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CMD : ONGARD 03/24/ OG6IWCM INQUIRE WELL COMPLETIONS 0	24/04 15:36:03 OGOMES -TPF2
API Well No : 30 15 31432 Eff Date : 02-22-2001 WC Status : A Pool Idn : 73960 CARLSBAD;MORROW, SOUTH (PRO GAS) OGRID Idn : 17891 POGO PRODUCING CO Prop Idn : 26857 STATE W	А
Well No : 002 GL Elevation: 3311	
U/L Sec Township Range North/South East/West Pr	Prop/Act (P/A)
Lot Identifier: Dedicated Acre: 320.00 Lease Type : S Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :	
M0025: Enter PF keys to scroll PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF0 PF07 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF1	PF06 PF12 NXTREC

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CMD :	ONGARD	03/24/04 15:36:27
OG6IPRD INQUIRE :	PRODUCTION BY POOL/WELL	OGOMES - TPF2
OGRID Identifier : 17891 POGO)	PRODUCING CO	Page No: 4
API Well No : 30 15 31432	AD;MORROW, SOUTH (PRO GAS) Report Period - From : 01 199.	3 To : 01 2004
API Well No Property Name	Prodn. Days Production MM/YY Prod Gas (Volumes Well Dil Water Stat
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Reporting Period Total	(Gas, Oil) :	
E0049: User may continue PF01 HELP PF02 PF03 J PF07 BKWD PF08 FWD PF09	e scrolling. EXIT PF04 GoTo PF05 PF10 NXTPOOL PF11 NXTO	PF06 CONFIRM 3D PF12
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<u>,</u>			(See Rale 306 :	and Rule 1129)		,
	Â.	Applicant Pogo.	Producing Company			• .
		whose address is	. 0, Box 10340, MidT	and. TX 79702-7340		, ,
•		hereby requests an (exception to Rule 306 for	5	days or until	· · ·
32.3	0.34		,19	, for the following described	tank battery (or LACT):	
	in St	Name of Lease	itate W	Name of PoolCarls	bad South Morrow	
NN 201	12	P Encation of Battery:	: Unit Letter M. Section	3 Township 23	Range 26	•
RECEIV	RTESIA	Stamber of wells pro	oducing into battery 1			
U - • ·	Ba	Based upon oil prod	action of 0	barrels per day,	, the estimated * volume	•
· · · · · · · · · · · · · · · · · · ·	1.2	af ess so by flourd in	100			
		OF SE2 10 OF THEFT IS	MC	F; Value	per cay.	
	Ć.,	Name and location (of nearest gas gathering facilit	17; Value	per cay.	
	Ć C.	Name and location of	of nearest gas gathering facilit	17; Value	per cay.	
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	C. D. E.	Distance	S nearest gas gathering facilit Estimated cost quested for the following reas	r; Value ly: :of connection :ons: E1 Paso is doin	g maintenance	
	C, D. E.	Distance This exception is real on the compress	Stimated for the following reas	r; Value ly: cof connection ons: E1 Paso is doin	g maintenance	
	C, D. E.	Distance This exception is real on the compres	>f nearest gas gathering facilit Estimated cost guested for the following reas	r; Value ly: of connection ons: <u>E1 Paso is doin</u>	g maintenance	
	C, D. E.	Distance This exception is real on the compres	>f nearest gas gathering facilit 	r; Value y: of connection ons: <u>E1 Paso is doin</u>	<u>q maintenance</u>	
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PERA	C. D. E. TOR	Name and location of Distance This exception is rec on the compres	A nearest gas gathering facilit Estimated cost puested for the following reas 307	F; Value y: of connection ons: El Paso is doin Construction OIL CONSERVATION	g maintenance	
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PERA vereby c vision hu a and co gnature	C, D. E. TOR entify that myse been co implate to the	the rules and regulation mplied with and that the best of my knowledg	Some set gas gathering facility in the following reases and belief.	F; Value y: : of connection ons: E1 Paso is doin ons: E1 Paso is doin OIL CONSERVATIC Approved Until By	g maintenance	

* Gas-Oil ratio test may be required to verify estimated gas volume.

District Office State Lease - 6 cooles	Ē	Energy, Minerals	State of New Mexic and Natural Resou	o urces Department	t			Form C-1 Revised 1	05 1-1-89 BL
Fee Lease - 5 copies						ELL API NO.			'81
P.O. Box 1980, Hobbs, N	NM 88240		SERVATION	DIVISION	30	0-015-31432	?		C
DISTRICT II	NM 88210	S	anta Fe, NM	87505	5.	Indicate Type	of Lease	- 🕅	
	,				6.	State Oil & G	as Lease No.		
1000 Rio Brazos Rd, Az	tec, NM 87410								
WELL CO	MPLETION OF	RECOMPLE	TION REPORT A	ND LOG			·····	·······	
1a. Type of Well: OIL WELL	GAS WELL		OTHER		7.	Lease Name o	r Unit Agreeme	nt Name	
b. Type of Completion: NEW WORK WELL OVER		PLUG BACK	DIFF RESVR DOTHER		s	tate "W"		A	
2. Name of Operator	/	<u></u>		······································	8.	Well No.	ř.	<u></u>	
Address of Operator	Simpany -		MAN	· ····································	<u>3 (2</u>	Pool name or V	Vildcat 000	CEIVED	
P. O. Box 10340, N	lidland, TX 7970	2-7340	·		C	arisbad Sou	th Morrow	ARIES	AIA
4. Well Location	N 600	<u> </u>	Carth		660			10/00*	
Unit Letter	M : 000	Feet From The		Line and	000	Feet Fro	om The	wesi	Line
Section	3	Township	23 Range	26	NMPI	<u>.</u>		Eddy	County
10. Date Spudded 12/18/00	11. Date T.D. Reache 02/08/01	d 12. Date 0 02/2	Compl. (Ready to Prod.) 22/01	13. Elevation 3311	ns (DF &	RKB, RT, GR,	etc.) 14	. Elev. Ca	asinghead 3312
5. Total Depth 12000	16. Plug Back	. T.D. 1922	17. If Multiple Compl. I Many Zones?	How 18. Int Dril	ervals lled By	Rotary Tools		able Tools	
9. Producing Interval(s),	of this completion - T	op, Bottom, Name	l	l		120	0. Was Direct	tional Sur	vey Made 👘
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1 Type Electric and Oth	and a set Date						And a second sec		
	ier Logs Run			_		22. Was Well	Cored No	0	
CNDL-GR, DLL			FCOPD /Pond	ort all strings o	ot in 1	22. Was Well	Cored No	0	
CNDL-GR, DLL				ort all strings s	et in v	22. Was Well Vell)	Cored No		
CNDL-GR, DLL CASING SIZE 13-3/8	WEIGHT LB/	CASING R	ECORD (Repo	ort all strings s DLE SIZE 17-1/2	et in v	22. Was Well Vell) MENTING RE 5 sks - circ 8	Cored Ne		INT PULLED
CNDL-GR, DLL 23. CASING SIZE 13-3/8 9-5/8	WEIGHT LB/ 72 40	CASING R	ECORD (Repo TH SET H 500 500	ort all strings s DLE SIZE 17-1/2 12-1/4	et in v <u>CEM</u> 625	22. Was Well Vell) MENTING RE 5 sks - circ 8 0 sks - circ 9	Cored No CORD 4 sks 95 sks		INT PULLED
CNDL-GR, DLL 23. CASING SIZE 13-3/8 9-5/8 7	WEIGHT LB/ 72 40 29	CASING R	ECORD (Repo TH SET HO 500 500 765	ort all strings s DLE SIZE 17-1/2 12-1/4 8-1/2	et in v <u>CEM</u> 625 100 2120	22. Was Well Vell) MENTING RE 5 sks - circ 8 0 sks - circ 9 sks - TOC (Cored No CORD 4 sks 95 sks @ 2590		INT PULLED
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CNDL-GR, DLL 23. CASING SIZE 13-3/8 9-5/8 7 4. 5 26. Perforation record 11,648'-78' (4 spi 28. Date First Production 02/22/01 Date of Test 02/25/01 Flow Tubing Press. 2270 29. Disposition of Gas (S	WEIGHT LB/ 72 40 29 542 (Interval, size, and f4") Flowin Hours Tested 24 Casing Pressure old, used for fuel, ven	CASING R FT. DEP 2 9 LINER RECO BOTTOM 12000 number)	ECORD (Report TH SET H(500 500 765 DRD SACKS CEMENT 355 sks DRD SACKS CEMENT 355 sks	ort all strings s DLE SIZE 17-1/2 12-1/4 8-1/2 SCREEN 27. ACID, SH0 DEPTH INTER 11648-78 9 Size and type purr Oil - BbL 3 Gas - MCF 4535	et in v CEM 625 100 2120 25. 2-3. 2-3. DT, FR VAL 3 	22. Was Well vell) <u>AENTING RE</u> 5 sks - circ 8 0 sks - circ 8 0 sks - circ 9 sks - TOC (TUE SIZE /8 - 2-7/8 ACTURE, AMOUNT / F W - - - - - - - - - - - - -	Cored Ne CORD 4 sks 25 sks 20 2590 BING RECU DEPTH SI 11599 CEMENT, AND KIND M Well Statu ater - BbL. 2 Oil Gravity nessed By	AMOL ORD ET P SQUEE ATERIAL Produc Gas 15 - API - (Cc 55	JNT PULLED PACKER SET EZE, ETC. USED or Shut-in) ing - Oil Ratio 511667 prr.)
CNDL-GR, DLL CNDL-GR, DLL 23. CASING SIZE 13-3/8 9-5/8 7 4. SIZE 5 26. Perforation record 11,648'-78' (4 spinners) 28. Date First Production 02/22/01 Date of Test 02/25/01 Flow Tubing Press. 2270 29. Disposition of Gas (S Sold 30. List Atlachments	WEIGHT LB/ 72 40 29 TOP 9542 (interval, size, and f4") Flowin Hours Tested 24 Casing Pressure old, used for fuel, ven	CASING R FT. DEP 2 9 LINER RECO BOTTOM 12000 number) Production Method (ng Choke Size 18/64 Calculated 24 Hour Rate ted, etc.)	ECORD (Report TH SET H(500 500 500 765 0RD SACKS CEMENT 355 sks PRODUCTIO Flowing, gas lift, pumpin Prod'n For Test Period Gil - BbL. 0	ort all strings s 0LE SIZE 17-1/2 12-1/4 8-1/2 SCREEN 27. ACID, SH0 DEPTH INTER 11648-78 9 - Size and type purr Oil - BbL. 3 Gas - MCF 4535	et in v <u>CEN</u> 625 100 2120 25. 2-3. 2-3. DT, FR VAL 3 	22. Was Well Vell) MENTING RE 5 sks - circ 8 0 sks - circ 8 0 sks - circ 9 sks - TOC 0 TUE SIZE /8 - 2-7/8 ACTURE, AMOUNT / F W - BbL. 2 Test Wite Blaise	Cored No CORD 4 sks 25 sks 20 2590 BING RECO DEPTH SI 11599 CEMENT, AND KIND M Well Statu ater - BbL. 2 Oil Gravity Dessed By Campanella	AMOL ORD ET F SQUEE ATERIAL is (Prod. Produc Gas 15 - API - (Cc 55	JNT PULLED PACKER SET EZE, ETC. USED or Shut-in) ing - Oil Ratio 511667 orr.)
CNDL-GR, DLL CNDL-GR, DLL 23. CASING SIZE 13-3/8 9-5/8 7 24. SIZE 5 26. Perforation record 11,648'-78' (4 spinner) 28. Date First Production 02/22/01 Date of Test 02/25/01 Flow Tubing Press. 2270 29. Disposition of Gas (S Sold 30. List Attachments Logs, C-104, Sund	WEIGHT LB/ 72 40 29 542 (Interval, size, and f4") Flowin Hours Tested 24 Casing Pressure old, used for fuel, ven	CASING R FT. DEP 2 2 9 LINER RECC BOTTOM 12000 number)	ECORD (Report TH SET Ho 500 500 500 765 DRD SACKS CEMENT 355 sks PRODUCTIO Flowing, gas IIIt, pumpin Prod'n For Test Period Gil - BbL. 0	ort all strings s DLE SIZE 17-1/2 12-1/4 8-1/2 SCREEN 27. ACID, SHO DEPTH INTER 11648-75 N g - Size and type pum Oil - BbL. 3 Gas - MCF 4535	et in v CEM 625 100 2120 25 2-3 2-3 2-3 2-3 2-3 2-3 2-3 2-3 2-3 2-3	22. Was Well vell) <u>AENTING RE</u> 5 sks - circ 8 0 sks - circ 8 0 sks - circ 9 sks - TOC (TUE SIZE /8 - 2-7/8 ACTURE, AMOUNT / F W r - BbL. 2 Test With Blaise	Cored Ne CORD 4 sks 25 sks 20 2590 BING RECU DEPTH SI 11599 CEMENT, AND KIND M Well Statu ater - BbL. 2 Oil Gravity nessed By Campanella	AMOL ORD ET P SQUEE ATERIAL Is (Prod. Produc Gas 15 - API - (Cc 55	JNT PULLED PACKER SET EZE, ETC. USED or Shut-in) ing Oil Ratio 511667 orr.)
CNDL-GR, DLL CNDL-GR, DLL 23. CASING SIZE 13-3/8 9-5/8 7 4. 5 26. Perforation record 11,648'-78' (4 spi 28. Date First Production 02/22/01 Date of Test 02/25/01 Flow Tubing Press. 2270 29. Disposition of Gas (S Sold 30. List Attachments Logs, C-104, Sund 31. I hereby certify that th	WEIGHT LB/ 72 40 29 542 (interval, size, and f4") Flowin Hours Tested 24 Casing Pressure old, used for fuel, ven	CASING R FT. DEP 2 9 LINER RECO BOTTOM 12000 number)	ECORD (Report TH SET H(500 500 500 765 DRD SACKS CEMENT 355 sks PRODUCTIO Flowing, gas lift, pumpin Prod'n For Test Period Oil - BbL. 0 form is true and complet	ort all strings s DLE SIZE 17-1/2 12-1/4 8-1/2 SCREEN 27. ACID, SHO DEPTH INTER 11648-78 9 Size and type purf Oil - BbL. 3 Gas - MCF 4535	et in v <u>CEM</u> 625 1000 2120 25. 2-3. 2-3. 0T, FR VAL 3 	22. Was Well vell) <u>MENTING RE</u> 5 sks - circ 8 0 sks - circ 8 sks - TOC (TUE SIZE /8 - 2-7/8 ACTURE, AMOUNT F W F W T- BbL. 2 Test Witt Blaise and belief	Cored Ne CORD 4 sks 25 sks 20 2590 BING REC DEPTH SI 11599 CEMENT, AND KIND M CEMENT, AND KIND M Well Statu ater - BbL. 2 Oil Gravity campanella	AMOL ORD ET F SQUEE ATERIAL Produc Gas 15 - API - (Cc 55	JNT PULLED PACKER SET EZE, ETC. USED or Shut-in) ing - Oil Ratio 511667 orr.)

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INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all specific tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T
T. Blinebry	T. Gr. Wash	T. Morrison	тт.
T. Tubb	T. Delaware Sand	T. Todilto	<u> </u>
T. Drinkard	T. Bone Springs	T. Entrada	T
Т. Аbo	T	T. Wingate	T
T. Wolfcamp	T	T. Chinle	T
T. Penn	T	T. Permain	T
T. Cisco (Bough C)	T	T. Penn. "A"	T
	OIL OR GAS	SANDS OR ZONES	
No. 1, from	to	No. 3, from	to
No. 2, from	to		to
	IMPORTA	NT WATER SANDS	
Include data on rate of	water inflow and elevatior	n to which water rose in hole).
No. 1, from	to	feet	
No. 2, from	to	feet	
No. 3, from	to	feet	
ПТН		(Attach additional sheet if n	00000000)

URD (Attach additional sheet if necessary)

From	То	Thickness in Feet	Lithology		From	То	Thickness in Feet	Lithology
		1345.0	Basal Anhydrite	$\neg \Gamma$				
		1671.0	Delaware Lime					
		1825.0	Bell Canyon					
		2415.0	Cherry Canyon					
		3561.0	Brushy Canyon			1		
		5119.0	Bone Spring					
		8662.0	Wolfcamp					
		10033.0	Cisco					
		10304.0	Strawn					
		10906.0	Atoka Lime					
		11450.0	Morrow Clastics					
		11912.0	Mississippian					
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LALAN TREAST STORES

WELL NAME ANI	ONUMBER	State "W" #2	
LOCATION	Section 3,	T-23-S, R-26-E, Eddy Cou	nty, New Mexico
OPERATOR	Pogo Produ	cing Co., P.O. Box 10340), Midland, Texas 79702
DRILLING CONTR	RACTOR TM	BR/Sharp Drilling, Inc., P.	0. Drawer 10970, Midland, TX 79702

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth Degrees @ Depth			
.75 @ 253'	1.00 @ 2,112'	1.00 @ 5,937'	.25 @ 9,047'		
.75 @ 458'	1.00 @ 2,320	1.25 @ 6,187'	1.00 @ 9.269'		
1.00 @ 891'	1.00 @ 2,460'	1.50 @ 6,439'	1.00 @ 9.512'		
5.50 @ 1,182'	.25 @ 2,933'	1.50 @ 6,688'	1.50 @ 9,811'		
5.25 @ 1,242'	.25 @ 3,183'	1.50 @ 6,879'	1.50 @ 10,046'		
5.00 @ 1,296'	.25 @ 3,434'	1.25 @ 7,157'	1.50 @ 10,248		
4.75 @ 1,329'	1.00 @ 3,686'	1.00 @ 7,416'	2.00 @ 11,038'		
3.25 @ 1,392'	1.00 @ 3,936'	3.25 @ 7,688'	1.25 @ 11,377'		
3.25 @ 1,506'	.50 @ 4,186'	2.75 @ 7,784'	2.00 @ 11,619'		
2.50 @ 1,569'	.75 @ 4,436'	3.00 @ 7,854'	1.50 @ 11,964'		
1.50 @ 1,631'	.75 @ 4,687'	2.50 @ 8,013'			
1.50 @ 1,673'	.50 @ 4,969'	1.25 @ 8,223'			
1.75 @ 1,798'	.75 @ _5,218'	1.00 @ 8,325'			
1.00 @ 1,892'	1.25 @ 5,467'	.75 @ 8,580'			
1.00 @ 1,988'	1.00 @ 5,686'	1.00 @ 8,859'			

Drilling Contractor TMBR/Sharp Drilling, Inc.

22

Subscribed and sworn to before me this

THLEEN ROPER NOTARY PUBLIC State of Texas Comm. Exp. 09-25-2003 Commission 9/25/03

By Phillips, Vice President Ð February day of 2001 α 00 ORR Kathleen Roper Notary Public

County, Texas

Midland

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11 or lot no.	Bottom H	Township	Range	Lotion	Feet from the	North/Se	outh Line	Feet from the	East/West line	County	
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Submit 3 Copies to Appropriate District Office	State of Energy, Minerals and Na	New Mexico tural Resources Department	015	Form C-103 Revised 1-1-89
DISTRICT P.O. Box 1980, Hobbs, NM 88240	OIL CONSERV 2040 Pache	ATION DIVISION	WELL API NO.	<u> </u>
DISTRICT II P.O. Drawer DD, Artesia, NM 8821	0 0	NM 87505	sIndicate Type of Lease	
DISTRICT III 1000 Río Brazos Rd., Aztec, NM 8	7410		«State Oil & Gas Lease	No.
SUNDF (DO NOT UŞE THIS FORM DIFFEREN	RY NOTICES AND REPORTS OF FOR PROPOSALS TO DRILL OR TO D IT RESERVOIR. USE "APPLICATION F (FORM C-101) FOR SUCH PROPOSAL	N WELLS EEPEN OR PLUG BACK TO A OR PERMIT" S.)	7Lease Name or Unit A State "W"	greement Name
IType of Well: OIL GA				
2Name of Operator Pogo Producing Company		EINFAITIAL	⊌Well No. 2	
aAddress of Operator P. O. Box 10340, Midland	, TX 79702-7340		Pool name or Wildcat Carlsbad South M	forrow
•Well Location Unit Letter <u>M</u> :	660 Feet From The Sout	h Line and 660	Feet From The	West Line
Section	3 Township 23	Range 26		Eddy County
	10Elevation (Show whe 3311' GR	ther DF, RKB, RT, GR, etc.)		
11 Cł	neck Appropriate Box to Indica	ate Nature of Notice, Re	eport, or Other Da	ata
NOTICE	OF INTENTION TO:	SUB	SEQUENT REF	PORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON			ALTERING CASING
TEMPORARILY ABANDON	CHANGE PLANS		DPNS.	PLUG AND ANBANDONME
PULL OR ALTER CASING		CASING TEST AND CEM	IENT JOB	
OTHER:		OTHER: Spud, set su	urface, intermediate &	& production casing
Researcher Proposed or Completed work) SEE RULE 1103. Spud & Set Surface Csg - I 12/20/00. Ran 13 jts 13-3/ 2% CaCl2 @ 14.8 ppg. Pli NU BOP's & test to 1000# Intermediate & Production cmt'd w/ 800 sks 65:35 PO to surface. WOC 31 hrs. I 01/11/01. Logged 8-1/2" h 5997'. BJ cmt'd 1st stage v sks Cl "C" + .15% FL52 + . reached @ 0500 hrs 02/08 .3% CD32 + .15% SMS + . 2970'.	MIRU TMBR/Sharp #10. Spud well (8" 72# K-55 ST&C csg. TPGS @ 50 ug down @ 0315 hrs 12/21/00. Circ ok. Csg - Drld 12-1/4" hole to 2500'. TD Z @ 12.4 ppg followed by 200 sks C VD BOP's & make cut-off. Weld on V ole w/ Baker Atlas. Ran 231 jts 7" 29 w/ 900 sks Cl "H" + .3% FL52 + .3% 75% CD32 @ 14.09 ppg. Did not cir /01. Logged 6-1/8" hole w/ Baker At 1% R3 @ 15.7 ppg. Top of liner @ 5	2010 give periment dates, including e @ 2100 hrs 12/18/00. Drid 17 0'. BJ cmt'd w/ 425 sks 65:35 84 sks to surface. WOC 24 h reached @ 2015 hts 12/24/0 I "C" + 2% CaCl2 @ 14.8 ppg VH & test to 2000# ok. Drid 8 3# N-80 LT&C csg. Float sho CD32 + .15% SMS + .1% R3 c. Ran temp survey. TOC @ las. Ran 76 jts 5" 18# P-110)542'. ND BOP's & make cut-	Sumated date of starting at 7-1/2" hole to 500'. T 5 POZ @ 12.8 ppg fo irs. Make cut-off. Wo 0. Ran 57 jts 9-5/8" 4 0. Plug down @ 1800 1-1/2" hole to 9765'. e @ 9765'. Float col @ 15.7 ppg. Circ. C 2590'. Drid 6-1/8" h liner. BJ cmt'd w/ 35 off. Weld on WH. C	ny proposed D reached @ 1830 hrs llowed by 200 sks CI "(eld on WH & test to 50(40# K-55 ST&C csg. B 0 hrs 12/27/00. Circ 95 TD reached @ 1845 hr lar @ 9714'. DV tool @ cmt'd 2nd stage w/ 122 toole to 12,000'. TD 5 sks CI "H" + .3 FL52 BL ran 02/19/01. TOC
I hereby certify that the information SIGNATURE CATHY TO TYPE OR PRINT NAME Cathy To (This space for State Use)	n above is true and complete to the best of my Jerry Dell' omberlin ORIGINAL SIGNED BY TIM	Knowledge and belief.	Ţ	DATE 03-02-01 ELEPHONE NO. 915-685-8
				LIGHT T O XIMP

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District I State 1625 N. French Dr., Hobbs, NM \$\$240 Energy Mincl District II Energy Mincl \$11 South First, Ariesia, NM \$\$210 District III District III Oil Con 1000 Rio Brazos Road, Aztec, NM \$7410 204 District IV 204 2040 South Pacheco, Santa Fe, NM \$7505 Santa Operator Name and Address POGO PRODUCING COMPANY P.O. BOX 10340 MIDLAND, TEXAS 79702-4345 'Property Code 'Property Code 'Property 'Surface UL or id tool Sector				State of New Ainerals and Conservati 2040 South Santa Fe, N RE-ENTE RE-ENTE	w Mexico Natural R on Divisi Pacheco M 87505 R. DEEP	MOV REC OCD - CO- SPLUG 30-	Fort from the Lase West line Carpy					
L	"M"	3	235	26E		660'	SOUTH	660'		WEST	EDDY	
٢			• •	Proposed]	Bottom Hole I	Location If I	Different H	from Surface	.		1 .	
	UL ór lot ao.	Section	Townshap	Range	Lation	Fox fon the	North/South I	DS .				
	U (CA)	UD95 RLSBAD	MORRO	Proposed Pool 1 J SOUTH	(73960)	· · · · · · · · ·		Opera that m	tor to c lay app	comply with a lly.	II FAA rules	
ſ	" Work T	ype Code		Weil Type Co	ROT	Cabie Rocary		"Lesse Type (lade	3311	nd Levei Elevanon 1]
F		itpie		" Proposed Dep		" Formation		"Conraco	*		" Spud Date	1
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	12½"		9	5/8"	40.5	25	00'	1200 s	5x	SUR	FACE	<u> </u>
Ŀ	* ⁸¹ /2"		7''		26	10,	400'	1000	Sx	200	0' from Su	n .
L	* 7 7/8	-6 1/6	3" <u>5½</u>	or 5"	15#N-80_20	<u>&17 12,</u>	100'	2500	Sx.	200	0' from Su	± .
1	Describe the ;	reposed pro	ogram. If thi	s application is a	DEEPEN or PLUC	BACK, give the	dam on the pre	sent productive 2	one and ;	proposed new pr	ductive mne.	
	Cescribe the bior 1. Dril 2. Dril 750	wout preven 1 25" 1 1 17½"	nole to hole to	40'. Set 500'. Ru	ditional sheers if need 40' of 20" in and set 5	mary. conductor 00' of 13	and ceme 3/8" 54.	nt to surf 5# J-55 ST	face r I&C c.	with Redi- asing. Cer	-mix . ment with	
ŀ.	3. Dril 1200	1 12½" Sx. of	hole to f Class	2500'. R	tun and set $x + \frac{1}{2}$ Floc	2500' رو 2500' 2500' 2500' 2500' 2500' 2500' 2500 2500	5/8" 40 2% CaCl.	.5# J-55 S	ST&C (cem	casing. Co ent to sur	ement with	
	*4. Dril 7 7/ in ti addi	1 8½" H 8" and hree st tives.	nole to drill t tages DV	10,300' i to TD of 1 tool at	f no lost c 2,100'.and : 7000' and 4	irculation run 12,100 500'. Ceme	problem ' of 5½" nt with	s are enco 20# & 17# 2500 Sx. c	ounte: N-80 of Cla	red reduce O LT&C cas ass "H" ce	e hole to sing. Cement ement +	
7	5. If l run with 6 1/3 Class	ost cir 7" 26∦ 1000 S 8" hole s "H" c	culatio N-80 ca Sx. of C to 12, cement #	n problem sing Ceme lass "H" 100' and additive	occur in the second occur in the second seco	he Strawn stages. St ditives to ner from T	of other age tool p of cem D to 10,	formation s set at 7 ent 2000' 200' and c	is dr: '500' from ement	ill to 10, and 4500' surface. t with 400	400' and cement Then drill Sx. of	
13	l herecy certify	tal te ali	ormacon give	m above is the s	und complete to the b	ensí	OIL	CONSERV	ATIO	N DIVISIO)N	
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mar.	

Phone:

Canditions of Approval:

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P.O. Box 1980, Hobbs, NM 88341-1980 Form C-102 Energy, Minerals and Natural Resources Department. Revised February 10, 1994 Submit to Appropriate District Office DISTRICT II State Lease - 4 Copies P.O. Drawer BD, Artenia, NM 88211-0719 Fee Lease - 3 Copies OIL CONSERVATION DIVISION DISTRICT III 1000 Rio Brazos Rd., Astec, NM 87410 P.O. Box 2088 Santa Fe, New Mexico 87504-2088 AMENDED REPORT DISTRICT IV P.0. Boz 2088, Santa Fe, NM 87504-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name CARLSBAD MORROW SOUTH 73960 Property Code **Property** Name Well Number STATE W 26857 2 OGRID No. **Operator** Name Elevation 17891 POGO PRODUCING COMPANY 3311 Surface Location Feet from the North/South line UL or lot No. Section Township Range Lot Idn Feet from the Bast/West line County Μ 3 23 S 26 E 660 SOUTH 660 WEST EDDY Bottom Hole Location If Different From Surface North/South line Lot Idn Feet from the UL or lot No. Section Township Range Feet from the East/West line County Dedicated Acres Joint or Infill Consolidation Code Order No. 320 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION Å. OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and bekef. sura łQ Simature Lanica Joe T. Printed Name Agent Title 1/03/00 Date SURVEYOR CERTIFICATION 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 NAD 27 NME supervison, and that the same is true and Y=483094 N correct to the best of my benef. X=514294 E NAD 27 GEOGR. 30, 2000 OCTOBER Date Surveyed LAT. 32"19'41.28"N LONG. 104"17'13.41"W JLP Protessional Surveyor 103/00 -660'-W.O. NUT 00-11-1362 Certificate 'No. RONALD J. BOSON. 3239 GARY GEEDSON. 17641

State of New Mexico

DISTRICT I

VICINITY MAP



SCALE: 1'' = 2 MILES

SEC. <u>3</u> TWP.<u>23</u>—S RGE.<u>26</u>—E SURVEY <u>N.M.P.M.</u> COUNTY <u>EDDY</u> DESCRIPTION <u>660' FSL & 660' FWL</u> ELEVATION <u>3311</u> OPERATOR <u>POGO PRODUCING COMPANY</u> LEASE <u>STATE W</u>

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1'' = 2000'

SEC. <u>3</u> TWP. <u>23-S</u> RGE. <u>26-E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>EDDY</u> DESCRIPTION <u>660' FSL & 660' FWL</u> ELEVATION <u>3311</u> OPERATOR <u>POGO PRODUCING COMPANY</u> LEASE <u>STATE W</u> U.S.G.S. TOPOGRAPHIC MAP KITCHEN COVE, N.M. CONTOUR INTERVAL - 20'

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117

	COUNTY	Eddy	POOL South	h Carlsbad	- Morrod	s Gas
	TOWNSHIP	23 South	RANGE 26E	ast NMI	M	
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Description : 2 Sec. 12 (R-3731, 5-1-69) Ext: 2 Sec.1 (R-4032, 10-1-70)-All Sec. 11 (R-4080, 1-1-71)-2 Sec. 12 (R-4146, 6-1-71) -2 Sec. 2 (R-4194, 10-1-71)-2 Sec. 2 (R-4279, 4-1-72)

Ext: E/2 Sec1, N/2 Sec3, All Sec 13 #14, E/2 Sec 21, S/2 Sec 22, All Sec 23, All Sec 13 #14, E/2 Sec 21, S/2 Sec 22, All Sec 23, 24, 26, 27 # 35 (R-4915, 12-1-74)

All Sec 23, 24, 26, 27 # 35 (R-4915, 12-1-74) Ext: \$\frac{5}{2} Sec 16 (R-5015, 6-1-75)Ext: \frac{5}{2} Sec 10, \frac{1}{2} Sec 34(R-5204, 5-1-76) Ext: \$\frac{5}{2} Sec 34 (R-5456, 7-1-77)Ext: \frac{7}{2} Sec 28 (R-5876, 12-1-78) Ext: \$\frac{5}{2} Sec 36 (R-6923, 3-9-82)

Ext: 5/2 Sec. 3, All Sec. 4, 5/2 Sec. 5 (R-7222, 2-25-83)

Ext: 1/2 Sec. 36 (R-7279, 5-17-83) EXT: E/2 SEC 17 (R-9096, 1-1-90)

Ext: All Sec. 15, E/2 Sec. 20, W/2 Sec. 21, N/2 Sec. 22 (R-9578, 9-10-91)

Ext: 5/2 Sec. 5 (A-11678, 10-23-01) Ext: 1/2 Sec. 18 (R-11691, 11-28-01) Ext: 1/2 Sec. 10 (R-11725, 2-28-02)

POOL South Carlsbad - Strawn Gas COUNTY Eddy TOWNSHIP 23 South RANGE 26 East NMPM 24-27-25--30 33 -34-- 36 -Description : ⁵/2 Sec. 1 (R-3972, 3-1-76) Ext: ¹/2 Sec 1, ³/₂ Sec 2 (R-5226, 7-1-76) Ext: ¹/2 Sec. 12(R-10459, 9-11-15) Ext: ¹/2 Sec. 2 (R-11005, 7-24-98)

County EDDY

520



Ex+: N/2 Sec. 28 (R-10822, 6-16-97) Ext: N/2 Sec. 27 (R-11005, 7-24-98) Ex+ 5/2 Sec. 15 (R-11277, 11-15-99) Ext: 5/2 Sec. 9 (R-11444, 8-31-00

Ext: 0/2 Sec. 10 (K-11534,2-8-01) Ext: NUY Sec. 16 (K-11583, 5-7-01) Ext: 1/2 Sec.9(R-11815,8-13-02)

IN THE DISFRICT COURT OF REAL PRODUCT OF STATUTION CONFIGNATION CONFIGNATION CONFIGNATION CONFINANCE PRODUCT OF REAL PRODUCT OF	1 - 761 - 7
Tr IS FURTHER ORDERED, ANJHORD AND DECREED the Order No. R-1670-w of the Oll Conservation Commission of Neal for manyle. Tr IS FURTHER ORDERED, ANUTOGED AND DECREED that one further, proposed for the Oll Conservation Commission of Neal for manyle the Oll Conservation Commission for the Gran and the proposed for the Next State and Near Stricture, proposed for the Next State New Stricture, so room New St	

the testimony of one of the Oil Conservation Commission's employeek were operating on a Surface Acreage formula without stating whethe be practically obtained without waste, substantially in proportion Commission, in posting its 100% Surface Acreage forthe basis of the surface acreage involved in the Oil Conservation out the law under which they were setting the allowables for said Annotated, requires the Commission to alford to the owner of each amount, so far as can be practically determined, in so far as can called attention to the fact that other fields in the State or not any of such fields had been so established over the objection: or protest of any operators or owners therein; together with or gas, or both, property in a pool the opportunity to produce his just and equi-The Oil Commission, in said hearing, wholly failed to carry Commission's definition of the pool, and therefore, that portion field in that, Section 65-3-14A of the 1953 New Mexico Statutes that the quantity of the recoverable oil or gas, or both, under this purpose to use his just and equitable that it would be difficult to obtain a fair reservoir and tract acted unreasonably, unlawfully, arbitrarily and capriciously in gas reserve figure. The undisputed evidence of the Petitioners allocating the production from the Carlsbad-Strawn solely upon table share of the oil and gas, or both, in the pool, being an that the foundationary facts as required by both the above Commission Order R-1670-M is void and should be set aside. such property bears to the total recoverable oil of the reservoir energy. in the pool, and for The Dil share mula, Was ч The Oil Conservation Commission, in consolidated cases, heard Carlsbad-Morrow and the Carlsbad-Strawn Pools at and near Carlsbad This opinion deals solely with the Carlsbad-Strawn and it is both the testimony of their employees and of the parties and their wit-28182 the Opinion of the Court that the Oil Conservation Commission No. 28180 IN THE DISTRICT COURT OF EDDY COUNTY nesses in connection with the prorationing of gas under No. OF NEW MEXICO OPINION OF THE COURT STATE OIL CONSERVATION COMMISSION OF NEW MEXICO, OIL CONSERVATION COMMISSION OF NEW MEXICO, ANTWEIL, DELTA COMPANY and MABEE Petitioners, Petitioners, Respondent. MICHAEL P. GRACE II and CORINNE GRACE, Respondent.

and

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New Mexico.

PETROLEUM COMPANY,

MORRIS]

-27-

a result of unreasonable, unlawful, arbitrary and capricious action energy so that, according, to the findings of the Commission, ther From the foregoing, it follows that the Commission's Findings not supported reservoir reserves and the tract reserves and the manner of allowcorrelative rights; in that the wells within the tracts having the would be drainage uncompensated from the higher capacity wells to the The undisputed testimony is that the wells in the Carlsbad-Conservation Commission Order R-1670-M, denominated Special Rules on the part of the Oil Conservation Commission and that this case be remanded to the Oil Conservation Commission with directions to his use of a fair share of the reservoir energy in so produc-Strawn vary greatly as to productibility and reserves and that a greatest amount of reserves, would only be allowed to produce an Surface Acreage allocation would violate, instead of protecting, IS THEREFORE ORDERED by the Court that Findings of Fact, C.8(A) be, and the same is hereby, set aside as null and void as IS FURTHER ORDERED by the Court that that portion of 011 fix an allocation formula in compliance with the applicable proeach producer to produce his fair share of the reserves and are null and void and equal amount to the wells with a great deal less reserves and both testified at length as to the manner of determining the the weaker wells which could still produce the allowable. are 73, 74, 78, 80 and 82, are vacated and held for naught, and; DONE this day of November, 1973. 80 and 82, 69, 73, 7⁴, 78, of Fact, numbered 66, 69, by substantial evidence. visions of law. numbered 66, Ħ 티 ing. same 1ng for foundationary facts 414 Pacific Second 496, could be ascertained by standard geologica 70 New Mexico 310, 373 Pacific Second 809 and El Paso Natural Gas recovered without waste. The El Paso case relaxed the Continental the order in the first instance. The witness Stametz having testified foundationary facts in this case, did admit that under engineering It is the opinion of the Court that this conclusion of impractibility will not stand (2) The total amount of recoverable gas in the pool; (3) The producers' tract bears to the total amount of recoverable gas in the arrived at proportion can be the validity of to the conclusion that it would not be practical to determine the quoted statute and Section 65-3-29H, 1953 NMSA, and the cases of These Statutes and cases, definitely portion that the total amount of recoverable gas under each prodetermined and the tract reserves for each producing tract could the undisputed testimony of the witnesses Williams and Raney who Company versus 011 Conservation Commission, 76 New Mexico 268, (1) The amount of recoverable gas under each producers' tract; substantial evidence in the face of such an admission and of Commission, in carrying out its duty, to find: mind of Court, such requirements would be necessary to establish a new å, Continental Oil Company versus Oil Conservation Commission, and geological principles that the reservoir capacity could the an order replacing a formula in current use and, in or their equivalents, are necessary requisites to the also be determined after expenditures and work. Oil Company case to the extent that it held pool and; (4) What proportion of the and engineering practices. require the Oll as

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION ON ITS OWN MOTION TO CONSIDER INSTITUTING GAS PRORATIONING IN THE SOUTH CARLSBAD-STRAWN GAS POOL, EDDY COUNTY, NEW MEXICO.

R. 1670-M overturnal by District Court Ruling No. 28180 (5th)

RECORDS CENTER

CASE NO. 4694 Order No. R-1670-M

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on April 19, 1972, at Hobbs, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this <u>30th</u> day of June, 1972, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That by Order No. R-3922, dated February 20, 1970, the Commission created the South Carlsbad-Strawn Gas Pool, Eddy County, New Mexico, for the production of gas from the Strawn formation.

(3) That the horizontal limits of said pool have been extended from time to time by order of the Commission.

(4) That the horizontal limits of the South Carlsbad-Strawn Pool, as defined by the Commission, at the time of hearing this case comprise the following described area:

EDDY COUNTY

TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM Section 30: S/2 Section 31: All

TOWNSHIP 23 SOUTH, RANGE 26 EAST, NMPM Section 1: E/2

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM Section 6: All

-2-CASE NO. 4694 Order No. R-1670-M

(5) That in February, 1972, there were four wells completed in the Strawn formation within the above-described area and connected to gas transportation facilities.

(6) That in February, 1972, one of the wells was connected to the Transwestern Pipeline Company gas gathering system and that three of the wells were connected to the Llano, Inc. gas gathering system.

(7) That the South Carlsbad Field comprises the South Carlsbad-Atoka, South Carlsbad-Strawn, and South Carlsbad-Morrow Gas Pools.

(8) That the capacity of the Transwestern system serving the South Carlsbad Field is 90,000 MCF of gas per day.

(9) That the capacity of the Llano system serving the South Carlsbad Field is 30,000 MCF of gas per day.

(10) That the Transwestern system that takes gas from the South Carlsbad-Strawn Gas Pool also takes gas from the South Carlsbad-Morrow and South Carlsbad-Atoka Gas Pools.

(11) That the Llano system that takes gas from the South Carlsbad-Strawn Gas Pool also takes gas from the South Carlsbad-Morrow Gas Pool.

(12) That at the time of this hearing, the most recent month for which production figures were available was February, 1972.

(13) That there is evidence that additional wells have been connected to gas transportation facilities in the South Carlsbad-Morrow Gas Pool and South Carlsbad-Strawn Gas Pool after February 1, 1972, and prior to the time of this hearing.

(14) That there is no substantial evidence that the manner of producing the wells in the South Carlsbad-Strawn Gas Pool has been substantially altered after February, 1972.

(15) That it can reasonably be inferred that the manner of producing the wells in the South Carlsbad-Strawn Gas Pool is substantially the same as it was in February, 1972.

(16) That at the time of the hearing of this case, the Transwestern system was purchasing approximately 41,000 MCF of gas per day from the three pools combined.

(17) That in February, 1972, the Transwestern system purchased an average of 1815 MCF of gas per day from the one well in the South Carlsbad-Strawn Gas Pool connected to its system.

(18) That at the time of this hearing Transwestern was

-3-CASE NO. 4694 Order No. R-1670-M

purchasing gas from thirteen wells producing from the South Carlsbad-Morrow Gas Pool, three wells producing from the South Carlsbad-Strawn Gas Pool, and one well producing from the South Carlsbad-Atoka Gas Pool.

(19) That considering the fact that Transwestern's system is taking gas from thirteen wells in the South Carlsbad-Morrow Gas Pool and from one well in the South Carlsbad-Atoka Gas Pool, its capacity to take gas from the South Carlsbad-Strawn Gas Pool is substantially less than 90,000 MCF of gas per day.

(20) That in February, 1972, the Llano system purchased 10,393 MCF of gas per day from three wells producing from the South Carlsbad-Strawn Gas Pool.

(21) That at the time of this hearing Llano was purchasing gas from three wells producing from the South Carlsbad-Strawn Gas Pool and three wells producing from the South Carlsbad-Morrow Gas Pool.

(22) That considering the fact that Llano's system is presently connected to three wells in the South Carlsbad-Morrow Gas Pool, its capacity to take gas from the South Carlsbad-Strawn Gas Pool is substantially less than 30,000 MCF of gas per day.

(23) That the combined capacity of the two systems for gas from the South Carlsbad-Strawn Gas Pool is substantially less than 120,000 MCF of gas per day.

(24) That the shut-in pressures of the four wells in the South Carlsbad-Strawn Gas Pool connected to gas transportation facilities in February, 1972, ranges from a low of 3421 psi to a high of 3955 psi; that the average of said pressures is 3742 psi.

(25) That considering the nature of the South Carlsbad-Strawn Gas Pool reservoir and the high pressures existing in the pool, the daily deliverability of a well at 850 psi is essentially the same as it would be at 870 psi or 900 psi.

(26) That the producing capacity of the one South Carlsbad-Strawn well connected to the Transwestern system in February, 1972, at 850 psi is approximately 22,500 MCF of gas per day; that the capacity of said well at absolute open flow is approximately 23,012 MCF of gas per day.

(27) That the combined producing capacity of the three South Carlsbad-Strawn wells connected to the Llano system in February, 1972, at 850 psi is approximately 51,500 MCF of gas per day; that the capacity of said wells at absolute open flow is approximately 59,350 MCF of gas per day. -4-CASE NO. 4694 Order No. R-1670-M

(28) That the combined producing capacity of the four South Carlsbad-Strawn wells connected to gas transportation facilities in February, 1972, at 850 psi is approximately 74,000 MCF of gas per day; that the capacity of said wells at absolute open flow is approximately 82,362 MCF of gas per day.

(29) That since February, 1972, Transwestern has connected to its system two additional wells producing from the South Carlsbad-Strawn Gas Pool.

(30) That wells in the subject pool connected to the Transwestern system and as described in Findings (26) and (29), above, are capable of producing gas substantially in excess of Transwestern's capacity to take gas from the South Carlsbad-Strawn Gas Pool.

(31) That wells in the subject pool connected to the Llano system as described in Finding No. 22, above, are capable of producing gas substantially in excess of Llano's capacity to take gas from the South Carlsbad-Strawn Gas Pool.

(32) That the combined capacity of the wells connected to both systems is substantially in excess of the capacity of the combined gas transportation facilities in the pool.

(33) That the Transwestern system is currently purchasing approximately 41,000 MCF of gas per day at an average pipeline pressure of 870 psi from the seventeen wells in the South Carlsbad-Atoka, South Carlsbad-Strawn and South Carlsbad-Morrow Gas Pools connected to its system.

(34) That the Llano system is currently purchasing from the South Carlsbad-Strawn and South Carlsbad-Morrow Gas Pools substantially less than 25,000 MCF of gas per day at an average pipeline pressure of 900 psi.

(35) That in February, 1972, Transwestern purchased approximately 1815 MCF of gas per day from the one well connected to its system producing from the South Carlsbad-Strawn Gas Pool.

(36) That at the time of this hearing Transwestern was purchasing gas from thirteen wells producing from the South Carlsbad-Morrow Gas Pool, three wells producing from the South Carlsbad-Strawn Gas Pool, and one well producing from the South Carlsbad-Atoka Gas Pool.

(37) That in February, 1972, Llano purchased approximately 10,393 MCF of gas per day from the three wells connected to its system producing from the South Carlsbad-Strawn Gas Pool.

-5-CASE NO. 4694 Order No. R-1670-M

(38) That at the time of this hearing Llano was connected to three wells producing from the South Carlsbad-Morrow Gas Pool and three wells producing from the South Carlsbad-Strawn Gas Pool.

(39) That considering the fact that Transwestern is taking gas from thirteen wells in the South Carlsbad-Morrow Gas Pool and one well in the South Carlsbad-Atoka Gas Pool, it must be taking substantially less than 41,000 MCF of gas per day from the South Carlsbad-Strawn Gas Pool.

(40) That considering the fact that Llano is connected to three wells in the South Carlsbad-Morrow Gas Pool, it must be taking substantially less than 25,000 MCF of gas per day from the South Carlsbad-Strawn Gas Pool.

(41) That both systems combined are currently purchasing substantially less than 66,000 MCF of gas per day from the South Carlsbad-Strawn Gas Pool.

(42) That the reasonable market demand for gas from the wells in the South Carlsbad-Strawn Gas Pool connected to the Transwestern system is substantially less than 41,000 MCF of gas per day.

(43) That the reasonable market demand for gas from the wells in the South Carlsbad-Strawn Gas Pool connected to the Llano system is less than 25,000 MCF of gas per day.

(44) That the reasonable market demand for gas from the wells in the South Carlsbad-Strawn Gas Pool connected to both systems is less than 66,000 MCF of gas per day.

(45) That the wells in the South Carlsbad-Strawn Gas Pool connected to the Transwestern system are capable of producing gas in excess of Transwestern's reasonable market demand for gas from those wells.

(46) That the wells in the South Carlsbad-Strawn Gas Pool connected to the Llano system are capable of producing gas in excess of Llano's reasonable market demand for gas from those wells.

(47) That the wells in the South Carlsbad-Strawn Gas Pool are capable of producing gas in excess of the combined reasonable market demand for gas from the South Carlsbad-Strawn Gas Pool.

(48) That the daily deliverability of the wells connected to Llano's system in February, 1972, ranges from a low of 10,500 MCF of gas per day to a high of 21,000 MCF of gas per day; that the deliverability of the well connected to Transwestern's system in February, 1972, is 22,500 MCF of gas per day. -6-CASE NO. 4694 Order No. R-1670-M

(49) That in February, 1972, gas was taken from the well in the South Carlsbad-Strawn Gas Pool connected to Transwestern's system at an average take per connection day of 1815 MCF.

(50) That in February, 1972, gas was taken from the wells in the South Carlsbad-Strawn Gas Pool connected to Llano's system at an average take per connection day of 3464 MCF.

(51) That gas is being taken from the wells in the subject pool at a rate varying from approximately 14.9% of the monthly market for gas from the pool to 29.2% of the monthly market for gas from the pool.

(52) That in February, 1972, gas was taken from the well in the subject pool connected to Transwestern's system at a rate of 8.1% of its daily deliverability.

(53) That in February, 1972, gas was taken from the wells in the subject pool connected to Llano's system at a rate varying from 16.3% of a well's daily deliverability to 32.5% of a well's daily deliverability.

(54) That in February, 1972, gas was taken from the wells in the subject pool at a rate varying from 8.1% of a well's daily deliverability to 32.5% of a well's daily deliverability.

(55) That the reasonable market demand for gas from a well is that well's fair share of the total market demand for gas from that pool that can be produced without waste.

(56) That gas is being produced from some wells in the subject pool in excess of the reasonable market demand for gas from those wells.

(57) That gas is being produced from some wells in the subject pool in an amount less than the reasonable market demand for gas from those wells.

(58) That gas is not being taken ratably from the various producers in the pool.

(59) That there are owners of property in the subject pool who are being denied the opportunity to produce without waste their just and equitable share of the gas in the pool.

(60) That there are owners of property in the subject pool that are producing more than their just and equitable share of the gas in the pool.

(61) That drainage is occurring between tracts in the pool which is not equalized by counter drainage.

-7-CASE NO. 4694 Order No. R-1670-M

(62) That the correlative rights of some producers in the pool are being violated.

(63) That waste is occurring in the subject pool.

(64) That in order to prevent waste and to ensure that all owners of property in the subject pool have the opportunity to produce their share of the gas, the subject pool should be prorated in order to limit the amount of gas to be recovered from each tract to the reasonable market demand for gas from that tract that can be produced without waste.

(65) That to ensure that each owner of property in the subject pool has the opportunity to produce that amount of gas that can be practicably obtained without waste substantially in the proportion that the recoverable gas under his tract bears to the total recoverable gas in the pool, the subject pool should be prorated in order to limit the amount of gas to be produced from the pool to the reasonable market demand and the capacity of the gas transportation facilities.

(66) That the subject pool has not been completely developed.

(67) That no cores of the Strawn formation are available in the South Carlsbad-Strawn Gas Pool.

(68) That there are logs available of said wells and that the logs indicate a marked and sometimes rapid variation between wells in thickness of pay, porosity, net effective feet of pay, and water saturation.

(69) That due to the above-described variations the effective feet of pay, porosity, and water saturation underlying each developed tract cannot be practically determined from the data available at the wellbore.

(70) That there are recoverable gas reserves underlying each of the developed 320-acre tracts within the horizontal limits of the subject pool; that there are 6 developed 320acre tracts in the pool as defined by the Commission.

(71) That due to the nature of the reservoir the amount of recoverable gas under each producer's tract cannot be practically determined in the subject pool by a formula which considers effective feet of pay, porosity, and water saturation.

(72) That due to the nature of the reservoir the amount of recoverable gas under each producer's tract cannot be practically determined in the subject pool by a formula which considers only the deliverability of a well. -8-CASE NO. 4694 Order No. R-1670-M

(73) That the amount of gas that can be practicably obtained without waste by the owner of each property in the subject pool substantially in the proportion that the recoverable gas under his tract bears to the total recoverable gas in the pool can be practically determined best by allocating the allowable production among the wells on the basis of developed tract acreage compared to total developed tract acreage in the pool.

(74) That considering the nature of the reservoir and the known extent of development, a proration formula based upon surface acreage will afford the owner of each property in the pool the opportunity to produce his just and equitable share of the gas in the pool so far as such can be practicably obtained without waste substantially in the proportion that the recoverable gas under such property bears to the total recoverable gas in the pool.

(75) That in order to prevent waste the total allowable production from each gas well producing from the subject pool should be limited to the reasonable market demand for gas from that well.

(76) That in order to prevent waste the total allowable production from all gas wells producing from the subject pool should be limited to the reasonable market demand for gas from the pool.

(77) That in order to prevent waste the total allowable production from gas wells in the subject pool should be limited to the capacity of the gas transportation system for the subject pool's share of said transportation facility.

(78) That considering the available reservoir information, a 100% surface acreage formula is presently the most reasonable basis for allocating the allowable production among the wells delivering to the gas transportation facilities.

(79) That in order to prevent drainage between tracts that is not equalized by counter drainage the allowable production from the pool should be prorated to the various producers upon a just and equitable basis.

(80) That the adoption of a 100% surface acreage formula for allocating the allowable production in the subject pool will, insofar as is presently practicable, prevent drainage between producing tracts which is not equalized by counterdrainage.

(81) That in order to ensure that each operator is afforded the opportunity to produce his property ratably with all other operators connected to the same gas transportation facility, allowable production from the pool should be prorated to the various producers upon a just and equitable basis. -9-CASE NO. 4694 Order No. R-1670-M

(82) That the adoption of a 100% surface acreage formula for allocating the allowable production in the subject pool will, insofar as is presently practicable, allow each operator the opportunity to produce his property ratably with all other operators connected to the same transportation facility.

(83) That the subject pool should be governed by the General Rules and Regulations for the Prorated Gas Pools of Southeastern New Mexico promulgated by Order No. R-1670, as amended, insofar as said General Rules and Regulations are not inconsistent with this order or the Special Rules and Regulations for the subject pool promulgated by this order.

IT IS THEREFORE ORDERED:

(1) That the South Carlsbad-Strawn Gas Pool in Eddy County, New Mexico, is hereby prorated, effective September 1, 1972.

(2) That the subject pool shall be governed by the General Rules and Regulations for the Prorated Gas Pools of Southeastern New Mexico promulgated by Order No. R-1670, as amended, insofar as said General Rules and Regulations are not inconsistent with this order or the Special Rules and Regulations for the subject pool as hereinafter set forth, in which event the Special Rules shall apply.

SPECIAL RULES AND REGULATIONS FOR THE SOUTH CARLSBAD-STRAWN GAS POOL

A. WELL LOCATION AND ACREAGE REQUIREMENTS

RULE 2. Each well completed or recompleted in the South Carlsbad-Strawn Gas Pool shall be located no closer than 660 feet to the nearest side boundary of the dedicated tract nor closer than 1980 feet to the nearest end boundary nor closer than 330 feet to any governmental guarter-guarter section line.

RULE 5(A). Each well completed or recompleted in the South Carlsbad-Strawn Gas Pool shall be located on a standard proration unit consisting of any two contiguous quarter sections of a single governmental section, being a legal subdivision (half section) of the United States Public Land Surveys. For purposes of these rules, a standard proration unit shall consist of 316 through 324 contiguous surface acres.

C. ALLOCATION AND GRANTING OF ALLOWABLES

RULE 8(A). The allowable production in the South Carlsbad-Strawn Gas Pool shall be allocated as follows: -10-CASE NO. 4694 Order No. R-1670-M

The pool allowable remaining each month after deducting the total allowable assigned to marginal wells shall be allocated among the non-marginal wells entitled to an allowable in the proportion that each well's acreage factor bears to the total of the acreage factors for all non-marginal wells in the pool.

C. GENERAL

RULE 25. The vertical limits of the South Carlsbad-Strawn Gas Pool shall be the Strawn formation.

RULE 26. The first proration period for the South Carlsbad-Strawn Gas Pool shall commence September 1, 1972, and shall terminate December 31, 1973. Subsequent proration periods shall be the twelve-month periods as provided in the General Rules.

IT IS FURTHER ORDERED:

(1) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

BRUCE KING, Chairman

ALEX J. ARMIJO, Member

A. L. PORTER, JR., Member & Secretary

SEAL

dr/

STATE OF NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

Case No. 12306 Order No. R-11315

APPLICATION OF MEWBOURNE OIL COMPANY TO ABOLISH THE SPECIAL RULES AND REGULATIONS FOR THE SOUTH CARLSBAD-MORROW GAS POOL, EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

<u>BY THE DIVISION</u>:

3

This case came on for hearing at 8:15 a.m. on December 16, 1999, at Santa-Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 31st day of January, 2000, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner,

FINDS THAT:

(1) Due public notice has been given and the Division has jurisdiction of this case and its subject matter.

(2) By Order No. R-3731 dated April 18, 1969, the Division created the South Carlsbad-Morrow Gas Pool. This pool currently comprises portions of Township 22 South, Ranges 26 and 27 East, Township 23 South, Ranges 26 and 27 East, and Township 24 South, Range 26 East, NMPM, Eddy County, New Mexico.

(3) The South Carlsbad-Morrow Gas Pool is currently a prorated gas pool subject to the General Rules for the Prorated Gas Pools of New Mexico/Special Rules and Regulations for the South Carlsbad-Morrow Gas Pool, as promulgated by Division Order No. R-8170, as amended. The Special Rules and Regulations for the South Carlsbad-Morrow Gas Pool currently require standard 320-acre gas spacing and proration units with wells to be located no closer than 1980 feet to the end boundary nor closer than 660 feet to the side boundary of the proration unit, nor closer than 330 feet to any quarter-quarter section line or subdivision inner boundary.

(4) The applicant, Mewbourne Oil Company (Mewbourne), seeks an order abolishing the Special Rules and Regulations for the South Carlsbad-Morrow Gas Pool so that the well location and infill well requirements of Division Rule 104 apply to this pool. (5) The notice published for this case stated: "In the Absence of Objection, This Case Will Be Taken Under Advisement."

(6) Mewbourne Oil Company appeared at the hearing through legal counsel.

(7) The applicant sent notice of its application to all operators in the South Carlsbad-Morrow Gas Pool and to all operators within one mile of the outer boundary of the pool. No operator and/or interest owner appeared at the hearing in opposition to the application.

(8) There is currently no provision within the General Rules for the Prorated Gas Pools of New Mexico/Special Rules and Regulations for the South Carlsbad-Morrow Gas Pool prohibiting the drilling of an infill well on a standard 320-acre gas spacing and proration unit.

(9) Division records indicate that by Order No. R-10328, issued in Case No.11211 on March 27, 1995, the Oil Conservation Commission suspended gas prorationing in the South Carlsbad-Morrow Gas Pool because there were no nonmarginal gas wells in the pool. This situation apparently has not changed and gas prorationing remains suspended at this time.

(10) Mewbourne's application in this case does not seek to change the status of the South Carlsbad-Morrow Gas Pool as a prorated gas pool, nor is there evidence in the record to support such action.

(11) By Order No. R-11231 issued in Case No. 12119 on August 12, 1999, the Oil Conservation Commission amended the well setback requirements for wells located within pools spaced on 320-acres in Southeast New Mexico, and not currently subject to special pool rules, to provide that:

- a) the initial well on a 320-acre unit shall be located no closer than 660 feet to the outer boundary of the quarter section on which the well is located and no closer than 10 feet to any quarter-quarter section line or subdivision inner boundary;
- b) only one infill well on a 320-acre unit shall be allowed provided that the well is located in the quarter section of the 320-acre unit not containing the initial well and is no closer than 660 feet to the outer boundary of the quarter section and no closer than 10 feet to any quarter-quarter section line or subdivision inner boundary; and

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c) the Division-designated operator for the infill well is the same operator currently designated by the Division for the initial well. · 如此,如此是一些是一些人的。 如此,我们就是一些人的。 我们就是一些人的。 我们就是一些人的,我们就是一些人的。 我们就是一些人的, 我们就是一些人的, 我们就是一些人的, 我们就是一些人的, 我们就是一些人的, 我们就是一些人的, 我们就是一些人的, 我们就是一些人的, 我们就是一些人的, 我们就是一个人的, 我们就是一个人的, 我们就是一个人的, 我们就是一个人的, 我们就是一个人的, 我们就是一个人的, 我们就是一个人的, 我们就是一个人的, 我们就是一个人的,我们就是一个人的, 我们就是一个人的, 我们,

(12) Approval of the application will provide greater flexibility to operators in the South Carlsbad-Morrow Gas Pool in locating wells so that additional gas reserves may be recovered, thereby preventing waste.

(13) The application of Mewbourne should be approved by abolishing the Special Rules and Regulations for the South Carlsbad-Morrow Gas Pool as contained within Division Order No. R-8170, as amended; provided however, the South Carlsbad-Morrow Gas Pool should remain a prorated gas pool subject to the General Rules for the Prorated Gas Pools of New Mexico.

IT IS THEREFORE ORDERED THAT:

(1) The Special Rules and Regulations for the South Carlsbad-Morrow Gas Pool contained within Division Order No. R-8170, as amended, are hereby abolished.

(2) The South Carlsbad-Morrow Gas Pool shall be governed by the spacing, well density and well setback requirements contained within Division Rule 104 as provided in Rule 2 (a) of the General Rules for the Prorated Gas Pools of New Mexico, contained within Division Order No. R-8170, as amended.

(3) The South Carlsbad-Morrow Gas Pool shall remain prorated and subject to the General Rules for the Prorated Gas Pools of New Mexico as contained within Division Order No. R-8170, as amended; provided however, pursuant to Division Order No. R-10328, gas prorationing within the South Carlsbad-Morrow Gas Pool shall remain suspended until further order of the Division.

(4) Jurisdiction is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

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LORI WROTENBERY, Director

SEAL

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

CASE NO. 11211 ORDER NO. R-10328

GAS ALLOWABLES FOR THE PRORATED GAS POOLS IN NEW MEXICO FOR APRIL THROUGH SEPTEMBER, 1995.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9:00 a.m. on February 23, 1995, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this <u>27th</u> day of March, 1995, the Commission, a quorum being present and having considered the testimony, the exhibits received at said hearing, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) This hearing was called for the purpose of accepting nominations and other evidence and information to assist in determining April through September, 1995 gas allowables for the prorated gas pools in New Mexico. Thirteen of the prorated gas pools are in Lea, Eddy, and Chaves Counties in Southeast New Mexico, and the other four prorated gas pools are in San Juan, Rio Arriba, and Sandoval Counties in Northwest New Mexico.

(3) Amendments to the Gas Proration Rules approved by the Commission Order No. R-8170-H in December, 1990 provide for allowables to be established for six month allocation periods beginning in April and October of each year.

(4) Average monthly allowables for April through September, 1995 for each pool should be based on the monthly average individual pool production for April through September, 1994, with administrative adjustments where appropriate.

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(5) Production information for 1994 was not available because of delays in getting C-115 production information into the new system. Estimates based on 1993 data were therefore used as a basis for preliminary allowables. Producers, purchasers, and transporters of gas were asked to review these preliminary allowables and to participate in the February 23, 1995 hearing by providing information which would assist in arriving at the final allowable assignments.

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(6) Chevron and Conoco presented evidence at the hearing to support the OCD recommended allowables for the prorated pools in Southeast New Mexico. Exxon and Oryx entered statements supporting the proposed allowables.

(7) Amoco submitted testimony at the hearing to support increased allowables for the Northwest New Mexico Pools. They requested the following monthly increases:

Basin Dakota - 10,000 MCF; Blanco Mesaverde - 535,491 MCF; Blanco P.C. South - 9,540 MCF; and Tapacito Pictured Cliffs - 2,509 MCF. Phillips entered a statement requesting essentially these same allowables for the Basin Dakota and Blanco Mesaverde Pools. Meridian submitted a statement supporting the OCD allowables but indicating no objection to increases proposed by others. The increases proposed by Amoco are in addition to the adjustments proposed by OCD.

(8) Testimony by OCD indicates that gas production in New Mexico continues at record levels in spite of low prices. Production was 1.4 TCF in 1994 and an estimated 1.55 TCF in 1995. This indicates there is sufficient demand for New Mexico gas to accommodate the proposed allowables.

(9) The allowable increases proposed by Amoco for the Northwest New Mexico Pools should be approved.

(10) OCD Exhibit No. 1 shows that there are currently no prorated wells in the Burton Flat Strawn; Carlsbad Morrow, South; Catclaw Draw Morrow; and Monument McKee Ellenburger Pools. This condition has existed for the last several years. Proration in these pools should therefore be suspended until such time as production data or other information indicates that the pools should be prorated.

IT IS THEREFORE ORDERED THAT:

(1) Exhibits "A" and "B" attached to and incorporated herein, including the increased allowables requested in Finding Paragraph No. (7) are adopted for the purpose of making allowable assignments for the prorated gas pools in New Mexico for the months of April through September, 1995.

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(2) The Oil Conservation Division is hereby directed to prepare proration schedules for the April through September, 1995 allocation period in accordance with this order and other Division Rules, Regulations and Orders. Copies of this order shall be included in each proration schedule.

(3) Proration is hereby suspended in the Burton Flat Strawn; Carlsbad Morrow, South; Catclaw Draw Morrow; and Monument McKee Ellenburger Pools until such time as production data or other information indicates the pools should again be prorated.

(4) Jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION Carlos

GARY CARLSON, Member

Bill Meiss

WILLIAM W. WEISS, Member

WILLIAM J. LEMAY, Chairman

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EXHIBIT "B

OIL CONSERVATION DIVISION MARKET DEMAND AND ALLOWABLE DETERMINATION SCHEDULE PRORATED GAS POOLS OF NORTHWEST NEW MEXICO FOR APRIL 1995 THROUGH SEPTEMBER 1995

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OOL NAME	AVG MONTHLY POOL SALES APR93-SEP93	POOL ADJ	MONTHLY POOL ALLOWABLE APR-95-SEP95	MONTHLY MARGINAL POOL ALLOW- ABLE APR95-SEP95	MONTHLY NON- MARGINAL POOL ALLOW- ABLE APR95-SEP95	NUMBER OF NON- MARGINAL ACR. FACTORS	NUMBER OF NON-MARGINAL ACR.*DLV.	MONTHLY ACREAGE ALLOC. FACTOR	MONTHLY ACR.*DLV. FACTOR
lasin Dakota	9,548,540	108,958	9,657,498	9,377,498	280,000	15.05	7,978	11,163	14.04
lanco Mesaverde	16,495,592	535,491	17,031,083	14,049,750	2,981,333	129.16	85,529	5,771	26.14
lanco P.C. South	1,216,638	39,353	1,255,991	1,106,658	149,333	84.80	3,974	440	28.18
apacito Pictured	326,656	2,509	329,165	314,232	14,933	8.00	566	467	19.79

*All Gas Volumes Shown in MCF

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EXHIBIT "A"

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OIL CONSERVATION DIVISION MARKET DEMAND AND ALLOWABLE DETERMINATION SCHEDULE PRORATED GAS POOLS OF NORTHWEST NEW MEXICO FOR APRIL 1995 THROUGH SEPTEMBER 1995

OL NAME	AVG MONTHLY POOL SALES APR93-SEP93	POOL ADJUSTMENTS	MONTHLY POOL ALLOWABLE APR95-SEP95	MONTHLY MARGINAL POOL ALLOWABLE APR95-SEP95	MONTHLY NON- MARGINAL POOL ALLOWABLE APR95-SEP95	NUMBER OF NON- MARGINAL ACR. FACTORS	MONTHLY ACREAGE ALLOC. FACTOR
oka Penn	106,172	930	107,102	59,102	48,000	2.00	24,000
nebry Oil and Gas	564,643	13,880	578,523	450,873	127,650	3.00	42,550
ffalo Valley Penn	293,780	188	293,968	260,968	33,000	1.00	33,000
mont Yates 7 Rivers	Qn 2,563,744	451,241	3,014,985	2,156,185	858,800	22.60	38,000
lian Basin Morrow	62,700	531	63,231	47,231	16,000	1.00	16,000
lian Basin Upper Pen	n 3,722,866	183,172	3,906,038	2,934,038	972,000	4.86	200,000
mat Tansill YT 7 Riv	ers 1,029,426	22,196	1,051,622	973,847	77,775	4.25	18,300
tis Glorieta	48,401	51,631	100,032	26,832	73,200	4.00	18,300
bb Oil and Gas	293,367	28,378	321,745	203,620	118,125	8.75	13,500

All Gas Volumes Shown in MCF

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