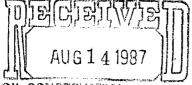


PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK August 7, 1987

EXPLORATION AND PRODUCTION GROUP



OIL CONSERVATION DIVISION New Mexico Departmente of Energy Oil and Gas Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

Attn: William J. Lemay Director

Gentlemen:

Order R-5897 - Expansion of

Authority by Administrative Action East Vacuum Grayburg/San Andres Unit Well No. 3229-010 Vacuum Grayburg/San Andres Pool Lea County, New Mexico

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.

As offset operator, Texaco, Inc., has been notified by copy of this application with a waiver request. Mobil Producing TX and NM, and Arco Oil and Gas Company have also 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,

any m. Danders

Lárry M./Sanders, Supervisor Regulation and Proration

LMS/JLD/sdb REG/PR06/evgsau2

Attachment

cc:

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

Arco Oil and Gas Co. P. O. Box 1710 Hobbs, New Mexico 88240 Mobil Producing TX & NM Inc. P. O. Box 633 Midland, Texas 79702

Texaco Inc. P. O. Box 728 Hobbs, New Mexico 88240

Texaco Inc. hereby waive any objections to drilling subject well.

Texaco Inc.

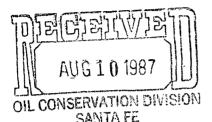
Release Dato: Acy 30, 1897 Acy 30, A87 Uturi in from Texaco

PHILLIPS

PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP



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

Attn: William J. Lemay Director August 7, 1987

Order R-5897 - Expansion of Authority by Administrative Action East Vacuum Grayburg/San Andres Unit Well No. 3229-010 Vacuum Grayburg/San Andres Pool Lea County, New Mexico

1980 FSL & 10 FWL Section 30. T-17South, 2-35East Vacuum Grayburg San Andres Pool 40 Aore dedication NWH SWH Section 32

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.

As offset operator, Texaco, Inc., has been notified by copy of this application with a waiver request. Mobil Producing TX and NM, and Arco Oil and Gas Company have also 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, Jary m. Danders

Larry M. Sanders, Supervisor Regulation and Proration

LMS/JLD/sdb REG/PR06/evgsau2

Attachment

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

> Arco Oil and Gas Co. P. O. Box 1710 Hobbs, New Mexico 88240

Mobil Producing TX & NM Inc. P. 0. Box 633 Midland, Texas 79702

Texaco Inc. P. O. Box 728 Hobbs, New Mexico 88240

By DRC

NSC-2383

RULE-104F(F)

STATE OF NEW MEX	IC O					• •			
ENERGY AND MINERALS DEP	ARTMENT	OIL	CONSERVA	тю	N DIVIS	SION		Form C-101	
WO. OF COPIES ACCEIVED			P. O. BOX	208	8			Revised 10	-1-78
DISTRIBUTION SANTA FE, NEW MEXICO 87501					-SA. Indicate	Type of Lease			
SANTA FE							· ·	BTATE 2	X /cc
FILE								.5. State Oil	6 Gas Lease No.
U.S.G.S.								B-1576-	
LAND OFFICE								mmm	mmmm
						A CY	<u></u>	())))))	
	JN FUR PE	RMIT IC	DRILL, DEEPEN	N, UI	R PLUG B	ALK		777777	mmm.
la. Type of Work								-	ement Name
	X.		DEEPEN			PLUG			cuum Gb/SA Unit
b. Type of Well	.							8. Farm or L	ease Name
WELL XX WELL	отн	68		\$1	IONE X	MU	ZONE		cuum Gb/SA Unit
2. Name of Operator				•				9. Well No.	Tract 3229
Phillips Petrole	um Compan	У						010	,
3. Address of Operator						10. Field an	d Pool, or Wildcat		
Room 401, 4001 Penbrook St., Odessa, Texas 79762					Vacuum GB/SA				
4. Location of Well	L		CATED 1980		T FROM THE	outh	LINE	111111	<u>uuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuu</u>
			CATED	_ /!!	FROM THE		LINE	//////	MMMMMM
	THE West		NE OF SEC. 32		. 17 - S	ace 35	-E NMPM	MMM	//////////////////////////////////////
	mmm	<u>inni</u>		$\tilde{T}T$	inini	1111	viinn	12. County	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1.111111111111111	///////	//////		///,	///////	IIII	///////	Lea	
<i>`````````````````````````````````````</i>	+++++++	HHH	+++++++++++++++++++++++++++++++++++++++	HH.	HHHH	HHH	HHHH	TITT	44444477777
	IIIII	IIII		N	Proposed De	pth	19A. Formation Grayburg		20. Rotary or C.T.
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	IIIIII		3 4	4800 '		San And	res	Rotary
21. Elevations (show whether DI		21A. Kind	& Status Plug. Bond	21B	. Drilling Con	ntractor		22. Approx	. Date Work will start
3973.9 (Unprepared) Blanke		Advise later				Upon approval			
23.		L	PROPOSED CASING A					<u></u>	
SIZE OF HOLE	SIZE OF	CASING	WEICHT PER FOO	от	SETTING	DEPTH	SACKS OF	CEMENT	EST. TOP
12-1/4"			24#		1600'		1000 sk "C"		Surface
7-7/8"	5-1/2"		15.5#	-+-	4800'		1400 sk		Surface

Use mud additives as required for control.

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

I hereby certify that the information sho	ve is true and complete to the best of my knowledge and belief.	
Signed Million	Tule_Eng. Supervisor, Reser	voir Date 8/5/87
(I'mis space for State)	jsej	
APPROVED BY	TITLE	DATE

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

.*

2

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

T

PHILLIPS PETROLEUM COMPANY EVGSAU 3229-010			All distances must be	e from the	outer boundarie	es of the Section		· · · · · · · · · · · · · · · · · · ·
Data Lative Section Turnally The mater To solve 1980 Section of Well: 17.501711 35 EAST LEA 1980 Section of Well: Data Strift East Description of Well: Description of Well: 1980 Section of Well: Provide Location of Well: Description of Well: Description of Well: 39.73.9 Grayburg San Andres Provide Location of Well: Description of Well: Description of Well: 1. Outline the acreage dedicated to the subject well by colored pencil of backure marks on the plat below. Effect on the sole is dedicated to the well, bave the interests of all owaers been consolidated by communitization, unitization, unitization, initization, initization, initization, initization, initization, origination, etc: 16 more than one lease of different ownership is dedicated to the well, have the interests of all owaers been consolidated by communitization, unitization, initization, initininton, initization, initination, initization,	Operator			Lease	FUC	- A I I		Well No.
L 32 17 SOLTH 35 EAST LEA 1980 reactions of Weith SOLTH Inter and 10 reactions into WEST Inter and 10 Inter them into WEST Inter and 10 Inter and	PH							3229-010
Actual Tooluge Lookies of weith for a function of the set into the set into the MEST The set into the SOUTH The set into the MEST The set into the South Set interests; acress 3973.9 Grayburg San Andress Provide Set into the south Set interests; acress Definition of the set into the south Set interests; and the set interests of all owners been consolidated by communitization, unitization, unitization, initization, ini	Unit Letter				-	County		
1980 test man the SOUTH tow and 1 per time. 10 test mention the WEST tree Operating and 1 per time. Proof. Proof. Proof. 200 Access 1. Outline the accesse dedicated to the subject well by colored pencil of harbure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (bath as to working interest hand royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated different ownership is dedicated to the well, have the interests of all owners been consolidated different ownership is dedicated to the well, have the interests of all owners been consolidated different ownership is dedicated to the well, have the interests of all owners been consolidated different ownership is dedicated to the well, have the interests of all owners been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. D C B A I F F F I F F F I F F F I F F F I F F F I F F F I F F F			1/ SOUTH	3	5 EAST		LEA	
December provides Provide Arrange 39/3.9 Crayburg San Andres Vacuum Definition Arrange 10. Outline the acreage dedicated to the subject will by colored pencil of hathure marks on the plat below. 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? (K) Yes No If answer is "yes," type of consolidation Unitization If answer is "no." If answer is "yes," type of consolidation Unitization Initization No If answer is "no." If answer is "yes," type of consolidation Unitization No If answer is "no." If answer is "yes," type of consolidation Unitization 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 Consister sion. D C B A SEE P First Signed If any will will be informance consolidated (by communitization, unitization, unore unitization, unitization, unore unitization, unitizatio								
3973.9 Grayburg San Andres Vacuum 40 1. Outline the acreage dedicated to the subject well by colored pencil of 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 regulty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated to the well, outline the interests of all owners been consolidated for the working interest is "no." If answer is "yes," type of consolidation	1980	feet from the SC	DUTH line an	d	10	feet from the	WEST	line
1. Outline the acreage dedicated to the subject well by colored pencil of hachare 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? (EX) Yes I no II answer is "yes," type of consolidation Unitization If answer is "no." If answer is "yes," type of consolidation Unitization If answer is "no." If answer is "yes," type of consolidation Unitization If answer is "no." If answer is "yes," type of consolidation Unitization forced pooling, or otherwisel or until a non-stendard unit, eliminating such interests, has been approved by the Commission. D C C B C C B C C C B C C C C C C C C	Ground Level Elev	-		Pool				
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royally). 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.ett? Imaswer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) Imaswer 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. Imaswer is "no". Imaswer is "no".	3973.9	Grayburg	; San Andres		Vacuum			40 Acres
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. Initization Unitization If answer is "no." If answer is "yes," type of consolidation Unitization If answer is "no." list the owners and tract descriptions which have actually been ronsolidated. (Use reverse side of this form if accessory.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. D C B C B C B C B C B C C B C C B C	2: If more	than one lease is		`				
sion. D C B A CERTIFICATION C	3. If more the dated by XX Yes If answer this form No allows	han one lease of c communitization, No If a is "no." list the if necessary.) able will be assign	unitization. force-poo nswer is "yes," type owners and tract des ed to the well until a	oling. etc of cons scription all intere	e? olidation as which hav ests have be	Unitizati e actually be en consolida	.on en consolida ted (by com	uted. (Use reverse side of munitization, unitization,
E F L K SEE 10' INSET 008 M N N M M M M M M M M M M M M M						T	\square	CERTIFICATION
L K SEE 10' INSET 40 ac. Share proration unit with Well NQ. DOI M I N B M I N M M M M M M M M M M M M M		 		R56197600	(d) ≷i− +10,-	- GREET	Name W.J Position	rein is true and complete to the knowledge and belief. Watthe Mueller
SEE INSET 40 ac. Share proration unit with Well_No. 001 M I N M I	, <u> </u>	 			ME W.		Phillip Date	os Petroleum Company
40 ac. ARCO St"B" is true and correct to the best of my knowledge and belief. Share proration unit with Mobil St"K" #7694' 634'001 Well_No001 002687' 634'001 002687' 004 Date Surveyed July 30,1987 July 30,1987 No SCALE Mobil Surveyor Mobil Surveyor Oot Mobil Surveyor Oot Oot Oot Oot Oot Oot Oot Oot IN SET No SCALE Ortilicate No. John W. WEST, 676	INISE	ř	К		008		shown on notes of a	this plat was plotted from field actual surveys made by me or
Image: Second state state Image: Second state state Image: Second state state Image: Second state state Image: Second state	Share pr	foration unit $-201 +$	St"K"#7 002		- 0 634	# 7	is true ai	nd correct to the best of my
	0861	M 	Ν		• 004		July : Registered P	30,1987 Professional Engineer
			· · · · · · · · · · · · · · · · · · ·				Certificate N	

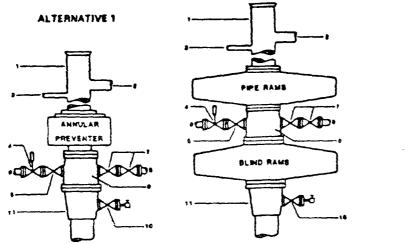
EAST VACUUM GRAYBURG/SAN ANDRES UNIT Lea County, New Mexico Well No. <u>3229-010</u>

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

ALTERNATIVE 2



1. BELL NIPPLE

2. FLOW LINE

1. FILL UP LINE

4. 2" FE PRESSURE OPERATED CHOKE LINE VALVE

8. 2" FE GATE VALVE

8. 2" FE CHOKE LINE TO MANIFOLD

7. 2" FE GATE VALVES

8. 2" FE KILL LINE

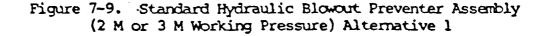
8. DRILLING SPOOL

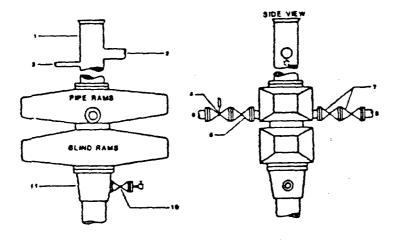
10. 2" SE OR FE GATE VALVE WITH NEEDLE

VALVE

11. CASING HEAD HOUSING

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





1. BELL NIPPLE

2. FLOW LINE

- 3. FILL UP LINE
- 4. 2" FE PRESSURE-OPERATED CHOKE LINE VALVE

8. 2" FE GATE VALVE

& 2" FE CHOKE LINE TO MANIFOLD

7. 2" FE GATE VALVES

- & T FE KILL LINE
- 10. 2" SE OR FE GATE VALVE WITH NEEDLE VALVE
- 11. CASING HEAD HOUSING

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

Well Control 4 January/83

PHILLIPS PETROLEUM COMPANY

Page 251 Section II.

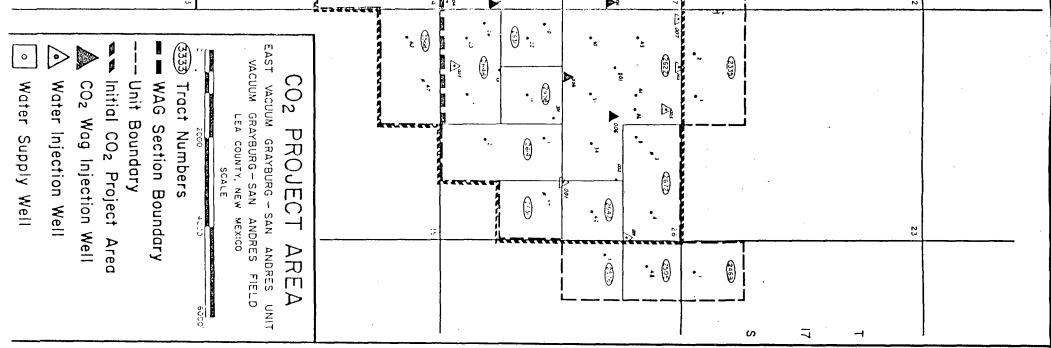
TEXACO ē., 7 U. S 1 . . •. • ٠. • }_ 2 ŀį D i : R-34-E CENTRAL • Ð ٩ 1 B Υ. •. .1 ACUUM 9 • • . 0 •_ \triangleright Þ Þ · · Ø • <u> </u> `~· , 🖗 UNI ۰. P • . • 1. Þ . e 9. D D, **`**.9 () 8 (°)•. RAVATE • ۰. ٠. () 0 í 다.() 0 • D ķ 0 8 • 7 •_ · ٥! ٠. . § D_e 0. ៹៎៵ • • ٠. 1 140 Ð • ⊳() 0 R - 35 - E 0 68 EAST (2 . 0 0 • 9 VACUUM •. •. ß Π · • 0 . 0 • · ۰. ŝ • \mathbb{D}_{2} ⊡, () . Ê Ĝ .0 . 0 Ð? 0 0 • () ۰. • 0 • • EAST VACUUM GRAVBURG - SAN ANDRES UNIT VACUUM GRAVBURG - SAN ANDRES FIELD LEA COUNTY, NEW MEXICO 0 ▲ CO₂ Wag Injection Well ▲ Water Injection Well Initial CO2 Project Area 533 Tract Numbers WAG Section Boundary -- Unit Boundary (j) 9 (ĉ ₽į Water Supply Well CO2 PROJECT AREA • 🕄 ٠. 6 SCALE 0 s an or is not the Plat ٠, 0 • Ô :0 6 ۰. 1000

R-34-E

• 0

R-35-E

TEXACO ഗ 7 õ k •≈ Ŀ \mathbb{P} Þ į. چ Ŀ, ©. CENTRAL R-34-E ŝ • 52 R-34-E P 6 [;> 1 •_ • 8 •_ 🕅 •• •_ 🗿 б Þ \triangleright ₽ (ب ß Þ ⊳ [•> ;; · 8 • B •_ (3) IND . ۰. 49 ß િં િટ્ટ 03 ¢. Þ \triangleright •_ (1) • R Ŀ, <u>آ</u> <u>ب</u>ا! 101 Þ Į•> • • • ŝ \triangleright ⊳**"** •010 •____ • 2053 ((i)())) * 2 (; ; (1) 8 8 ·_., 223 G, •,. ⊳₽ ¥. 606 ⊳ • 8 •____ •... 6 • 8 €]] ♦ 2942 $\mathbb{D}_{\underline{8}}$ 0 (*, 30C • • • • 1, PHIL • • []] []] Ę •a •,. (16E) R-35-E ŝ R-35-E •_, (j) 0 •~> • ... • • EAST Cec $\mathbb{D}_{\mathbf{r}}$ •_ • [(33) • VACUUM •... • 32 \square 8 <u>ن</u> رو •_ • • - 00 • 🕄 • 2 INN $\square_{\mathbf{s}}$ 00 •, $\mathbb{D}_{\mathbf{s}}$ 8 (ii) $\left(\right)$ Ū g • 0 . • ï. 220 $\mathbb{P}_{\mathbf{L}}$ •_ 227 $\left(\right)$



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE SOVERNOR AUG 1 4 1997 AUG 1 4 1997 ENTROP	POST DFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161
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: <u>Phillips Pet-Co. E. Vac. DB/SA ut Tr. 32297</u> Operator Lease & Well No. Unit S-T-R and my recommendations are as follows:	<u> #10 - 2</u> 32-17-35
ok J.S	
	<u></u>
Yours very truly?	
Jerry Sexton Supervisor, District 1	

/ed