Submit 5 Corres
Appropriate District Office
DISTRICT 1
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

DISTRICT II P.O. Drawer DD, Anema, NM 88210

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT III 1000 Kio Brazos Rd., Aziec, NM 87410

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

					Well API	No.		
Santa Fe Energy Operating Partners, L.P.					30-025-31690			
ddress								
550 W. Texas, Sui	ite 1330, Mid]	land, Texas	79701					
son(s) for Filing (Check proper box)			Other (P	lease explain)				
w Well								
completion								
ange in Operator	Casinghead Gas 🔲 (	Condensate 🔲						
hange of operator give name		THIS WELL H	AS BEEN PL	ACED IN T	HE POOL			
address of previous operator		DESIGNATED			T CONCUR	<del></del>		<del></del>
DESCRIPTION OF WELL	AND LEASE	NOTIFY THIS	OFFICE R	9843				
ase Name	Well No.			Formation 3/1/93 Kind of				e No.
Kachina 5 Federal	4			n (Wolfcamp) Sue Fe		deral o Fee LC-062391		2391
cation								
Unit LetterG	1980	Feet From The No	rth Linear	198	O Feet	From The	East	Line
_								
Section 5 Townshi	ip 18S	Range 33E	, NMP	М,	Le	ea		County
I. DESIGNATION OF TRAN	<u>ISPORTER OF OI</u>	L AND NATUR	AL GAS					
ame of Authorized Transporter of Oil	Or Conden	iale	Address (Give a	ddress to white	ch approved c	opy of this for	m is so be serv	)
<u> Texas-New Mexico Pipe</u>	line		P. O. Bo					
ame of Authorized Transporter of Casin	ighead Gas X	or Dry Gas	Address (Give a	ddress to whi	ch approved c	opy of this for	rm is to be sen	1)
Conoco, Inc.			10 Desta	Dr., S1	uite 62	7 <mark>, Mi</mark> dla	ind, TX	79705
well produces oil or liquids,	Unit Sec.	Twp. Rgc.	is gas actually o		When ?			
ve location of tanks.	0 5	18S   33E	Yes			Dec.	11, 199	92
this production is commingled with that	from any other lease or	pool, give commingli	ng order number	r:				
V. COMPLETION DATA								
	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Designate Type of Completion	1-(X)   X	1	X I		i	ì		i
Date Spudded	Date Compl. Ready to	Prod.	Total Depth			P.B.T.D.		.4
8-25-92	12-9-92			11,500	•		11,335	,
levations (DF, RKB, RT, GR, etc.)	Name of Producing F	ormation	Top Oil/Gas Pay		Tubing Depth			
4009' GR	Wolfcamp			11,242	•		11,262	
Perforations	_					Depth Casin	g Shoe	
11,242'-11,29	19'						11,	500'
	TUBING	, CASING AND	CEMENTIN	G RECOR	D			
	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
HOLE SIZE	CASING & T	OBING SIZE		DEP IN SE		! !	SACKS CEM	
17-1/2	CASING & T			460'		475 sx		
17-1/2 12-1/4	13- 8-5	3/8 /8				475 sx		
17-1/2	13- 8-5 5-1	3/8 /8 /2	3	460'		475 sx 1700 s	C x Lite 8	
17-1/2 12-1/4 7-7/8	13- 8-5 5-1 2-7	3/8 /8 /2 /8	3 11,	460' 105'		475 sx 1700 s	C	
17-1/2 12-1/4 7-7/8 V. TEST DATA AND REQUI	13- 8-5 5-1 2-7	3/8 /8 /2 /8	3 11,	460' 105' 500'		475 sx 1700 s	C x Lite 8	
17-1/2 12-1/4 7-7/8 V. TEST DATA AND REQUI	13- 8-5 5-1 2-7	3/8 /8 /2 /8 /ABLE	3 11, 11,	460' 105' 500' 262'	owable for thi	475 sx 1700 s 1120 s	x Lite 8 x Cl H	ι C
17-1/2 12-1/4 7-7/8 V. TEST DATA AND REQUI	13- 8-5 5-1 2-7 EST FOR ALLOW	3/8 /8 /2 /8 /ABLE	3 11, 11,	460' 105' 500' 262'		475 sx 1700 s 1120 s	x Lite 8 x Cl H	ι C
17-1/2 12-1/4 7-7/8 V. TEST DATA AND REQUI	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test	3/8 /8 /2 /8 /ABLE	3 11, 11, 11, be equal to or	460' 105' 500' 262' exceed top alli		475 sx 1700 s 1120 s	x Lite 8 x Cl H	ι C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUIOIL WELL (Test must be after Date First New Oil Run To Tank	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test	3/8 /8 /2 /8 /ABLE e of lood oil and mus	3 11, 11, 11, is be equal to or	460' 105' 500' 262'  exceed top allithod (Flow, ping		475 sx 1700 s 1120 s	C  X Lite 8  X C1 H  for full 24 hou	ι C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUIOIL WELL (Test must be after Date First New Oil Run To Tank 11-12-92	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12-	3/8 /8 /2 /8 /ABLE e of lood oil and mus	3 11, 11, 11, 1be equal to or Producing Me Pumpi	460' 105' 500' 262'  exceed top allithod (Flow, ping		475 sx 1700 s 1120 s	C x Lite 8 x Cl H for full 24 hou	ι C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUINOUL WELL Test must be after Date First New Oil Run To Tank 11-12-92 Length of Test	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12-	3/8 /8 /2 /8 /ABLE e of load oil and mus	3 11, 11, 11, 1be equal to or Producing Me Pumpi	460' 105' 500' 262' exceed top allithod (Flow, pi		475 sx 1700 s 1120 s	C  X Lite 8  X C1 H  for full 24 hou	ι C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUIDIL WELL Test must be after Date First New Oil Run To Tank 11-12-92 Length of Test 24 hours	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12- Tubing Pressure	3/8 /8 /2 /8 /ABLE e of load oil and mus 22–92	3 11, 11, 11, 1be equal to or a Producing Me Pumpi Casing Pressu	460' 105' 500' 262' exceed top allithod (Flow, pi		475 sx 1700 s 1120 s	C  X Lite 8  X Cl H  for full 24 hou	ι C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUIDIL WELL (Test must be after Date First New Oil Run To Tank 11-12-92 Length of Test 24 hours Actual Prod. During Test	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12- Tubing Pressure	3/8 /8 /2 /8 /ABLE e of load oil and mus	3 11, 11, 11, 1be equal to or a Producing Me Pumpi Casing Pressu	460' 105' 500' 262' exceed top allithod (Flow, pi		475 sx 1700 s 1120 s	C x Lite 8 x Cl H for full 24 hou	ι C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUIDED TO TANK OIL WELL (Test must be after Date First New Oil Run To Tank 11-12-92 Length of Test 24 hours Actual Prod. During Test	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12- Tubing Pressure Oil - Bbls.	3/8 /8 /2 /8 /ABLE e of load oil and mus 22–92	3 11, 11, 1be equal to or Producing Me Pumpi Casing Pressu Water - Bbis	460' 105' 500' 262'  exceed top allithod (Flow, pring re 80		475 sx 1700 s 1120 s 120 s Choke Size	C  X Lite 8  X C1 H  for full 24 hou	ι C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUIDIL WELL (Test must be after Date First New Oil Run To Tank 11-12-92 Length of Test 24 hours Actual Prod. During Test	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12- Tubing Pressure	3/8 /8 /2 /8 /ABLE e of load oil and mus 22–92	3 11, 11, 11, 1be equal to or a Producing Me Pumpi Casing Pressu	460' 105' 500' 262'  exceed top allithod (Flow, pring re 80		475 sx 1700 s 1120 s 120 s Choke Size	C  X Lite 8  X Cl H  for full 24 hou	ι C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUIDIL WELL (Test must be after place first New Oil Run To Tank 11-12-92 Length of Test 24 hours Actual Prod. During Test  GAS WELL  Actual Prod. Test - MCF/D	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12- Tubing Pressure Oil - Bbls.	3/8 /8 /2 /8 'ABLE e of load oil and mus 22-92 80	3 11, 11, 11, I be equal to or	460' 105' 500' 262' exceed top allithod (Flow, pi		475 sx 1700 s 1120 s 120 s Choke Size	C x Lite 8 x Cl H  for full 24 hou  N/A  43	ι C
17-1/2 12-1/4 7-7/8  7. TEST DATA AND REQUIDIL WELL (Test must be after Date First New Oil Run To Tank 11-12-92 Length of Test 24 hours Actual Prod. During Test	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12- Tubing Pressure Oil - Bbls.	3/8 /8 /2 /8 'ABLE e of load oil and mus 22-92 80	3 11, 11, 1be equal to or Producing Me Pumpi Casing Pressu Water - Bbis	460' 105' 500' 262' exceed top allithod (Flow, pi		475 sx 1700 s 1120 s 120 s Choke Size	C x Lite 8 x Cl H  for full 24 hou  N/A  43	ι C
17-1/2 12-1/4 7-7/8  7. TEST DATA AND REQUIDIL WELL (Test must be after Date First New Oil Run To Tank 11-12-92 Length of Test 24 hours Actual Prod. During Test  GAS WELL Actual Prod. Test - MCF/D  Testing Method (puox, back pr.)	13- 8-5 5-1 2-7 EST FOR ALLOW It recovery of total volume Date of Test 12- Tubing Pressure Oil - Bbls. Length of Test	3/8 /8 /8 /2 /8 /ABLE e of load oil and mus 22-92 80 52	3 11, 11, 11, I be equal to or	460' 105' 500' 262' exceed top allithod (Flow, pi		475 sx 1700 s 1120 s 120 s Choke Size	C x Lite 8 x Cl H  for full 24 hou  N/A  43	ι C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUIDIL WELL (Test must be after Date First New Oil Run To Tank 11-12-92 Length of Test 24 hours Actual Prod. During Test  GAS WELL  Actual Prod. Test - MCF/D	13- 8-5 5-1 2-7 EST FOR ALLOW It recovery of total volume Date of Test 12- Tubing Pressure Oil - Bbls. Length of Test	3/8 /8 /8 /2 /8 /ABLE e of load oil and mus 22-92 80 52	3 11, 11, 11, 10 be equal to or	460' 105' 500' 262' exceed top allithod (Flow, ping) re 80 1 Late/MMCF	ump, gas lýt,	475 sx 1700 s 1120 s 120 s Choke Size Gravity of Choke Size	C  X Lite 8  X Cl H  for full 24 hour  N/A  43  Condensate	z C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUIDIL WELL (Test must be after Date First New Oil Run To Tank 11-12-92 Length of Test 24 hours Actual Prod. During Test  GAS WELL  Actual Prod. Test - MCF/D  Testing Method (puot, back pr.)  VI. OPERATOR CERTIF I hereby certify that the rules and re	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12- Tubing Pressure Oil - Bbls.  Length of Test Tubing Pressure (Sh	3/8 /8 /8 /2 /8 /ABLE e of load oil and must 22-92 80 52  SULLIANCE servation	3 11, 11, 11, 10 be equal to or	460' 105' 500' 262' exceed top allithod (Flow, ping) re 80 1 Late/MMCF	ump, gas lýt,	475 sx 1700 s 1120 s 120 s Choke Size Gravity of Choke Size	C x Lite 8 x Cl H  for full 24 hou  N/A  43	z C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUITOR OIL WELL (Test must be after Date First New Oil Run To Tank 11-12-92 Length of Test 24 hours Actual Prod. During Test  GAS WELL Actual Prod. Test - MCF/D  Testing Method (puot, back pr.)  VI. OPERATOR CERTIF I hereby certify that the rules and red Division have been complied with:	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12- Tubing Pressure Oil - Bbls.  Length of Test Tubing Pressure (St	3/8 /8 /8 /2 /8 /ABLE e of load oil and must 22-92 80 52  PLIANCE servation given above	3 11, 11, 11, 11 be equal to or . Producing Me Pumpi Casing Pressu Water - Bbis. Bbis. Conden	460' 105' 500' 262' exceed top all thod (Flow, ping) re 80 1 sate/MMCF	NSERV	475 sx 1700 s 1120 s 1120 s Gravity of Choke Size Choke Size	C  X Lite 8  X C1 H  for full 24 hou  N/A  43  Condensale	z C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUIPMENT OF THE PROOF OF THE P	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12- Tubing Pressure Oil - Bbls.  Length of Test Tubing Pressure (St	3/8 /8 /8 /2 /8 /ABLE e of load oil and must 22-92 80 52  PLIANCE servation given above	3 11, 11, 11, 11 be equal to or . Producing Me Pumpi Casing Pressu Water - Bbis. Bbis. Conden	460' 105' 500' 262' exceed top all thod (Flow, ping) re 80 1 sate/MMCF	NSERV	475 sx 1700 s 1120 s 1120 s Gravity of Choke Size Choke Size	C  X Lite 8  X C1 H  for full 24 hou  N/A  43  Condensale	z C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUIPMENT OF THE PROOF OF THE P	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12- Tubing Pressure Oil - Bbls.  Length of Test Tubing Pressure (St	3/8 /8 /8 /2 /8 /ABLE e of load oil and must 22-92 80 52  PLIANCE servation given above	3 11, 11, 11, 11 be equal to or . Producing Me Pumpi Casing Pressu Water - Bbis. Bbis. Conden	460' 105' 500' 262' exceed top allithod (Flow, ping) re 80 1 Late/MMCF	NSERV	475 sx 1700 s 1120 s 1120 s Gravity of Choke Size Choke Size	C  X Lite 8  X C1 H  for full 24 hou  N/A  43  Condensale	z C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUID OIL WELL (Test must be after Date First New Oil Run To Tank 11-12-92 Length of Test 24 hours Actual Prod. During Test  GAS WELL Actual Prod. Test - MCF/D  Testing Method (puox, back pr.)  VI. OPERATOR CERTIF I hereby certify that the rules and re Division have been completed with: is true and complete to the best of s	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12- Tubing Pressure Oil - Bbls.  Length of Test Tubing Pressure (St	3/8 /8 /8 /2 /8 /ABLE e of load oil and must 22-92 80 52  PLIANCE servation given above	3 11, 11, 11, 11 be equal to or Producing Me Pumpi Casing Pressu Water - Bbis Bbis Conden Casing Press	460' 105' 500' 262'  exceed top all thod (Flow, progree 80)  1  sate/MMCF  are (Shut-in)  CIL CO	NSERV	475 sx 1700 s 1120 s 1120 s Choke Size Gravity of Choke Size	C X Lite 8 X C1 H  Sor full 24 hour  N/A  43  Condensate	z C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUIPMENT OF THE PROOF OF THE P	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12- Tubing Pressure Oil - Bbls.  Length of Test Tubing Pressure (Sh	3/8 /8 /8 /2 /8 /ABLE e of load oil and must 22-92 80 52  SPLIANCE servation given above	3 11, 11, 11, 11 be equal to or Producing Me Pumpi Casing Pressu Water - Bbis Bbis Conden Casing Press	460' 105' 500' 262'  exceed top all thod (Flow, pring re 80  1  Lite/MMCF  LITE (Shut-in)  CAPPROVI	NSERV	475 sx 1700 s 1120 s 1120 s  Gravity of Choke Size  Gravity of Choke Size	C  X Lite 8  X C1 H  for full 24 hou  N/A  43  Condensate  Condensate  CONDENSATE  CONDENSATE  SEXTON	z C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUIPMENT OF THE PROOF OF THE P	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12- Tubing Pressure Oil - Bbls.  Length of Test Tubing Pressure (Sh	3/8 /8 /8 /2 /8 /ABLE e of load oil and must 22-92 80 52  IPLIANCE servation given above	3 11, 11, 11, 1be equal to or of the pumpi: Casing Pressu Water - Bbis.  Bbis. Conden Casing Pressu Date By_	460' 105' 500' 262' exceed top allithod (Flow, ping) re 80 1 Late/MMCF Line (Shut-in) CAPPROVE ORIGINA	NSERV	475 sx 1700 s 1120 s 1120 s Gravity of Choke Size Gravity of Choke Size ATION AN Q BY JERRY	C  X Lite 8  X C1 H  for full 24 hou  N/A  43  Condensate  Condensate  CONDENSATE  CONDENSATE  SEXTON	z C
17-1/2 12-1/4 7-7/8  V. TEST DATA AND REQUIPMENT OF THE PROOF OF THE P	13- 8-5 5-1 2-7 EST FOR ALLOW or recovery of total volume Date of Test 12- Tubing Pressure Oil - Bbls.  Length of Test Tubing Pressure (Sh	3/8 /8 /8 /2 /8 /ABLE e of load oil and must 22-92 80 52  SPLIANCE servation given above ion Clerk Title	3 11, 11, 11, 1be equal to or of the pumpi: Casing Pressu Water - Bbis.  Bbis. Conden Casing Pressu Date By_	460' 105' 500' 262'  exceed top all thod (Flow, pring re 80  1  Lite/MMCF  LITE (Shut-in)  CAPPROVI	NSERV	475 sx 1700 s 1120 s 1120 s Gravity of Choke Size Gravity of Choke Size ATION AN Q BY JERRY	C  X Lite 8  X C1 H  for full 24 hou  N/A  43  Condensate  Condensate  CONDENSATE  CONDENSATE  SEXTON	z C

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Santa Fe Energy Kachina 5 Fed. #4 Lea County, NM

1980/N+1980/E 5-18-33

## STATE OF NEW MEXICO DEVIATION REPORT

460 946 1,412 1,907 2,380 2,873 3,678 4,142 4,633 5,155 5,371 5,843 6,303 6,733 6,826 6,858 6,858 6,930 6,961 6,992 7,023 7,055 7,076 7,107 7,137 7,165 7,200 7,231 7,262 7,292 7,322 7,322 7,322	3/4 1/2 3/4 1-1/4 1-1/4 1-3/4 1-1/2 1-1/4 2 1-3/4 1 1 2-1/4 4 4-1/2 4-3/4 4-3/4 4-3/4 4-3/4 4-3/4 4-1/2 4-1/4 4-1/4 4-1/4 4-1/4 4-1/4 4-1/4 4-1/4 4-1/4	7,447 7,478 7,509 7,539 7,571 7,601 7,694 7,786 7,849 7,911 8,064 8,312 8,528 8,715 8,898 9,145 9,300 9,575 9,728 9,885 10,131 10,346 10,800 11,314 11,500	3-3/4 3-3/4 3-1/2 3-3/4 3-1/2 3-1/4 3-1/4 2-1/2 2-1/4 2-1/2 2-1/4 3-1/4 3-1/4 3-1/4 3-1/4 3-1/4 2-1/4 2-1/2 2-1/4
7,292	3-3/4		
•	च	$\sim -4$	1

By: Ray Peterson

## STATE OF TEXAS

## COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me this 28th day of September , 19 92 , by RAY PETERSON on behalf of PETERSON DRILLING COMPANY.

Notary Public for Mi My Commission Expires: 8/2/96

County, Texas

