

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

CONOCO, INC.

3a. Address

P.O. BOX 2197 DU 3084HOUSTONTX77252

3b. Phone No. (include area code)

(281)293-1005

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

0, Sec. 22 T5N R5W

420' FSL & 1850' FEL

125N

5. Lease Serial No.

CONT 145

6. If Indian, Allottee or Tribe Name

Jicarilla

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Jicarilla K #22A

9. API Well No.

30-039-23516

10. Field and Pool, or Exploratory Area

BLANCO MESAVERDE / OTERO CH

11. County or Parish, State

RIO ARriba

New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>DHC</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Conoco proposes to recompleate this well and downhole commingle as per the attached.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

DEBORAH MARBERRY

Title

REGULATORY ANALYST

Signature

Date

05/15/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Patricia M. Hester

Title
Lands and Mineral Resources

Date

JUN 4 2002

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Submit completion report for Chaco

Chacra Recompletion
Jicarilla K 22A
API 30-039-23516
25N-5W-2-O
Lat: 36°25'21.61" Long: 108°40'28.20

Objective: Fracture stimulate the Chacra formation, clean out to PBTD, and DHC Mesa Verde and Chacra formations. Rerun 2 1/16" tubing and resume plunger lift operations.

Well Information: Spud Date: 8/24/84 TD: 5560' PBTD: 5461'

Casing: 8 5/8"; 32.0 lb/ft; K-55 set at 315'
7.921 ID"; Drift diameter – 7.796"
Capacity – 0.0609 bbls/ft (2.5599 gal/ft)
200 sxs; circulated

5560' 4 1/2"; 11.6 lb/ft; K-55; 33 joints; 1305'; set at
4.0" ID; Drift diameter – 3.875"
Capacity - 0.0155 bbls/ft (0.6528 gal/ft)

4 1/2"; 10.5 lb/ft; K-55; 100 joints; 4211'
4.052" ID; Drift diameter - 3.927"
Capacity – 0.0159 bbls/ft (0.6699 gal/ft)

Stage 1-250 sxs cement;
Stage tool at 4039'
Stage 2-100 sxs cement;
Stage tool at 3068'
Stage 3-225 sxs cement;
TOC estimated 1475' by Temp Survey
Cement plug –5461'-5560'

Current Tubing: 2 1/16" IJ; 3.25 lb/ft; set at 5432'
1.751" ID; Drift diameter – 1.657"
Capacity - 0.00298 bbls/ft (0.1251 gals/ft)

Proposed Tubing: 2 1/16" IJ; 3.25 lb/ft; sn; mule shoe collar **set at 5285'**
1.751" ID; Drift diameter – 1.657"
Capacity - 0.00298 bbls/ft (0.1251 gals/ft)

Current Perforations: Mesa Verde – 5230'-5390'

Proposed Perforation: Chacra- 3887'-3925'

Procedure:

1. Conduct pre-job safety meeting. Inform all crew members and personnel on location of all potential hazards and review daily procedures. Brief all new crew members and all location visitors of safety practices. Work safely!
2. Prepare location for work. Test deadmen anchor.
3. Move in and rig up pulling unit.
4. Kill well with minimum 1% KCL water. Kill water should be treated with biocide.
5. Nipple down wellhead. Nipple up and test BOP.
6. POOH with 2 1/16" tubing, standing back.
7. RU wireline services.
8. Pick up retrievable bridge plug for 4 1/2" production casing and RIH with plug.
9. Set plug at +/- 3990' (65' below proposed Chacra perforations).
10. Pressure test plug and casing to 3000# (verify with maximum pressure to be seen during frac)
11. RIH with wireline and perforate Chacra formation as per recommendation. **Correlate perforations to Cement Bond Log run by BlueJet on 9/11/84.**
12. Have surface equipment available for flowback.
13. Rig up frac unit and fracture stimulate as per **Lucas Bazan's** recommendation.
14. Rig down frac unit.
15. Flowback the well to clean up frac fluid.
16. RIH with 2 1/16" tubing and circulate clean to RBP at 3990'.
17. Pull up 2 1/16" tubing, land at 3900' and obtain a stabilized C-104 test. Report results of test to regulatory. POOH with tubing, standing back.
18. RIH with retrieving head and pull RBP at 3990'.
19. RIH with 2 1/16" production string with seating nipple and mule shoe collar on bottom. Drift tubing when making connections to insure of no crimped connections.
20. Tag for fill. If fill is present, clean out to PBTD (PBTD = 5461').
21. Pull up tubing and land at approximately 5285'. Unload well.
22. Drop plunger and verify plunger will surface before rigging down.
23. Nipple down BOP and nipple up wellhead.
24. Connect to sales notify MSO to resume production with plunger lift operations.

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO. 30-039-23516

5. Indicate Type of Lease
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unti Agreement Name
JICARILLA K

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
Oil Well ☐ Gas Well ☒ Other

2. Name of Operator CONOCO, INC.

3. Address of Operator P.O. BOX 2197 DU 3084
HOUSTON TX 77252

8. Well No. 22A

9. Pool name or Wildcat
BLANCO MESAVERDE / OTERO CHACRA

4. Well Location

Unit Letter 0 : 420 feet from the SOUTH line and 1850 feet from the EAST line

Section 2 Township 25N Range 5W NMPM County RIO ARRIBA

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: DHC ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOBS ☐

OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work). SEE RULE 1103. For Multiple Completions: Attach diagram of proposed completion or recompletion.

In reference to Order #R-11363 Conoco proposes to downhole commingle in the Blanco Mesaverde and Otero Chacra

Perforations are:
Otero Chacra 3887 - 3925
Blanco Mesaverde 5230 - 5390

Allocation will be by subtraction (see attached)

Commingling in this well will not reduce the value of the remaining production.

BLM has been notified of our intent.

Interest owners are identical in all pools.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Deborah Marberry TITLE REGULATORY ANALYST DATE 05/03/2002

Type or print name DEBORAH MARBERRY

Telephone No. (281)293-1005

(This space for State use)

APPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name	
30-039-23516		82329		OTERO CHACRA	
⁴ Property Code		⁵ Property Name			⁶ Well Number
CONT 1		JICARILLA K			22A
⁷ OGRID No.		⁸ Operator Name			⁹ Elevation
005073		CONOCO, INC.			

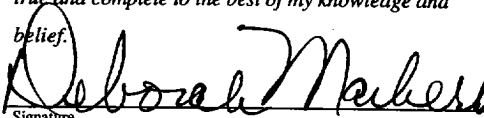
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	2	25N	5W		420	SOUTH	1850	EAST WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ Order No.					
160	I								

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

16					17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature DEBORAH MARBERRY Printed Name REGULATORY ANALYST Title 05/03/2002 Date
					18 SURVEYOR CERTIFICATION <i>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 supervision, and that the same is true and correct to the best of my belief.</i> Date of Survey Signature and Seal of Professional Surveyor: <div style="text-align: center;">1850</div> <div style="text-align: center;">400</div> Certificate Number

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-23516		² Pool Code 72319		³ Pool Name BLANCO MESAVERDE	
⁴ Property Code CONT 1		⁵ Property Name JICARILLA K			⁶ Well Number 22A
⁷ OGRID No. 005073		⁸ Operator Name CONOCO, INC.			⁹ Elevation

¹⁰ Surface Location

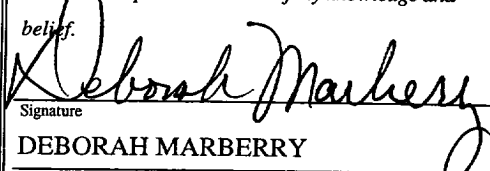
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	2	25N	5W		420	SOUTH	1850	East WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 320	¹³ Joint or Infill I	¹⁴ Consolidation Code	¹⁵ Order No.
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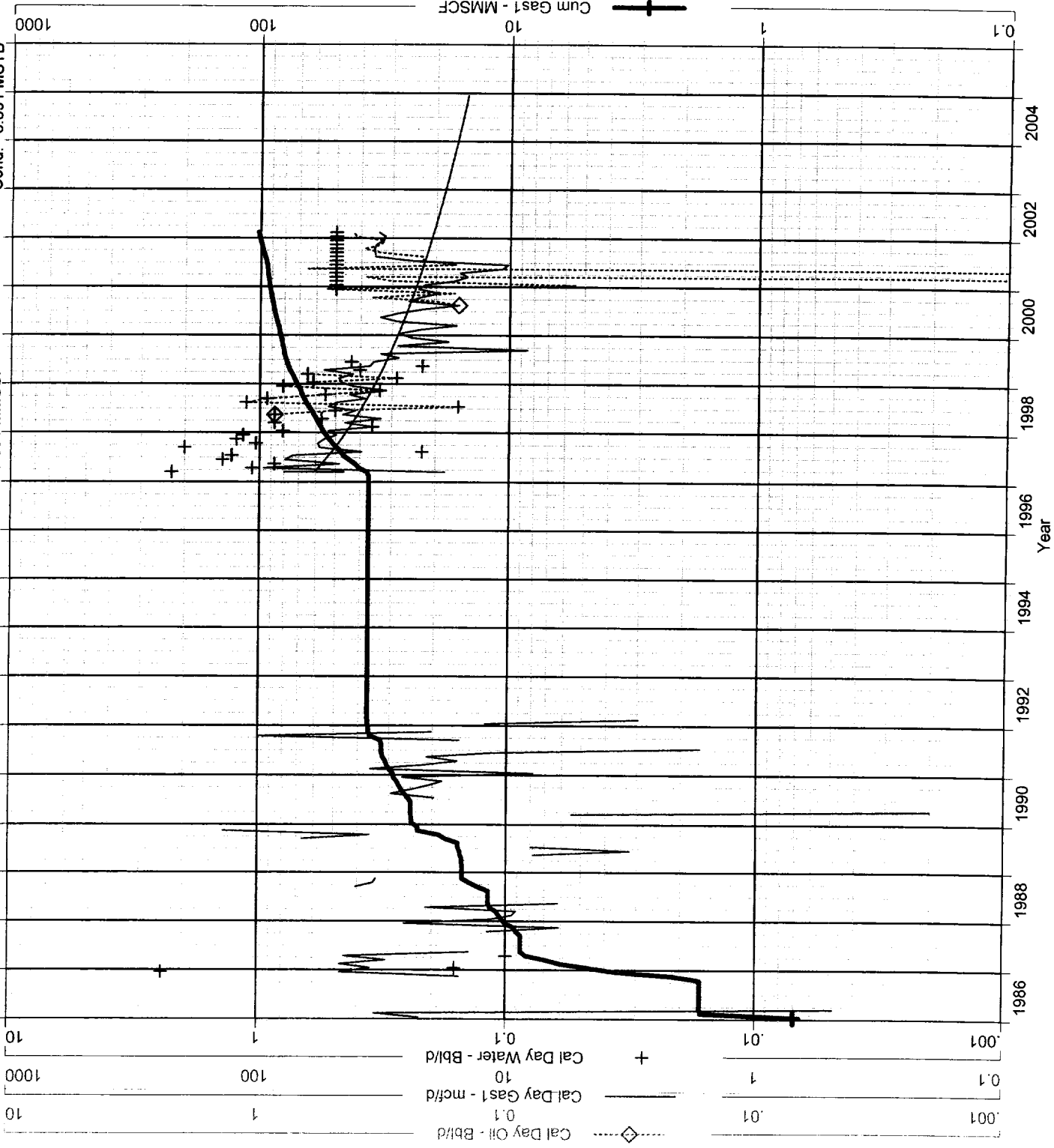
16					¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature DEBORAH MARBERRY Printed Name REGULATORY ANALYST Title 05/03/2002 Date
420 1850					¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Date of Survey Signature and Seal of Professional Surveyor: Certificate Number

JICARILLA K - 22A_MV (1884757) Data: May, 1985-Feb. 2002

Operator: CONOCO INC
 Field: BLANCO (MESAVERDE) MV
 Zone: MESAVERDE
 Type: Gas
 Group: Well: South Area Wells

Cal Day Gas FC 1 (Rate-Time)
 qi: 61.3246 mcf/d, Mar, 1997
 qf: 15.0472 mcf/d, Dec, 2004
 di(Hyp): 29.4084 CTD: 101.687 MMSCF
 RR: 17.9141 MMSCF Tot: 119.601 MMSCF

Production Cums
 Oil: 0.38098 MSTB
 Gas: 101.687 MMSCF
 Water: 1.0135 MSTB
 Cond: 3.891 MSTB



Cal Day Oil - Bbl/d

Cum: 0.38098 MSTB

Cal Day Gas 1 - mcf/d

Cum: 101.687 MMSCF

Cal Day Gas FC 1 - mcf/d

versus time

Qi: 61.3246 mcf/d, Mar, 1997

Qf: 15.0472 mcf/d, Dec, 2004

Di(Hyp->Exp) : 29.4084

n: 1.07754

RR: 17.9141 MMSCF

EUR: 119.601 MMSCF

Corr coeff: -0.625280

Cal Day Water - Bbl/d

Cum: 1.0135 MSTB

Cum Gas 1 - MMSCF

Cum: 0

Well Time Graph Report

Jicarilla K-22A Mesaverde Production - Avg. per year				
Year	Gas Rate Mcfpd	Oil Rate Bopd	Water Rate Bwpd	
2002	21.6	0.23	0.320	
2003	17.4	0.21	0.258	
2004	15.7	0.00	0.233	
2005				
2006				
2007				
2008				
2009				
2010				
2011				
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2031				
2032				
2033				
2034				

Jicarilla K-22A PC - Rate Prediction				
	Gas Rate Mcfpd	Oil Rate Bopd	Water Rate Bwpd	
2002	95.9	0	0	
2003	58.61	0	0	
2004	44.26	0	0	
2005	36.78	0	0	
2006	32.27	0	0	
2007	30.37	0	0	
2008	24.75	0	0	
2009	23.19	0	0	
2010	19.02	0	0	
2011	17.01	0	0	
2012	17.62	0	0	
2013	13.88	0	0	
2014	12.75	0	0	
2015	10.1	0	0	
2016	8.14	0	0	
2017	6.26	0	0	
2018	7.2	0	0	
2019	4.85	0	0	
2020	7.43	0	0	
2021	6.67	0	0	
2022	8.6	0	0	
2023	7.87	0	0	
2024	7.66	0	0	
2025	7.81	0	0	
2026	7.15	0	0	
2027				
2028				
2029				
2030				
2031				
2032				
2033				
2034				