STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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

ADMINISTRATIVE ORDER NFL 105

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. 35
Location:	Unit_ <u>M_Sec14_Twp17S_</u>		
II.			

THE DIVISION FINDS:

т

(1) 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 well to qualify as a new onshore production well under Section 103 of said Act, the Division must find, 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 drained 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	r which a finding is sought is to be completed in the <u>Grayburg Jack</u>	<u>50n</u>
(SR-Q-G6/5A)	Pool, and the standard spacing unit in said pool is 40	acres.
(4) That a 40	-acre proration unit comprising the SW/4	
of Sec. 14 , Twp.	. 17South, Rng. 29East , is currently dedicated to the M. Doss "A	, n
Well No. 18	located in Unit M of said section.	

(5) That this proration unit is (X) standard () nonstandard; if nonstandard, said unit was previously approved by Order No. NA .

(6) That said proration unit is not being effectively and efficiently drained by the existing well(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 23,680 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 for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the 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 pool.

IT 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.

DONE	at	Santa	Fe,	New	Mexico,	on	this	.28	day	of	November	, <u>19_84</u> .
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										1	Michael ?	Alogner
									DIVI	S10	N DIRECTOR	EXAMINER X

Received 11/8/84 Refune 11/28/84

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION P. O. Box 2088 SANTA FE, NEW MEXICO 87501

ADMINISTRATIVE ORDER

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. 35 Location: Unit <u>M</u> Sec. <u>14</u> Twp. <u>17 South</u> Rng. <u>29 East</u> Cty. <u>Elly</u>

II.

I.

THE DIVISION FINDS:

(1) 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 well to qualify as a new onshore production well under Section 103 of said Act, the Division must find, 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 drained 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 w	ell for whi	ch a finding i	s sought is t	to be comple	eted in the _	Groyburg Joc	kson
	<u>(5R-Q-6b/</u>	<u>54)</u> Pool	, and the stan	dard spacing	unit in sai	d pool is	40	acres.
			acre proratio					
of	Sec. 14	, Twp. 17	mile, Rng. 29	Ent, is cu	irrently ded	licated to th	ie M. Dodd	"10 4
	Woll No.	18 .	located is	n Unit M	of said sec	tion.		

(5) That this proration unit is (V 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 well(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 <u>23,680</u> 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 for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the 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 pool.

IT 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.

DONE at Santa Fe, New Mexico, on this day of

CI-OCD-Arteria USBLM - Roswell NAID+GEL-Hollon Well Fil - S.F

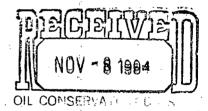
DIVISION

Request for Infill Finding on

M. Dodd "A" #35

in accordance with Administrative

Procedures amended February 8, 1980



SAPIA FE

M. Dodd . "A". #35

Pool: Grayburg Jackson Seven Rivers Queen@Grayburg San Andres Standard spacing unit: 40 acres

Rule 7:

NA

`Rule 8:

- a. M. Dodd "A" #35 330 FSL 330 FWL Sec. 14-T17S-R29E M. Dodd "A" #18 - 330 FSL 990 FWL Sec. 14-T17S+R29E
- b. #35- 9/1/84 #18 - 5/21/56
- c. #35- 10/5/84 #18 - 7/26/56
- d. None
- e. #35 23 bbl oil, 63 mcf gas/day #18 - 10 bbl oil, 1 mcf gas/day
- f. None
- g. The M. Dodd "A" #35 was drilled because the low permeability and low quality solution gas recovery mechanism require reduced spacing to efficiently drain the reservoir. Since both the #35 and #18 experienced new reservoir type conditions we feel the additional drilling was justified.

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Marbob Ener	gy Corporation			784.9 []	6. 5483 08 4445 1 N. Dodd ". 6. 7255 10.	
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preventer program, if any.	
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(This space for Federal or State office use)	
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APPROVED TITLE JULY CONDITIONS OF APPROVAL, IF ANY :	APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND
· · ·	SPECIAL STIPULATIONS

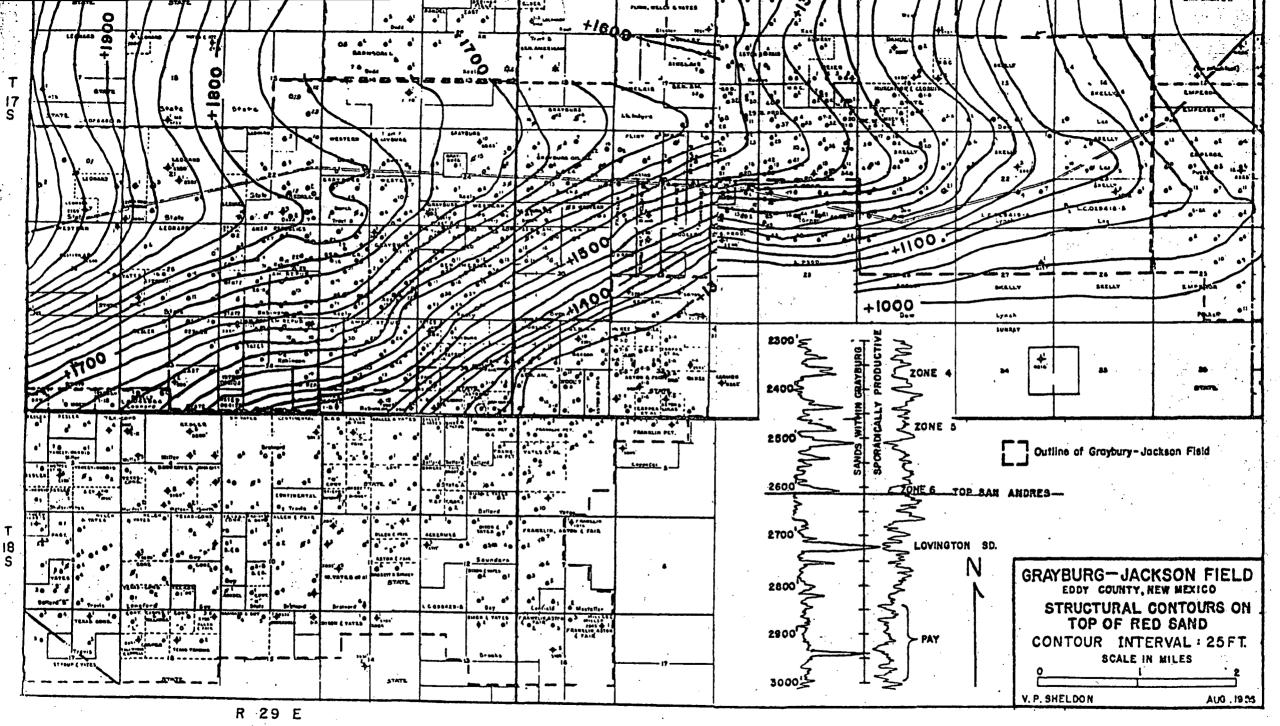
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Paul G. White Engineering

OIL AND NATURAL GAS

November 5, 1984

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

Re: Pertinent Engineering Data M. Dodd A No. 35 Grayburg Jackson Eddy County, New Mexico

Gentlemen:

The subject well, located 330' FSL and 330' FWL, Section 14-T17S-R29E, Eddy County, New Mexico was completed on October 6, 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 18,140 barrels of oil and 23,680 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 that 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 Signed

Date 11 - 5 - 84

PGW/sf

Rule 11:

Notice of this infill request has been sent to Phillips Oil Co., 4001 Penbrook, Odessa, Texas 79762, as the offset operator.

Marbob Energy Corporation

P. O. DRAWER 217 ARTESIA, NEW MEXICO 88210

November 6, 1984

- OFFICE PHONE -(505) 748-3303 (505) 746-2422

- NIGHT PHONES -(505) 746-6197 (505) 746-6500

Dear Sirs:

Notice is hereby given to you as an offset operator to the request of Marbob Energy Corporation to the New Mexico Oil Conservation Division for an infill finding on the following well:

> M. Dodd "A" #35 330 FSL 330 FWL Sec. 14-T175-R29E Eddy County, N.M.

This notice is given pursuant to the Special Rules and Regulations Natural Gas Policy Act Infill Finding Administrative Procedure (amended February 8, 1980). These special rules and regulations shall apply to effective and efficient drainage findings for completed infill wells pursuant to Section 271.305 of the final Rules and Regulations of the Federal Energy Regulatory Commission relating to Section 103 of the Natural Gas Policy Act of 1978.

If there are any questions please contact me.

Very truly yours,

Re: Notice to Offset Operators

uncella Carolyn **Purce**lla

Land Department

RPM/co

Request for Infill Finding on

M. Dodd "A" #35

8.0

in accordance with Administrative Procedures amended February 8, 1980

Rule 6:

M. Dodd "A" #35

Pool: Grayburg Jackson Seven Rivers Queen Grayburg San Andres Standard spacing unit: 40 acres

·**7**:

NA

Rule 8:

а.	M. Dodd "A" #35 - 330 FSL 330 FWL Sec. 14-T17S-R29E M. Dodd "A" #18 - 330 FSL 990 FWL Sec. 14-T17S-R29E	•
Ъ.	#35- 9/1/84 #18 - 5/21/56	2 7.7 000017
	#35- 10/5/84 #18 - 7/26/56	
đ.	None	4 8 9 1 1
е.	#35 - 23 bbl oil, 63 mcf gas/day #18 - 10 bbl oil, 1 mcf gas/day	1997 - 1944 1997 - 1994 1997 - 1994
f.	None	

g. The M. Dodd "A" #35 was drilled because the low permeability and low quality solution gas recovery mechanism require reduced spacing to efficiently drain the reservoir. Since both the #35 and #18 experienced new reservoir type conditions we feel the additional drilling was justified.

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Attached are: *i*. Location & acreage dedication plat

2. Supplemental drilling data

3. Surface use plan

IN ABOVE SPACE DESCRIPTS PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive some and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subserface locations and measured and true vertical depths. Give blower preventer program. If any.

Production Clerk 7/18/84 na TITL DATE 810 1920

(This space for Federal or State office use)

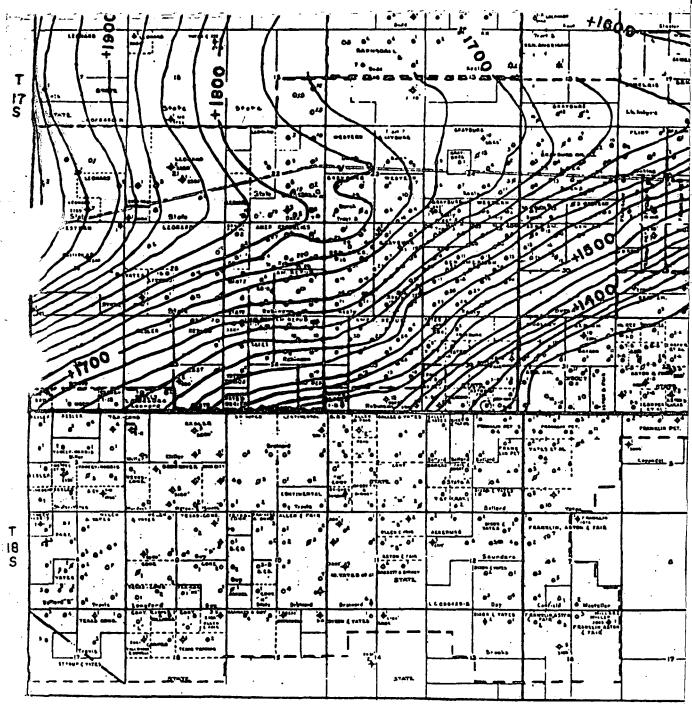
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Paul G. White Engineering OIL AND NATURAL GAS

November 5, 1984

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

Re: Pertinent Engineering Data M. Dodd A No. 35 Grayburg Jackson Eddy County, New Mexico

Gentlemen:

The subject well, located 330' FSL and 330' FWL, Section 14-T17S-R29E, Eddy County, New Mexico was completed on October 6, 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 18,140 barrels of oil and 23,680 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 that 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 Petroleum Engineer

Date 11 - 5 - 94

PGW/sf

Rule 11:

Notice of this infill request has been sent to Phillips Oil Co., 4001 Penbrook, Odessa, Texas 79762, as the offset operator.

Marbob Energy Corporation

P. O. DRAWER 217 ARTESIA, NEW MEXICO 88210

November 6, 1984

- OFFICE PHONE -(505) 748-3303 (505) 746-2422

NIGHT PHONES --(505) 748-6197 (505) 748-6500

Dear Sirs:

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> M. Dodd "A" #35 330 FSL 330 FWL Sec. 14-T17S-R29E Eddy County, N.M.

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If there are any questions please contact me.

Very truly yours,

Notice to Offset Operators

uralla Carolyn Purcella

Land Department

RPM/co