



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

GARREY CARRUTHERS
GOVERNOR

RECEIVED
AUG 14 1987
OIL CONSERVATION DIVISION

8-10-87

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

NSL - 2368

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

- MC _____
- DHC _____
- NSL _____
- NSP _____
- SWD _____
- WFX _____
- PMX _____

Gentlemen:

I have examined the application for the:

Phillips Pet. Co. E. Vac. LB/SA Ut Tr. 3202 #19-G 32-17-35
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK JS

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed

Released Date
Aug 10, 1987

By DRC



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

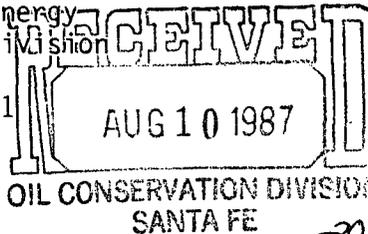
August 6, 1987

EXPLORATION AND PRODUCTION GROUP

NSL-2368
RUE-104 FE

Order R-5897-Expansion of
Authority by Administrative Action
East Vacuum Grayburg/San Andres Unit,
Well No. 3202-019
Vacuum Grayburg/San Andres Unit
Lea County, New Mexico

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



Vacuum Grayburg San Andru
Pool
40 Acre dead
SW/4 NE/4 Sect. 32
2065 FE & 2540 FE. Section 32,
T-17 South. R-35 East.

Attn: William J. Lemay
Director

Gentlemen:

Administrative approval, provided by Order No. R-5897 and Statewide Rule 104 F (III) (IV), is requested to permit drilling the unorthodox location of subject well.

There are no offset operators to this proration unit other than Phillips Petroleum Co. However, Mobil Producing TX & NM, Inc., Arco Oil and Gas Company and Chevron USA, Inc. have been notified by copy of this application according to Statewide Rule 102(c).

Please find attached a project plat identifying all producing and injection wells therein, and a statement explaining the necessity for this location.

Your early consideration is appreciated. Contact me at (915) 367-1488 if you have any questions.

Yours very truly,

Larry M. Sanders

Larry M. Sanders, Supervisor
Regulation and Proration

LMS/JD/sdb
REG/PRO6/evgsaul.1

Attachment

cc: New Mexico Dept. of Energy and Minerals Arco Oil and Gas Co.
Oil Conservation Division P. O. Box 1710
P. O. Box 1980 Hobbs, NM 88240
Hobbs, New Mexico 88240

Mobil Producing TX & NM Inc. Chevron USA, Inc.
P. O. Box 633 P. O. Box 670
Midland, Texas 79702 Hobbs, NM 88240

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.
A-1320

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name East Vacuum Gb/SA Unit
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name East Vacuum Gb/SA Unit
2. Name of Operator Phillips Petroleum Company		9. Well No. Tract 3202 019
3. Address of Operator Room 401, 4001 Penbrook St., Odessa, Texas 79762		10. Field and Pool, or Wildcat Vacuum GB/SA
4. Location of Well UNIT LETTER <u>G</u> LOCATED <u>2065</u> FEET FROM THE <u>North</u> LINE AND <u>2540</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>32</u> TWP. <u>17-S</u> RGE. <u>35-E</u> NMPM		12. County Lea
19. Proposed Depth 4800'		19A. Formation Grayburg San Andres
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) 3961.7 (Unprepared)	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Advise later
22. Approx. Date Work will start Upon Approval		

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	24#	1600'	1000 sk "C"	Surface
7-7/8"	5-1/2"	15.5#	4800'	1400 sk "C"	Surface

Use mud additives as required for control

BOP Equipment: Series 900, 3000# WP (see attached schematic figure 7-9 or 7-10)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed W.J. Mueller Title Eng. Supervisor, Reservoir Date 8-5-87
(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

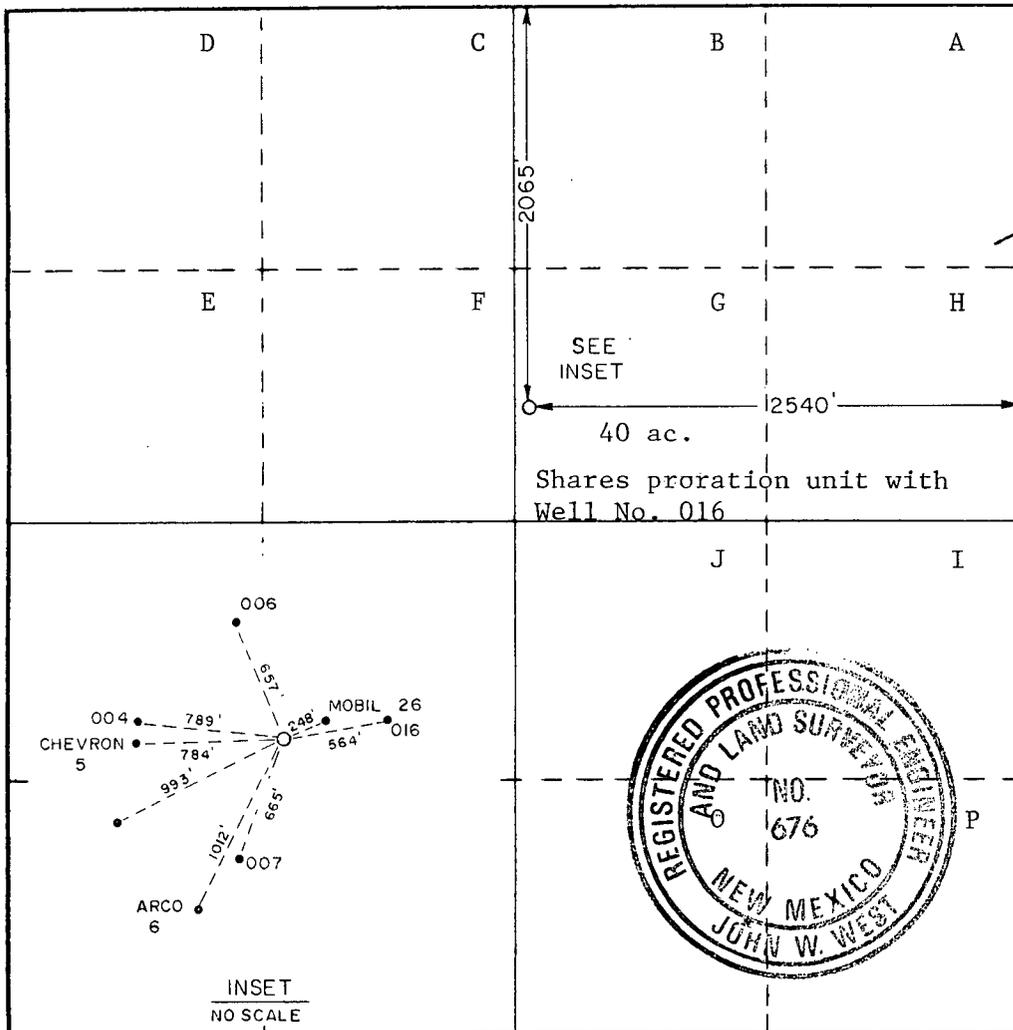
Operator Phillips Petroleum Company			Lease EVGSAU		Well No. 3202-019
Unit Letter G	Section 32	Township 17 South	Range 35 East	County Lea	
Actual Footage Location of Well: 2065 feet from the north line and 2540 feet from the east line					
Ground Level Elev. 3961.7	Producing Formation Grayburg San Andres		Pool Vacuum	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation unitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION	
<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>	
Name	<i>W. J. Mueller</i>
Position	Eng. Supervisor, Reservoir
Company	Phillips Petroleum Company
Date	8/6/87
<i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</i>	
Date Surveyed	July 30, 1987
Registered Professional Engineer and/or Land Surveyor	
<i>John W. West</i>	
Certificate No.	JOHN W. WEST, 676 RONALD J. EIDSON, 3239



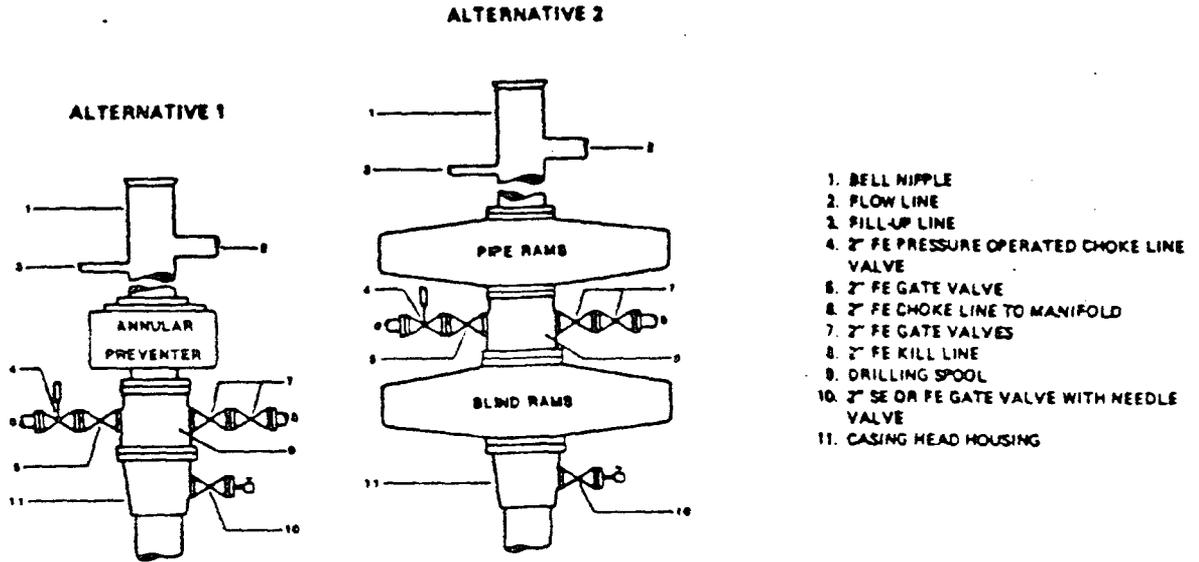
96560

EAST VACUUM GRAYBURG/SAN ANDRES UNIT
Lea County, New Mexico
Well No. 3202-019

The proposed infill producer is required to convert a 40-acre five spot pattern within the WAG Area to a 40-acre inverted nine-spot pattern. The 10-acre infill location will increase the WAG flood efficiency by producing oil currently trapped between adjacent injectors.

REG/PR06/evgsau

FIELD PRACTICES AND STANDARDS



NOTE: THE DRILLING SPOOL MAY BE LOCATED BELOW BOTH SETS OF RAMS IF A DOUBLE PREVENTER IS USED AND IT DOES NOT HAVE SUITABLE OUTLETS BETWEEN RAMS

Figure 7-9. Standard Hydraulic Blowout Preventer Assembly (2 M or 3 M Working Pressure) Alternative 1

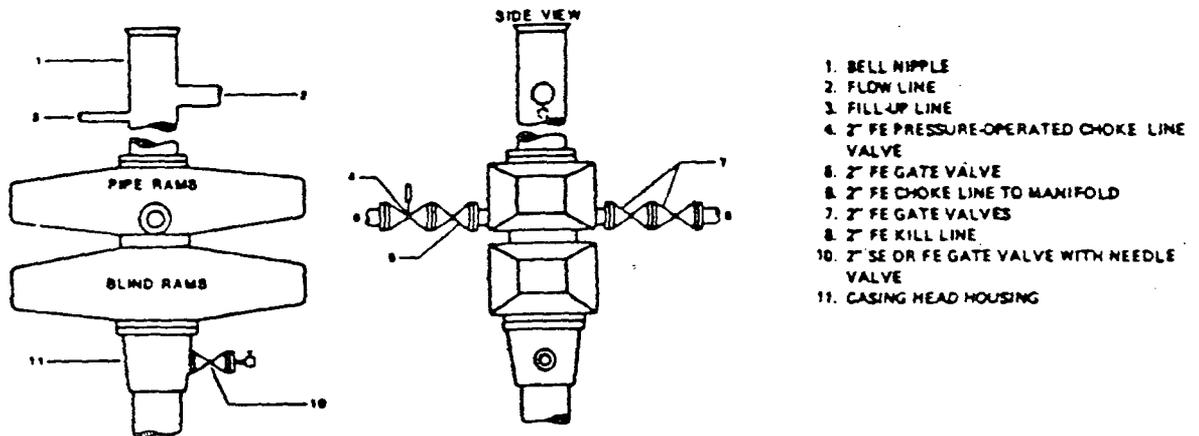
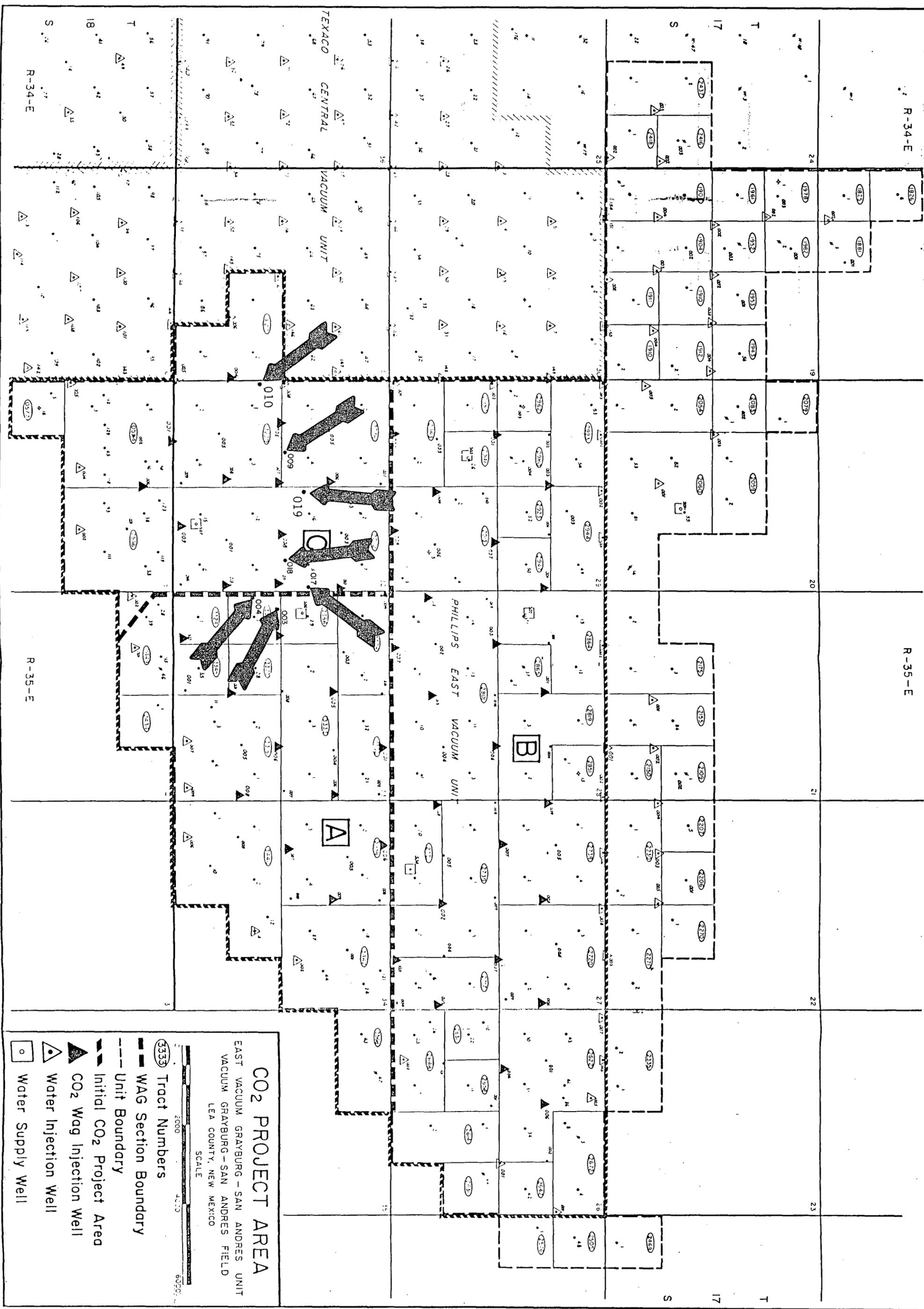


Figure 7-10. Standard Hydraulic Blowout Preventer Assembly (2 M or 3 M Working Pressure) Alternative 3 (without Drilling Spool)



CO2 PROJECT AREA
 EAST VACUUM GRAYBURG - SAN ANDRES UNIT
 VACUUM GRAYBURG - SAN ANDRES FIELD
 LEA COUNTY, NEW MEXICO
 SCALE

- Tract Numbers
- WAG Section Boundary
- Unit Boundary
- Initial CO2 Project Area
- CO2 Wag Injection Well
- Water Injection Well
- Water Supply Well

R-34-E

R-35-E

T-17

T-18

S-17

S-18

S-19

S-20

S-21

S-22

S-23

TEXACO CENTRAL VACUUM UNIT

PHILLIPS EAST VACUUM UNIT

010

019

A

B

008

009

017

018

003

004

005

006

007

001

002

003

004

005

006

007

008

009

010

011

012

013

014

015

016

017

018

019

020

021

022

023

024

025

026

027

028

029

030

031

032

033

034

035

036

037

038

039

040

041

042

043

044

045

046

047

048

049

050

051

052

053

054

055

056

057

058

059

060

061

062

063

064

065

066

067

068

069

070

071

072

073

074

075

076

077

078

079

080

081

082

083

084

085

086

087

088

089

090

091

092

093

094

095

096

097

098

099

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

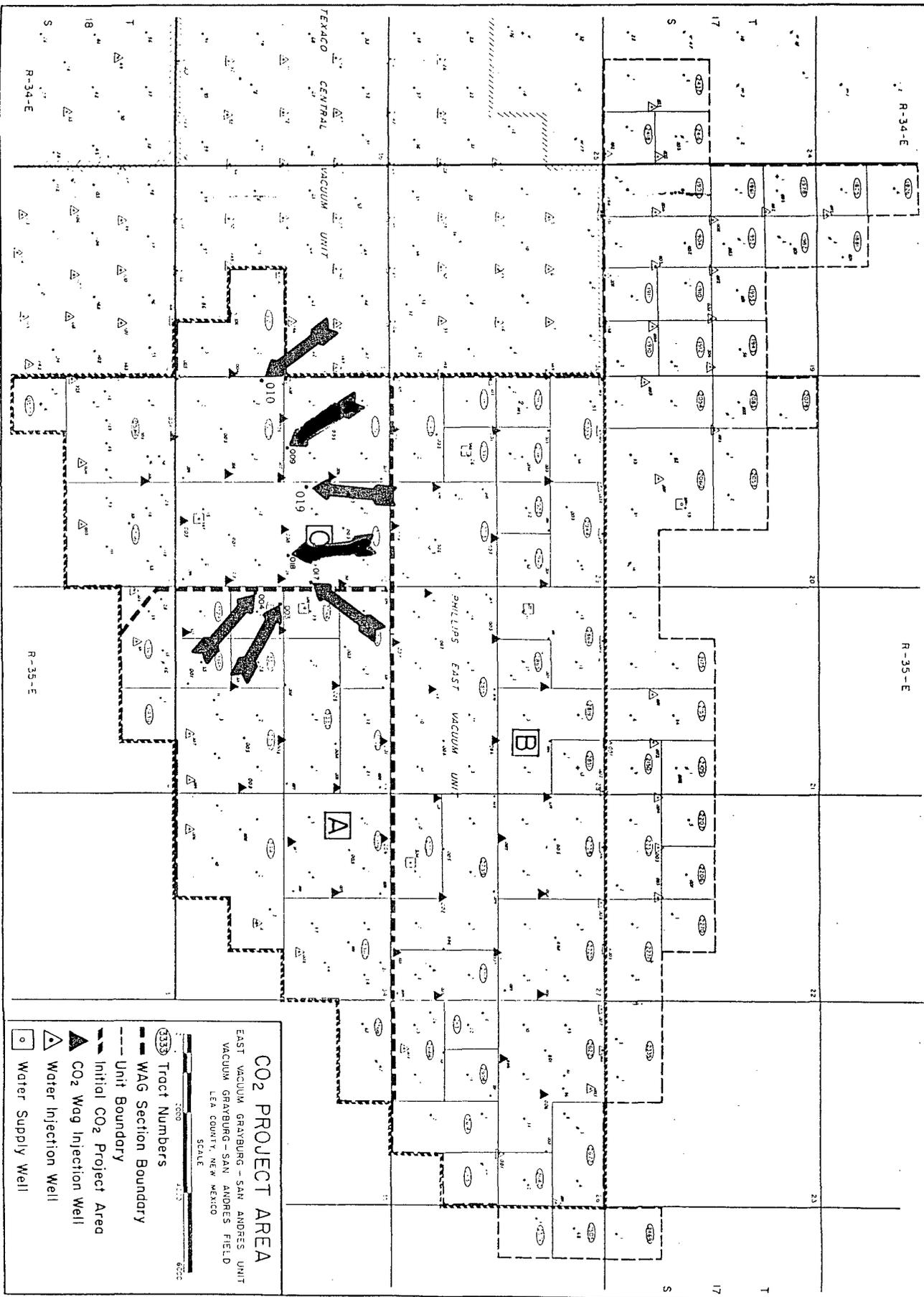
180

181

182

183

184



CO₂ PROJECT AREA
 EAST VACUUM GRAYBURG - SAN ANDRES UNIT
 VACUUM GRAYBURG - SAN ANDRES FIELD
 LEA COUNTY, NEW MEXICO
 SCALE

- Tract Numbers
- WAG Section Boundary
- Unit Boundary
- Initial CO₂ Project Area
- CO₂ WAG Injection Well
- Water Injection Well
- Water Supply Well



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

FEB - 1 1988
OIL CONSERVATION DIVISION
SANTA FE

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

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE 1-27-88

- RE: Proposed MC _____
- Proposed DHC _____
- Proposed NSL X _____
- Proposed SWD _____
- Proposed WFX _____
- Proposed PMX _____

NSL - 2468

Gentlemen:

I have examined the application dated 1-20-88

for the <u>Amoco Prod. Co.</u>	<u>J. C. GORDON #1</u>	<u>K-23-2715-10W</u>
Operator	Lease and Well No.	Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

Em Busch