#### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

#### OIL COUSERVATION DIVISION P. O. BOX 2088 SANTA PE, NEW MEXICO 87501

\DMTNIS	TRATIVE	ORDER
NFL	96	

INFILE, DELLING FINDINGS AND WELL-SPACING WAIVER
MADE PURSUANT TO SECTION 271.305(b) OF THE
FEDERAL EHERGY REGULATORY COMMISSION REGULATIONS,
NATURAL GAS POLICY ACT OF 1978 AND OIL CONSERVATION DIVISION
ORDER NO. R-6013

Operator MARBO	OB ENERGY CORP	ORATION	Well Name a	and No	M. Dodd "A" Wel	1 Mo. 32
Location: Unit_	G_Sec. 22	_Twp17S	Rng 29E	Cty	Eddy	
rr.	•				-	
THE DIVISION FIN	<u>bs</u> :	,				
(1) That Section promulgated pursu well to qualify a find, prior to the efficiently drain drained by any exception of the efficients.	uant to the Nature of a new onshore the commencement of the commencement of the control of the c	ural Gas Police production was drilling, the reservoir thin that unif	ey Act of 1976 well under Section the Well covered by the thing and must grant for the terms of	B provides ction 103 L is neces ne prorati cant a wai	that, in order of said Act, the sary to effective on unit which carver of existing the same of the same of existing the same of the same o	for an infill Division must ely and nnot be so well-spacing
(2) That by Ordo procedure whereb Division and fine	y the Division ( d that an infil)	Director and I well is nec	the Division Dessary.	Examiners	are empowered to	act for the
(3) That the well	Pool, and	the standard	spacing unit	in said p	ool is4(	irg Jackson )acres
	40acre					
of Sec. 22	, Twp. <u>17S</u> ,	Rng. 29E	_, is current	ly dedica	ted to the M.	Dodd "A"
WEIT NO. 29	!	.ocated in uni	t G OI Sa	ila sectio	n.	•
(5) That this pr previously approv			d ( ) nonsta	ndard; if	nonstandard, sa	id unit was
(6) That said pr well(s) on the ur		not being ef	fectively and	l efficien	tly drained by th	ie existing
(7) That the dri the production of otherwise be reco	f an additional	etion'of the 22,640	well for whic MCF of gas	ch a findi from the	ng is sought show proration unit wh	ild result in nich would not
(8) That all the for which a findi reservoir covered the unit.	ing is sought is	necessary to	effectively	and effici	iently drain a po	ortion of the
(9) That in order application should pool.						
IT IS THEREFORE C	DEDEBED: ()					
(1) That the appinfill well on the for infill drilli and is necessary unit which cannot	ie existing pror ind granted by t to permit the d	ation unit do bis order is rainage of a	escribed in Se an exception portion of th	ection II( to applic no reservo	<ol> <li>above. The auable well spacing ir covered by sai</li> </ol>	uthorization g requirements Id proration
Division may does	n becommany.		•		uch further order	
DODE of Canta Co,	. How H. whee, rea	100 g J.	i day of	September		

### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

I.

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

ADMINISTRATIVE	ORDER
NFL 96	

INFILL DRILLING FINDINGS AND WELL-SPACING WAIVER
MADE PURSUANT TO SECTION 271.305(b) OF THE
FEDERAL ENERGY REGULATORY COMMISSION REGULATIONS,
NATURAL GAS POLICY ACT OF 1978 AND OIL CONSERVATION DIVISION
ORDER NO. R-6013

Operator Marbob Energy Corporation Well Name and No. M. Dodd "A" Well No. 32

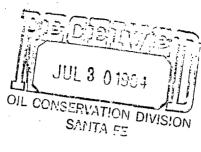
ocation: Unit & Sec. 22 Twp. 17 South Rng. 29 East Cty. Eddy
I.
THE DIVISION FINDS:
That Section 271.305(b) of the Federal Energy Regulatory Commission Interim Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill rell to qualify as a new onshore production well under Section 103 of said Act, the Division must sind, prior to the commencement of drilling, that the well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so trained by any existing well within that unit, and must grant a waiver of existing well-spacing requirements.
(2) That by Order No. R-6013, dated June 7, 1979, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.
3) That the well for which a finding is sought is to be completed in the <u>Grayburg Jackson</u> Pool, and the standard spacing unit in said pool is <u>40</u> acres.
4) That a $\frac{40}{\sqrt{NE/4}}$ -acre proration unit comprising the $\frac{SW/4}{\sqrt{NE/4}}$
of Sec. 27 Twp. 17 South, Rng. 29 East, is currently dedicated to the M. Dodd "A" Well No. 29 located in Unit 6 of said section.
(5) That this proration unit is ( ) standard ( ) nonstandard; if nonstandard, said unit was previously approved by Order No.
6) That said proration unit is not being effectively and efficiently drained by the existing rell(s) on the unit.
7) That the drilling and completion of the well for which a finding is sought should result in the production of an additional 22,640 MCF of gas from the proration unit which would not otherwise be recovered.
8) That all the requirements of Order No. R-6013 have been complied with, and that the well or which a finding is sought is necessary to effectively and efficiently drain a portion of the eservoir covered by said proration unit which cannot be so drained by any existing well within he unit.
9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved as an exception to the standard well spacing requirements for the sool.
T IS THEREFORE ORDERED:
(1) That the applicant is hereby authorized to drill the well described in Section I above as an infill well on the existing proration unit described in Section II(4) above. The authorization for infill drilling granted by this order is an exception to applicable well spacing requirements and is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing well thereon.
(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.
OONE at Santa Fe, New Mexico, on this day of, 19
L.
Sent 3,87 DIVISION DIRECTOR EXAMINER
1) 4 <sup>-1</sup>

Request for Infill Finding on

M. Dodd "A" #32

in accordance with Administrative
Procedures amended February 8, 1980

6- 22-175-29E



	m 3160-5 prompler 1983) prompler 9-331)  DEPARTMENT OF THE INTERIOR (Other Instructions)	Form approved. Budget Bureau No. 1004-013 Expires August 31, 1985  6. LHASS DERISHATION AND SUBIAL BO.
PLANE OF COMMANDED  PLANE OF STATES AND NO.    1650 FML 2310 FEL   1650 FML 2310 FEL   1650 FML 2310 FEL   1650 FML 2310 FEL   1650 FML 2310 FML   1650 FML		6. OF EMBLAN, ALLOTTER OR TRIBE HAM
Marbob Energy Corporation  M. Dodd "A"  P.O. Drawer 217, Artesia, N.N. 88210  100	OIL [3] GAR [7]	
Decayment of water, [Region foresteine density and in accordance with any Sints requirements."  At earthor  1650 FNL 2310 FEL  PRINTY NO.  18. SEPARATIONS (Show whicher or, st. o. ch.)  18. SEPARATION (Show	NAME OF OPERATOR	E desir de tente brits
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Decretors of walk, (Bayers location clearly and in accordance with any State requirements)  1650 FRIL 2310 FEL  1650 FRIL 2310		···
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parameter Proposed on Completing organizations (Clearly state all pertinent details, and give pertinent data, including enthusing an proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and trues per neat to this work.)  This is to amend our Application for Permit to Drill' dated 2/13/84 and approved on 3/7/84. Original application's location was 1650 PNL 2210 FEL of Sec. 22-T175-R29E, we wish to change this to 1650 FNL 2310 FEL per attached plat.  JUL 3 0 1984  OIL CONSERVATION DIVISION  SANTA FE  DIST. 6 N.M.  LEVEL DESTRUCTION DIVISION  SANTA FE  DATE 4/16/84		· · · · · · · · · · · · · · · · · · ·
This is to amend our Application for Permit to Drill dated 2/13/84 and approved on 3/7/84. Original application's location was 1650 FNL 2210 FEL of Sec. 22-T175°R29E, we wish to change this to 1650 FNL 2310 FEL per attached plat.  JUL 3 0 1934  OIL CONSERVATION DIVISION SANTA FE  Dist. 6 N.M.  SANTA FE  Dereby britty that the formulage is the and correct SIGNED  APR 23 1984  DIST. 6 N.M.  Production Clerk  DATE 4/16/84		
JUL 3 0 1984  OIL CONSERVATION DIVISION SANTA FE  I hereby bertiff that the foregoing is tide and correct  BIGNED  APR 23 1984  DIST. 6 N.M.  Production Clerk  DATE 4/16/84	proposed work. If well is directionally drilled, give subsurface locations and measured and tree nent to this work.)	t dutum, including estimated date of starting at e vertical deptite for all markers and tones peri
JUL 3 0 1984  OIL CONSERVATION DIVISION SANTA FE  I hereby bertiff that the foregoing is tide and correct  BIGNED  APR 23 1984  DIST. 6 N.M.  Production Clerk  DATE 4/16/84	This is to amend our Application for Permit to Drill date on 3/7/84. Original application's location was 1650 FNL	ed 2/13/84 and approved 2210 FEL of Sec. 22-
OIL CONSERVATION DIVISION SANTA FE  SANTA FE  Thereby certify that the foregoing is true and correct  SIGNED  A TITLE Production Clerk  DATE 4/16/84	This is to amend our Application for Permit to Drill date on 3/7/84. Original application's location was 1650 FNL	ed 2/13/84 and approved 2210 FEL of Sec. 22- er attached plat.
OIL CONSERVATION DIVISION SANTA FE  SANTA FE  I hereby certify that the foregoing is true and correct  BIGNED  And Marian  Production Clerk  DATE 4/16/84	This is to amend our Application for Permit to Drill date on 3/7/84. Original application's location was 1650 FNL	ed 2/13/84 and approved 2210 FEL of Sec. 22- er attached plat.
hereby fertile that the foregoing is true and correct  SIGNED A TITLE Production Clerk  DATE 4/16/84	This is to amend our Application for Permit to Drill date on 3/7/84. Original application's location was 1650 FNL T17S-R29E, we wish to change this to 1650 FNL 2310 FEL permit to Drill date on 3/7/84.	ed 2/13/84 and approved 2210 FEL of Sec. 22- or attached plat.
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(This space for Federal-or State office use)	This is to amend our Application for Permit to Drill date on 3/7/84. Original application's location was 1650 FNL T175-R29E, we wish to change this to 1650 FNL 2310 FEL permit to Drill date on 3/7/84. Original application's location was 1650 FNL T175-R29E, we wish to change this to 1650 FNL 2310 FEL permit to Drill date on 3/7/84. Original application is location was 1650 FNL T175-R29E, we wish to change this to 1650 FNL 2310 FEL permit to Drill date on 3/7/84. Original application is location was 1650 FNL T175-R29E, we wish to change this to 1650 FNL 2310 FEL permit to Drill date on 3/7/84. Original application is location was 1650 FNL T175-R29E, we wish to change this to 1650 FNL 2310 FEL permit to Drill date on 3/7/84.	APR 23 1984
	This is to amend our Application for Permit to Drill date on 3/7/84. Original application's location was 1650 FNL T17S2R29E, we wish to change this to 1650 FNL 2310 FEL per OIL CONSERVATION DIVISION SANTA FE	APR 23 1984  DIST. 6 N.M.  Sold New Market

# MEXICO OIL CONSERVATION COMMISS

Form C-102 Supersedes C-120 Effective 1-1-65

N.M. P.E. & L.S. NO. 676

All distances must be from the outer boundaries of the Section Well No. MARBOB ENERGY CORP. M DODD "A" 32 Section Township 178 29E EDDY Actual Footage Location of Well: line and 2310 feet from the feet from the Ground Level Elev. Producing Formation Dedicated Acreage: 3563.2 San Andres Grayburg Jackson 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? If answer is "yes," type of consolidation 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 M. DODD A #9- P+A M. DODD A 29- MARBOR OPERATOR - Cym.
04 5/31/84-1711 661. 016, I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief 3376 MEF GAS MARROR OPERATOR ON Carolyn Orris Position Production Clerk Company Marbob Energy Corp. 4/16/84 I hereby certify that the well location shown on this plat was platted 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. Date Surveyed 12/12/83 Registered Professional Engineer

2000

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1000

Rule 6:

M. Dodd "A" #32

Grayburg Jackson Seven Rivers Queen Grayburg Seven Rivers
Standard spacing unit: 40 acres

Rule 7:

NA

#### Rule 8:

- a. M. Dodd "A" #32 1650 FNL 2310 FEL Sec. 22-T17S-R29E M. Dodd "A" #29 - 1650 FNL 1370 FEL Sec. 22-T17S-R29E
- b. #32 5/25/84 # 29 - 3/3/84
- c. #32 5/31/84 #29 - 3/19/84
- d, None
- e. #32 15 bbl. oil, 45 mcf gas/day #29 - 20 bbl. oil, 43 mcf gas/day
- f. #9 plugged & abandoned unknown date
- g. Our M. Dodd A #32 was drilled because of the low permeability and low quality solution gas recovery mechanism require reduced spacing to efficiently drain the reservoir. Since both #32 and #29 experienced new reservoir type condtions we feel the additional drilling was justified.

# Paul G. White Engineering

OIL AND NATURAL GAS

July 13, 1984



Marbob Energy Corporation P.O. Drawer 217 Artesia, New Mexico 88210

Pertinent Engineering Data Mary Dodd "A" No. 32 Grayburg Jackson Eddy County, New Mexico

#### Gentlemen:

The subject well, located 1650' FNL and 2310' FEL, Section 22-T17S-R29E, Eddy County, New Mexico was completed June 27, 1984.

I have estimated the oil and gas reserves for the subject well based on a 20 acre well density. From the electrical log and analagous well studies I have estimated that the well will recover 14,190 barrels of oil and 22,640 MCF of gas.

A study of nearby producing well rates and initial potentials reveals that wells will have to be drilled on a 20 acre spacing to properly and adequately recover the oil and gas reserves in this field.

Therefore, it is my recommendation the in-fill wells be drilled and the well density be increased to at least 20 acre spacing.

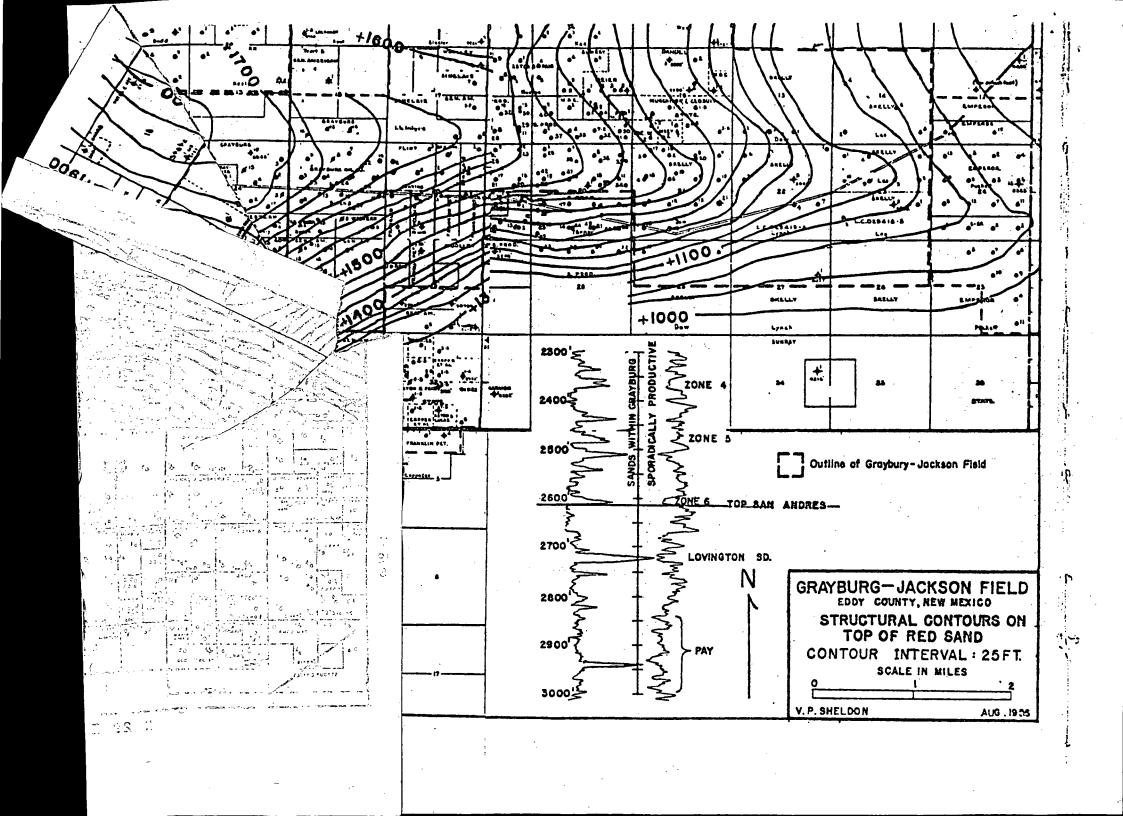
From my study the in-fill wells will characteristically exhibit new reservoir conditions.

Petroleum Engineer

Date

TOTAL TOTAL

English Francis



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#### Rule 11:

Notice of this infill request has been sent to Tenneco Oil Exploration & Production Co., 6800 Park Ten Blvd., Suite 200 North, San Antonio, Texas 79212, as the offset operator.

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Request for Infill Finding on

M. Dodd "A" #32

in accordance with Administrative

Procedures amended February 8, 1980

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Marbob Energy Corpo	oration	•	l	M. Dodd "A"
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## MEXICO OIL CONSERVATION COMMISS WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 14-65

All distances must be from the outer boundaries of the Section Well No. MARBOB ENERGY CORP. M DODD "A" 32 Section Township County 178 RDDY 29E Actual Footage Location of Well: line and feet from the Ground Level Elev. Producing Formation Dedicated Acreages 3563.2 San Andres Grayburg Jackson Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. an olymphics 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? If answer is "yes," type of consolidation \_ If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of 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 Commis-CERTIFICATION 1. DODD A #9- PAA M. DODD A 29 - MARBOR OPERATOR - Cyn. I hereby certify that the information con-OF 5/21/84- 1711 661. DIC, tained herein is true and complete to the 3376 MCF GAS Carolyn Orris MARRIB OPERATOR ON Position ABove Walls Production Clerk Marbob Energy Corp. 4/16/84 I heraby certify that the well location shown on this plat was platted from field nates of actual surveys made by me ar under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed 12/12/83 Registered Professional Engineer

Rule 6:

M. Dodd "A" #32

Grayburg Jackson Seven Rivers Queen Grayburg Seven Rivers
Standard spacing unit: 40 acres

Rule 7:

NA

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#### Rule 8:

- a. M. Dodd "A" #32 1650 FNL 2310 FEL Sec. 22-T17S-R29E M. Dodd "A" #29 - 1650 FNL 1370 FEL Sec. 22-T17S-R29E
- b. #32 5/25/84 # 29 - 3/3/84
- c. #32 5/31/84 #29 - 3/19/84
- d. None
- e. #32 15 bbl. oil, 45 mcf gas/day #29 - 20 bbl. oil, 43 mcf gas/day
- f. #9 plugged & abandoned unknown date
- g. Our M. Dodd A #32 was drilled because of the low permeability and low quality solution gas recovery mechanism require reduced spacing to efficiently drain the reservoir. Since both #32 and #29 experienced new reservoir type condtions we feel the additional drilling was justified.

# Paul G. White Engineering

OIL AND NATURAL GAS

July 13, 1984

Marbob Energy Corporation P.O. Drawer 217 Artesia, New Mexico 88210

Re: Pertinent Engineering Data Mary Dodd "A" No. 32 Grayburg Jackson Eddy County, New Mexico

#### Gentlemen:

The subject well, located 1650' FNL and 2310' FEL, Section 22-T17S-R29E, Eddy County, New Mexico was completed June 27, 1984.

I have estimated the oil and gas reserves for the subject well based on a 20 acre well density. From the electrical log and analagous well studies I have estimated that the well will recover 14,190 barrels of oil and 22,640 MCF of gas.

A study of nearby producing well rates and initial potentials reveals that wells will have to be drilled on a 20 acre spacing to properly and adequately recover the oil and gas reserves in this field.

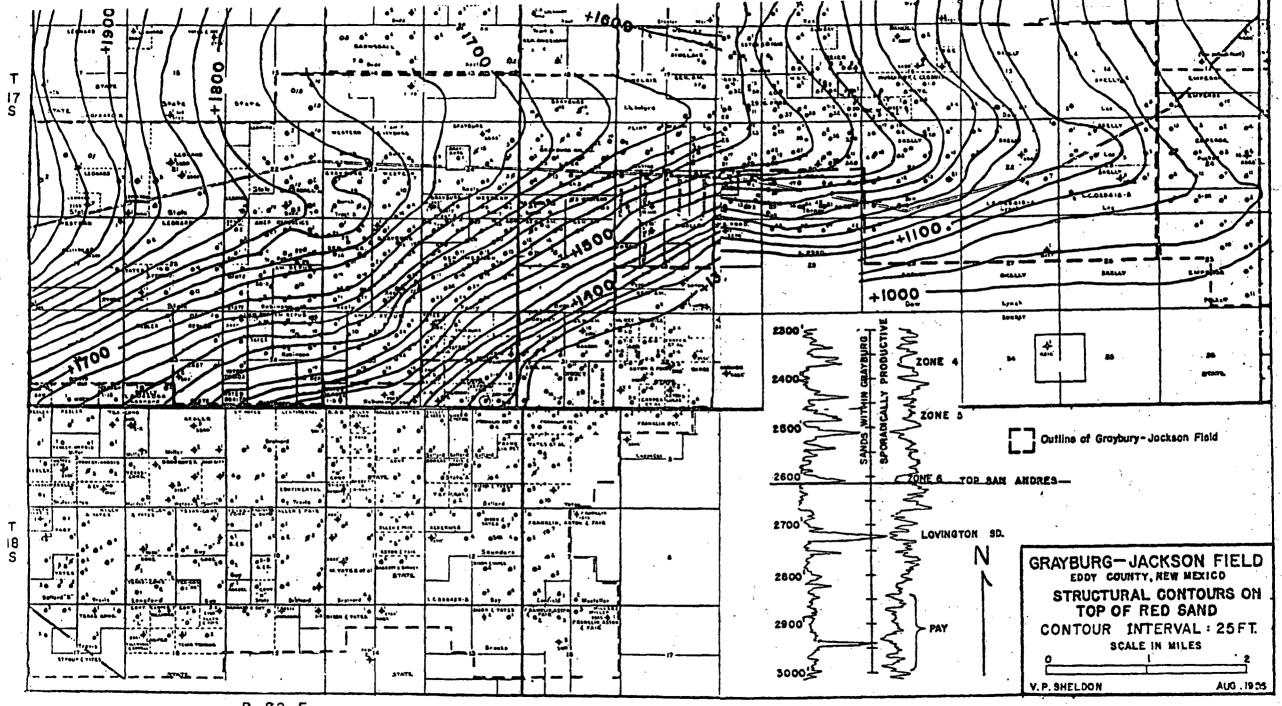
Therefore, it is my recommendation the in-fill wells be drilled and the well density be increased to at least 20 acre spacing.

From my study the in-fill wells will characteristically exhibit new reservoir conditions.

Signed Coul Duhite
Petroleum Engineer

Date

July 13, 1984



R 29 E

#### Rule 11:

Notice of this infill request has been sent to Tenneco Oil Exploration & Production Co., 6800 Park Ten Blvd., Suite 200 North, San Antonio, Texas 79212, as the offset operator.