

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  
X DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[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] X Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] X Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] X 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.**

Gaylan G. Bunas

Print or Type Name

Signature

*[Handwritten Signature: G. Bunas]*

Regulatory Advisor

Title

gaylan.bunas@dvn.com

e-mail Address

Date

2-18-15

- DHC-4724-A  
- Devon Energy Production Company, L.P.  
6137 well  
- Northeast Blaine Unit 6 8m  
30-045-33774  
POU  
- Basin Dakota  
71594  
- Los Pinos, Fr + SWD pg South (G)



Devon Energy Production Company, L.P.  
333 West Sheridan Avenue  
Oklahoma City, OK 73102-5015  
405.552.4594

February 19, 2015

**VIA: FedEx Overnight**

NM Oil Conservation Division  
Energy, Minerals & Natural Resource Dept.  
1220 South St. Francis Drive  
Santa Fe, NM 87505

**APPLICATION FOR DOWNHOLE COMMINGLE  
NEBU 68M, API No. 30-045-33474  
UNIT A, SEC. 35, TOWNSHIP 31N, RANGE 07W  
SAN JUAN CO., NM**

RECEIVED OGD  
2015 FEB 24 A 9:18

Dear Sir or Madam:

Devon Energy Production Co, LP (Devon) requests approval to commingle the existing Basin Dakota with the existing Los Pinos Pictured Cliffs in the referenced well. Both the Dakota and Pictured Cliffs were completed on May 14, 2006. Attached is the Form C-107A along with supporting data.

The allocation of production will be calculated from each zone using a variable percentage that was derived from using a forecast of actual production from isolated Basin-Dakota and Pictured Cliff intervals. The variable percentage schedule is required due to the dissimilar decline trends exhibited by the Pictured Cliffs and Dakota intervals.

If you have questions or need additional information, please contact me at 405/552-4594 or at Gaylan.Bunas@dvn.com.

Sincerely,

Gaylan G. Bunas  
Regulatory Advisor

C: Bureau of Land Management  
6251 College Blvd., Suite A  
Farmington, NM 87402

Attachments

District I  
1625 N. French Drive, Hobbs, NM 88240

District II  
811 S. First St., Artesia, NM 88210

District III  
1000 Rio Bravo Road, Aztec, NM 87410

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-107A  
Revised August 1, 2011

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

APPLICATION FOR DOWNHOLE COMMINGLING

Devon Energy Production Co, LP

333 W. Sheridan Ave. Oklahoma City, OK 73102

Operator Address  
Northeast Blanco Unit 68M A-See 35-T31N-R7W San Juan

Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 6137 Property Code 19641 API No. 30-045-33474 Lease Type: X Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Los Pinos S; FRT SND PC, South		Basin Dakota
Pool Code	80690		71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)			
Method of Production (Flowing or 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)	120 psi		200 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)			
Producing, Shut-In or New Zone	Producing		Producing
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: 10/15/14 Rates: 118 MCF/day	Date: Rates:	Date: 10/15/14 Rates: 38 MCF/day
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas % 64 %	Oil Gas % %	Oil Gas % 36 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes No X  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes X No  
Are all produced fluids from all commingled zones compatible with each other? Yes X No  
Will commingling decrease the value of production? Yes No X  
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 X No

NMOCD Reference Case No. applicable to this well:

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 Gaylan G. Bunas TITLE Regulatory Advisor DATE 2-18-15

TYPE OR PRINT NAME Gaylan G. Bunas TELEPHONE NO. (405) 552-4594

E-MAIL ADDRESS gaylan.bunas@dvn.com

District I  
PO Box 1980, Hobbs NM 88241-1980  
District II  
PO Drawer KK, Artesia, NM 87211-0719  
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

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number <b>30-045-33474</b>		* Pool Code <b>71599/80690</b>	* Pool Name <b>Basin Dakota / S. Las Pinos Fm / sd Pictured Cliffs</b>
* Property Code <b>19641</b>	* Property Name <b>NEBU Northeast Blanco Unit</b>		* Well Number <b># 68M</b>
* OGRID No <b>6137</b>	* Operator Name <b>Devon Energy Production Company, L.P.</b>		* Elevation <b>6333</b>

<sup>10</sup> Surface Location

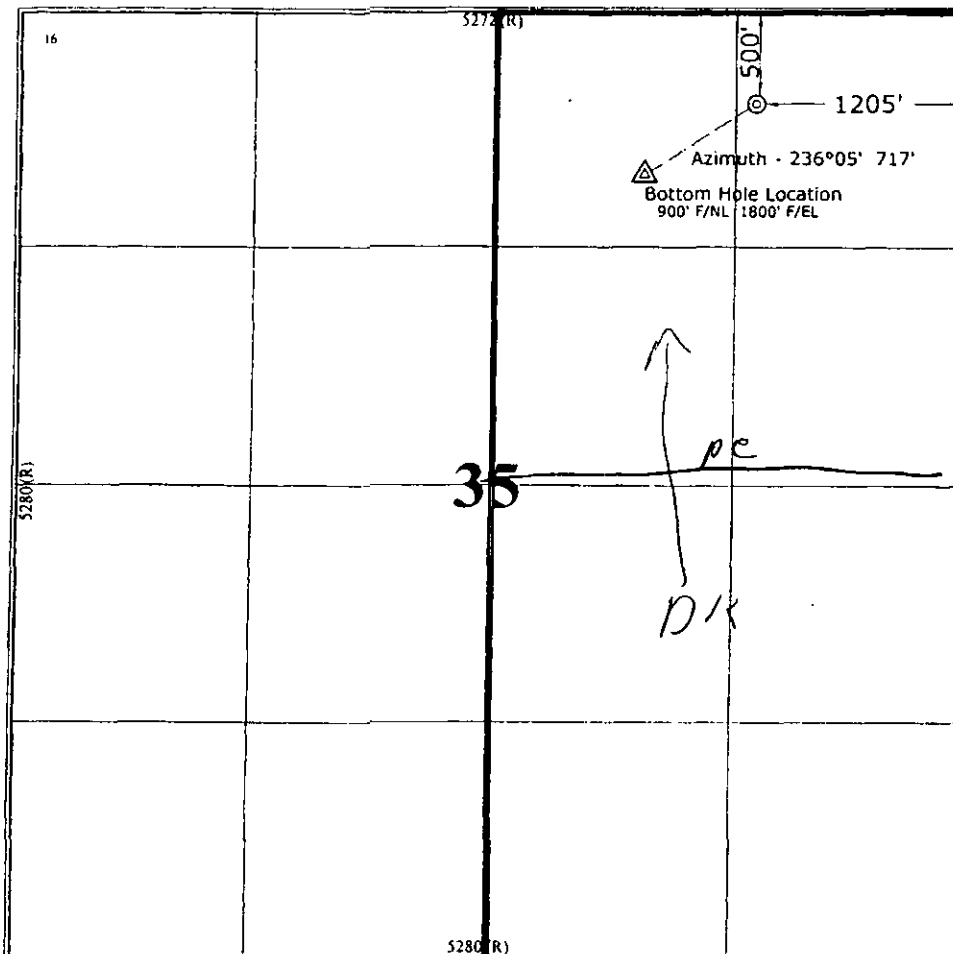
UL or Lot No <b>A</b>	Section <b>35</b>	Township <b>31 N</b>	Range <b>7 W</b>	Lot Idn	Feet from the <b>500</b>	North/South line <b>NORTH</b>	Feet from the <b>1205</b>	East/West line <b>EAST</b>	County <b>SAN JUAN</b>
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. <b>B</b>	Section <b>35</b>	Township <b>31 N</b>	Range <b>7 W</b>	Lot Idn	Feet from the <b>900</b>	North/South line <b>NORTH</b>	Feet from the <b>1800</b>	East/West line <b>EAST</b>	County <b>SAN JUAN</b>
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* Dedicated Acres <b>320DK</b>	* Joint or Infill	* Consolidation Code	* 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



<sup>17</sup> OPERATOR CERTIFICATION

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

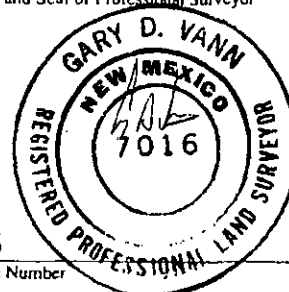
*M.S. Zimmerman*  
Signature  
**Melissa Zimmerman**  
Printed Name  
**Sr. Operations Tech.**  
Title  
**December 8, 2005**  
Date

<sup>18</sup> 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

**September 29, 2005**  
Date of Survey

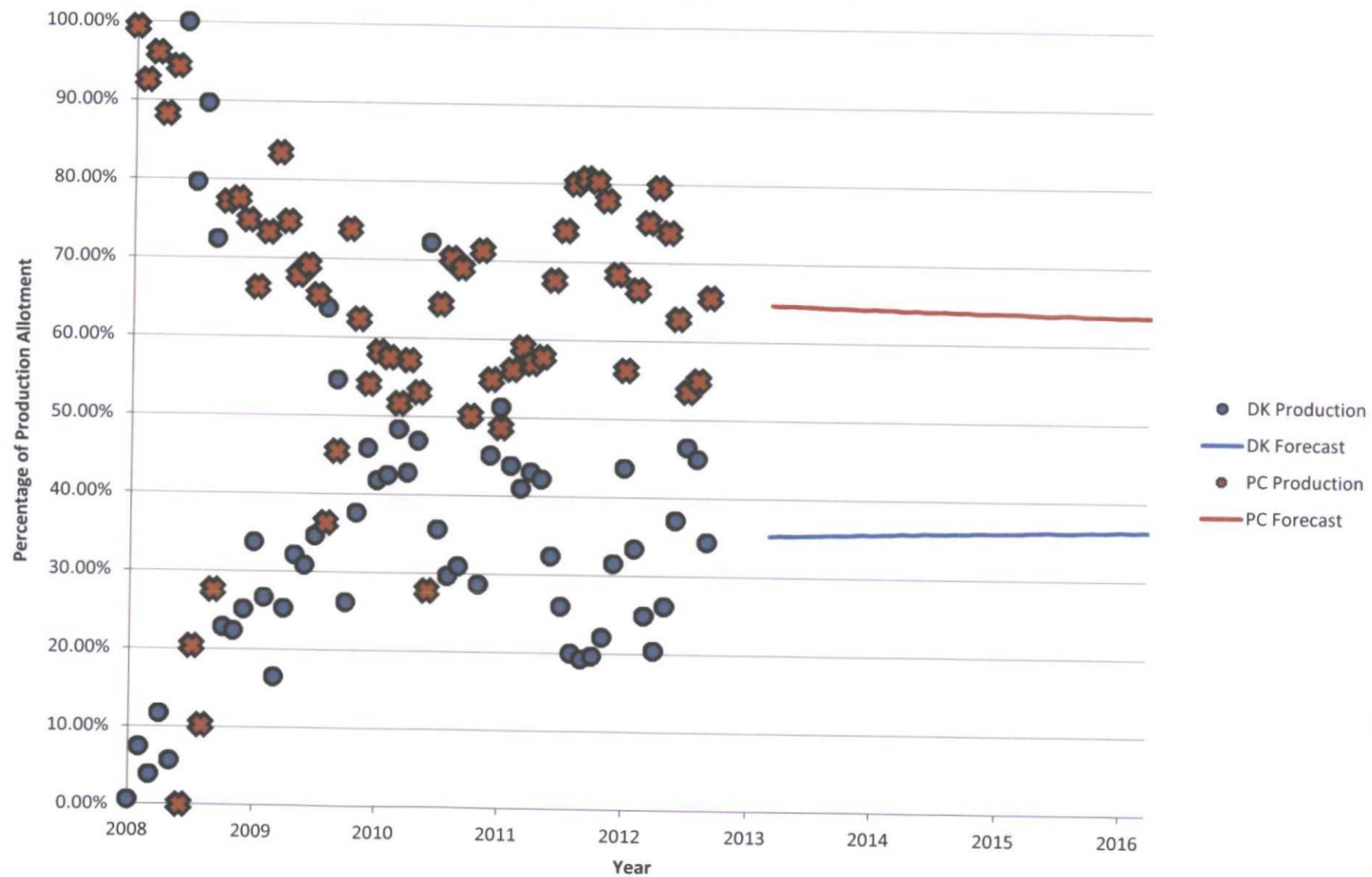
Signature and Seal of Professional Surveyor



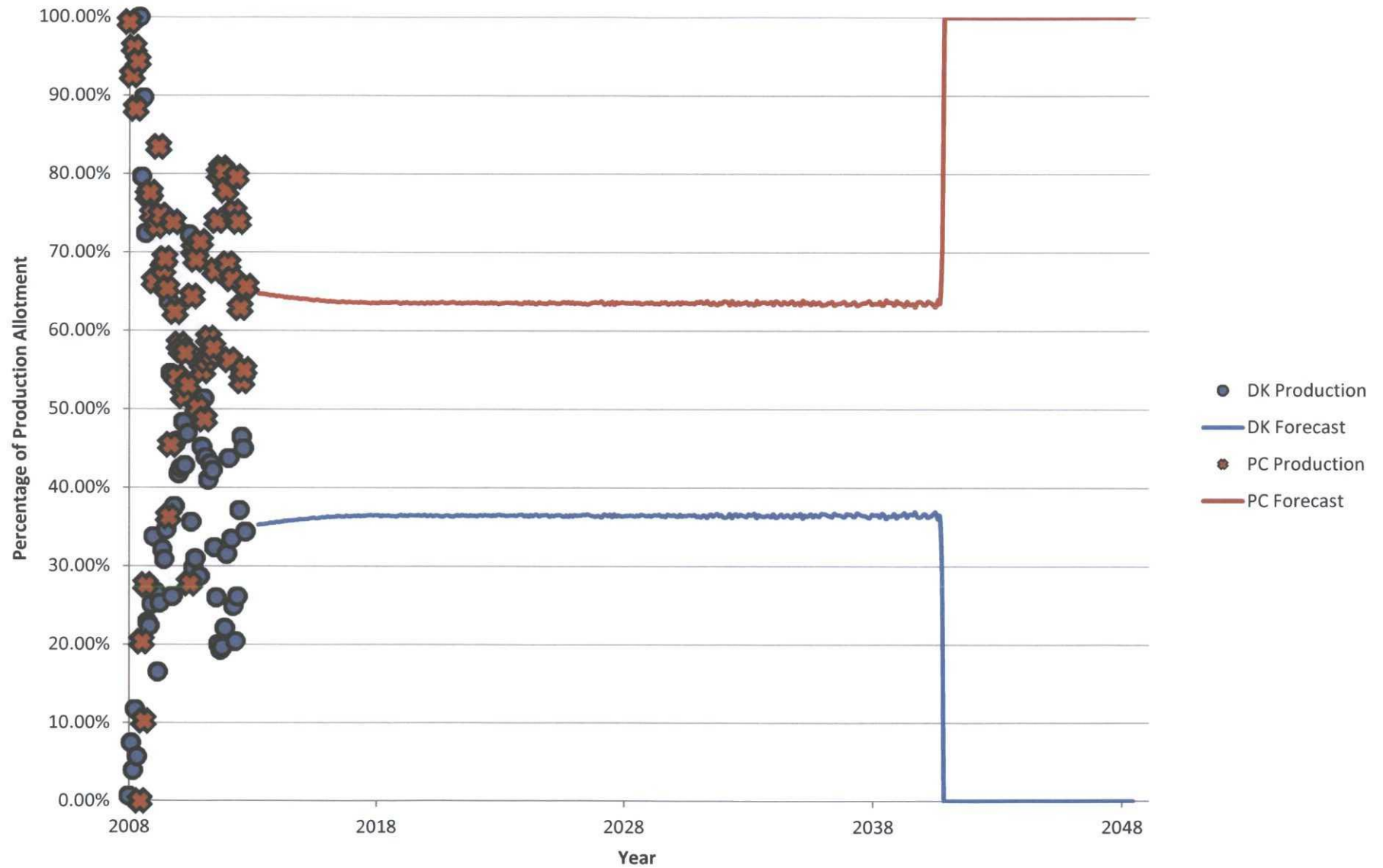
**7016**  
Certificate Number

A variable percentage schedule was derived using a forecast of actual production from isolated Basin-Dakota and Pictured Cliffs. These forecasts were generated by using isolated actual production from each zone. The variable percentage schedule is required due to the dissimilar decline trends exhibited by the Pictured Cliffs and Dakota.

## Production Allotment (Near Term) Historical vs Forecast



## Production Allotment (Long Term) Historical vs Forecast

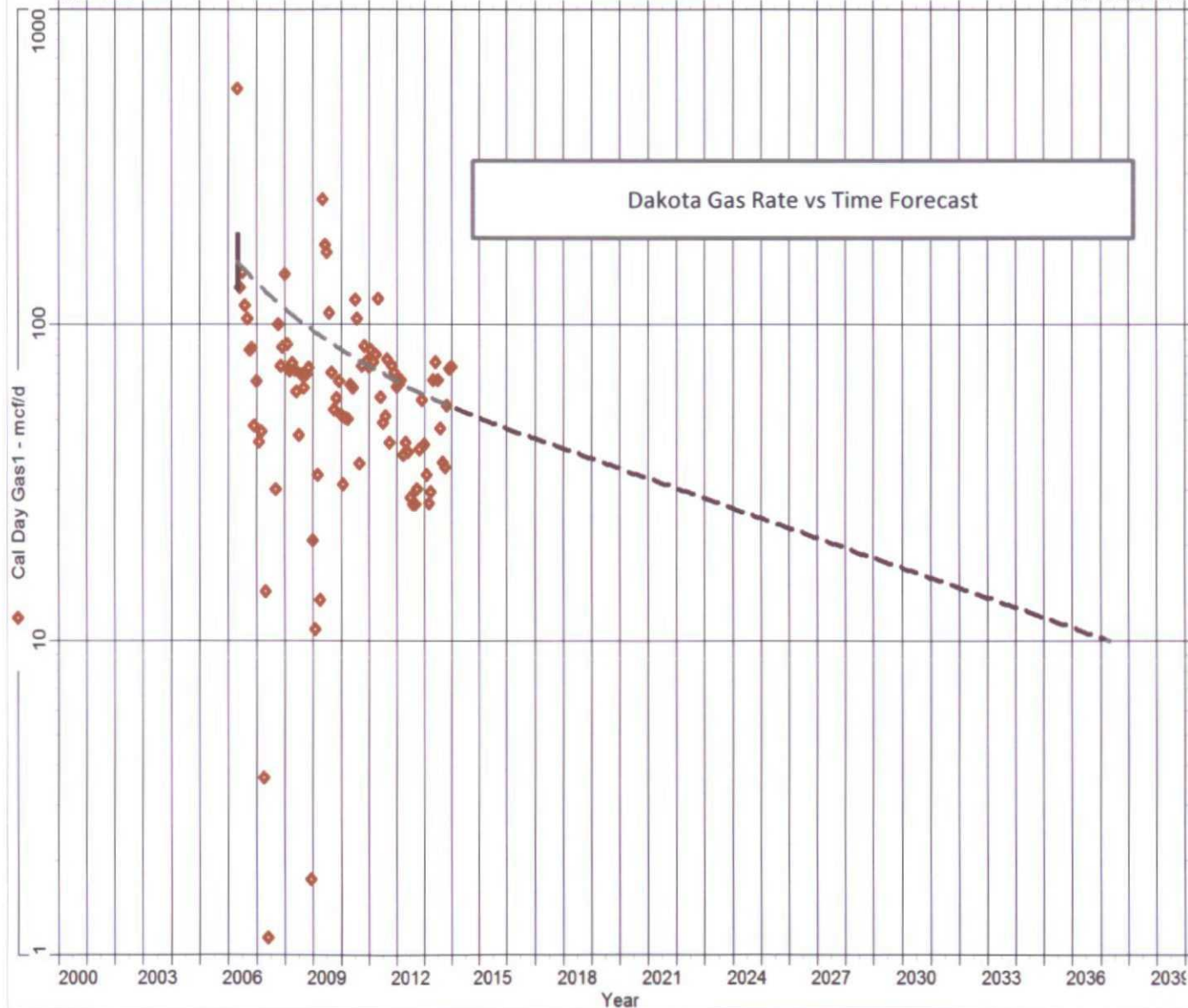


# NEBU DAKOTA 68M PC (NEBU DAKOTA 68M PC) Data: May.2006-Mar.2014

Operator: DEVON  
Field: NEBU/DAKOTA  
Zone: DAKOTA  
Type: Gas  
Group: None

Production Cums  
Oil: 0.000000 MMBBL  
Gas: 197.260000 MMSCF  
Water: 1.090000 MSTB  
Cond: 0.000000

◆ Cal Day Gas1 - mcf/d  
Cum: 197.26 MMSCF  
—◆— BASE - mcf/d  
Qi: 160.00 mcf/d 2006-05  
Di (eff. ann.): 19.89 % (Hyp->Exp)  
Df (eff. ann.): 6.77 % (Hyp->Exp)  
Hyperbolic exponent: 1.00  
RRt: 221.74 MMSCF  
EUR: 419.00 MMSCF

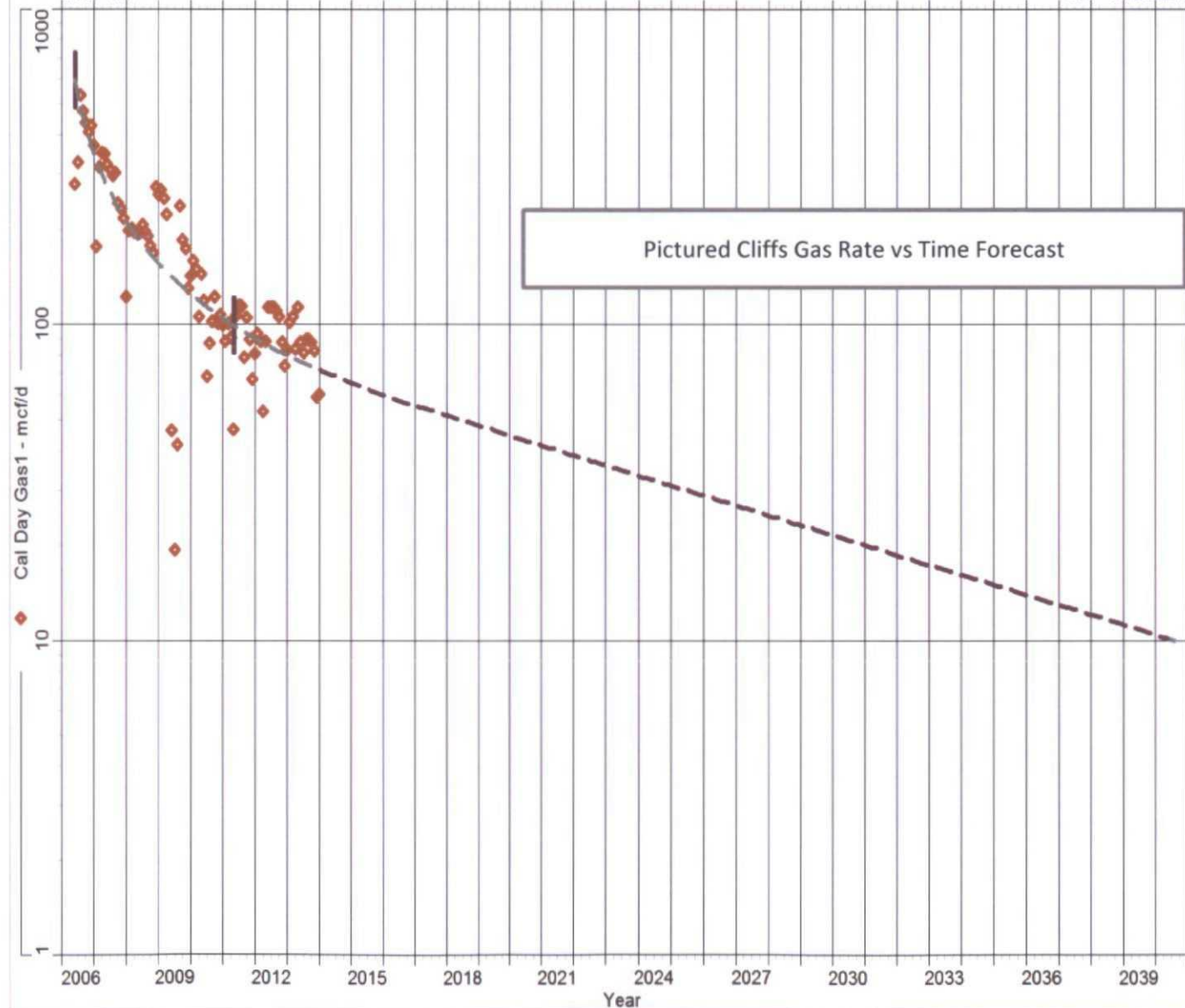




# NEBU PC 68M DK (NEBU PC 68M DK) Data: May.2006-Mar.2014

Operator: DEVON  
Field: NEBU/PICTURED CLIFFS  
Zone: PICTURED CLIFFS  
Type: Gas  
Group: None

Production Cums  
Oil: 0.000000 MEBL  
Gas: 465.515000 MMSCF  
Water: 1.388000 MSTB  
Cond: 0.497000 MSTB



Pictured Cliffs Gas Rate vs Time Forecast

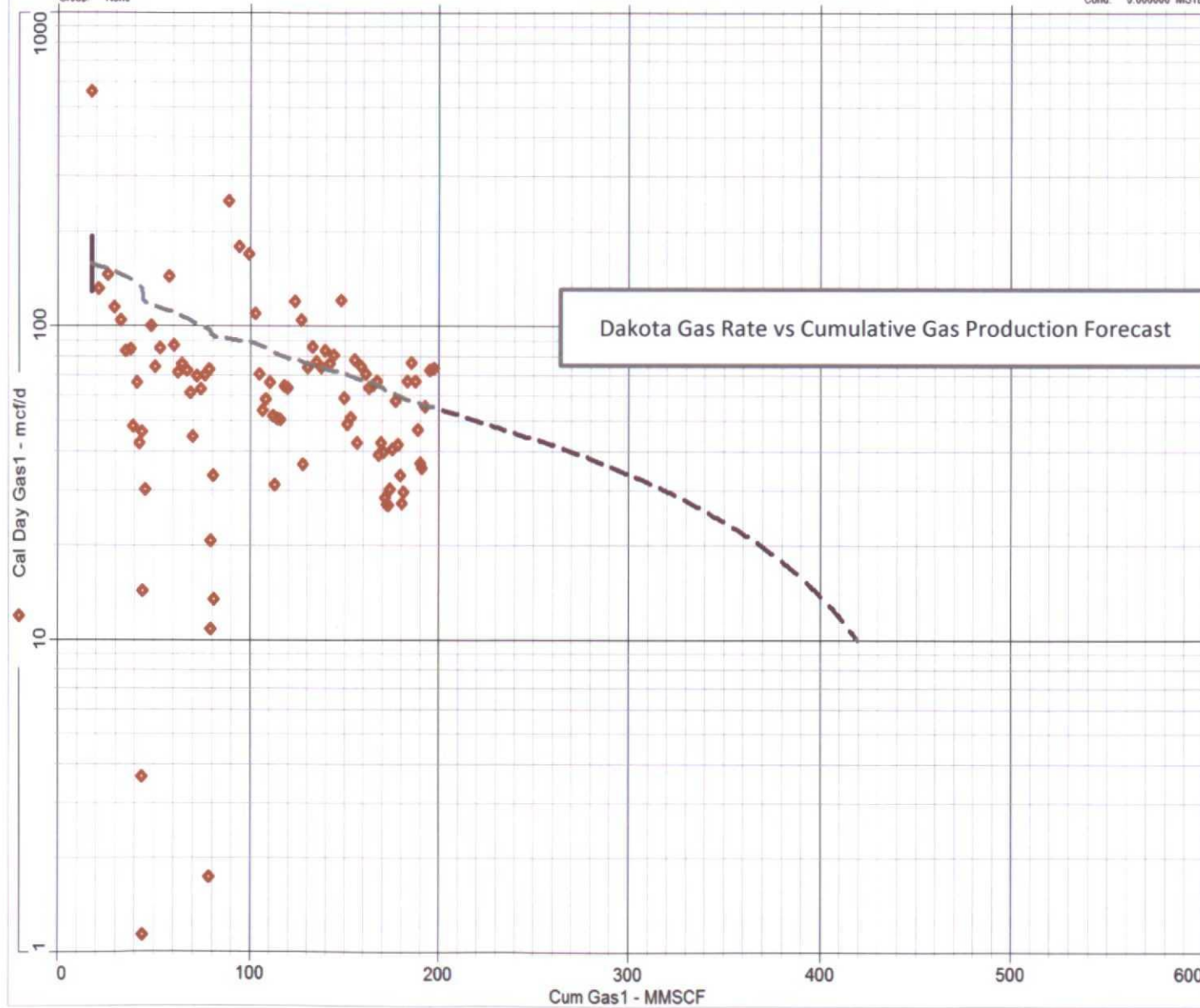
◆ Cal Day Gas1 - mcf/d  
Cum: 465.51 MMSCF  
—◆— BASE - mcf/d  
Qi: 100.00 mcf/d 2011-05  
Di (eff. ann.): 12.94 % (Hyp->Exp)  
Df (eff. ann.): 6.72 % (Hyp->Exp)  
Hyperbolic exponent: 1.20  
RRt: 295.77 MMSCF  
EUR: 761.28 MMSCF

# NEBU DAKOTA 68M PC (NEBU DAKOTA 68M PC) Data: May.2006-Mar.2014

Operator: DEVON  
Field: NEBU/DAKOTA  
Zone: DAKOTA  
Type: Gas  
Group: None

Production Cums  
Oil: 0.000000 MEBL  
Gas: 197.260000 MMCF  
Water: 1.090000 MSTB  
Cond: 0.000000 MSTB

◆ Cal Day Gas1 - mcf/d  
Cum: 197.26 MMSCF  
— BASE - mcf/d  
Qi: 160.00 mcf/d 2006-05  
Di (eff. ann.): 19.89 % (Hyp->Exp)

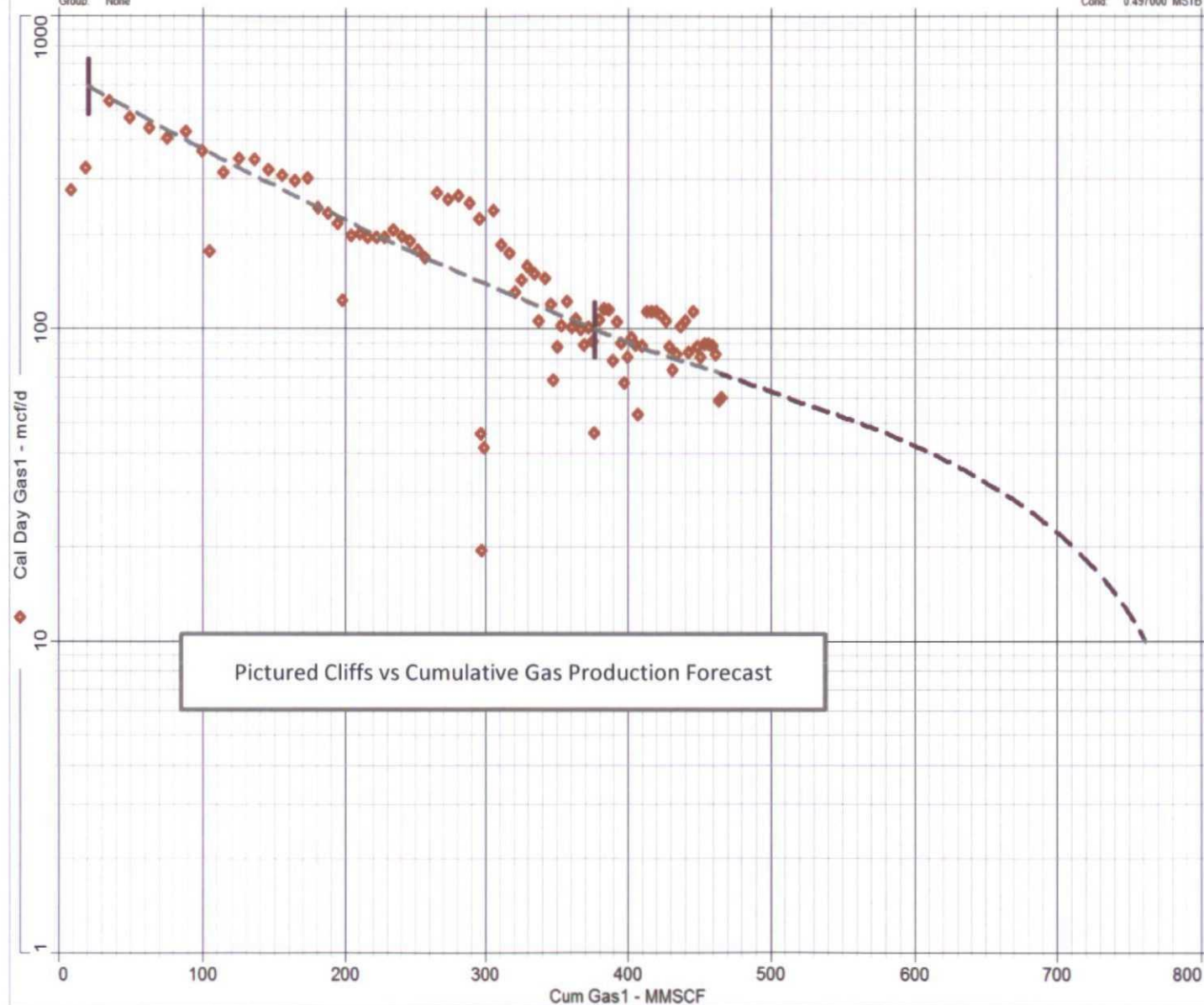


# NEBU PC 68M DK (NEBU PC 68M DK) Data: May.2006-Mar.2014

Operator: DEVON  
Field: NEBU/PICTURED CLIFFS  
Zone: PICTURED CLIFFS  
Type: Gas  
Group: None

Production Cums  
Oil: 0.000000 MEBL  
Gas: 465.515000 MMCF  
Water: 1.388000 MSTB  
Cond: 0.497000 MSTB

◆ Cal Day Gas1 - mcf/d  
Cum: 465.51 MMSCF  
— BASE - mcf/d  
Qi: 100.00 mcf/d 2011-05  
Di (eff. ann.): 12.94 % (Hyp->Exp)



Allocated Month	Gas Vol (MMCF/M)		Allocation		Oil Vol (MBBL/M)		Water Vol (MMBL/M)	
	DK	PC	DK	PC	DK	PC	DK	PC
May-06	17.31		100.00%	0.00%	---	---	0.09	---
June-06	3.94	8.34	32.08%	67.92%	---	---	0.02	0.01
July-06	4.53	10.14	30.88%	69.12%	---	---	0.04	---
August-06	3.57	16.58	17.72%	82.28%	---	---	0.01	---
September-06	3.12	14.19	18.02%	81.98%	---	---	0.02	---
October-06	2.59	13.57	16.03%	83.97%	---	---	0.02	---
November-06	2.54	12.19	17.24%	82.76%	---	---	0.01	---
December-06	1.49	13.24	10.12%	89.88%	---	---	0	---
January-07	2.05	11.43	15.21%	84.79%	0.01	---	0.01	---
February-07	1.19	4.94	19.41%	80.59%	0.01	---	0.01	---
March-07	1.42	9.76	12.70%	87.30%	0.03	---	0	---
April-07	0.11	10.46	1.04%	98.96%	0.01	---	0.06	0
May-07	0.44	10.76	3.93%	96.07%	0.01	---	0.05	0.01
June-07	0.03	9.66	0.31%	99.69%	0.02	---	---	---
July-07	0.00	9.60	0.00%	100.00%	0.01	---	---	---
August-07	0.01	9.17	0.11%	99.89%	0.04	---	0	0
September-07	0.90	9.11	8.99%	91.01%	0.02	---	0.03	0.04
October-07	3.10	7.55	29.11%	70.89%	0.01	---	0.03	0.02
November-07	2.22	6.99	24.10%	75.90%	0.01	---	0.01	0.01
December-07	2.63	6.71	28.16%	71.84%	---	---	0.01	0.01
January-08	4.47	3.80	54.05%	45.95%	0.01	---	0.02	0.02
February-08	2.51	5.77	30.31%	69.69%	0.02	---	0.01	0.01
March-08	2.22	6.24	26.24%	73.76%	0.01	---	0.02	0.02
April-08	2.27	5.88	27.85%	72.15%	0.01	---	0.03	0.02
May-08	2.23	6.06	26.90%	73.10%	0.01	---	0.01	0.01
June-08	1.84	5.85	23.93%	76.07%	0.01	---	0.01	0.01
July-08	1.38	6.40	17.74%	82.26%	---	---	0.02	0.02
August-08	2.15	6.11	26.03%	73.97%	0.03	---	0.01	0.01
September-08	1.89	5.72	24.84%	75.16%	0.05	---	0.01	0.01
October-08	2.16	5.52	28.13%	71.88%	0	---	0.01	0.01
November-08	2.19	5.04	30.29%	69.71%	---	---	---	---
December-08	0.05	8.44	0.59%	99.41%	---	---	0	0
January-09	0.64	8.00	7.41%	92.59%	---	0.01	---	---
February-09	0.30	7.46	3.87%	96.13%	0.01	0	---	---
March-09	1.03	7.78	11.69%	88.31%	---	0	0	0.02
April-09	0.40	6.72	5.62%	94.38%	---	0	0.01	0.01
May-09	7.73	0.00	100.00%	0.00%	---	---	0	0.01
June-09	5.39	1.38	79.62%	20.38%	0.01	---	0	0.01
July-09	5.24	0.60	89.73%	10.27%	0	---	---	0.01
August-09	3.38	1.29	72.38%	27.62%	---	---	---	0
September-09	2.11	7.14	22.81%	77.19%	---	0	0.01	0.02
October-09	1.66	5.76	22.37%	77.63%	0.01	---	0.01	0.01
November-09	1.76	5.24	25.14%	74.86%	---	---	0.01	0.01
December-09	2.06	4.05	33.72%	66.28%	0	---	0.01	0.01
January-10	1.61	4.43	26.66%	73.34%	---	---	0.01	0.01
February-10	0.88	4.45	16.51%	83.49%	0	---	0.01	0.01
March-10	1.57	4.64	25.28%	74.72%	---	---	0.02	0.02
April-10	1.51	3.19	32.13%	67.87%	---	---	0.01	0.01
May-10	2.00	4.49	30.82%	69.18%	---	---	0.01	0.01
June-10	1.90	3.59	34.61%	65.39%	---	---	0.01	0.01
July-10	3.72	2.12	63.70%	36.30%	0	---	0.01	0.01
August-10	3.25	2.71	54.53%	45.47%	---	0.04	0.01	0.01
September-10	1.09	3.08	26.14%	73.86%	---	---	0.01	0.01
October-10	2.29	3.80	37.60%	62.40%	---	---	0.01	0.01
November-10	2.57	3.03	45.89%	54.11%	---	---	0.01	0.01
December-10	2.38	3.32	41.75%	58.25%	0.02	---	0.02	0.01
January-11	2.28	3.09	42.46%	57.54%	---	---	0.01	0.01
February-11	2.33	2.49	48.34%	51.66%	---	---	0.01	0.01
March-11	2.35	3.14	42.81%	57.19%	---	---	0.01	0.01

PC = Pictured Cliffs  
DK = Dakota

Allocated Month	Gas Vol (MMCF/M)		Allocation		Oil Vol (MBBL/M)		Water Vol (MMBL/M)	
	DK	PC	DK	PC	DK	PC	DK	PC
April-11	2.41	2.73	46.89%	53.11%	---	---	0.01	0.01
May-11	3.74	1.44	72.20%	27.80%	---	---	0.01	0.01
June-11	1.77	3.20	35.61%	64.39%	---	---	0.01	0.01
July-11	1.51	3.58	29.67%	70.33%	---	---	0.01	0.01
August-11	1.59	3.55	30.93%	69.07%	---	---	0.01	0.01
September-11	2.34	2.36	49.79%	50.21%	---	---	0.01	0.01
October-11	1.31	3.26	28.67%	71.33%	0.01	---	---	---
November-11	2.22	2.70	45.12%	54.88%	0.01	---	0.01	0.01
December-11	2.19	2.08	51.29%	48.71%	---	---	0.01	0.01
January-12	1.96	2.51	43.85%	56.15%	---	---	---	---
February-12	1.88	2.71	40.96%	59.04%	---	---	0.01	0.01
March-12	2.07	2.74	43.04%	56.96%	0.05	---	0.02	0.02
April-12	1.16	1.59	42.18%	57.82%	0	---	0.01	0.01
May-12	1.31	2.74	32.35%	67.65%	---	---	0.02	0.02
June-12	1.19	3.39	25.98%	74.02%	---	---	0.02	0.02
July-12	0.88	3.52	20.00%	80.00%	0.03	---	0.02	0.02
August-12	0.84	3.52	19.27%	80.73%	0.01	---	0.02	0.02
September-12	0.81	3.31	19.66%	80.34%	---	---	0.02	0.02
October-12	0.93	3.28	22.09%	77.91%	---	---	0.02	0.02
November-12	1.21	2.63	31.51%	68.49%	---	---	0.02	0.02
December-12	1.78	2.29	43.73%	56.27%	---	---	0.02	0.02
January-13	1.29	2.57	33.42%	66.58%	---	---	0.02	0.02
February-13	0.94	2.84	24.87%	75.13%	---	---	0.01	0.01
March-13	0.84	3.28	20.39%	79.61%	---	---	0.02	0.02
April-13	0.89	2.52	26.10%	73.90%	---	---	0.02	0.02
May-13	2.07	3.51	37.10%	62.90%	---	---	0.02	0.02
June-13	2.28	2.63	46.44%	53.56%	---	---	0.02	0.02
July-13	2.06	2.52	44.98%	55.02%	---	---	0.02	0.02
August-13	1.45	2.77	34.36%	65.64%	---	---	0.01	0.01
September-13	1.10	2.69	29.02%	70.98%	---	---	0.02	0.02
October-13	1.09	2.72	28.61%	71.39%	---	---	0.02	0.02
November-13	1.66	2.48	40.10%	59.90%	---	---	0.02	0.02
December-13	2.24	1.82	55.17%	44.83%	0.01	---	0.02	0.02
January-14	2.27	1.86	54.96%	45.04%	---	---	0.02	0.02

PC = Pictured Cliffs  
DK = Dakota

### Forecast Starts Here

February-14	2.08	3.82	35.25%	64.75%
March-14	2.29	4.19	35.34%	64.66%
April-14	2.20	4.03	35.31%	64.69%
May-14	2.26	4.13	35.37%	64.63%
June-14	2.17	3.96	35.40%	64.60%
July-14	2.23	4.06	35.45%	64.55%
August-14	2.22	4.03	35.52%	64.48%
September-14	2.13	3.87	35.50%	64.50%
October-14	2.19	3.97	35.55%	64.45%
November-14	2.11	3.81	35.64%	64.36%
December-14	2.16	3.91	35.58%	64.42%
January-15	2.15	3.88	35.66%	64.34%
February-15	1.93	3.48	35.67%	64.33%
March-15	2.13	3.82	35.80%	64.20%
April-15	2.04	3.67	35.73%	64.27%
May-15	2.10	3.76	35.84%	64.16%
June-15	2.02	3.62	35.82%	64.18%
July-15	2.07	3.71	35.81%	64.19%
August-15	2.06	3.68	35.89%	64.11%
September-15	1.98	3.54	35.87%	64.13%
October-15	2.04	3.63	35.98%	64.02%
November-15	1.96	3.49	35.96%	64.04%
December-15	2.01	3.58	35.96%	64.04%

	Gas Vol (MMCF/M)		Allocation		Oil Vol (MBBL/M)		Water Vol (MMBL/M)	
Allocated Month	DK	PC	DK	PC	DK	PC	DK	PC
January-16	1.99	3.54	35.99%	64.01%				
February-16	1.85	3.29	35.99%	64.01%				
March-16	1.97	3.49	36.08%	63.92%				
April-16	1.90	3.36	36.12%	63.88%				
May-16	1.95	3.44	36.18%	63.82%				
June-16	1.87	3.31	36.10%	63.90%				
July-16	1.92	3.40	36.09%	63.91%				
August-16	1.91	3.37	36.17%	63.83%				
September-16	1.84	3.24	36.22%	63.78%				
October-16	1.89	3.33	36.21%	63.79%				
November-16	1.82	3.20	36.25%	63.75%				
December-16	1.87	3.28	36.31%	63.69%				
January-17	1.86	3.27	36.26%	63.74%				
February-17	1.67	2.93	36.30%	63.70%				
March-17	1.84	3.23	36.29%	63.71%				
April-17	1.77	3.10	36.34%	63.66%				
May-17	1.82	3.18	36.40%	63.60%				
June-17	1.75	3.06	36.38%	63.62%				
July-17	1.79	3.14	36.31%	63.69%				
August-17	1.78	3.12	36.33%	63.67%				
September-17	1.72	3.00	36.44%	63.56%				
October-17	1.76	3.08	36.36%	63.64%				
November-17	1.69	2.96	36.34%	63.66%				
December-17	1.74	3.04	36.40%	63.60%				
January-18	1.73	3.02	36.42%	63.58%				
February-18	1.55	2.71	36.38%	63.62%				
March-18	1.71	2.98	36.46%	63.54%				
April-18	1.64	2.87	36.36%	63.64%				
May-18	1.69	2.95	36.42%	63.58%				
June-18	1.62	2.83	36.40%	63.60%				
July-18	1.67	2.91	36.46%	63.54%				
August-18	1.66	2.89	36.48%	63.52%				
September-18	1.60	2.78	36.53%	63.47%				
October-18	1.64	2.86	36.44%	63.56%				
November-18	1.58	2.75	36.49%	63.51%				
December-18	1.62	2.82	36.49%	63.51%				
January-19	1.61	2.80	36.51%	63.49%				
February-19	1.44	2.52	36.36%	63.64%				
March-19	1.59	2.77	36.47%	63.53%				
April-19	1.53	2.67	36.43%	63.57%				
May-19	1.57	2.74	36.43%	63.57%				
June-19	1.51	2.63	36.47%	63.53%				
July-19	1.55	2.71	36.38%	63.62%				
August-19	1.54	2.69	36.41%	63.59%				
September-19	1.48	2.59	36.36%	63.64%				
October-19	1.52	2.66	36.36%	63.64%				
November-19	1.47	2.56	36.48%	63.52%				
December-19	1.51	2.62	36.56%	63.44%				
January-20	1.49	2.60	36.43%	63.57%				
February-20	1.39	2.42	36.48%	63.52%				
March-20	1.47	2.57	36.39%	63.61%				
April-20	1.42	2.47	36.50%	63.50%				
May-20	1.46	2.54	36.50%	63.50%				
June-20	1.40	2.44	36.46%	63.54%				
July-20	1.44	2.51	36.46%	63.54%				
August-20	1.43	2.49	36.48%	63.52%				
September-20	1.38	2.40	36.51%	63.49%				
October-20	1.41	2.46	36.43%	63.57%				
November-20	1.36	2.37	36.46%	63.54%				

PC = Pictured Cliffs

DK = Dakota

Allocated Month	Gas Vol (MMCF/M)		Allocation		Oil Vol (MMBL/M)		Water Vol (MMBL/M)	
	DK	PC	DK	PC	DK	PC	DK	PC
December-20	1.40	2.43	36.55%	63.45%				
January-21	1.39	2.43	36.39%	63.61%				
February-21	1.25	2.18	36.44%	63.56%				
March-21	1.38	2.40	36.51%	63.49%				
April-21	1.32	2.31	36.36%	63.64%				
May-21	1.36	2.37	36.46%	63.54%				
June-21	1.31	2.28	36.49%	63.51%				
July-21	1.34	2.34	36.41%	63.59%				
August-21	1.33	2.33	36.34%	63.66%				
September-21	1.28	2.24	36.36%	63.64%				
October-21	1.32	2.30	36.46%	63.54%				
November-21	1.27	2.21	36.49%	63.51%				
December-21	1.30	2.27	36.41%	63.59%				
January-22	1.29	2.26	36.34%	63.66%				
February-22	1.16	2.03	36.36%	63.64%				
March-22	1.28	2.23	36.47%	63.53%				
April-22	1.23	2.14	36.50%	63.50%				
May-22	1.26	2.20	36.42%	63.58%				
June-22	1.22	2.12	36.53%	63.47%				
July-22	1.25	2.18	36.44%	63.56%				
August-22	1.24	2.16	36.47%	63.53%				
September-22	1.19	2.08	36.39%	63.61%				
October-22	1.23	2.14	36.50%	63.50%				
November-22	1.18	2.06	36.42%	63.58%				
December-22	1.21	2.11	36.45%	63.55%				
January-23	1.20	2.10	36.36%	63.64%				
February-23	1.08	1.88	36.49%	63.51%				
March-23	1.19	2.07	36.50%	63.50%				
April-23	1.14	1.99	36.42%	63.58%				
May-23	1.18	2.05	36.53%	63.47%				
June-23	1.13	1.97	36.45%	63.55%				
July-23	1.16	2.02	36.48%	63.52%				
August-23	1.15	2.01	36.39%	63.61%				
September-23	1.11	1.93	36.51%	63.49%				
October-23	1.14	1.99	36.42%	63.58%				
November-23	1.10	1.91	36.54%	63.46%				
December-23	1.13	1.96	36.57%	63.43%				
January-24	1.12	1.95	36.48%	63.52%				
February-24	1.04	1.81	36.49%	63.51%				
March-24	1.10	1.92	36.42%	63.58%				
April-24	1.06	1.85	36.43%	63.57%				
May-24	1.09	1.90	36.45%	63.55%				
June-24	1.05	1.83	36.46%	63.54%				
July-24	1.08	1.88	36.49%	63.51%				
August-24	1.07	1.87	36.39%	63.61%				
September-24	1.03	1.79	36.52%	63.48%				
October-24	1.06	1.84	36.55%	63.45%				
November-24	1.02	1.77	36.56%	63.44%				
December-24	1.04	1.82	36.36%	63.64%				
January-25	1.04	1.81	36.49%	63.51%				
February-25	0.93	1.63	36.33%	63.67%				
March-25	1.03	1.79	36.52%	63.48%				
April-25	0.99	1.73	36.40%	63.60%				
May-25	1.02	1.77	36.56%	63.44%				
June-25	0.98	1.70	36.57%	63.43%				
July-25	1.00	1.75	36.36%	63.64%				
August-25	1.00	1.74	36.50%	63.50%				
September-25	0.96	1.67	36.50%	63.50%				
October-25	0.99	1.72	36.53%	63.47%				

PC = Pictured Cliffs  
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Allocated Month	Gas Vol (MMCF/M)		Allocation		Oil Vol (MBBL/M)		Water Vol (MMBL/M)	
	DK	PC	DK	PC	DK	PC	DK	PC
November-25	0.95	1.65	36.54%	63.46%				
December-25	0.97	1.70	36.33%	63.67%				
January-26	0.97	1.69	36.47%	63.53%				
February-26	0.87	1.52	36.40%	63.60%				
March-26	0.96	1.67	36.50%	63.50%				
April-26	0.92	1.60	36.51%	63.49%				
May-26	0.95	1.65	36.54%	63.46%				
June-26	0.91	1.59	36.40%	63.60%				
July-26	0.93	1.63	36.33%	63.67%				
August-26	0.93	1.62	36.47%	63.53%				
September-26	0.89	1.56	36.33%	63.67%				
October-26	0.92	1.60	36.51%	63.49%				
November-26	0.88	1.54	36.36%	63.64%				
December-26	0.91	1.58	36.55%	63.45%				
January-27	0.90	1.57	36.44%	63.56%				
February-27	0.81	1.41	36.49%	63.51%				
March-27	0.89	1.55	36.48%	63.52%				
April-27	0.86	1.49	36.60%	63.40%				
May-27	0.88	1.53	36.51%	63.49%				
June-27	0.85	1.47	36.64%	63.36%				
July-27	0.87	1.51	36.55%	63.45%				
August-27	0.86	1.50	36.44%	63.56%				
September-27	0.83	1.45	36.40%	63.60%				
October-27	0.85	1.49	36.32%	63.68%				
November-27	0.82	1.43	36.44%	63.56%				
December-27	0.84	1.47	36.36%	63.64%				
January-28	0.83	1.46	36.24%	63.76%				
February-28	0.78	1.35	36.62%	63.38%				
March-28	0.83	1.44	36.56%	63.44%				
April-28	0.79	1.38	36.41%	63.59%				
May-28	0.82	1.42	36.61%	63.39%				
June-28	0.78	1.37	36.28%	63.72%				
July-28	0.81	1.40	36.65%	63.35%				
August-28	0.80	1.40	36.36%	63.64%				
September-28	0.77	1.34	36.49%	63.51%				
October-28	0.79	1.38	36.41%	63.59%				
November-28	0.76	1.33	36.36%	63.64%				
December-28	0.78	1.36	36.45%	63.55%				
January-29	0.78	1.36	36.45%	63.55%				
February-29	0.70	1.22	36.46%	63.54%				
March-29	0.77	1.34	36.49%	63.51%				
April-29	0.74	1.29	36.45%	63.55%				
May-29	0.76	1.33	36.36%	63.64%				
June-29	0.73	1.27	36.50%	63.50%				
July-29	0.75	1.31	36.41%	63.59%				
August-29	0.75	1.30	36.59%	63.41%				
September-29	0.72	1.25	36.55%	63.45%				
October-29	0.74	1.29	36.45%	63.55%				
November-29	0.71	1.24	36.41%	63.59%				
December-29	0.73	1.27	36.50%	63.50%				
January-30	0.72	1.26	36.36%	63.64%				
February-30	0.65	1.13	36.52%	63.48%				
March-30	0.72	1.25	36.55%	63.45%				
April-30	0.69	1.20	36.51%	63.49%				
May-30	0.71	1.23	36.60%	63.40%				
June-30	0.68	1.19	36.36%	63.64%				
July-30	0.70	1.22	36.46%	63.54%				
August-30	0.69	1.21	36.32%	63.68%				
September-30	0.67	1.16	36.61%	63.39%				

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Allocated Month	Gas Vol (MMCF/M)		Allocation		Oil Vol (MBBL/M)		Water Vol (MMBL/M)	
	DK	PC	DK	PC	DK	PC	DK	PC
October-30	0.69	1.20	36.51%	63.49%				
November-30	0.66	1.15	36.46%	63.54%				
December-30	0.68	1.18	36.56%	63.44%				
January-31	0.67	1.17	36.41%	63.59%				
February-31	0.60	1.05	36.36%	63.64%				
March-31	0.67	1.16	36.61%	63.39%				
April-31	0.64	1.12	36.36%	63.64%				
May-31	0.66	1.15	36.46%	63.54%				
June-31	0.63	1.10	36.42%	63.58%				
July-31	0.65	1.13	36.52%	63.48%				
August-31	0.65	1.13	36.52%	63.48%				
September-31	0.62	1.08	36.47%	63.53%				
October-31	0.64	1.11	36.57%	63.43%				
November-31	0.61	1.07	36.31%	63.69%				
December-31	0.63	1.10	36.42%	63.58%				
January-32	0.62	1.09	36.26%	63.74%				
February-32	0.58	1.01	36.48%	63.52%				
March-32	0.62	1.08	36.47%	63.53%				
April-32	0.59	1.04	36.20%	63.80%				
May-32	0.61	1.06	36.53%	63.47%				
June-32	0.59	1.02	36.65%	63.35%				
July-32	0.60	1.05	36.36%	63.64%				
August-32	0.60	1.04	36.59%	63.41%				
September-32	0.58	1.00	36.71%	63.29%				
October-32	0.59	1.03	36.42%	63.58%				
November-32	0.57	0.99	36.54%	63.46%				
December-32	0.58	1.02	36.25%	63.75%				
January-33	0.58	1.02	36.25%	63.75%				
February-33	0.52	0.91	36.36%	63.64%				
March-33	0.58	1.00	36.71%	63.29%				
April-33	0.55	0.97	36.18%	63.82%				
May-33	0.57	0.99	36.54%	63.46%				
June-33	0.55	0.95	36.67%	63.33%				
July-33	0.56	0.98	36.36%	63.64%				
August-33	0.56	0.97	36.60%	63.40%				
September-33	0.54	0.94	36.49%	63.51%				
October-33	0.55	0.96	36.42%	63.58%				
November-33	0.53	0.93	36.30%	63.70%				
December-33	0.55	0.95	36.67%	63.33%				
January-34	0.54	0.94	36.49%	63.51%				
February-34	0.49	0.85	36.57%	63.43%				
March-34	0.54	0.93	36.73%	63.27%				
April-34	0.51	0.90	36.17%	63.83%				
May-34	0.53	0.92	36.55%	63.45%				
June-34	0.51	0.89	36.43%	63.57%				
July-34	0.52	0.91	36.36%	63.64%				
August-34	0.52	0.91	36.36%	63.64%				
September-34	0.50	0.87	36.50%	63.50%				
October-34	0.51	0.89	36.43%	63.57%				
November-34	0.49	0.86	36.30%	63.70%				
December-34	0.51	0.88	36.69%	63.31%				
January-35	0.50	0.88	36.23%	63.77%				
February-35	0.45	0.79	36.29%	63.71%				
March-35	0.50	0.87	36.50%	63.50%				
April-35	0.48	0.83	36.64%	63.36%				
May-35	0.49	0.86	36.30%	63.70%				
June-35	0.47	0.82	36.43%	63.57%				
July-35	0.49	0.85	36.57%	63.43%				
August-35	0.48	0.84	36.36%	63.64%				

PC = Pictured Cliffs  
DK = Dakota

Allocated Month	Gas Vol (MMCF/M)		Allocation		Oil Vol (MMBL/M)		Water Vol (MMBL/M)	
	DK	PC	DK	PC	DK	PC	DK	PC
September-35	0.46	0.81	36.22%	63.78%				
October-35	0.48	0.83	36.64%	63.36%				
November-35	0.46	0.80	36.51%	63.49%				
December-35	0.47	0.82	36.43%	63.57%				
January-36	0.47	0.81	36.72%	63.28%				
February-36	0.43	0.76	36.13%	63.87%				
March-36	0.46	0.80	36.51%	63.49%				
April-36	0.44	0.77	36.36%	63.64%				
May-36	0.46	0.80	36.51%	63.49%				
June-36	0.44	0.76	36.67%	63.33%				
July-36	0.45	0.79	36.29%	63.71%				
August-36	0.45	0.78	36.59%	63.41%				
September-36	0.43	0.75	36.44%	63.56%				
October-36	0.44	0.77	36.36%	63.64%				
November-36	0.43	0.74	36.75%	63.25%				
December-36	0.44	0.76	36.67%	63.33%				
January-37	0.44	0.76	36.67%	63.33%				
February-37	0.39	0.68	36.45%	63.55%				
March-37	0.43	0.75	36.44%	63.56%				
April-37	0.41	0.72	36.28%	63.72%				
May-37	0.43	0.74	36.75%	63.25%				
June-37	0.41	0.71	36.61%	63.39%				
July-37	0.42	0.73	36.52%	63.48%				
August-37	0.42	0.73	36.52%	63.48%				
September-37	0.40	0.70	36.36%	63.64%				
October-37	0.41	0.72	36.28%	63.72%				
November-37	0.40	0.69	36.70%	63.30%				
December-37	0.41	0.71	36.61%	63.39%				
January-38	0.41	0.71	36.61%	63.39%				
February-38	0.36	0.63	36.36%	63.64%				
March-38	0.40	0.70	36.36%	63.64%				
April-38	0.39	0.67	36.79%	63.21%				
May-38	0.40	0.69	36.70%	63.30%				
June-38	0.38	0.66	36.54%	63.46%				
July-38	0.39	0.68	36.45%	63.55%				
August-38	0.39	0.68	36.45%	63.55%				
September-38	0.37	0.65	36.27%	63.73%				
October-38	0.38	0.67	36.19%	63.81%				
November-38	0.37	0.64	36.63%	63.37%				
December-38	0.38	0.66	36.54%	63.46%				
January-39	0.38	0.66	36.54%	63.46%				
February-39	0.34	0.59	36.56%	63.44%				
March-39	0.37	0.65	36.27%	63.73%				
April-39	0.36	0.62	36.73%	63.27%				
May-39	0.37	0.64	36.63%	63.37%				
June-39	0.35	0.62	36.08%	63.92%				
July-39	0.36	0.63	36.36%	63.64%				
August-39	0.36	0.63	36.36%	63.64%				
September-39	0.35	0.61	36.46%	63.54%				
October-39	0.36	0.62	36.73%	63.27%				
November-39	0.34	0.60	36.17%	63.83%				
December-39	0.35	0.61	36.46%	63.54%				
January-40	0.35	0.61	36.46%	63.54%				
February-40	0.33	0.57	36.67%	63.33%				
March-40	0.35	0.60	36.84%	63.16%				
April-40	0.33	0.58	36.26%	63.74%				
May-40	0.34	0.59	36.56%	63.44%				
June-40	0.33	0.57	36.67%	63.33%				
July-40	0.34	0.59	36.56%	63.44%				

PC = Pictured Cliffs  
DK = Dakota

Allocated Month	Gas Vol (MMCF/M)		Allocation		Oil Vol (MBBL/M)		Water Vol (MMBL/M)	
	DK	PC	DK	PC	DK	PC	DK	PC
August-40	0.34	0.58	36.96%	63.04%				
September-40	0.32	0.56	36.36%	63.64%				
October-40	0.33	0.58	36.26%	63.74%				
November-40	0.32	0.56	36.36%	63.64%				
December-40	0.33	0.57	36.67%	63.33%				
January-41	0.33	0.57	36.67%	63.33%				
February-41	0.29	0.51	36.25%	63.75%				
March-41	0.32	0.56	36.36%	63.64%				
April-41	0.31	0.54	36.47%	63.53%				
May-41	0.32	0.55	36.78%	63.22%				
June-41	0.31	0.53	36.90%	63.10%				
July-41	0.31	0.55	36.05%	63.95%				
August-41	0.31	0.54	36.47%	63.53%				
September-41	0.21	0.52	28.77%	71.23%				
October-41		0.54	0.00%	100.00%				
November-41		0.52	0.00%	100.00%				
December-41		0.53	0.00%	100.00%				
January-42		0.53	0.00%	100.00%				
February-42		0.47	0.00%	100.00%				
March-42		0.52	0.00%	100.00%				
April-42		0.50	0.00%	100.00%				
May-42		0.52	0.00%	100.00%				
June-42		0.50	0.00%	100.00%				
July-42		0.51	0.00%	100.00%				
August-42		0.51	0.00%	100.00%				
September-42		0.49	0.00%	100.00%				
October-42		0.50	0.00%	100.00%				
November-42		0.48	0.00%	100.00%				
December-42		0.49	0.00%	100.00%				
January-43		0.49	0.00%	100.00%				
February-43		0.44	0.00%	100.00%				
March-43		0.49	0.00%	100.00%				
April-43		0.47	0.00%	100.00%				
May-43		0.48	0.00%	100.00%				
June-43		0.46	0.00%	100.00%				
July-43		0.47	0.00%	100.00%				
August-43		0.47	0.00%	100.00%				
September-43		0.45	0.00%	100.00%				
October-43		0.47	0.00%	100.00%				
November-43		0.45	0.00%	100.00%				
December-43		0.46	0.00%	100.00%				
January-44		0.46	0.00%	100.00%				
February-44		0.42	0.00%	100.00%				
March-44		0.45	0.00%	100.00%				
April-44		0.43	0.00%	100.00%				
May-44		0.45	0.00%	100.00%				
June-44		0.43	0.00%	100.00%				
July-44		0.44	0.00%	100.00%				
August-44		0.44	0.00%	100.00%				
September-44		0.42	0.00%	100.00%				
October-44		0.43	0.00%	100.00%				
November-44		0.42	0.00%	100.00%				
December-44		0.43	0.00%	100.00%				
January-45		0.43	0.00%	100.00%				
February-45		0.38	0.00%	100.00%				
March-45		0.42	0.00%	100.00%				
April-45		0.40	0.00%	100.00%				
May-45		0.42	0.00%	100.00%				
June-45		0.40	0.00%	100.00%				

PC = Pictured Cliffs  
DK = Dakota

Allocated Month	Gas Vol (MMCF/M)		Allocation		Oil Vol (MBBL/M)		Water Vol (MMBL/M)	
	DK	PC	DK	PC	DK	PC	DK	PC
July-45		0.41	0.00%	100.00%				
August-45		0.41	0.00%	100.00%				
September-45		0.39	0.00%	100.00%				
October-45		0.40	0.00%	100.00%				
November-45		0.39	0.00%	100.00%				
December-45		0.40	0.00%	100.00%				
January-46		0.40	0.00%	100.00%				
February-46		0.35	0.00%	100.00%				
March-46		0.39	0.00%	100.00%				
April-46		0.38	0.00%	100.00%				
May-46		0.39	0.00%	100.00%				
June-46		0.37	0.00%	100.00%				
July-46		0.38	0.00%	100.00%				
August-46		0.38	0.00%	100.00%				
September-46		0.36	0.00%	100.00%				
October-46		0.37	0.00%	100.00%				
November-46		0.36	0.00%	100.00%				
December-46		0.37	0.00%	100.00%				
January-47		0.37	0.00%	100.00%				
February-47		0.33	0.00%	100.00%				
March-47		0.36	0.00%	100.00%				
April-47		0.35	0.00%	100.00%				
May-47		0.36	0.00%	100.00%				
June-47		0.35	0.00%	100.00%				
July-47		0.35	0.00%	100.00%				
August-47		0.35	0.00%	100.00%				
September-47		0.34	0.00%	100.00%				
October-47		0.35	0.00%	100.00%				
November-47		0.33	0.00%	100.00%				
December-47		0.34	0.00%	100.00%				
January-48		0.34	0.00%	100.00%				
February-48		0.32	0.00%	100.00%				
March-48		0.34	0.00%	100.00%				
April-48		0.32	0.00%	100.00%				
May-48		0.33	0.00%	100.00%				
June-48		0.32	0.00%	100.00%				
July-48		0.33	0.00%	100.00%				
August-48		0.33	0.00%	100.00%				
September-48		0.31	0.00%	100.00%				
October-48		0.32	0.00%	100.00%				
November-48		0.31	0.00%	100.00%				
December-48		0.32	0.00%	100.00%				
January-49		0.32	0.00%	100.00%				
February-49		0.29	0.00%	100.00%				
March-49		0.31	0.00%	100.00%				
April-49		0.30	0.00%	100.00%				
May-49		0.20	0.00%	100.00%				

PC = Pictured Cliffs  
DK = Dakota

**NORTHEAST BLANCO UNIT  
DAKOTA PARTICIPATING AREA WORKING INTEREST OWNERS**

**BP America Production Company**

**ATTN: Debra Bacon**

**P. O. Box 3092**

**Houston, TX 77253-3092**

91 7199 9991 7035 6362 5184

**ConocoPhillips / Burlington Resources Oil & Gas Co.**

**P. O. Box 4289**

**Farmington, NM 87499-4289**

91 7199 9991 7035 6414 6367

**Burlington Resources Oil & Gas Co.**

**P. O. Box 4289**

**Farmington, NM 87499-4289**

91 7199 9991 7035 6414 6350

**Frank C. Davis III**

**3219 Bryn Mawr**

**Dallas, TX 75225**

91 7199 9991 7035 6414 6374

**Fortune Natural Resources Corporation**

**Two Galeria Tower**

**13455 Noel Road, Suite 2000**

**Dallas, TX 75240**

91 7199 9991 7035 6414 6381

**Charles W. Gay**

**c/o James M. Raymond, AIF**

**P. O. Box 291445**

**Kerrville, TX 78029-1445**

91 7199 9991 7035 6414 6398

**Lorrayn Gay Hacker**

**c/o James M. Raymond, AIF**

**P. O. Box 291445-1445**

**Kerrville, TX 78029**

91 7199 9991 7035 6414 6404

**T. H. McElvain Oil & Gas LLLP**

**1050 17<sup>th</sup> Street, Suite 1800**

**Denver, CO 80265**

91 7199 9991 7035 6414 6411

**J & M Raymond, Ltd.**

**P. O. Box 291445**

**Kerrville, TX 78029-1445**

91 7199 9991 7035 6414 6428

**TAMACAM, LLC**

**c/o James M. Raymond, Trustee**

**P. O. Box 291445**

**Kerrville, TX 78029-1445**

91 7199 9991 7035 6414 6435

**Warwick-Ares, LLC**

**608 N. Western Avenue, Box 417**

**Oklahoma City, OK 73116**

91 7199 9991 7035 6414 6442

**NORTHEAST BLANCO UNIT  
PICTURED CLIFFS PA  
WORKING INTEREST OWNERS**

BP America Production Company  
ATTN: Debra Bacon  
P. O. Box 3092  
Houston, TX 77253-3092

91 7199 9991 7035 6362 5184

ConocoPhillips / Burlington Resources Oil & Gas Co.  
P. O. Box 4289  
Farmington, NM 87499-4289

91 7199 9991 7035 6414 6367

Burlington Resources Oil & Gas Co.  
P. O. Box 4289  
Farmington, NM 87499-4289

91 7199 9991 7035 6414 6350

Four Star Oil & Gas Company  
ATTN: NOJV GROUP  
P. O. Box 2100  
Houston, TX 77252

91 7199 9991 7035 6414 6459

Amelia C. Kelly  
4585 Jordan Spur road  
Bozeman, MT 59715

91 7199 9991 7035 6414 6466

Andrew B. Kelly, Jr.  
650 Glendalough Ct.  
Alpharetta, GA 30004

91 7199 9991 7035 6414 6473

Estate of Susanna Phillips Kelly  
Andrew B. Kelly, Executor  
c/o Andrew B. Kelly, Jr.  
650 Glendalough Ct.  
Alpharetta, GA 30004

91 7199 9991 7035 6414 6480

Susanna P. Kelly, II  
8383 Chapman Road  
Bozeman, MT 59715

91 7199 9991 7035 6414 6497

Jane P. Ladouceur  
c/o Habenicht, Novak, & Birckbichler  
287 Pittsburgh Road, Suite 1  
Butler, PA 16002-3993

91 7199 9991 7035 6414 6503

McAfee Oil and Gas LLC  
P. O. Box 1087  
Norman, OK 73070-1087

91 7199 9991 7035 6403 7511

**NORTHEAST BLANCO UNIT  
PICTURED CLIFFS PA  
WORKING INTEREST OWNERS**

Omimex Petroleum, Inc.  
ATTN: Clark P. Storms  
7950 John T. White Road  
Fort Worth, TX 76120

91 7199 9991 7035 6403 7528

WPX Energy Production, LLC  
ATTN: Chuck Bassett  
P.O. Box 3102 MS 25-1  
Tulsa, OK 74101

91 7199 9991 7035 6403 7535

XTO Energy Inc.  
810 Houston Street  
Fort Worth, TX 76102

91 7199 9991 7035 6403 7542

## **McMillan, Michael, EMNRD**

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**From:** Bunas, Gaylan <Gaylan.Bunas@dvn.com>  
**Sent:** Tuesday, February 24, 2015 1:11 PM  
**To:** McMillan, Michael, EMNRD  
**Cc:** Bunas, Gaylan  
**Subject:** RE: NEBU 68M DHC application

Mr. McMillan:

This application is to correct the allocation between the Dakota and the Pictured Cliffs (Order Number DHC-4724-0, dated 12/1/2014). The original DHC application inadvertently reversed the allocation percentages between the two zones. The correct allocation is Dakota = 36% and Pictured Cliffs = 64%.

Thanks,

Gaylan G. Bunas  
Devon Energy Production Company, L.P.  
333 West Sheridan Avenue  
Oklahoma City, OK 73102-5015  
405.552.4594 Direct  
405.535.9740 Mobile

---

**From:** McMillan, Michael, EMNRD [<mailto:Michael.McMillan@state.nm.us>]  
**Sent:** Tuesday, February 24, 2015 11:21 AM  
**To:** Bunas, Gaylan  
**Subject:** NEBU 68M DHC application

Mr. Bunas:

the percentages are essentially 64/36 for the Dakota/Pictured Cliffs production allocation.

When I look at the allocation it is nearly constant for the next 5 years. The percentages should be what is in the C-107B. Therefore, this is an amendment to put the correct percentages, is this correct?

## **Michael A. McMillan**

Engineering and Geological Services Bureau, Oil Conservation Division  
1220 South St. Francis Dr., Santa Fe NM 87505  
O: 505.476.3448 F. 505.476.3462

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State of New Mexico  
Energy, Minerals and Natural Resources Department

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**Susana Martinez**  
Governor

**David Martin**  
Cabinet Secretary

**Brett F. Woods, Ph.D.**  
Deputy Cabinet Secretary

**JamI Bailey, Division Director**  
Oil Conservation Division



Administrative Order DHC-4724

Order Date: December 1, 2014

Application Reference Number: pMAM1430452353

DEVON ENERGY PRODUCTION, L.P.  
333 W. Sheridan  
Oklahoma City, OK 73102

Attention: Ms. Jenni Sudduth

Northeast Blanco Unit Well No. 68M  
API No. 30-045-33474  
Unit A, Section 35, Township 31 North, Range 7 West, NMPM  
San Juan County, New Mexico

Pool	LOS PINOS;FRT SND PC,SOUTH (G)	Gas	(80690)
Names:	BASIN DAKOTA (PRORATED GAS)	Gas	(71599)

Reference is made to your recent application for an exception to Division Rule 19.15.12.9A. NMAC of the Division Rules and Regulations to permit the above-described well to commingle production from the subject pools in the wellbore.

It appears that the subject well qualifies for approval for such exception pursuant to the provisions of Division Rule 19.15.12.11A. NMAC, and since reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion or otherwise required separation of the zones is hereby placed in abeyance.

In accordance with Division Rule 19.15.12.11A. (6) NMAC, the production attributed to any commingled pool within the well shall not exceed the allowable applicable to that pool.

As per the application, the assignment of allowable and allocation of production from the subject well shall be based on the analysis of the historical production and forecast production from the Los Pinos; Frt Sand PC, South, and Basin Dakota formations.

Assignment of allowable and allocation of production from the well shall be as follows:

LOS PINOS;FRT SND PC,SOUTH (G)	Pct. Gas: 36	Pct. Oil: 0
BASIN DAKOTA (PRORATED GAS)	Pct. Gas: 64	Pct. Oil: 0

It is also understood that you have given due notice of this application, as defined in Division Rule 19.15.4.12A. (6) NMAC, to all owners of interest when ownership is not common for the commingled zones within the spacing unit.

REMARKS: The operator shall notify the Aztec District office prior to implementation of the commingling operations.

Pursuant to Division Rule 19.15.12.11B. NMAC, the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.



for JAMI BAILEY  
Director

JB/mam

cc: New Mexico Oil Conservation Division – Aztec  
Bureau of Land Management - Farmington