

DATE IN 2/18/02	SUSPENSE N/R	ENGINEER DC	LOGGED IN KN	TYPE DHC # 11614	APP NO. PKRY 0204939309
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

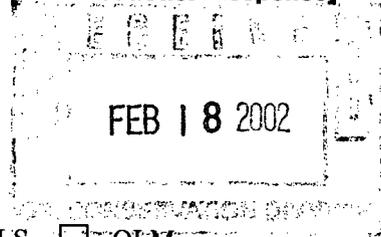
- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
 [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM
Amend
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

- [D] Other: Specify _____



- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply
 [A] Working, Royalty or Overriding Royalty Interest Owners
 [B] Offset Operators, Leaseholders or Surface Owner
 [C] Application is One Which Requires Published Legal Notice
 [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] Waivers are Attached

- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

- [4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

D. Marberry
Print or Type Name

Deborah Marberry
Signature

Regulatory Analyst
Title

2/15/02
Date

Deborah.Moore@CONDCO.COM
e-mail Address

District I
1625 N. French Drive, Hobbs, NM 68240

District II
811 South First Street, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-107A
Revised May 15, 2000

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

APPLICATION TYPE
 Single Well
 Established Pre-Approved Pools
 EXISTING WELLBORE
 Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

CONOCO, INC. P.O. BOX 2197 DU 3084 HOUSTON TX 77252
 Operator Address

JICARILLA K 16 D, SEC. 12 25N5W RIO ARRIBA
 Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 005073 Property Code _____ API No. 30-039-20428 Lease Type Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Blanco Mesaverde	Basin Dakota	
Pool Code	72319	71599	
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	5341' - 5701'	7512' - 7710'	
Method of Production (Flowing of Artificial Lift)	flowing	flowing	
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	1133 PSIA	829 PSIA	
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1265 BTU	1280 BTU	
Producing, Shut-in or New Zone	SHUT-IN	SHUT-IN	
Date and Oil/Gas/Water Rates of Last Production (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 11/00/1997 Rates: 20mcf, 0oil	Date: 06/00/1997 Rates: 80mcf, .2oil	Date: Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or part production, supporting data or explanation will be required.)	Oil _____ Gas _____ <i>see attached</i>	Oil _____ Gas _____ <i>see attached</i>	Oil _____ Gas _____ % %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingling zones?
 If not, have all working royalty and overriding royalty interest owners been notified by certified mail?
 Yes No _____
 Yes _____ No _____

Are all produced fluids from all commingling zones compatible with each other?
 Yes No _____

Will commingling decrease the value of production?
 Yes _____ No

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?
 Yes No _____

NMOCD Reference Case No. applicable to this well: R-11363 DHC ORDER #1614 -amending

- Attachments:
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
 - Production curve for each zone for at least one year. (If not available, attach explanation.)
 - For zones with no production history, estimated production rates and supporting data.
 - Data to support allocation method or formula.
 - Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
 - Any additional statements, data or documents required to support commingling.

Pre-Approved Pools

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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 02/07/2002

TYPE OR PRINT NAME DEBORAH MARBERY TELEPHONE NO. (281)293-1005

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd. Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-20428		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code 18022		5 Property Name Jicarilla K			6 Well Number 16
7 OGRD No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 6990

10 Surface Location

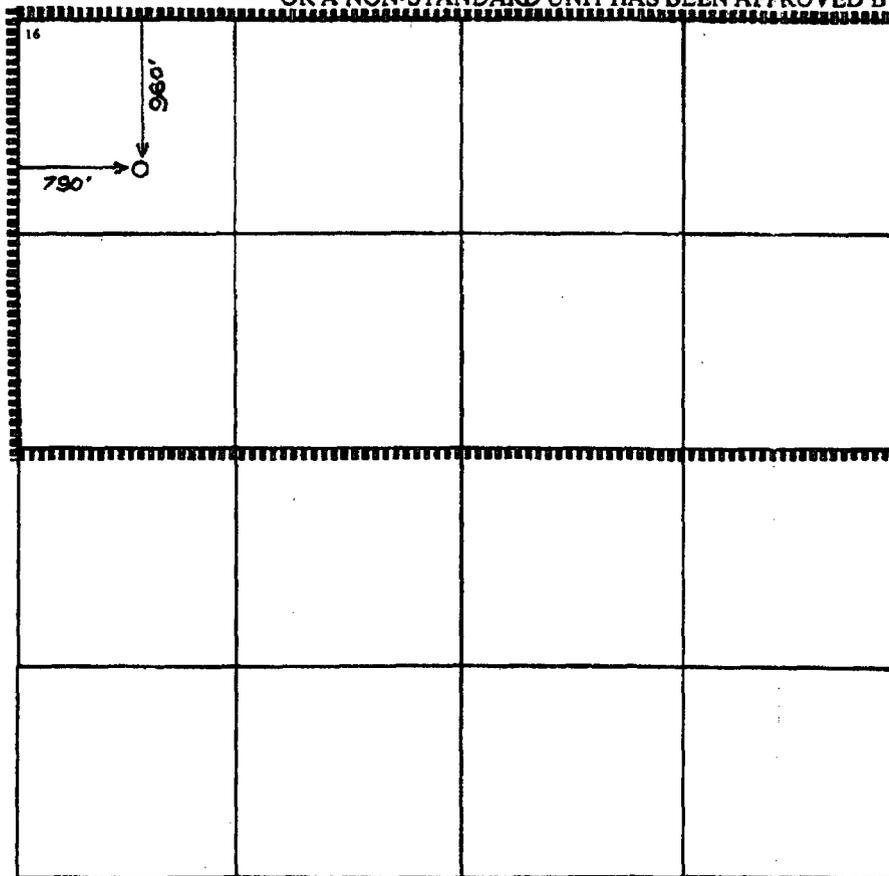
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	12	25N	5W		960	North	790	West	Rio Arriba

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 N/320	13 Joint or infill	14 Consolidation Code	15 Order No.
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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



17 OPERATOR CERTIFICATION

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

Jerry W. Hoover
Signature
Printed Name
Jerry W. Hoover
Title
Sr. Conservation Coordinator
Date
6/12/97

18 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 supervision, and that the same is true and correct to the best of my belief.

Date of Survey
Signature and Seal of Professional Surveyor.
Certificate Number

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator SOUTHERN UNION PRODUCTION COMPANY		Lease JICARILLA "K"		Well No. 16
Unit Letter D	Section 12	Township 25 NORTH	Range 5 WEST	County RIO ARriba
Actual Footage Location of Well: 960 feet from the NORTH line and 790 feet from the WEST line				
Ground Level Elev. 6990.0	Producing Formation DAKOTA	Pool BASIN DAKOTA	Dedicated Acreage. N/2 - 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?
 Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

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

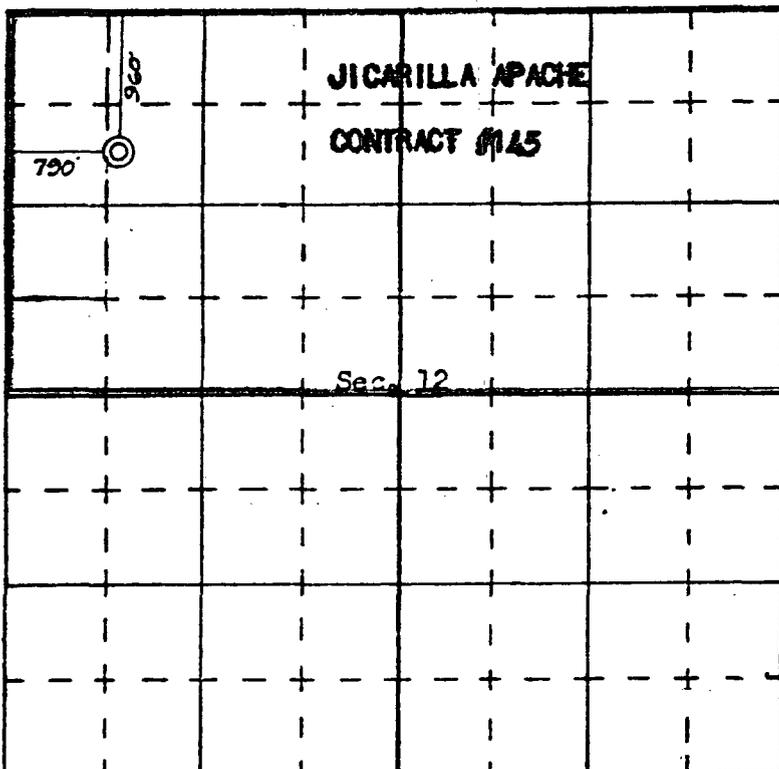
**ORIGINAL SIGNED BY
B. R. VANDERSLICE**

Name **BILL VANDERSLICE**
 Position **AREA SUPERINTENDENT**
 Company **SOUTHERN UNION PRODUCTION**
 Date **SEPTEMBER 21, 1971**

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 knowledge and belief.

Date Surveyed **16 September, 1971**

 Registered Professional Engineer
 and Land Surveyor
JAMES P. LESSE
 1463
 Certificate No. _____



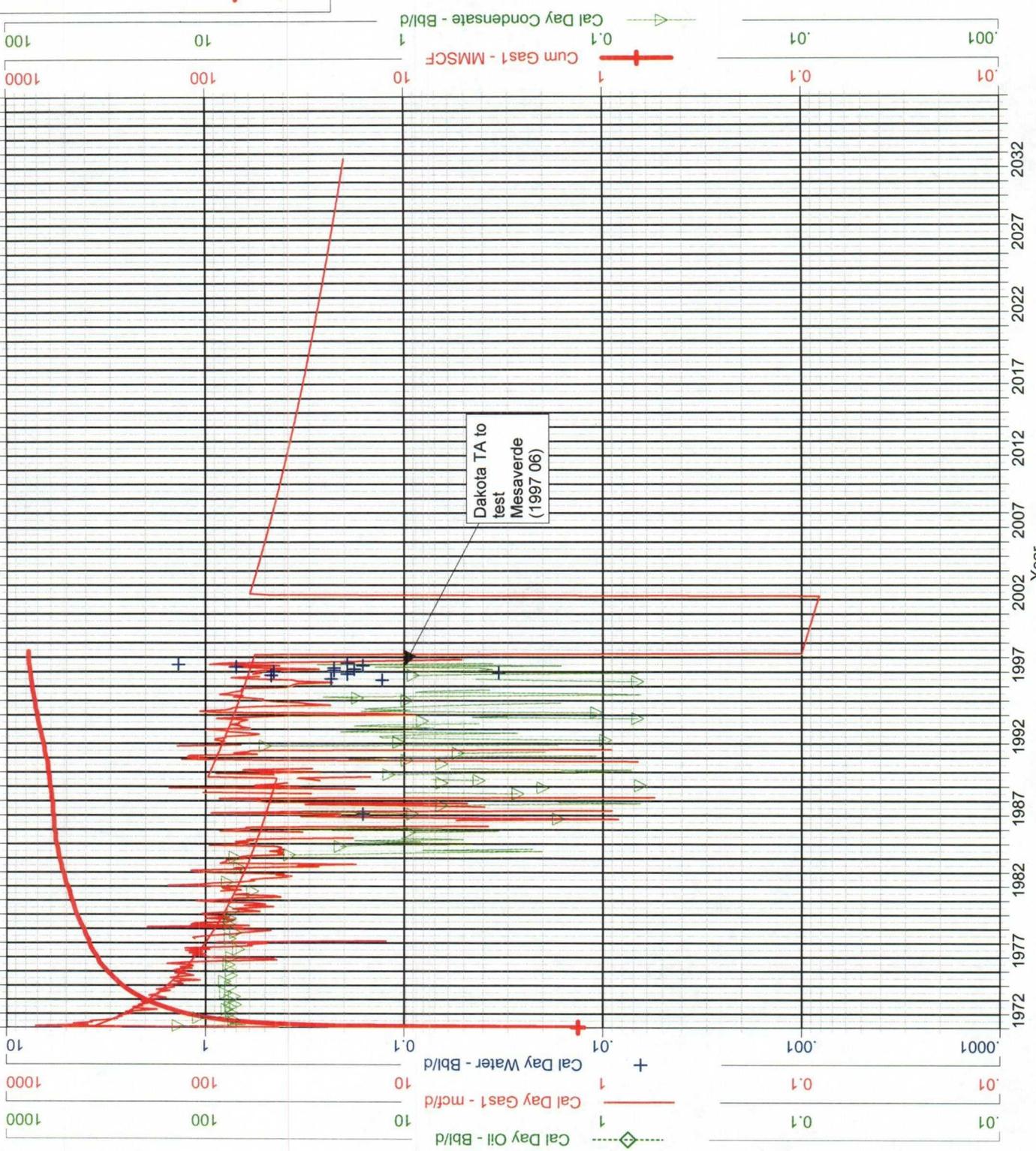
SCALE—4 INCHES EQUALS 1 MILE

JICARILLA K - 16 - DK (251-039-25N05W12D00DK) Data: Nov. 1971-May. 1998

Operator: CONOCO INC
 Field: BASIN (DAKOTA) DK
 Zone: DAKOTA
 Type: Gas
 Group: None

P50 Forecast (Rate-Time)
 qi: 379.269 mcf/d, Jan, 1972
 qf: 20.0049 mcf/d, Aug, 2032
 di(Hyp): 33.0831 CTD: 774.469 MMSCF
 RR: 380.127 MMSCF Tot: 1154.6 MMSCF

Production Cums
 Oil: 0 MSTB
 Gas: 774.469 MMSCF
 Water: 0.143 MSTB
 Cond: 9.77 MSTB



---◇--- Cal Day Oil - Bbl/d
 Cum: 0 MSTB

— Cal Day Gas1 - mcf/d
 Cum: 774.469 MMSCF

—+ P50 Forecast - mcf/d
 versus time

Qi: 379.269 mcf/d, Jan, 1972
 Qf: 20.0049 mcf/d, Aug, 2032
 Di:(Hyperbolic) : 33.0831
 n: 1.1
 RR: 380.127 MMSCF
 EUR: 1154.6 MMSCF
 Corr coeff: N/A

+ Cal Day Water - Bbl/d
 Cum: 0.143 MSTB

+ Cum Gas1 - MMSCF
 Cum: 0

---▽--- Cal Day Condensate - Bbl/d
 Cum: 9.77 MSTB

Jicarilla K-16

Dakota forecast for subtraction from combined DHC Dakota and Mesaverde.

Mesaverde is already open but was not adequately tested before encountering well problems.

Year	Dakota Gas Forecast mcf/d	Dakota Oil Forecast bopd
2002	58.9	0.3
2003	56.4	0.3
2004	53.7	0.3
2005	51.2	0.3
2006	48.9	0.2
2007	46.8	0.2
2008	44.8	0.2
2009	42.9	0.2
2010	41.2	0.2
2011	39.6	0.2
2012	38.0	0.2
2013	36.6	0.2
2014	35.2	0.2
2015	34.0	0.2
2016	32.8	0.2
2017	31.6	0.2
2018	30.5	0.2
2019	29.5	0.1
2020	28.6	0.1
2021	27.7	0.1
2022	26.8	0.1
2023	26.0	0.1
2024	25.2	0.1
2025	24.4	0.1
2026	23.7	0.1
2027	23.0	0.1
2028	22.4	0.1
2029	21.8	0.1
2030	21.2	0.1
2031	20.6	0.1
2032	13.4	0.1

(9 month average w/ production start = 4/1/2002)