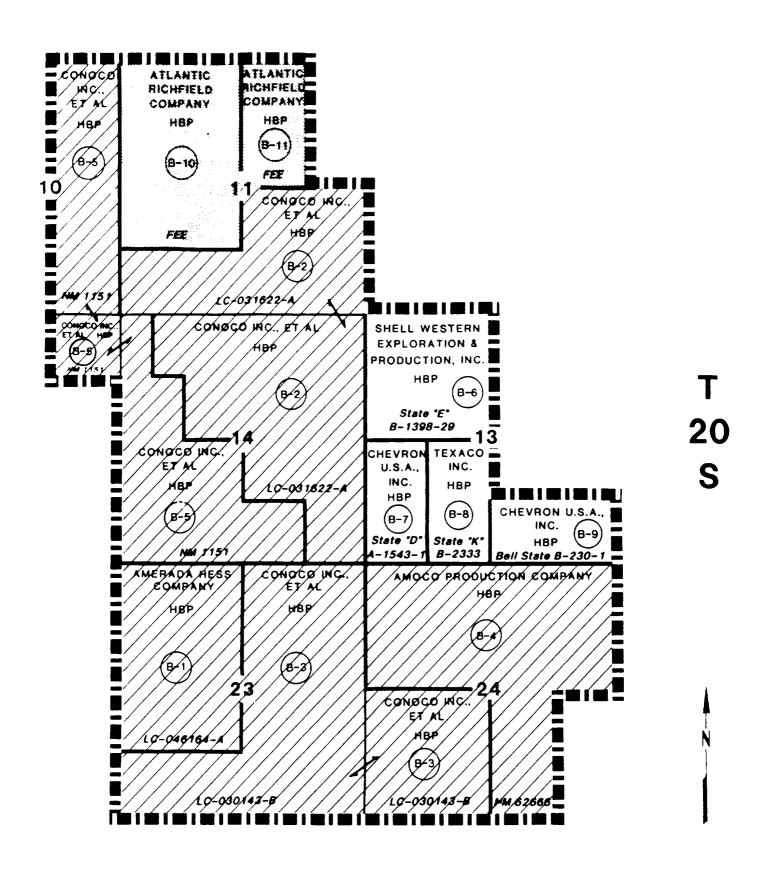
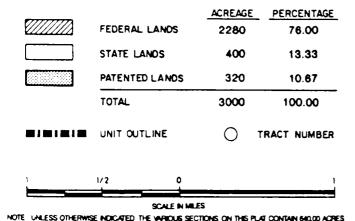


EXHIBIT "C"



EUNICE MONUMENT SOUTH UNIT EXPANSION AREA "B"

LEA CO., NEW MEXICO
UNIT EFFECTIVE 2-1-85
EXPANDED/REV. - -90

CHEVRON U.S.A. INC. HOUSTON, TEXAS

EXHIBIT "D"

LEA COUNTY, NEW MEXICO

ORIGINAL UNIT AREA A

TOWNSHIP 20 SOUTH, RANGE 36 EAST, N.M.P.M.

Section 25: All Section 36: All

TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.P.M.

Section 30: S/2, S/2 N/2, NE/4 NW/4 and NW/4 NE/4

Section 31: All Section 32: All

TOWNSHIP 21 SOUTH, RANGE 36 EAST N.M.P.M.

Section 2: S/2 S/2

Section 3: Lots 3, 4, 5, 6, 11, 12, 13, and 14

and S/2

Section 4 through 11: All

Section 12: W/2 SW/4 Section 13: NW/4 NW/4 Sections 14 through 18: All Section 21: N/2 and N/2 S/2 Section 22: N/2 and N/2 S/2

EXPANSION AREA B

TOWNSHIP 20 SOUTH, RANGE 36 EAST, N.M.P.M.

Section 10: E/2 E/2

Section 11: W/2, W/2 NE/4, SE/4

Section 13: W/2, S/2 SE/4

Section 14: All

Section 15: NE/4 NE/4

Section 23: All

Section 24: N/2, SW/4, W/2 SE/4

Case XXXX Order No. R - XXXX

EXHIBIT "E"

Unit Expansion Area B

B50	Unit Well No.	Unit Letter	Section -	- Township - South	Range East	New Well
SS2	850	В	1. 1.	20	36	
859 A 10 20 36 854 H 10 20 36 855 E 11 20 36 855 F 11 20 36 857 G 11 20 36 857 G 11 20 36 859 J 11 20 36 860 K 11 20 36 861 L 11 20 36 862 I 10 20 36 863 P 10 20 36 864 M 11 20 36 865 N 11 20 36 866 O 11 20 36 867 P 11 20 36 868 C 13 20 36 869 D 36 36 877 G 14 20 36 878 H 14 20 36 879 E 13 20 36 881 K 13 20 36 881 K 13 20 36 883 I 14 20 36 883 I 14 20 36 884 J 14 20 36 885 K 14 20 36 887 M 14 20 36 887 M 14 20 36	851	С	3. 1.	20	36	
854 H 10 20 36 855 E 11 20 36 856 F 11 20 36 857 G 11 20 36 858 I 11 20 36 859 J 11 20 36 860 K 11 20 36 861 L 11 20 36 862 I 10 20 36 863 P 10 20 36 864 M 11 20 36 865 N 11 20 36 865 N 11 20 36 866 0 11 20 36 867 P 11 20 36 868 C 13 20 36 869 D 13 20 36 870 A 14 20 36 873 D 14 <td< td=""><td></td><td>D</td><td>1.1.</td><td>20</td><td>36</td><td></td></td<>		D	1.1.	20	36	
855 E 11 20 36 856 F 11 20 36 857 G 11 20 36 858 I 11 20 36 859 J 11 20 36 860 K 11 20 36 861 L 11 20 36 863 P 10 20 36 863 P 10 20 36 864 M 11 20 36 865 N 11 20 36 866 O 11 20 36 866 O 11 20 36 866 O 11 20 36 867 P 11 20 36 869 D 13 20 36 871 B 14 20 36 872 C 14 20 36 873 D 14 <td< td=""><td>859</td><td>A</td><td>1. O</td><td>20</td><td>36</td><td></td></td<>	859	A	1. O	20	36	
856	854	H	1. O	20	36	
857 G 11 20 36 858 I 11 20 36 859 J 11 20 36 860 K 11 20 36 861 L 11 20 36 862 I 10 20 36 863 P 10 20 36 864 M 11 20 36 865 N 11 20 36 866 D 11 20 36 867 P 11 20 36 867 P 11 20 36 867 P 11 20 36 868 C 13 20 36 870 B 14 20 36 871 B 14 20 36 873 D 14 20 36 874 A 15 20 36 877 G 14 <td< td=""><td>855</td><td>E</td><td>1. 1.</td><td>20</td><td>96</td><td></td></td<>	855	E	1. 1.	20	96	
857 G	856	Ł.	1. 1.	20	36	
859 J		G	1. 1.	20	36	
860 K 11 20 36 861 L 11 20 36 862 I 10 20 36 863 P 10 20 36 864 M 11 20 36 865 N 11 20 36 866 D 11 20 36 867 P 11 20 36 868 C 13 20 36 869 D 13 20 36 870 A 14 20 36 871 B 14 20 36 872 C 14 20 36 873 D 14 20 36 874 A 15 20 36 875 E 14 20 36 877 G 14 20 36 879 E 13 20 36 880 F 13 <td< td=""><td>858</td><td>\mathbf{x}</td><td>1. 1.</td><td>20</td><td>36</td><td></td></td<>	858	\mathbf{x}	1. 1.	20	36	
861 L 11 20 36 862 I 10 20 36 863 P 10 20 36 864 M 11 20 36 865 N 11 20 36 866 O 11 20 36 867 P 11 20 36 868 C 13 20 36 869 D 13 20 36 870 A 14 20 36 871 B 14 20 36 872 C 14 20 36 873 D 14 20 36 874 A 15 20 36 875 E 14 20 36 876 F 14 20 36 879 E 13 20 36 879 E 13 20 36 880 F 13 <td< td=""><td>859</td><td>J</td><td>1.1</td><td>20</td><td>36</td><td></td></td<>	859	J	1.1	20	36	
862 I 10 20 36 863 P 10 20 36 864 M 11 20 36 865 N 11 20 36 866 O 11 20 36 867 P 11 20 36 868 C 13 20 36 869 D 13 20 36 870 A 14 20 36 871 B 14 20 36 872 C 14 20 36 873 D 14 20 36 874 A 15 20 36 875 E 14 20 36 876 F 14 20 36 879 E 13 20 36 879 E 13 20 36 880 F 13 20 36 881 K 13 <td< td=""><td>860</td><td>K</td><td>1.1</td><td>20</td><td>36</td><td></td></td<>	860	K	1.1	20	36	
863 P 10 20 36 864 M 11 20 36 865 N 11 20 36 866 O 11 20 36 867 P 11 20 36 868 C 13 20 36 869 D 13 20 36 870 A 14 20 36 871 B 14 20 36 872 C 14 20 36 873 D 14 20 36 874 A 15 20 36 875 E 14 20 36 876 F 14 20 36 877 G 14 20 36 879 E 13 20 36 880 F 13 20 36 881 K 13 20 36 883 I 14 <td< td=""><td>861</td><td>L</td><td>1.1</td><td>20</td><td>36</td><td></td></td<>	861	L	1.1	20	36	
864 M 11 20 36 865 N 11 20 36 866 O 11 20 36 867 P 11 20 36 868 C 13 20 36 869 D 13 20 36 870 A 14 20 36 871 B 14 20 36 872 C 14 20 36 873 D 14 20 36 874 A 15 20 36 875 E 14 20 36 876 F 14 20 36 879 E 13 20 36 880 F 13 20 36 880 F 13 20 36 882 L 13 20 36 883 I 14 20 36 884 J 14 <td< td=""><td>862</td><td>1.</td><td>1.0</td><td>20</td><td>36</td><td></td></td<>	862	1.	1.0	20	36	
865 N 11 20 36 866 0 11 20 36 867 P 11 20 36 868 C 13 20 36 869 D 13 20 36 870 A 14 20 36 871 B 14 20 36 872 C 14 20 36 873 D 14 20 36 874 A 15 20 36 875 E 14 20 36 876 F 14 20 36 877 G 14 20 36 879 E 13 20 36 880 F 13 20 36 881 K 13 20 36 882 L 13 20 36 883 I 14 20 36 885 K 14 <td< td=""><td>869</td><td>р</td><td>1. O</td><td>20</td><td>36</td><td></td></td<>	869	р	1. O	20	36	
866	864	M	1. 1.	20	36	
867 P 11 20 36 868 C 13 20 36 869 D 13 20 36 870 A 14 20 36 871 B 14 20 36 872 C 14 20 36 873 D 14 20 36 874 A 15 20 36 875 E 14 20 36 876 F 14 20 36 877 G 14 20 36 879 E 13 20 36 880 F 13 20 36 881 K 13 20 36 882 L 13 20 36 883 I 14 20 36 884 J 14 20 36 885 K 14 20 36 886 L 14 <td< td=""><td>865</td><td>N</td><td>1. 1.</td><td>20</td><td>96</td><td></td></td<>	865	N	1. 1.	20	96	
868 C 13 20 36 869 D 13 20 36 870 A 14 20 36 871 B 14 20 36 872 C 14 20 36 873 D 14 20 36 874 A 15 20 36 875 E 14 20 36 876 F 14 20 36 877 G 14 20 36 878 H 14 20 36 879 E 13 20 36 880 F 13 20 36 881 K 13 20 36 882 L 13 20 36 883 I 14 20 36 884 J 14 20 36 885 K 14 20 36 887 M 14 <td< td=""><td>866</td><td>O</td><td>1.1.</td><td>20</td><td>36</td><td></td></td<>	866	O	1.1.	20	36	
869 D 13 20 36 870 A 14 20 36 871 B 14 20 36 872 C 14 20 36 873 D 14 20 36 874 A 15 20 36 875 E 14 20 36 876 F 14 20 36 877 G 14 20 36 879 E 13 20 36 880 F 13 20 36 881 K 13 20 36 882 L 13 20 36 883 I 14 20 36 884 J 14 20 36 885 K 14 20 36 886 L 14 20 36 887 M 14 20 36 888 N 14 <td< td=""><td>867</td><td>þ</td><td>1. 1.</td><td>20</td><td>36</td><td></td></td<>	867	þ	1. 1.	20	36	
870	868	C	1.3	20	36	
871 B 14 20 36 872 C 14 20 36 873 D 14 20 36 874 A 15 20 36 875 E 14 20 36 876 F 14 20 36 877 G 14 20 36 878 H 14 20 36 879 E 13 20 36 880 F 13 20 36 881 K 13 20 36 882 L 13 20 36 883 I 14 20 36 884 J 14 20 36 885 K 14 20 36 886 L 14 20 36 887 M 14 20 36 N	869	Cl	1.3	20	36	
872 C 14 20 36 873 D 14 20 36 874 A 15 20 36 875 E 14 20 36 876 F 14 20 36 877 G 14 20 36 878 H 14 20 36 879 E 13 20 36 880 F 13 20 36 881 K 13 20 36 882 L 13 20 36 883 I 14 20 36 884 J 14 20 36 885 K 14 20 36 886 L 14 20 36 887 M 14 20 36 888 N 14 20 36	870	A	1.4	20	36	
873 D 14 20 36 874 A 15 20 36 875 E 14 20 36 876 F 14 20 36 877 G 14 20 36 878 H 14 20 36 879 E 13 20 36 880 F 13 20 36 881 K 13 20 36 882 L 13 20 36 883 I 14 20 36 884 J 14 20 36 885 K 14 20 36 886 L 14 20 36 N 888 N 14 20 36 N	871	В	14	20	96	
874 A 15 20 36 875 E 14 20 36 876 F 14 20 36 877 G 14 20 36 878 H 14 20 36 879 E 13 20 36 880 F 13 20 36 881 K 13 20 36 882 L 13 20 36 883 I 14 20 36 884 J 14 20 36 885 K 14 20 36 886 L 14 20 36 887 M 14 20 36 888 N 14 20 36	872	C	1.4	2:0	36	
875 E 14 20 36 876 F 14 20 36 877 G 14 20 36 878 H 14 20 36 879 E 13 20 36 880 F 13 20 36 881 K 13 20 36 882 L 13 20 36 883 I 14 20 36 884 J 14 20 36 885 K 14 20 36 886 L 14 20 36 N 887 M 14 20 36 N 888 N 14 20 36 N	873	D	14	20	96	
876 F 14 20 36 877 G 14 20 36 878 H 14 20 36 879 E 13 20 36 880 F 13 20 36 881 K 13 20 36 882 L 13 20 36 883 I 14 20 36 884 J 14 20 36 885 K 14 20 36 887 M 14 20 36 888 N 14 20 36	874	A	1.5	20	36	
877 G 14 20 36 878 H 14 20 36 879 E 13 20 36 880 F 13 20 36 881 K 13 20 36 N 882 L 13 20 36 N 883 I 14 20 36 N 884 J 14 20 36 N 885 K 14 20 36 N 887 M 14 20 36 N 888 N 14 20 36 N	875	E	1.4	20	36	
878 H 14 20 36 879 E 13 20 36 880 F 13 20 36 881 K 13 20 36 N 882 L 13 20 36 N 883 I 14 20 36 N 884 J 14 20 36 N 885 K 14 20 36 N 887 M 14 20 36 N 888 N 14 20 36 N	876	l :	14	20	36	
879 E 13 20 36 880 F 13 20 36 881 K 13 20 36 N 882 L 13 20 36 N 883 I 14 20 36 S S 884 J 14 20 36 S </td <td>877</td> <td>G</td> <td>1.4</td> <td>20</td> <td>36</td> <td></td>	877	G	1.4	20	36	
880 F 13 20 36 N 881 K 13 20 36 N 882 L 13 20 36 883 I 14 20 36 884 J 14 20 36 885 K 14 20 36 886 L 14 20 36 887 M 14 20 36 888 N 14 20 36	878	1-1	1.4	20	36	
881 K 13 20 36 N 882 L 13 20 36 883 I 14 20 36 884 J 14 20 36 885 K 14 20 36 886 L 14 20 36 887 M 14 20 36 888 N 14 20 36	879	Æ	13	50	36	
882 L 13 20 36 883 I 14 20 36 884 J 14 20 36 885 K 14 20 36 886 L 14 20 36 887 M 14 20 36 N 888 N 14 20 36	880	₽.	13	20	36	
883 I 14 20 36 884 J 14 20 36 885 K 14 20 36 886 L 14 20 36 887 M 14 20 36 N 888 N 14 20 36	881	к	13	50	36	И
884 J 14 20 36 885 K 14 20 36 886 L 14 20 36 887 M 14 20 36 N 888 N 14 20 36	882	L	13	20	36	
885 K 14 20 36 886 L 14 20 36 887 M 14 20 36 N 888 N 14 20 36	883	r.	14	20	36	
886 L 14 20 36 887 M 14 20 36 N 888 N 14 20 36	884	J	14	20	36	
887 M 14 20 36 N 888 N 14 20 36	885	К	14			
888 N 14 20 36	886	L.	1.4	20	36	
	887	М	1.4	20		N
889 0 14 20 36	888	N	14	20	36	
	889	O	14	20	36	

890	p	1.4	20	36	
891	М	19	20	36	
892	N	1.3	20	96	N
893	Ð	13	20	36	
894	р	13	20	36	И
895	A	24	20	36	
896	В	24	20	36	
897	C	24	50	36	
898	D	24	20	36	
899	A	23	20	36	
900	В	23	20	36	
901.	C	29	20	36	
902	D	23	20	36	
903	E	23	20	36	
904	h	23	20	36	
905	G	23	20	36	
906	l-I	23	20	36	
907	le:	24	20	36	
908	F	24	50	36	
909	G	24	20	96	
910	H	24	50	36	
911	J	24	20	36	
912	к	24	20	36	
913	L	24	20	36	
914	T.	23	50	36	
915	J	29	20	36	
916	К	29	20	36	
917	i	23	20	36	
918	M	23	20	36	
919	N	23	20	36	
920	O	23	20	36	
921	P	23	20	36	
922	M	24	20	36	
923	N	24	20	96	
924	O	24	20	36	N

PROPOSED EUNICE MONUMENT SOUTH UNIT EXPANSION AREA B PROPOSED INJECTION WELLS

LOCATION DATA

PROPOSED						
WELLNO	: LEASE NAME	:WELLNO	: FOOTAGE	UNIT/SEC./T/R	: OPERATOR	FIELD/POOL :
	•	•				•
EMSU 851 WIC	IWILLIAM P. BYRD		; 330' FML & 2310' FWL			EUNICE MONUMENT G/SA:
EMSU 853 WIC	:SANDERSON 'B-1'		: 660, EMF # 330, EEF	A-10-203-36E	•	EUNICE NONUMENT G/SA:
EMSU 855 WIC	BYRD GAS COM		: 1650' FNL & 330' FWL	E-11-20S-36E		EUMONT Y.7R'S.Q(GAS):
ENSU 657 WIC	MARY J. BYRD		1 2310' FML & 2310' FEL	G-11-20S-36E		EUNICE MONUMENT G/SA:
ENSU 858 MIC	ISANDERSON 'A'		: 1980' FSL & 660' FEL	1-11-203-36E	·	EUNICE MONUMENT G/SA:
EMSU 860 WIC	IWILLIAM P. BYRD		: 1650' FSL & 2310' FWL	K-11-208-36E		EURICE NONUMENT G/SA:
EMSU 862 WIC	:SANDERSON 'B-1'		: 2310' FSL & 330' FEL	1-10-205-36E		EUNICE MONUMENT G/SA:
ENSU 864 MIC	SANDERSON 'A'		: 990, EST # 990, EMF	H-11-208-36E	•	EUNICE MONUMENT G/SA;
ENSU 866 WIC	SAMBERSON 'A'		: 990' FSL & 1650' FEL	0-11-208-36E	•	EUN.MON G/SA,EDMONT :
ENSU 868 MIC	ISTATE 'E'	1 1	: 660, LMF # 1880, LMF	C-13-208-36E		EUNICE MONUMENT G/SA:
ENSU 870 WIC	SANDERSON 'A'		: 660' FML & 660' FEL	A-14-208-36E		EUNICE MONUMENT G/SA:
EMSU 872 WIC	SANDERSON 'A'		: 330' FML & 2310' FWL	C-14-20S-36E		EUNICE MONUMENT G/SA:
ENSU 874 WIC	SANDERSON 'B-1'	1 1	1 330' FML & 330' FEL	A-15-208-36E		EUNICE MONUMENT G/SA:
EMSU 875 WIC	SANDERSON 'B14'		1450' FNL & 990' FWL	E-14-20S-36E		EUMONT Y,7R'S,Q(01L);
EMSU 877 WIC	ISANDERSON 'A'	1 13	1 1450' FNL & 1450' FEL	6-14-20S-34E	•	(EUN.MON./EUMONT GAS);
EMSU 879 WIC	STATE 'E'	1 4	1 1980' FML & 680' FWL	E-13-208-36E		EUNICE MONUMENT G/SA:
EMSU 883 WIC	SANDERSON 'A'	1 10	: 1980' FSL & 660' FEL	1-14-208-36E		EUNICE MONUMENT G/SA:
EMSU 885 WIC	SANDERSON 'B14'	: 2	: 2310' FSL & 2310' FWL	K-14-20S-36E		EUNICE NORUMENT G/SA:
EN20 888 AIC	SANDERSON 'B14'	1 1	1 990' FSL & 1650' FEL	0-14-203-36E	•	LEUNICE MONUMENT G/SA:
ENSU 891 WIC	GRAHAM STATE NCT-H	; 2	: 660' FSL 1 660' FWL	N-13-208-36E		EUNICE MONUMENT G/SA:
ENSU 893 WIC	IR. R. BELL MCT-G	; 2	: 660' FSL & 1980' FEL	0-13-208-36E	ICHEVRON USA	LEUNICE MONUMENT G/SAL
EMSU 845 WIC	GILLULLY 'A' FEDL.	1 2	: 660, EMT # 680, EET	A-24-20S-36E		LEUNICE MONUMENT G/SA:
EMSU 897 WIC	GILLULLY 'A' FEDL.	; 9	: 660' FNL & 1980' FWL	C-24-208-36E		LEUNICE MONUMENT G/SAL
ENSU 899 WIC	IREED 'B'	1 1	: 330' FML & 330' FEL	A-23-20S-36E		EUNICE MONUMENT G/SA:
ENSU 901 WIC	TH. W. ANDREWS	; 7	: 660' FNL & 2310' FWL	C-23-20S-36E		EUMONT Y, 7R'S, Q
ENSU 943 WIC	IH. W. ANDREWS	; 10 ; 8	; 1980' FNL & 660' FWL ; 1980 FNL & 1650' FEL	E-23-208-36E G-23-208-36E		LEUMONT Y,7R'S,0
ENSU 905 WIC	:REED '8' :GILLULLY 'A' FEDL.	: 14	1 1880, EMF # 880, EMF	E-24-205-36E		EUMONT Y, 7R'S, Q : LEUNICE MONUMENT G/SA:
ENSU 909 WIC	GILLULLY 'A' FEDL.	1 11	: 1980' FML & 1980' FEL	6-24-20S-36E		LEUNICE MONUMENT G/SA:
EMSU 912 WIC	IREED 'B'	1 12	: 1980' FSL & 1980' FWL		CONOCO, INC.	:EUN.MON/EUMONT GAS
ENSU 914 WIC	IREED '8'	1 5	: 1980' FSL & 330' FEL	1-23-20S-36E	CONOCO, INC.	EUMONT Y,7R'S,Q
EMSU 916 WIC	TH. W. ANDREWS	; 9	: 1980' FSL & 1980' FWL	K-23-205-36E	AMERADA HESS	LEUMONT Y,7R'S,0
EMSU 918 WIC	IREED '8'	; 9	; 660' FSL & 660' FWL	N-23-203-36E	CONOCO, INC.	EUMONT Y,7R'S,Q
EMSU 920 WIC	SEED .B.	. 6	; 990' FSL & 1650' FEL	0-23-20S-36E	CONOCO, INC.	:EUMONT Y,7R'S,Q :
ENSU 922 WIC	IREED 'B'	; 13	; 660' FSL & 990' FWL	M-24-208-36E	CONOCO, INC.	LEUNICE MONUMENT G/SA:
CHOU JEE HIL	INLLY D		1 444 105 # 344 1MF	# 54 740 84F	. Januari Ing.	

PROPOSED NEW INJECTION WELLS

PROPOSED			
WELLNO	TENTATIVE LOCATION		
ENSU 881 WI	1935' FSL & 705' FWL	SEC.13 T205 R36E	(UNIT K) LEA COUNTY, NEW MEXICO
ENSU 487 WI	660' FSL & 660' FWL S	SEC.14 T248 R36E	(UNIT M) LEA COUNTY, NEW MEXICO
ENSU 924 W1	705' FSL & 2025' FEL	SEC.24 T208 R36E	(UNIT O) LEA COUNTY, NEW MEXICO

Edward H. Klein Estate P. O. Box 1502 Hobbs, New Mexico 88240

Delbert Dale & Jimmy T. Cooper Box 421 Monument, NM 88265

State of New Mexico Commissioner of Public Lands P. O. Box 1148 Santa Fe, NM 87504

ATTN: Mr. Floyd Prondo

United States Dept. of Interior Bureau of Land Management Roswell District Office P. O. Box 1397 Roswell, NM 88201

ATTN: Mr. Armando Lopez

United States Dept. of Interior Bureau of Land Management Roswell District Office P. O. Box 1397 Roswell, NM 88201

ATTN: Mr. Armando Lopez

State of New Mexico Commissioner of Public Lands P. O. Box 1148 Santa Fe, NM 87504

ATTN: Mr. Floyd Prondo

State of New Mexico
Department of Energy & Minerals
Oil Conservation Division
District 1
P. O. Box 1980
Hobbs, NM 88240

ATTN: Mr. Jerry Sexton

Durham, Inc. P. O. Drawer 273 Midland, TX 79702 Texaco Producing, Inc. P. O. Box 46555 Denver, CO. 80201-6555

Elliot Oil Co. P. O. Box 1355 Roswell, NM 88202

Two States Oil Company Suite 960 Thanksgiving Tower Dallas, TX 75201

Greenhill Petroleum 16010 Barker's Point Lane Suite 325 Houston, TX 77079

Warrior Inc. c/o Unique Engineering P. O. Box 5970 Hobbs, NM 88240

Meridian Oil Co. 21 Desta Drive Midland, TX 79705

Mobil Expl. & Prod. U.S. Inc. 12450 Greenspoint Drive Houston, TX 77060-1991

Penroc Oil
P. O. Box 5970
Hobbs, NM 88241

Phillips Petroleum Co. P. O. Box 1967 Houston, TX 77001 Amerada Hess Corporation P. O. Box 2040 Tulsa, OK 74102

ATTN: Mr. J. C. Hefley

Amoco Production Company
P. O. Box 3092
Houston, TX 77253

ATTN: Mr. J. C. Allen

Arco Oil and Gas Company P. O. Box 1610 Midland, TX 79702

ATTN: Mr. D. C. Dodd Mr. J. A. Nicholson

Chevron U.S.A., Inc. P. O. Box 670 Hobbs, NM 88240

ATTN: Mr. J. C. Prindle

Conoco, Inc. 10 Desta Drive West Midland, TX 79705

ATTN: Joint Interest Operations

Shell Western E&P, Inc. P. O. Box 576 Houston, TX 77001

Attn: Mr. J. H. Smitherman

UIL CUNSERVATION DIVISION

POST OFFICE BOX 2018

FORM C-108 Revised 7-1-81

STATE LAND OFFICE BUNDING
SANTA FE, NEW MEXICO BYSOI

SOURCE SUPPLY SOURCES SOURCE SOU

APPLICATION FOR AUTHORIZATION TO INJECT

ı.	Purpose: Applica	Secondary Recovery Pressure Mainte tion qualifies for administrative approval?	enance 2	3]990 94500 ∑no
II.	Operator:	Chevron U.S.A. Inc.	SANT	
	Address:	P.O. Box 670 Hobbs, New Mexico	88240	
	Contact pa	rty: J. D. Dolan	_ Phone:	505-393-4121
111.	Well data:	Complete the data required on the reverse proposed for injection. Additional sheet		
IV.	Is this an If yes, gi	expansion of an existing project? $\overline{\mathbb{X}}$ ye ve the Division order number authorizing th	es 🔲 ne project	no . R-7766 .
٧.	injection	ap that identifies all wells and leases wit well with a one-half mile radius circle dra s circle identifies the well's area of revi	wn around	

- 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:
 - 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
 - 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.).
- Attach appropriate geological data on the injection zone including appropriate lithologic *VIII. 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.
- Attach appropriate logging and test data on the well. (If well logs have been filed Χ. 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.
- Certification XIV.

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief. Title Reservoir Engineer Name: Jimmy D. Dolan Date: Signature:

 If the information required under Sections VI, VIII, X, and XI above has been previously gubmitted, 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.

- 8. 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.

CIV. 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.

Chevron U.S.A. Inc.	<u> </u>	Eunice Monument Sout	i cuit Expansion A	irea b
OPERATOR		LEASE		
WELL NO. FOOTA	AGE LOCATION	SECTION	TOWNSHIP	RANGE
SCHEMATICS			TUBULAR DATA	
GL	-	Surface Casing		
	1300'		Cemented wit feet determined Cemented wit	by <u>Circ.</u>
8' IPC TBG.		TOC Surf Hole Size 7-7/8" Total Depth 4000'	feet determined	
1	2717-2017	Injection interval 3717 feet	to <u>3917</u>	feet
TD 4000'	3717'-3917' w/2 JHPF 4000'	(perforated)		
	w/2 JHPF 4000	·		or in a Nickol Plat
Tubing size 2-3/8"	w/2 JHPF 4000'	(Material)		
Tubing size 2-3/8"	w/2 JHPF 4000	(Material)		
Tubing size 2-3/8" Baker Model AD-1 Ter (Brand and Model) seal). Other Data	w/2 JHPF 4000'	(Material) 3617 fee		et in a <u>Nickel Plat</u> y other casing-tubi
Tubing size 2-3/8" Baker Model AD-1 Ter (Brand and Model) seal). Other Data 1. Name of the in	w/2 JHPF 4000' lined with IPC nsion packer at	(Material) 3617 fee		
Tubing size 2-3/8" Baker Model AD-1 Ter (Brand and Model) seal). Other Data 1. Name of the ing 2. Name of Field of the ingent	w/2 JHPF 4000 lined with IPC nsion packer at jection formation G or Pool (if applicab) well drilled for inj	(Material) 3617 fee rayburg	t (or describe any	
Tubing size 2-3/8" Baker Model AD-1 Ten (Brand and Model) seal). Other Data 1. Name of the ing 2. Name of Field of the ingent	w/2 JHPF 4000' lined with IPC nsion packer at pection formation G or Pool (if applicab) well drilled for injut purpose was the well to the well	(Material) 3617 fee rayburg le) Funice Monument ection? X Yes	t (or describe any	y other casing-tubi

Chevron U.S.A		Eunice Monument Sou		
OPERATOR		LEASE		
WELL NO. Two casing st	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
SCHE	MATICS		TUBULAR DATA	
DF	- 35 83	Surface Casing		
	1350'	Size <u>8-5/8</u> TOC <u>Surf</u> Hole size <u>11</u>	Cemented wit	
· •	1	Long String		
FIPC		Size <u>5-1/2</u> " TOC <u>83</u> Hole Size <u>6-3/4"</u> Total Depth <u>3885</u>	Cemented wit	
	3746 ′−60′	Injection interval 3746 feet (perforated)	to <u>3885</u>	feet
	三 3805'-12' 三 3824'-85'			
TD	3805 -12 = 3824'-85' 3885' 3885' 2-3/8" lined with IPC		SeS	et in a <u>Nickel Plate</u>
Tubing size	3884' 3885' 3885' 1ined with IPC	(Material)		
Tubing size	3884' 3885' 3885' 1ined with IPC	(Material)		
Tubing size	3824'-85' 3885' 3885' 2-3/8" lined with IPC 0-1 Tension packer at fodel)	(Material) 3646 fee		
Tubing size	3884' 3885' 3885' 2-3/8" lined with IPC 2-1 Tension packer at dodel) the injection formation G	(Material) 3646 fee		
Tubing size	3884'-85' 3885' 3885' 2-3/8" lined with IPC O-1 Tension packer at fodel) The injection formation Grield or Pool (if applicab	(Material) 3646 fee rayburg le) Eunice Monument		et in a <u>Nickel Plate</u> v other casing-tubin
Tubing size	3884' 3885' 3885' 2-3/8" lined with IPC 2-1 Tension packer at dodel) the injection formation G	(Material) 3646 fee rayburg le) Eunice Monument ection? Yes X	t (or describe any	
Tubing size	3824'-85' 3885' 3885' 2-3/8" lined with IPC 1 Tension packer at fodel) the injection formation G Tield or Pool (if applicable new well drilled for injection injectio	(Material) 3646 fee rayburg le) Eunice Monument ection? Yes X ll originally drilled? (in any other zone(s)? Li	No Dil Production	v other casing-tubin
Tubing size	3884' 3885' 3885' 2-3/8" lined with IPC 2-1 Tension packer at todel) The injection formation G Tield or Pool (if applicable a new well drilled for inject what purpose was the well ever been perforated	(Material) 3646 fee rayburg le) Eunice Monument ection? Yes X ll originally drilled? (in any other zone(s)? Limited or bridge plug(s) use overlying and/or underlying	No Oil Production ast all such performed)	v other casing-tubi

OPER			Eunice Monument Sout	ir once impunoton i	iiea b	
·) F E IQ	ATOR		LEASE			
WELL		OOTAGE LOCATION	SECTION	TOWNSHIP	RANGE	
Two	-		d casing perforations.			
	SCHEMA			TUBULAR DATA		
	GL - 3	580	Surface Casing			
			Size <u>8-5/8</u> " TOC <u>Surf</u> Hole size <u>11"</u>	Cemented wit		
		1394	Long String			
8° IPC TBG.			Size 5-1/2 " TOC 425 Hole Size 6-3/4" Total Depth 3930'	Cemented wit		
	×	± 3840′-70′	Injection interval 3840 feet		feet	
		3890'	(perforated and ope	en noie)		
Tub i '	TD 39))30'			et in a Nickel	P1 ate
Bake (B	ng size <u>2-3</u> r Model AD-1 rand and Mod	930' 1/8" lined with I Tension packer	PC (Material)		et in a <u>Nickel</u> y other casing-	
Bake (B	ng size <u>2-3</u> r Model AD-1 rand and Mod).	930' 1/8" lined with I Tension packer	PC (Material)	se		
Bake (B	ng size <u>2-3</u> r Model AD-1 rand and Mod). r Data	930' 1/8" lined with I Tension packer	PC (Material) at 3740 fee	se		
Bake (B seal	r Model AD-1 rand and Mod). r Data Name of the	230' 1/8" lined with I Tension packer (el)	PC (Material) at 3740 fee	se		
Bake (B seal Othe	r Model AD-1 rand and Mod). r Data Name of the Name of Fie	P30' Tension packer [el) e injection formation eld or Pool (if application) and well drilled for i	PC (Material) at 3740 fee	set (or describe and		
Bake (B seal Othe	r Model AD-1 rand and Mod). r Data Name of the Name of Fie Is this a r If no, for Has the wel	January Januar	PC (Material) at 3740 fee Grayburg able) Eunice Monument njection? Yes X	No Dil Production	y other casing-	tubi

Chevron U. OPERATOR	S.A. inc.	LEASE Monument Sout	th Unit Expansion Ar	еа в
	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANCE
9	ngs open hole CHEMATICS		TUBULAR DATA	
	SL = 3573'	Surface Casing		
4	250	Size 10-3/4 " TOC Surf Hole size 12-1/4"	Cemented with feet determined by	
	11 85	Intermediate Casing		
3/8° IPC		Size 7-5/8 " TOC Surf Hole size 9-7/8"	Cemented with feet determined by	
10. FBG.		Long String		
	3750'	Size <u>5-1/2</u> " TOC <u>Surf</u> Hole Size <u>6-3/4"</u> Total Depth 3873'	Cemented with feet determined by	
\ (} 7	Injection interval 3750 feet		et
	TD 3873	,		
Baker Model	AD-1 Tension packer at 3 dd Model)	(Material) 3650 fee	t (or describe any o	in a <u>Nickel Plated</u> other casing-tubing
seal). Other <u>Data</u>				
	of the injection formation Gray	burg		
2. Name	or Field or Pool (if applicable)	Eunice Monument		
	s a new well drilled for inject, for what purpose was the well			
	ne well ever been perforated in Dlugging detail (sacks of cement			ted intervals and
	the depth in and name of any over 2600' to top of Eumont for on		ng oil or gas zones	(pools) in this

OPERATOR	. Inc.	Eunice Monument South	Unit Expansion Ar	еа в
		LEASE		
				
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
Three strings	with open hole and casin	g perforations.		
SCHE!	MATICS	T	UBULAR DATA	
DF	3600	_		
		Surface Casing		
	285	Size 10-3/4 "	Cemented with	
			Seet determined by	Calc.
]		Hole size 12-1/4"		
	1236	Intermediate Casing		
مر ا				
Ja: 120		Size <u>7-5/8</u> "	Gementeed witen	
8° IPC		TOC Surf Hole size 9-7/8"	feet determined by	Caic.
TBG.		note size		
!	• ! !	Long String		
\geq		Size 5-1/2 "	Cemented with	425
	≢ 3748′−59′		feet determined by	
4	3778	Hole Size 6-3/4"		
}	(Total Depth 3900'		
(/			
(\rangle	Injection interval		
(3748 feet to		et
1	<i>\</i>	(perforated and open	nole)	
TD	3900			
Tubing size 2	2-3/8" lined with IPC	:	set	in a Nickel Plate
		(Material)		
Baker Model AD	0-1 Tension packer at	3648 feet	(or describe anv o	ther casing-tubin
(Brand and M	(odel)			
seal).				
Seal). Other Data				
Other Data	he injection formation (eravbura		
Other Data	the injection formation <u>G</u>	rayburg		
Other Data 1. Name of t				
Other Data 1. Name of t	the injection formation <u>G</u>			
Other Data 1. Name of to		le) <u>Eunice Monument</u>	No	
Other Data 1. Name of t 2. Tame of F 3. Is this a	Field or Pool (if applicab a new well drilled for inj	le) <u>Eunice Monument</u>		
Other Data 1. Name of t 2. Tame of F 3. Is this a	Field or Pool (if applicab a new well drilled for inj	le) <u>Eunice Monument</u> ection? <u>Yes X</u>		
Other Data 1. Name of t 2. same of F 3. Is this a If no, fo	Field or Pool (if applicab a new well drilled for inj or what purpose was the we	ection? Yes X	Production	
Other Data 1. Name of t 2. Tame of F 3. Is this a If no, fo	Field or Pool (if applicabe new well drilled for injor what purpose was the we well ever been perforated	ection? Yes X ell originally drilled? Oil	Production all such perforat	ted intervals and
Other Data 1. Name of t 2. Tame of F 3. Is this a If no, fo	Field or Pool (if applicabe new well drilled for injor what purpose was the we well ever been perforated	ection? Yes X	Production all such perforat	ted intervals and
Other Data 1. Name of t 2. Tame of F 3. Is this a If no, fo	Field or Pool (if applicabe new well drilled for injor what purpose was the we well ever been perforated	ection? Yes X ell originally drilled? Oil	Production all such perforat	ted intervals and
Other Data 1. Name of to the same of F 2. Is this a lift no, for the same of F 4. Has the we give plug	Field or Pool (if applicabe a new well drilled for injour what purpose was the we well ever been perforated aging detail (sacks of cem	ection? Yes X ell originally drilled? Oil	Production all such perforat	
Other Data 1. Name of to the control of the contro	Field or Pool (if applicabe a new well drilled for injour what purpose was the we well ever been perforated aging detail (sacks of cem	tection? Yes X Ill originally drilled? Oil in any other zone(s)? List ment or bridge plug(s) used) overlying and/or underlying	Production all such perforat	(pools) in this
Other Data 1. Name of to the control of the contro	field or Pool (if applicabe a new well drilled for injor what purpose was the we well ever been perforated aging detail (sacks of cem depth in and name of any	tection? Yes X Ill originally drilled? Oil in any other zone(s)? List ment or bridge plug(s) used) overlying and/or underlying	Production all such perforate No goil or gas zones	(pools) in this

Chevron U.S.A. Inc. OPERATOR		Eunice Monument South Unit Expansion Area B		
OFERATOR		SEASE		
WELL NO. Three strings	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
			TIBIT AD DATA	
GL = (MATICS 3590		TUBULAR DATA	
		Surface Casing		
		01 10 1/0		
4	180	Size <u>12-1/2</u> " TOC <u>Surf</u>	<pre>' Cemented wit feet determined</pre>	
		Hole size <u>15-1/2"</u>		dy <u>GIIC</u>
	1125	intermediate Casing	<u> </u>	
		Size 9-5/8 '	! Comented wit	th 400
/		TOC 420	feet determined	
TBG.		Hole size 11-1/4"		-
		Long String		
7	TOL @ 3727	Size 7	' Cemented wit	:h 300
		TOC 1966	feet determined	
4	3810'	Hole Size <u>8-3/4"</u>		
	3848 −52	Total Depth 3905'		
1				
	2956'-74'	Injection interval		
	圭 385 6´~74 ′	Injection interval 3848 feet	to 3874 f	eet
	±3856 -74'	3848 feet	to <u>3874</u> f	Feet
_	5° Liner set @ 3893' 3893' TOL @ 3727'. Cmtd	3848 feet (perforated)	to <u>3874</u> f	eet
TD 3	3893 TOL @ 3727. Cmtd	3848 feet (perforated) w/ 44 sx.		
TD 3	5° Liner set @ 3893' 3893' TOL @ 3727'. Cmtd	3848 feet (perforated) w/ 44 sx.		
TD 3	3893 TOL @ 3727. Cmtd	3848 feet (perforated) w/ 44 sx. (Material)		et in a <u>Nickel Plat</u>
Tubing size 2 Baker Model AE (Brand and)	5' Liner set @ 3893' 3893' TOL @ 3727'. Cmtd 3905' 2-3/8" lined with IPC 0-1 Tension packer at	3848 feet (perforated) w/ 44 sx. (Material)	se	et in a <u>Nickel Plat</u>
TD 3 Tubing size 2 Baker Model AD	5' Liner set @ 3893' 3893' TOL @ 3727'. Cmtd 3905' 2-3/8" lined with IPC 0-1 Tension packer at	3848 feet (perforated) w/ 44 sx. (Material)	se	et in a <u>Nickel Plat</u>
Tubing size	5' Liner set @ 3893' 3893' TOL @ 3727'. Cmtd 3905' 2-3/8" lined with IPC 0-1 Tension packer at	3848 feet (perforated) w/ 44 sx. (Material)	se	et in a <u>Nickel Plat</u>
Tubing size 2 Baker Model AE (Brand and)	5' Liner set @ 3893' 3893' TOL @ 3727'. Cmtd 3905' 2-3/8" lined with IPC 0-1 Tension packer at	3848 feet (perforated) w/ 44 sx. (Material)	se	et in a <u>Nickel Plat</u>
TD 3 Tubing size3 Baker Model Af (Brand and Paeai). Other Data	5' Liner set @ 3893' 3893' TOL @ 3727'. Cmtd 3905' 2-3/8" lined with IPC 0-1 Tension packer at	3848 feet (perforated) w/ 44 Sx. (Material) 3748 fee	se	et in a <u>Nickel Plat</u>
TD 3 Tubing size Baker Model AI (Brand and Noseal). Other Data 1. Name of t	5' Liner set @ 3893' 3893' TOL @ 3727'. Cmtd 3905' 3-3/8" lined with IPC 3-1 Tension packer at dodel) the injection formation G	3848 feet (perforated) w/ 44 sx. (Material) 3748 fee	se	et in a <u>Nickel Plat</u>
TD 3 Tubing size Baker Model AI (Brand and Noseal). Other Data 1. Name of t	5' Liner set @ 3893' 3893' TOL @ 3727'. Cmtd 3905' 2-3/8" lined with IPC 0-1 Tension packer at lodel)	3848 feet (perforated) w/ 44 sx. (Material) 3748 fee	se	et in a <u>Nickel Plat</u>
TD 3 Tubing size Baker Model AL (Brand and Mageal). Other Data 1. Name of the Magean of the	5° Liner set @ 3893' 3893' TOL @ 3727'. Cmtd 3905' 2-3/8" lined with IPC 2-1 Tension packer at Model) The injection formation Grield or Pool (if applicab	3848 feet (perforated)	se (or describe anv	et in a <u>Nickel Plat</u>
TD 3 Tubing size 2 Baker Model AE (Brand and Seat). Other Data 1. Name of t 3. Is this a	5' Liner set @ 3893' 3893' TOL @ 3727'. Cmtd 3905' 3-3/8" lined with IPC 3-1 Tension packer at dodel) the injection formation G	3848 feet (perforated) w/ 44 SX. (Material) 3748 feet rayburg 1e)	se (or describe anv	et in a <u>Nickel Plat</u>
TD 3 Tubing size 2 Baker Model AE (Brand and Seat). Other Data 1. Name of t 3. Is this a	5° Liner set @ 3893' 3893' TOL @ 3727'. Cmtd 3905' 2-3/8" lined with IPC 2-1 Tension packer at Model) The injection formation G Field or Pool (if applicable new well drilled for inj	3848 feet (perforated) w/ 44 SX. (Material) 3748 feet rayburg 1e)	se (or describe anv	et in a <u>Nickel Plat</u>
TD 3 Tubing size Baker Model AI (Brand and Moseal). Other Data 1. Name of the Model AI (Brand and Moseal). The Data AI (B	5' Liner set @ 3893' 3893' TOL @ 3727. Cmtd 3905' 2-3/8" lined with IPC 2-1 Tension packer at lodel) The injection formation G Tield or Pool (if applicable new well drilled for inject what purpose was the we	3848 feet (perforated) w/ 44 SX. (Material) 3748 fee rayburg le) Eunice Monument ection? Yes X ll originally drilled?	set (or describe and	et in a <u>Nickel Plat</u> v other casing-tubi
TD 3 Tubing size Baker Model AI (Brand and Noseal). Other Data 1. Name of the state of	5' Liner set @ 3893' 3893' TOL @ 3727'. Cmtd 3905' 3-3/8" lined with IPC 3-1 Tension packer at dodel) The injection formation G Field or Pool (if applicable a new well drilled for inject what purpose was the well ever been perforated	3848 feet (perforated) w/ 44 sx. (Material) 3748 fee rayburg le) Eunice Monument ection? Yes X ll originally drilled? (in any other zone(s)? Le	No Dil Production ist all such perfor	et in a <u>Nickel Plat</u> v other casing-tubi
TD 3 Tubing size Baker Model AI (Brand and Noseal). Other Data 1. Name of the state of	5' Liner set @ 3893' 3893' TOL @ 3727. Cmtd 3905' 2-3/8" lined with IPC 2-1 Tension packer at lodel) The injection formation G Tield or Pool (if applicable new well drilled for inject what purpose was the we	3848 feet (perforated) w/ 44 sx. (Material) 3748 fee rayburg le) Eunice Monument ection? Yes X ll originally drilled? (in any other zone(s)? Le	No Dil Production ist all such perfor	et in a <u>Nickel Plat</u> v other casing-tubi
TD 3 Tubing size Baker Model Af (Brand and Poseal). Other Data 1. Name of the pose of the po	5' Liner set @ 3893' 3893' TOL @ 3727'. Cmtd 3905' 2-3/8" lined with IPC 2-1 Tension packer at Model) The injection formation G Tield or Pool (if applicable a new well drilled for inject what purpose was the well ever been perforated agging detail (sacks of cem	3848 feet (perforated) w/ 44 sx. (Material) 3748 fee rayburg le) Eunice Monument ection? Yes X ll originally drilled? (in any other zone(s)? Leent or bridge plug(s) use	No Oil Production ist all such performed) No	et in a <u>Nickel Plat</u> y other casing-tubi
TD 3 Tubing size	5' Liner set @ 3893' 3893' TOL @ 3727'. Cmtd 3905' 3-3/8" lined with IPC 3-1 Tension packer at dodel) The injection formation G Field or Pool (if applicable a new well drilled for inject what purpose was the well ever been perforated	3848 feet (perforated) w/ 44 sx. (Material) 3748 fee rayburg le) Eunice Monument ection? Yes X ll originally drilled? (in any other zone(s)? Leent or bridge plug(s) use overlying and/or underly	No Oil Production ist all such performed) No	et in a <u>Nickel Plat</u> y other casing-tubi

V. Area Map