STATE OF NEW MEXICO

# ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

February 20, 1987

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE. NEW MEXICO 87501 (505) 827-5800

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

Attention: Carolyn Purcélla

Re: Administrative Order NFL-155

Dear Ms. Purcella:

Reference is made to your application for an Infill Well Finding 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 for the following described wells in Unit A of Section 34, Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico:

> Amoco State "A" Well No. 2 located 443 feet from the North line and 978 feet from the East line; and,

> Amoco State "A" Well No. 3 located 965 feet from the North line and 330 feet from the East line.

#### THE DIVISION FINDS THAT:

(1) Section 271.305(b) of the Federal Energy Regulatory Commission Interim Regulations promulgated pursuant to the Natural Gas Folicy Act of 1978 provides that, in order for in 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 waver of existing well-spacing requirements.

(2) By Division 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) The wells for which a finding is sought are to be completed in the Artesia Queen Grayburg San Andres Pool, and the standard spacing unit in said pool is 40 acres.

(4) A standard 40-acre oil proration unit comprising the NE/4 NE/4 (Unit A) of Section 34, Township 17 South, Range 28 East, is currently dedicated to the applicant's Amoco State "A" Well No. 1 located 650 feet from the North line and 660 feet from the East line (Unit A) of said Section 34.

(5) Said unit is <u>not</u> being effectively and efficiently drained by the existing well on the unit.

(6) The drilling and completion of the wells for which a finding is sought should result in the production of an additional 8,640 MCF and 11,200 MCF, respectively, of gas from the proration unit which would not otherwise be recovered.

(7) All the requirements of Division Order No. R-6013 have been complied with, and the wells for which a finding is sought are 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.

(8) 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 THAT:

(1) The applicant is hereby authorized to drill the Amoco State "A" Wells Nos. 2 and 3 as described above, as infill wells on the existing 40-acre standard oil proration unit comprising the NE/4 NE/4 (Unit A) of Section 34, Township 17, Range 28, NMPM, Artesia Queen Grayburg San Andres Pool, Eddy County, New Mexico. 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) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

Sincerely,

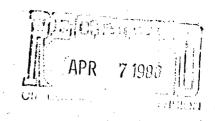
Hogaco 1

Michael E. Stogner Examiner

xc: N.M.O.C.D.- Artesia

Paul G. White Engineering

OIL AND NATURAL GAS



April 4, 1986

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87504-2088

Attn: Mr. Michael Stogner

Re: Marbob Energy Corporation Well Head Price Ceiling Determination NGPA of 1978

Dear Mike:

My studies for in-fill drilling and increased density of well bores to properly drain and produce reserves indicated that <u>at least</u> 20 acre spacing was necessary for the subject areas which were filed on.

Actually, the well density in my opinion could go to ten (10) acre spacing if pricing and economics will allow this.

The new wells exhibit starting rates which indicate an undisturbed reservoir even when drilled on the 10 acre proration units. Further, the very low order of permeability requires very large fracture treatments and stimulations for a well to respond and produce any hydrocarbons. None are produced naturally. Thirdly, there has been no evidence of any drainage or communication between the wells when drilled and developed on the 10 acre density.

Please refer to Marbob's application for the Amoco State A Well Nos. 2 and 3 and the Turkey Tract Section 3 Unit Well Nos. 28 and 29. These in-fill wells are characterized by the criteria as set out above. I respectfully request that you therefore, approve Marbob's applications.

Thanks for your help.

Best regards,

and Dudki

Paul G. White

cc: Marbob Energy Corporation Mr. Ray Miller

Paul G. (White Engineering

OIL AND NATURAL GAS

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Please refer to Marbob's application for the Amoco State A Well Nos. 2 and 3 and the Turkey Tract Section 3 Unit Well Nos. 28 and 29. These in-fill wells are characterized by the criteria as set out above. I respectfully request that you therefore, approve Marbob's applications.

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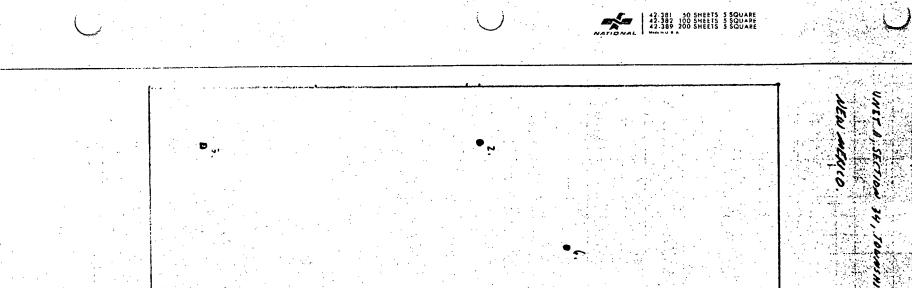
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Paul G. White

cc: Marbob Energy Corporation Mr. Ray Miller



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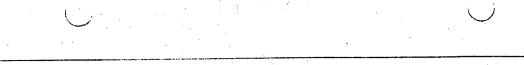
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# REQUEST FOR INFILL FINDING ON

#### AMOCO STATE #2

#### in accordance with Administrative

# Procedures Amended February 8, 1980

23.		.•		ND CEMENT PROGRAM			
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P.O. Drawer	217, Arte	sia, New	Mexico 88210	• •		Artesia	Qn Grbg SA
3. Address of Operat	of .		•	· · · · · · · · · · · · · · · · · · ·		10. Field an	d Pool, or Wildcat
Marbob Ener		tion				2	
2. Name of Operator			• · · · · · · · · · · · · · · · · · · ·		2046	9, Well No.	
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b. Type of Well	DRILL	•	DEEPEN	PLL		8. Farm or L	ease Name
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1. Type of Work				, ok i LUG DACK		7. Unii Acre	emont frame
and the second s	PLICATION F	OR PERMIT	T TO DRILL, DEEP ET	ARTESIA_OFFICE		MMM	<i>MIMMM</i>
OPERATON	<u>                                  </u>			O. C. D.		1111111	
U.S.G.S.						E-78.	
FILE		]		<b>DEC 11</b> 1985			6 Gue Losen tis.
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0111 0111		-4		2 RECEIVED BY	1		
		1	· · · · · · · · · · · · · · · · · · ·	- BROCHLED BY	n'	Revised 10-	1.78

 SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 \$/8"	24#	500'	300	Circulate
7 7/8"	5 1/2"	15.50#	3000'	600	Attempt to circ.
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We propose to drill to 500', run and cement  $\theta$  5/8" casing; reduce hole and drill on to 3000' to test the San Andres, run 5½" and cement; put on production.

IN ABOVE SPACE DESC TIVE 2015. SIVE BLOWOUT	RIBE PROPOSE	D PROGRAMI II	PROPOSAL 18	TO DEEPEN OF PLUS DACK, SIVE DATA ON P	RESENT PRODUCTIV	IE BONE AND PROPOSED NEW FR
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Signed ally	n Fre	cella.	Title	Production Clerk	Date	12/11/85
(This as	nce for State U	* <sup>()</sup> Original Sig Les A. Clar	nents		DATE	DEC 12 1985
		Supervisor D	strict H			

APFROVAL VALID FOR \_\_\_\_\_ DAYS FERMIT EXPIRES \_\_\_\_\_\_ BG UNLESS DRILLING UNDERWAY

CONDITIONS OF APPHOVAL, IF ANY

#### NEW MEXICO OIL CONSERVATION: COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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perator	MARBOB ENERGY	CORP.	Leas	• AMOCO	STATE A		Weil No. 2
nit Letter	Section	Township		Range	County	it	
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2. If more	the acreage dedi than one lease i and royalty).		-	-			e plat below. ereof (both as to working
	communitization,		rce-pooling. et	tc?		interests of	all owners been consoli-
this form No allow	n if necessary.) vable will be assig	gned to the well	until all inter	* rests have bee	n consolidat	ed (by comi	ted. (Use reverse side o nunitization, unitization approved by the Commis
÷				443'	-978' / 3	tained her best of my Name	CERTIFICATION ertify that the information con- ein is true and complete to the knowledge and belief.
	~ #/ A	AKBOR	1050 -	R.		Carolyn	PUICELLA
Amoco	ST. #1- M 6-11- 12-3	61 Gr 1- 84- 5	- My Buec 71, 907 b	Cum Cum	ED PROD.	Company	on Clerk Energy Corporation
	ST. #3- 1 12-3	1- 84- 5	0,907 B Open. SAN AN	hly.		Products Company Marbob 1 Date 12/11/85 i hernby shown on notes of a under my s is true of	on Clerk Energy Corporation certify that the well location this plat was plotted from field sctual surveys made by me of supervision, and that the same
	/2 - 3 /   	1- 84- 5	0,907 B Open. SAN AN	- COMPL		Products Company Marbob 1 Date 12/11/85 I hereby shown on nates of a under my is true of knowledge Date Survey NOVE	Con Clerk Energy Corporation Control of the sell location whis plat was plotted from field includi surveys made by me of supervision, and that the same and correct to the best of my and belief. MBER 2,1985 Trotessional Engineer
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# Rule 6:

Amoco State #2

Pool: Artesia Queen Grayburg San Andres

Standard spacing unit: 40 acres

Rule 7:

NA

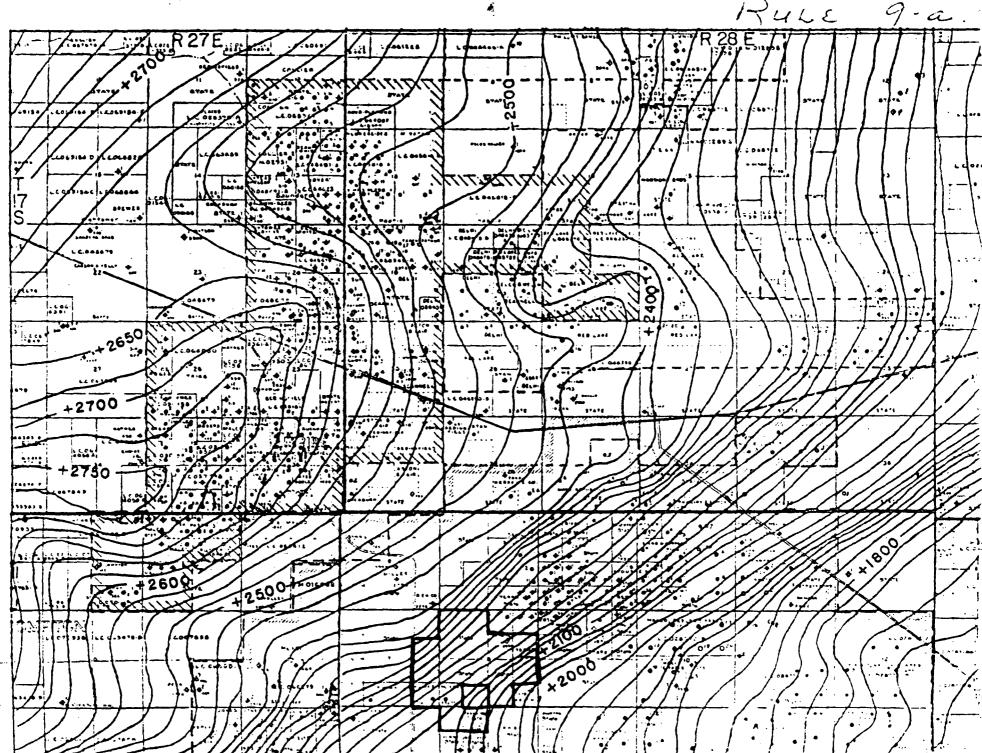
Rule 8:

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- a. Amoco State #1 505 FNL 660 FEL Sec. 34-T17S-R28E Amoco State #3 - 965 FNL 330 FEL Sec. 34-T17S-R28E Amoco State #2 - 443 FNL 978 FEL Sec. 34-T17S-R28E
- b. #1 4/25/61 #3 - 11/20/85 #2 - 12/12/85
- c. #1 6/22/61 #3 - 12/2/85 #2 - 1/1/86

d. None

- e. #1 4 bbl oil, no gas/day
  #3 21 bbl oil, 35 mcf gas/day
  #2 24 bbl oil, 82 mcf gas/day
- f. NA
- g. Amoco State A #2 was drilled because of the low permeability and low quality solution gas recovery mechanism require reduced spacing to efficiently drain the reservoir. Since the #2 experienced new reservoir type conditions we feel the additional drilling was justified.



Paul G. White Engineering

OIL AND NATURAL GAS

January 24, 1986

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

Re: Pertinent Engineering Data Amoco State A No. 2 Artesia Qn Grbg SA

Gentlemen:

The subject well, located 443 FNL and 978 FEL, Section 34-17S-28E, Eddy County, New Mexico, was completed January 2, 1986.

I have estimated the oil and gas reserves for the subject well based on a 20 acre density. From the electrical log and analagous well studies, I have estimated that the well will recover 17,319 barrels of oil and 8,640 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 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 etroleum Engineer

Date

<u>January 24, 1986</u>

Rule 11:

Notice of this infill request has been sent to Depco, Inc., 800 Central, Odessa, Texas 79761; Marathon Oil, Box 552, Midland, Texas 79702; Yates Petroleum Corp., 207 So. 4th St., Artesia, N.M. 88210; C.O. Fulton, 812 Clayton, Artesia, N.M. 88210; Hondo Oil & Gas Co., P.O. Box 1610, Midland, Texas 79702.

### REQUEST FOR INFILL FINDING ON

AMOCO STATE #3

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in accordance with Administrative

Procedures amended February 8, 1980

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Type of Well DRILL	С	>DEEPEN 🔲	Bin			8. Farm or L	.case Name State A
darie of Operator Marbob Energy		· · · · · · · · · · · · · · · · · · ·		<u>,</u>		9. Well No. 3	
P.O. Drawer 21	, Artesia, N.M.		P617	FROM THE NO P	th Line		nd Pool, ar Wildra: 2 Qn Grbg SA
330	-	INE OF SEC. 34			28E	12. County	
						Eddy	
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#### NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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	All dista	nces must be from	the outer bour	darses of the	Section	••
Operator MARBOB	ENERGY CORP.	Le	ase	АМОСО	STATE A	Well No.
Unit Letter Sect	on Township	k	Range		nty	
A	34 17	SOUTH	28 E	AST	EDDY	
Actual Footage Location (	of Well:			·····		
	from the NORTH	line and		30 feet from	n the EAST	line
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this form if nec No allowable w	essary.) ill be assigned to the v	vell until all int	erests have	been cons	olidated (by com	munitization, unitization, approved by the Commis-
		n n ga sata n		•1	toined her	CERTIFICATION entify that the information con- tain is true and complete to the knowledge and polici.
Amuco ST.	+	OPER.,	Con r	. 6-11-6	Carolyn Position Produc	n Purcella tion Clerk
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0 330 660 90	320 1680 1980 2310 26	0.005 0	1800 10	00 <b>0</b> 00	E Constitucoio N	RONALD J. EIDSON, 3239

Rule 6:

Amoco State #3

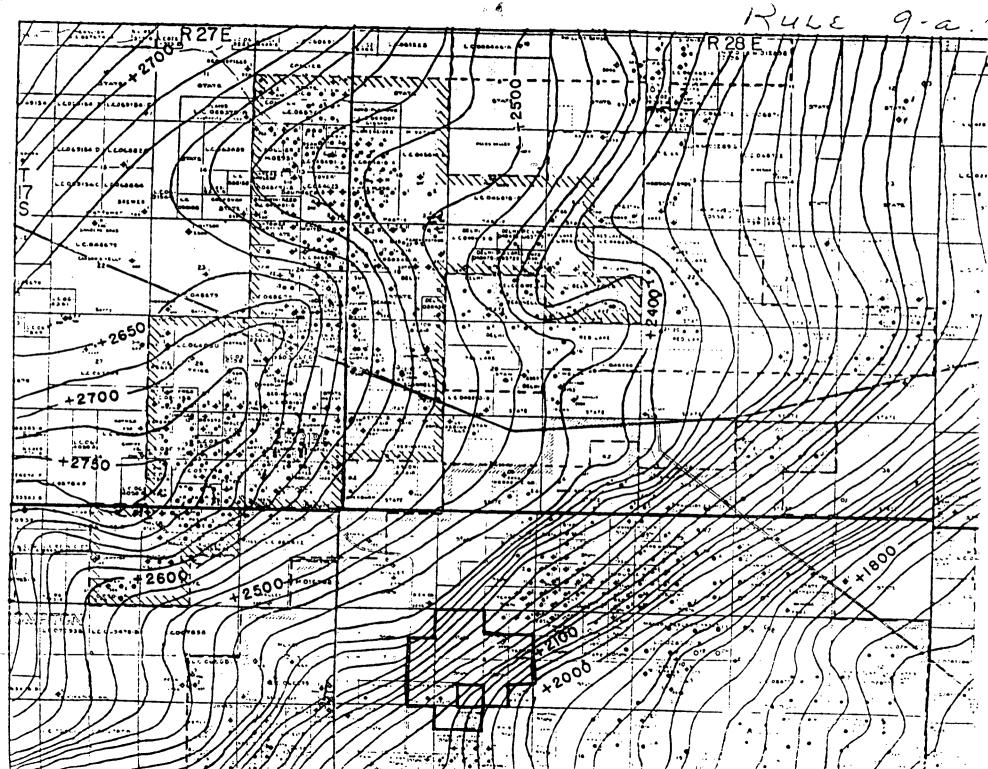
Pool: Artesia Queen Grabyurg San Andres Standard spacing unit: 40 acres

Rule 7:

NA

Rule 8:

a.	Amoco State #1 - 505 FNL 660 FEL Sec. 34-T17S-R28E Amoco State #3 - 965 FNL 330 FEL Sec. 34-T17S-R28E
	AMOCO State #3 - 905 FML 350 FEL Sec. 34-11/3-R20E
b.	#1 - 4/25/61 #3 - 11/20/85
с.	#1 - 6/22/61 #3 - 12/2/85
đ.	None at the second s
е.	#1 - 4 bbl oil/no gas/day #3 - 21 bbl oil, 35 mcf gas/day
f.	NA
g.	The Amoco State A #3 was drilled because of the low permeability and low quality solution gas recovery mechanism require reduced spacing to efficiently drain the reservoir. Since the #3 experienced new reservoir type conditions we feel the additional drilling was justified



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Paul G. White Engineering OIL AND NATURAL GAS

January 24, 1986

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

Re: Pertinent Engineering Data Amoco State A No. 3 Artesia Qn Grbg SA

Gentlemen:

The subject well, located 965 FNL and 330 FEL, Section 34-17S-28E, Eddy County, New Mexico, was completed December 3, 1985.

I have estimated the oil and gas reserves for the subject well based on a 20 acre density. From the electrical log and analagous well studies, I have estimated that the well will recover 14,000 barrels of oil and 11,200 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

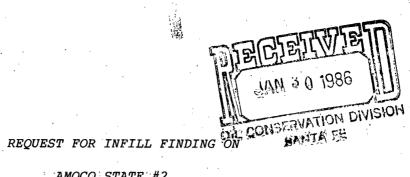
January 24, 1986

Rule ll:

• 2 • ...

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AMOCO STATE #2

in accordance with Administrative

Procedures Amended February 8, 1980

ENERGY AND MINERALS DEPARTMENT		200 DIVISION	ц ;	Form C-101 Revised 10-	1-78
DISTRIUUTION			t i		
SANTA FE	SANTA FE, NUW			_	Type of Louise
FILE	<b>1</b>	<b>DEC 11</b> 1985		87ATE 2	
U.S.G.S.	1		- <b>1</b>	S. State OIL	Gus Louan No.
LAND OFFICE	· ·	O. C. D.		E-78	32
OPERATOR		ARTESIA, OFFICE		mm	i//////////
APPLICATION FOR P	ERMIT TO DRILL, DEEPER	OK PLUG BAUK		///////	///////////////////////////////////////
e. Type of Work				7. Unit Agree	MALLALLA
			_	•	
b. Type of Well	DEEPEN	PLU		8. Form or Le	
		Americ Call			
	NCA	BINCLE X	20HE	Amoco St	ate A
. Name of Operator	•			9. Well No.	
Marbob Energy Corporation				2	
Address of Operator	· ·	· · · · · · · · · · · · · · · · · · ·		10. Field and	Pool, er Wildcat
P.O. Drawer 217, Artesia,	New Mexico 88210	• •		Artesia	On Grbg SA
. Location of Well	LOCATED 443	PEET FROM THE NO.	rth une	<i>innn</i>	11111111111
· · · · · · · · · · · · · · · · · · ·	COCATED	. PEET PROM THE	<u>ren</u> une	////////	
NO 978 PEET FROM THE EAS	LINE OF BEC. 34	TWP. 175 PSE.	28E		
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<i></i>	******	********	********	<u>iiiinn</u>	'/////////
		19. Froposed Depth	119A. Formation	mm	mmm
				·	20. Rotary or C.T.
		3000'	San And	tes	Rotary
. Lievations (Show whether DF, KT, etc.)	21A. Kind 6 Status Plug. Bond	21B. Drilling Contractor	· · ·	82. Appros.	Date Work will start
3671.9' GR	Statewide active	Larue Drilli	ng Co.	12/	12/85
<b>B</b> •	PROPOSED CASING A	ND CEMENT PROGRAM			
SIZE OF HOLE SIZE OF	CASING WEIGHT PER FOC	T SETTING DEPT	H SACKS OF	CENEUT	EST. TOP

	SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
•	12 1/4"	8 -5/8"	24#	500'	300	Circulate
	7 7/8"	5 1/2"	15.50#	3000'	600	Attempt to circ.
				•		

We propose to drill to 500', run and cement 8 5/8" casing; reduce hole and drill on to 3000' to test the San Andres, run  $5\frac{1}{2}"$  and cement; put on production.

		FERMIT EXPIRES 6-12-B6 UNLESS DRILLING UNDERWAY
ABOVE SPACE DESCRIBE PROPOSED PROGRAMI IF PROPOSAL IS E 20NE. SIVE BLOWOUT PREVIATED PROGRAM, IF ART. ereby perily that the information above is true and complete to the b		N PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PAG
ned alklyn Frescella_ Tile_	Production Clerk	Date 12/11/85
(This spice for State Use) Original Signed By Les A. Clements TITLE Supervisor District 11		DEC 12 1985

APPROVAL VALID FOR 180 DAYS

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

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

	All dist	sinces must be from	the outer boundaries	of the Section.		
MARBO	B ENERGY CORP.	Le	AMOCO	STATE A		Well No. 2
'nit Letter Sect	ion Township		Range	County ,		
A	34 17	SOUTH	28 EAST	EI	DDY	
ctual Footage Location	of Well:					
443 lee	t from the NORTH	line and	978	feet from the E	\ST 1	ine
round Level Elev.	Producing Formation	Po	lol		Dedica	ted Acreage:
3671.9'	San Andres	^ میں	Artesia Qn (	rbg SA	40	Acre
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dated by commu	•	n, force-pooling. "yes," type of c	etc? onsolidation			
this form if nec No allowable w	no," list the owners a essary.) ill be assigned to the or otherwise)or until a	well until all in	terests have been	n consolidated	(by communitiz	zation, unitization
			443'	-978'	I hereby certify th	IFICATION nat the information con rue and complete to th day and belief.
Amoco Sr.	# 1- MAKBOB 6-11-61 12-31-84-	СРЕК Сказвиесь 51, 907 г	Compres. Cum bul.	ED PROD.	Company Narbob Energ	lerk
				1 1	)ate	<u> </u>
Атосо 5г.	#3- MARRO, 12-2-85-	SAN H	- COMPLE NODES		2/11/85 I hernby certify shown on this pla notes of actual s under my supervis	that the well location twas plotted from field urveys made by me o tion, and that the same act to the best of my
<i>А́тосо</i> ST.	#3- MARRO.   12-2-85 -	Son H	10 SCA		2/11/85 I hernby certify shown on this pla notes of actual s under my supervis is true and corre	that the well location t was plotted from field urveys made by me o tion, and that the same act to the best of my lief. 2,1985 onal Engineer

Rule 6:

Amoco State #2

Pool: Artesia Queen Grayburg San Andres

Standard spacing unit: 40 acres

Rule 7:

NA

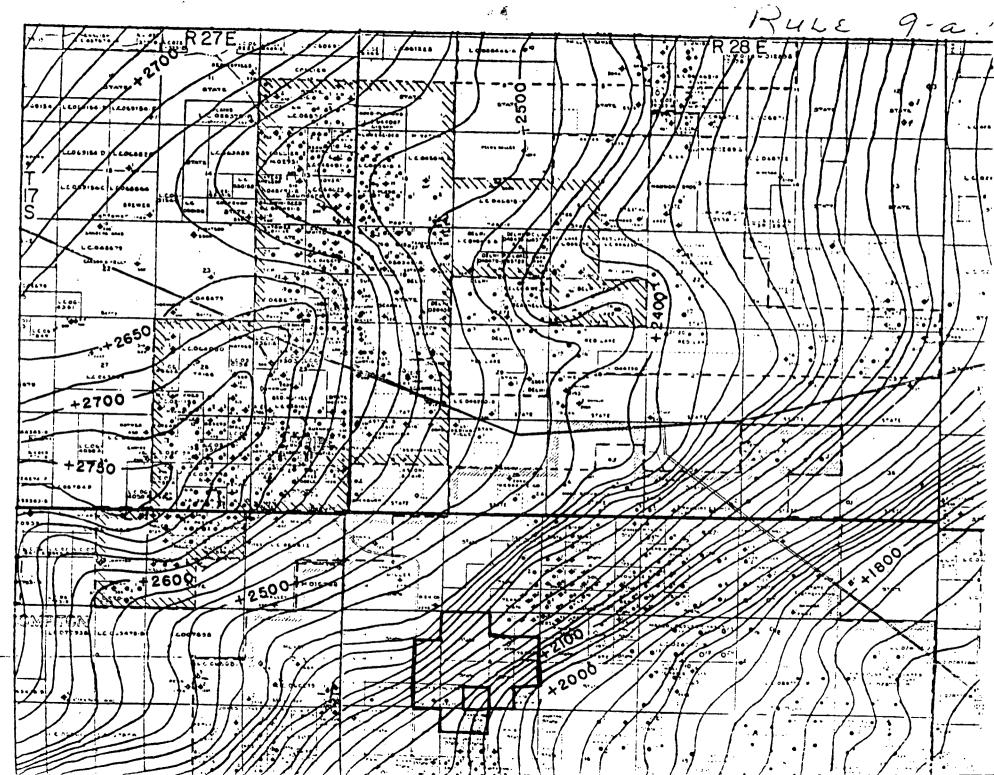
Rule 8:

- Amoco State #1 505 FNL 660 FEL Sec. 34-T17S-R28E
   Amoco State #3 965 FNL 330 FEL Sec. 34-T17S-R28E
   Amoco State #2 443 FNL 978 FEL Sec. 34-T17S-R28E
- b. #1 4/25/61 #3 - 11/20/85 #2 - 12/12/85
- c. #1 6/22/61 #3 - 12/2/85 #2 - 1/1/86

d. None

- e. #1 4 bbl oil, no gas/day
  #3 21 bbl oil, 35 mcf gas/day
  #2 24 bbl oil, 82 mcf gas/day
- f. NA
- g. Amoco State A #2 was drilled because of the low permeability and low quality solution gas recovery mechanism require reduced spacing to efficiently drain the reservoir. Since the #2 experienced new reservoir type conditions we feel the additional drilling was justified.

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# Paul G. White Engineering

OIL AND NATURAL GAS

January 24, 1986

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

Re: Pertinent Engineering Data Amoco State A No. 2 Artesia Qn Grbg SA

Gentlemen:

The subject well, located 443 FNL and 978 FEL, Section 34-17S-28E, Eddy County, New Mexico, was completed January 2, 1986.

I have estimated the oil and gas reserves for the subject well based on a 20 acre density. From the electrical log and analagous well studies, I have estimated that the well will recover 17,319 barrels of oil and 8,640 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 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

Date

January 24, 1986

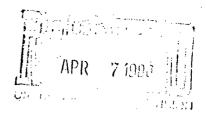
Rule ll:

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Notice of this infill request has been sent to Depco, Inc., 800 Central, Odessa, Texas 79761; Marathon Oil, Box 552, Midland, Texas 79702; Yates Petroleum Corp., 207 So. 4th St., Artesia, N.M. 88210; C.O. Fulton, 812 Clayton, Artesia, N.M. 88210; Hondo Oil & Gas Co., P.O. Box 1610, Midland, Texas 79702.

Paul G. White Engineering

OIL AND NATURAL GAS



April 4, 1986

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87504-2088

Attn: Mr. Michael Stogner

Re: Marbob Energy Corporation Well Head Price Ceiling Determination NGPA of 1978

Dear Mike:

My studies for in-fill drilling and increased density of well bores to properly drain and produce reserves indicated that <u>at least</u> 20 acre spacing was necessary for the subject areas which were filed on.

Actually, the well density in my opinion could go to ten (10) acre spacing if pricing and economics will allow this.

The new wells exhibit starting rates which indicate an undisturbed reservoir even when drilled on the 10 acre proration units. Further, the very low order of permeability requires very large fracture treatments and stimulations for a well to respond and produce any hydrocarbons. None are produced naturally. Thirdly, there has been no evidence of any drainage or communication between the wells when drilled and developed on the 10 acre density.

Please refer to Marbob's application for the Amoco State A Well Nos. 2 and 3 and the Turkey Tract Section 3 Unit Well Nos. 28 and 29. These in-fill wells are characterized by the criteria as set out above. I respectfully request that you therefore, approve Marbob's applications.

Thanks for your help.

Best regards,

and D

Paul G. White

cc: Marbob Energy Corporation Mr. Ray Miller



### REQUEST FOR INFILL FINDING ON

#### AMOCO STATE #3

in accordance with Administrative

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Procedures amended February 8, 1980

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OIL X GAS WELL	07NCR		BINGLE X	NULTIPLE	1	o State A
Name of Operator	······································	······································	·		9. Well No.	
Marbob Energy	Corporation	- <u></u>			3	
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			3000'	San Ai	ndres	Rotary
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· · · · · · · · · · · · · · · · · · ·	F	ROPOSED CASING AN	ND CEMENT PROGRAM	• • •		
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7 7/8"	5 1/2"	15.50#		600		Attempt to cir
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Ma manager a	to drill to 500'	_		a: <b>r</b> educe	hole and	,
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drill on to 3	000' to test the	run and ceme San Andres,	run 5 <sup>1</sup> <sup>4</sup> " casin run 5 <sup>1</sup> 4" and ce	ment; put	on prod	uction.
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we propose a drill on to 3	000' to test the	run and ceme San Andres,	run 5½" and ce	ment; put	on prod	uction.
we propose i drill on to 3	000' to test the	run and ceme San Andres,	nt 8 578" casin run 5 <u>1</u> " and ce	ment; put	on prod	uction.
we propose i drill on to 3	000' to test the	run and ceme San Andres,	run 5½" and ce	ment; put	on prod	uction.
we propose i drill on to 3	000' to test the	run and ceme San Andres,	nt 8 578" casin run 5 <u>1</u> " and ce	ment; put	on prod	OP 180 DAYS
we propose i drill on to 3	000' to test the	run and ceme San Andres,	nt 8 578" casin run 5 <u>1</u> " and ce	ment; put Approva Permit e	on prod L VALID F XPIRES	OR <u>180</u> DAYS
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drill on to 3	OPOSED PROGRAM, IF	San Andres,	run 5∦" and ce	APPROVA PERMIT E UNLESS	on prod L VALID F XPIRES	OR 180 DAYS
DOVE SPACE DESCRIBE PAR TOKE, SIVE BLOWOUT PARTYLINT	000' to test the	San Andres,	on plue back, give data	APPROVA PERMIT E UNLESS	on prod L VALID F XPIRES	OR 180 DAYS
DOVE SPACE DESCRIBE PAR ROME, CIVE BLOWOUT PARVENTE	OPOSED PROGRAM, IF 1	PROPOSAL IS TO DEEPEN	or Plus sath, Give Data	APPROVA PERMIT E UNLESS	on prod	URLED DAYS 5-14-82 UNDERWAY
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NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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		Ali distances must	be from the oute	r boundaries o	the Section.		
Operator MA	RBOB ENERGY C	ORP.	Lease	AMOC	O STAT	TE A	Well No. 3
Unit Letter	Section	Township	Range		County	•	
Α	34	17 SOUTH		28 EAST	E	EDDY	
Actual Footage Lo							
965 Ground Level Elev		ORTH line a	nd Pool	<u>330 te</u>	et from the E		line dicated Acreage:
3674.2	San Ai			Arte	sia Qn	Grbg SA	40
		ated to the subject	well by col				lat halow
2. If more t interest a	han one lease is and royalty).	e dedicated to the v	vell, outline	each and id	entify the c	ownership there	of (both as to work
dated by Yes If answer this form No allowa	communitization, No If a is "no;" list the if necessary.) ble will be assign	different ownership unitization, force-po answer is "yes," typ owners and tract do ned to the well until	oling.etc? e of consolid escriptions w all interests	lation which have a	ctually bee consolidate	en consolidated ed (by commun	. (Use reverse side itization, unitizati
forced-poo sion.	bling, or otherwise	) or until a non-stand	dard unit, eli	minating su	ch interest	1	ertification
				•		toined herein best of my kno Name	y that the information of is true and complete to swiedge and belief.
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	5-1,	14n Box OFE Barc, Cu. For Lal.	r Pro	)- <b>/3</b> -:	51-84	Company Marbob E Date 11/4/85	nergy Corpora
		TREASE TREASE	FESS7 ND SU NO. 675			shown on this notes of actua under my supe	ify that the well locat plat was plotted from fi al surveys made by me rvision, and that the so correct to the best of I belief.
						Registered Profe and/or Land Sur	ER 2,1985 Issional Engineer Veyor
						<b>r</b> ,	JOHN W. WEST,
0 330 660	190 1320 1650 19	80 2310 2640 2	000 1500	1000	800 a	4 <sup>-</sup>	IONALD J. EIDSON, 3

Rule 6:

Amoco State:#3

Pool: Artesia Queen Grabyurg San Andres

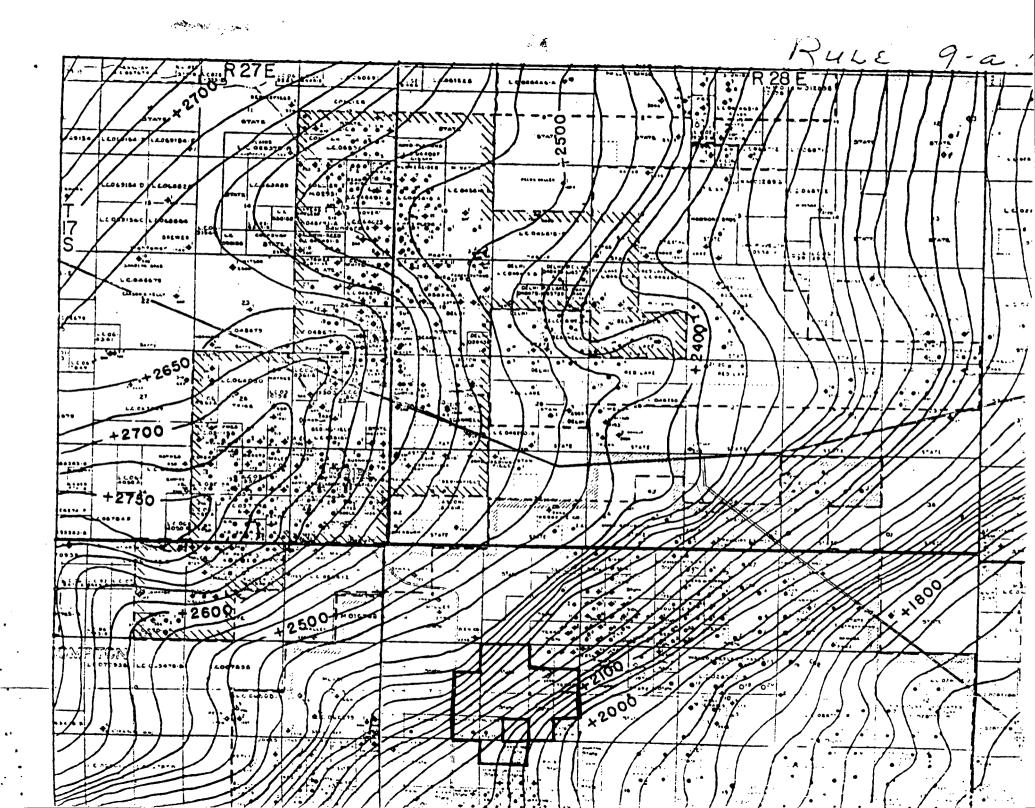
Standard spacing unit: 40 acres

Rule 7:

NA

Rule 8:

- a. Amoco State #1 505 FNL 660 FEL Sec. 34-T17S-R28E Amoco State #3 - 965 FNL 330 FEL Sec. 34-T17S-R28E
- b. #1 4/25/61 #3 - 11/20/85
- c. #1 6/22/61 #3 - 12/2/85
- d. None
- e. #1 4 bbl oil/no gas/day
  #3 21 bbl oil, 35 mcf gas/day
- f. NA
- g. The Amoco State A #3 was drilled because of the low permeability and low quality solution gas recovery mechanism require reduced spacing to efficiently drain the reservoir. Since the #3 experienced new reservoir type conditions we feel the additional drilling was justified.



Paul G. White Engineering

**OIL AND NATURAL GAS** 

January 24, 1986

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

Re: Pertinent Engineering Data Amoco State A No. 3 Artesia Qn Grbg SA

Gentlemen:

The subject well, located 965 FNL and 330 FEL, Section 34-17S-28E, Eddy County, New Mexico, was completed December 3, 1985.

I have estimated the oil and gas reserves for the subject well based on a 20 acre density. From the electrical log and analagous well studies, I have estimated that the well will recover 14,000 barrels of oil and 11,200 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 6

Petroleum Engineer

Date

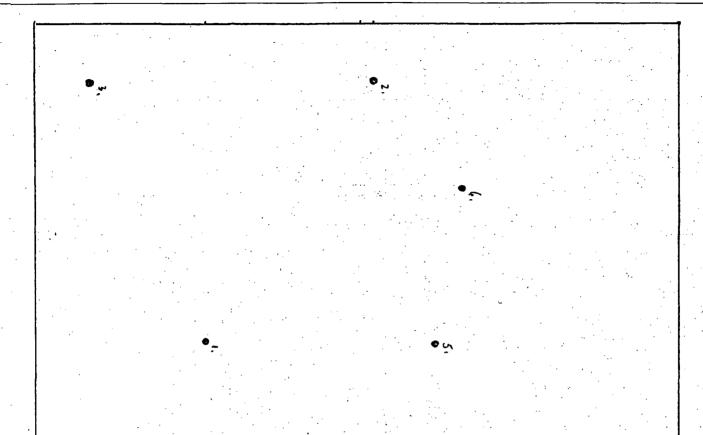
January 24, 1986

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Notice of this infill request has been sent to Depco, Inc., 800 Central, Odessa, Texas 79761; Marathon Oil Co., Box 552, Midland, Texas 79702; Yates Petroleum Corp., 207 So. 4th, Artesia, N.M. 88210; C.O. Fulton, 812 Clayton, Artesia, N.M. 88210; Hondo Oil & Gas Co., P.O. Box 1610, Midland, Texas 79702.





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42-381 50 SHEETS 5 SQUARE 42-382 100 SHEETS 5 SQUARE 42-389 200 SHEETS 5 SQUARE ? 5 ψ £  $\sim$ Marbob Energy Corporation Amono State "A" Well No. 1 ARCO Oil & Gos Company Empire Abs Unit E Will do. 363 1200'FNL - 1200'FEL ARCO Oild bas Company Empire Abo Unit E' Willo. 362 ARCO Oil & Eas Company n. Unit E Will No. 36 Sprd " 12/12/85 Marbob Energy Corporation Amoco State "A" We 11 No. 2 Spud: 1/30/79 650'FNL - 120'EEL Spud : 3/2/79 ARCO Dil + Gas Company Spud: 6/29/60 Artesia Queen Grayburg Son Andres Comple Cummulative Production as of 12/31/84 Empire Abo Unit 966.59 FM2 - 660 FEL 443'FNL - 978'FEL Spud: 4/25/61 505'FNL - 660'FEL Empire Abo Empire Abo Completion 731, 0021 - 1NJ, 029 Arteria Empire Abo Completion Spud: 4/12/78 Empire Abo Completion 0.1. Gus - 33235 mer Queen Gray 51907 B.O. Completion rburg San wr 11 200. Andres Completion 381 2005

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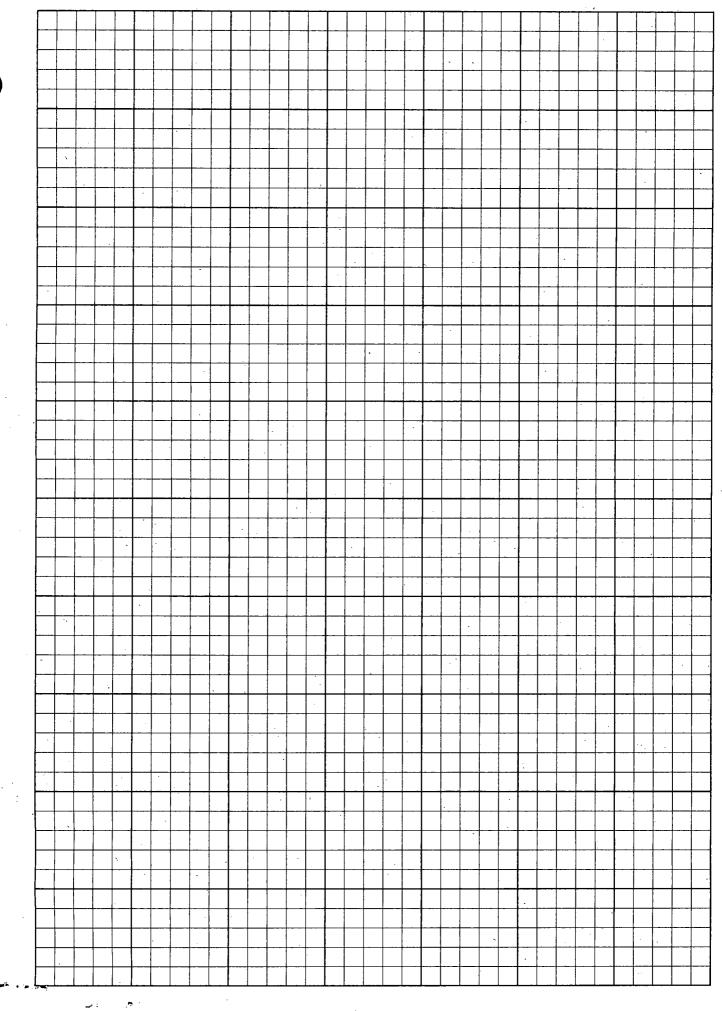
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