

DATE 5/27/08	SUSPENSE	ENGINEER W Jones	LOGGED IN 5/28/08	TYPE DHC 4030	APP NO. PKVR0814936620
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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

[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.

CHRISTIAN COMBS  
 Print or Type Name

[Signature]  
 Signature

Reg. Mgr.  
 Title

5-22-08  
 Date

christian.combs@chk.com  
 e-mail Address

RECEIVED  
2008 MAY 27 PM 4 06

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

District II  
1301 W. Grand Avenue, Artesia, NM 88210

District III  
1000 Rio Brazos 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

Form C-107A  
Revised June 10, 2003

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

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

APPLICATION FOR DOWNHOLE COMMINGLING

CHC-4030

Chesapeake Operating, Inc. P.O. Box 18496 Oklahoma City, OK 73154-0496  
Operator Address  
Dinwiddie 23 Federal 1 Unit H Sec. 23 T-25-S R-35-E Lea  
Lease Well No. Unit Letter-Section-Township-Range County  
OGRID No. 147179 Property Code API No. 30-025-38242 Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Kammerer Tanks; Wolfcamp	Go	Wildcat; Strawn Gas
Pool Code	97634		N/A
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	12,850'-13,097'		13,593'-13,700'
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)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	NA		63 deg.
Producing, Shut-In or New Zone	Producing		New Zone
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: 05/01/2008 Rates: 22 MCF, 0 BO	Date: Rates:	Date: 06/29/2007 Rates: 99MCF, 2 BO
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 0 % 18 %	Oil Gas % %	Oil Gas 18 % 82 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐  
Are all produced fluids from all commingled 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: \_\_\_\_\_

Attachments:

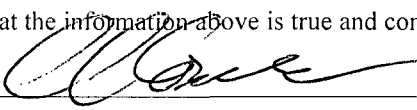
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation 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  TITLE Reg. Manager-S. Division DATE 05/21/2008

TYPE OR PRINT NAME Christian Combs TELEPHONE NO. ( ) (405)767-4703

E-MAIL ADDRESS christian.combs@chk.com



Chesapeake Energy Corporation

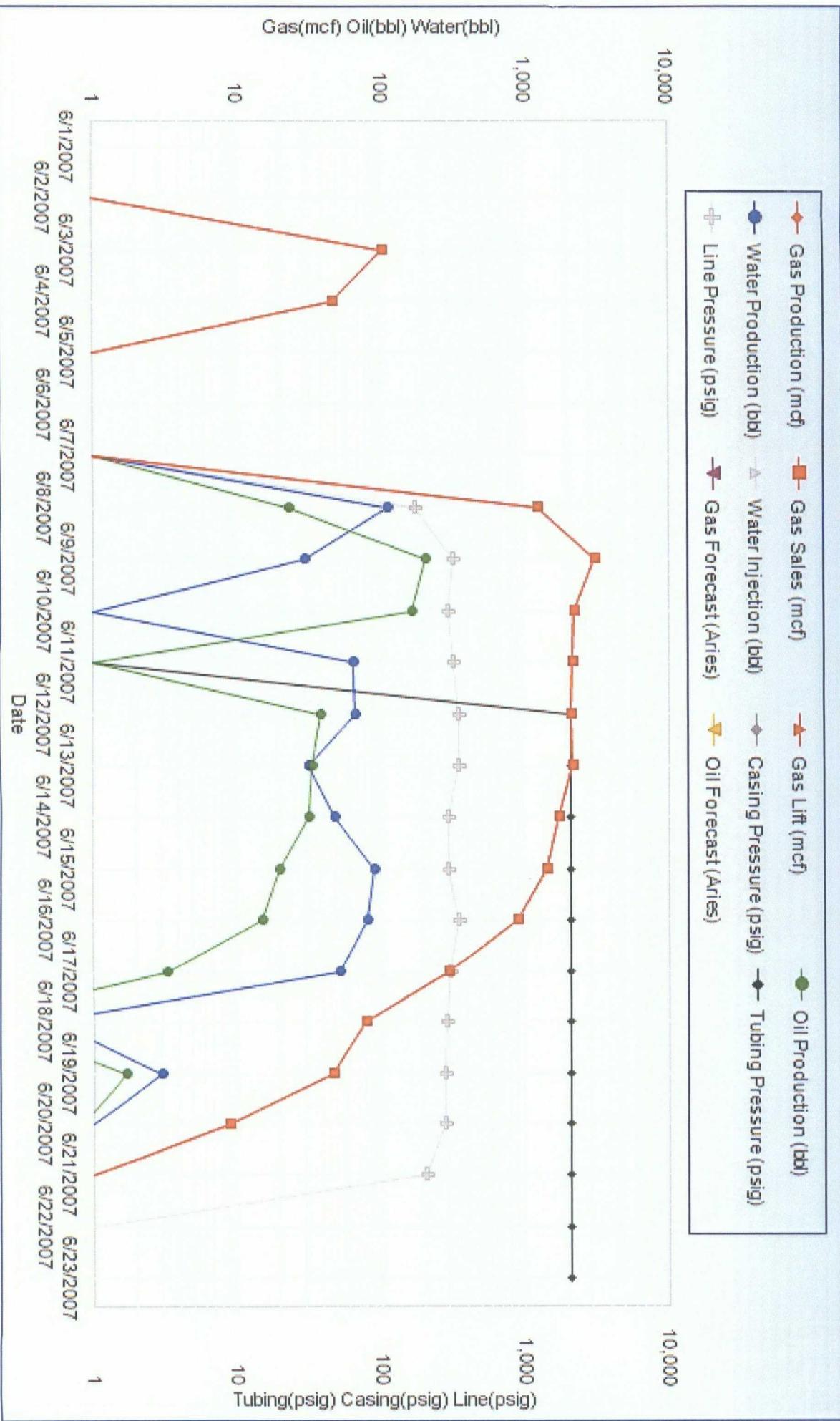
CST Daily Production Report

Well: DINWIDDIE 23 FEDERAL 1

1/1/1900 - 6/23/2007

Well : DINWIDDIE 23 FEDERAL 1  
in Route : HOB-NM-Route 31 - Troy Smith  
Asset Manager : Kim Henderson

Cumulative Gas (MCF) : 17,833  
Cumulative Oil (BBL) : 542  
Cumulative Water (BBL) : 583





# Chesapeake Energy Corporation

CST Daily Production Report

Well: DINWIDDIE 23 FEDERAL 1

1/1/1900 - 6/23/2007

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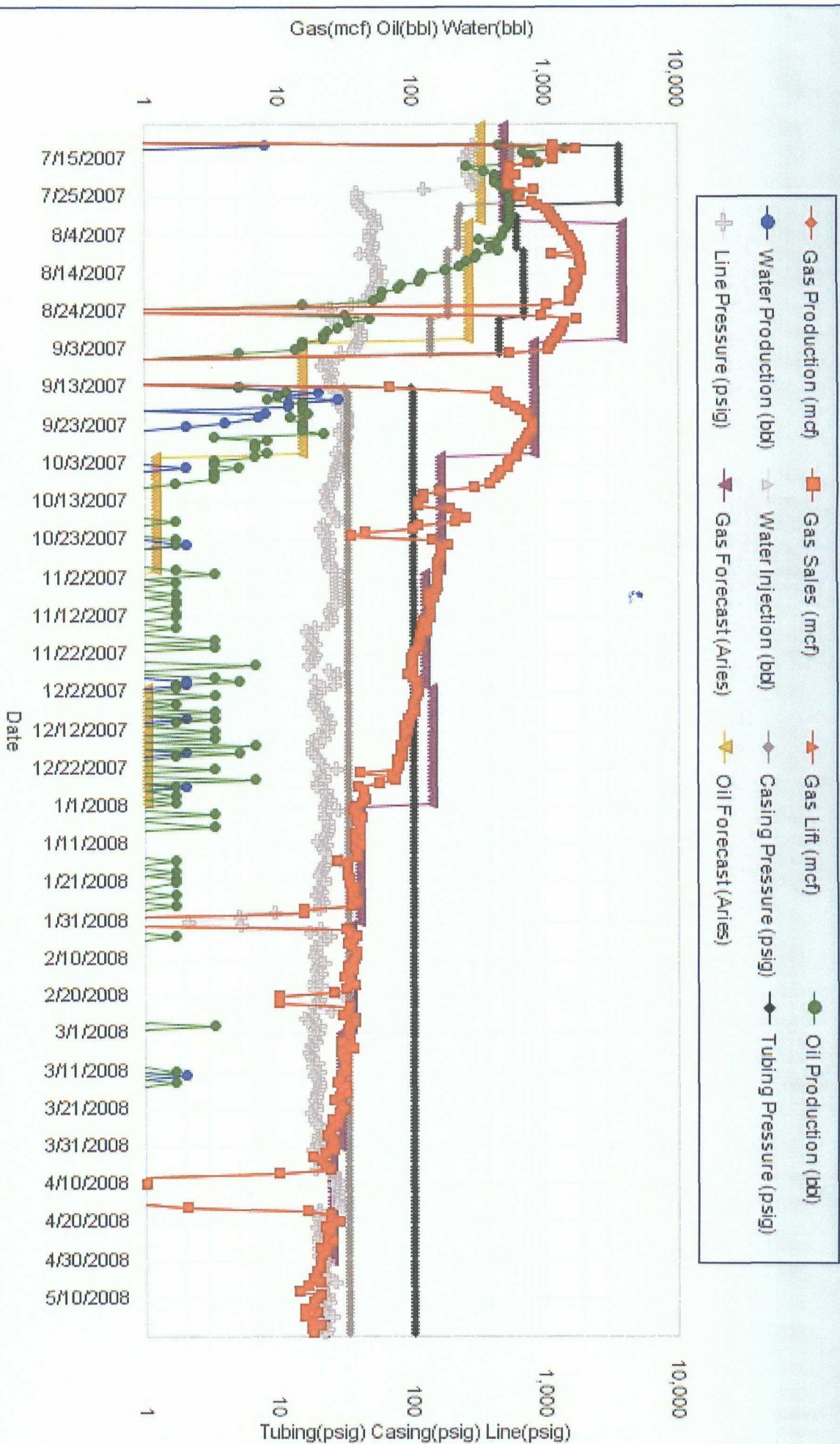
Date	Gas (mcf)	Gas Sales (mcf)	Gas Lift (mcf)	Gas Forecast (Aries)	Oil (bbl)	Oil Forecast (Aries)	Water (bbl)	Water Injection (bbl)	Casing (psig)	Tubing (psig)	Line (psig)	Downtime (hrs)	Downtime Reason	Comments	Choke Code
06/23/2007	0	0	0	0	0	0	0	0	0	2,100	0	0			14
06/22/2007	0	0	0	0	0	0	0	0	0	2,100	0	0			14
06/21/2007	0	0	0	0	0	0	0	0	0	2,100	209	0			14
06/20/2007	9	9	0	0	1	0	0	0	0	2,100	285	0			14
06/19/2007	47	47	0	0	2	0	3	0	0	2,100	285	0			14
06/18/2007	78	78	0	0	0	0	0	0	0	2,100	293	0			14
06/17/2007	295	295	0	0	3	0	52	0	0	2,100	310	0			14
06/16/2007	895	895	0	0	15	0	82	0	0	2,100	352	0			14
06/15/2007	1,435	1,435	0	0	20	0	90	0	0	2,100	296	0			14
06/14/2007	1,737	1,737	0	0	32	0	48	0	0	2,100	296	0			14
06/13/2007	2,198	2,198	0	0	33	0	32	0	0	2,100	351	0			14
06/12/2007	2,139	2,139	0	0	38	0	68	0	0	2,100	355	0			14
06/11/2007	2,203	2,203	0	0	0	0	66	0	0	0	328	0			0
06/10/2007	2,239	2,239	0	0	165	0	0	0	0	0	299	0			0
06/09/2007	3,140	3,140	0	0	209	0	30	0	0	0	324	0			0
06/08/2007	1,267	1,267	0	0	23	0	112	0	0	0	178	0			0
06/07/2007	0	0	0	0	0	0	0	0	0	0	0	0			0
06/06/2007	0	0	0	0	0	0	0	0	0	0	0	0			0
06/05/2007	0	0	0	0	0	0	0	0	0	0	0	0			0
06/04/2007	47	47	0	0	0	0	0	0	0	0	0	0			0
06/03/2007	104	104	0	0	0	0	0	0	0	0	0	0			0
06/02/2007	0	0	0	0	0	0	0	0	0	0	0	0			0
06/01/2007	0	0	0	0	0	0	0	0	0	0	0	0			0
Totals	17,833	17,833	0	0	542	0	583	0				0			





Well : DINWIDDIE 23 FEDERAL 1  
in Route : HOB-NM-Route 31 - Troy Smith  
Asset Manager : Kim Henderson

Cumulative Gas (MCF) : 96,078  
Cumulative Oil (BBL) : 18,671  
Cumulative Water (BBL) : 132





# Chesapeake Energy Corporation

CST Daily Production Report

Well: DINWIDDIE 23 FEDERAL 1

7/6/2007 - 5/19/2008

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Date	Gas (mcf)	Gas Sales (mcf)	Gas Lift (mcf)	Gas Forecast (Aries)	Oil (bbl)	Oil Forecast (Aries)	Water (bbl)	Water Injection (bbl)	Casing (psig)	Tubing (psig)	Line (psig)	Downtime (hrs)	Downtime Reason	Comments	Choke Code
05/19/2008	18	18	0	21	0	0	0	0	34	105	22	0			0
05/18/2008	17	17	0	21	0	0	0	0	34	105	22	0			0
05/17/2008	20	20	0	21	0	0	0	0	34	105	21	0			0
05/16/2008	17	17	0	21	0	0	0	0	34	105	19	0			0
05/15/2008	15	15	0	21	0	0	0	0	34	105	25	0			0
05/14/2008	19	19	0	21	0	0	0	0	34	105	23	0			0
05/13/2008	15	15	0	21	0	0	0	0	34	105	20	0			0
05/12/2008	18	18	0	21	0	0	0	0	34	105	20	0			0
05/11/2008	18	18	0	21	0	0	0	0	34	105	24	0			0
05/10/2008	19	19	0	21	0	0	0	0	34	105	23	0			0
05/09/2008	20	20	0	21	0	0	0	0	34	105	23	0			0
05/08/2008	14	14	0	21	0	0	0	0	34	105	20	0			0
05/07/2008	16	16	0	21	0	0	0	0	34	105	21	0			0
05/06/2008	20	20	0	21	0	0	0	0	34	105	26	0			0
05/05/2008	18	18	0	21	0	0	0	0	34	105	23	0			0
05/04/2008	19	19	0	21	0	0	0	0	34	105	23	0			0
05/03/2008	19	19	0	21	0	0	0	0	34	105	21	0			0
05/02/2008	20	20	0	21	0	0	0	0	34	105	21	0			0
05/01/2008	20	20	0	21	0	0	0	0	34	105	21	0			0
04/30/2008	20	20	0	24	0	0	0	0	34	105	23	0			0
04/29/2008	21	21	0	24	0	0	0	0	34	105	20	0			0
04/28/2008	22	22	0	24	0	0	0	0	34	105	21	0			0
04/27/2008	20	20	0	24	0	0	0	0	34	105	20	0			0
04/26/2008	23	23	0	24	0	0	0	0	34	105	21	0			0
04/25/2008	25	25	0	24	0	0	0	0	34	105	19	0			0
04/24/2008	23	23	0	24	0	0	0	0	34	105	20	0			0
04/23/2008	23	23	0	24	0	0	0	0	34	105	20	0			0
04/22/2008	24	24	0	24	0	0	0	0	34	105	21	0			0
04/21/2008	22	22	0	24	0	0	0	0	34	105	19	0			0
04/20/2008	28	28	0	24	0	0	0	0	34	105	22	0			0
04/19/2008	24	24	0	24	0	0	0	0	34	105	20	0		well to be worked over	0
04/18/2008	24	24	0	24	0	0	0	0	34	105	20	0		well to be worked over	0





# Chesapeake Energy Corporation

CST Daily Production Report

Well: DINWIDDIE 23 FEDERAL 1

7/6/2007 - 5/19/2008

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04/17/2008	16	16	0	24	0	0	0	0	34	105	20	0	well to be worked over	0
04/16/2008	2	2	0	24	0	0	0	0	34	105	30	0	well to be worked over	0
04/15/2008	0	0	0	24	0	0	0	0	34	105	27	0	well to be worked over	0
04/14/2008	0	0	0	24	0	0	0	0	34	105	27	0	well to be worked over	0
04/13/2008	0	0	0	24	0	0	0	0	34	105	27	0	well to be worked over	0
04/12/2008	0	0	0	24	0	0	0	0	34	105	27	0	well to be worked over	0
04/11/2008	0	0	0	24	0	0	0	0	34	105	28	0	well to be worked over	0
04/10/2008	1	1	0	24	0	0	0	0	34	105	26	0	well to be worked over	0
04/09/2008	0	0	0	24	0	0	0	0	34	105	28	0	well to be worked over	0
04/08/2008	0	0	0	24	0	0	0	0	34	105	26	0	well to be worked over	0
04/07/2008	10	10	0	24	0	0	0	0	34	105	26	0	well to be worked over	0
04/06/2008	24	24	0	24	0	0	0	0	34	105	19	0	ok	0
04/05/2008	22	22	0	24	0	0	0	0	34	105	20	0	ok	0
04/04/2008	21	21	0	24	0	0	0	0	34	105	21	0	ok	0
04/03/2008	18	18	0	24	0	0	0	0	34	105	20	0	ok	0
04/02/2008	22	22	0	24	0	0	0	0	34	105	22	0	ok	0
04/01/2008	26	26	0	24	0	0	0	0	34	105	18	0	ok	0
03/31/2008	24	24	0	29	0	0	0	0	34	105	19	0	ok	0
03/30/2008	26	26	0	29	0	0	0	0	34	105	20	0	ok	0
03/29/2008	25	25	0	29	0	0	0	0	34	105	19	0	ok	0
03/28/2008	23	23	0	29	0	0	0	0	34	105	19	0	ok	0
03/27/2008	24	24	0	29	0	0	0	0	34	105	22	0	ok	0
03/26/2008	26	26	0	29	0	0	0	0	34	105	20	0	ok	0
03/25/2008	27	27	0	29	0	0	0	0	34	105	19	0	ok	0
03/24/2008	25	25	0	29	0	0	0	0	34	105	18	0	ok	0
03/23/2008	28	28	0	29	0	0	0	0	34	105	18	0		0
03/22/2008	28	28	0	29	0	0	0	0	34	105	17	0		0



Chesapeake Energy Corporation

CST Daily Production Report

Well: DINWIDDIE 23 FEDERAL 1

7/6/2007 - 5/19/2008

03/21/2008	31	31	0	29	0	0	0	0	0	34	105	19	0	0
03/20/2008	29	29	0	29	0	0	0	0	0	34	105	19	0	0
03/19/2008	26	26	0	29	0	0	0	0	0	34	105	19	0	0
03/18/2008	28	28	0	29	0	0	0	0	0	34	105	19	0	0
03/17/2008	32	32	0	29	0	0	0	0	0	34	105	19	0	0
03/16/2008	29	29	0	29	0	0	0	0	0	34	105	20	0	0
03/15/2008	32	32	0	29	0	0	0	0	0	34	105	20	0	0
03/14/2008	27	27	0	29	0	2	0	0	0	34	105	20	0	0
03/13/2008	29	29	0	29	0	0	0	0	0	34	105	20	0	0
03/12/2008	29	29	0	29	0	0	2	0	0	34	105	18	0	0
03/11/2008	32	32	0	29	0	2	0	0	0	34	105	20	0	0
03/10/2008	31	31	0	29	0	0	0	0	0	34	105	18	0	0
03/09/2008	31	31	0	29	0	0	0	0	0	34	105	19	0	0
03/08/2008	32	32	0	29	0	0	0	0	0	34	105	18	0	0
03/07/2008	30	30	0	29	0	0	0	0	0	34	105	17	0	0
03/06/2008	29	29	0	29	0	0	0	0	0	34	105	17	0	0
03/05/2008	36	36	0	29	0	0	0	0	0	34	105	18	0	0
03/04/2008	34	34	0	29	0	0	0	0	0	34	105	17	0	0
03/03/2008	29	29	0	29	0	0	0	0	0	34	105	19	0	0
03/02/2008	34	34	0	29	0	0	0	0	0	34	105	18	0	0
03/01/2008	34	34	0	29	0	0	0	0	0	34	105	19	0	0
02/29/2008	33	33	0	35	0	0	0	0	0	34	105	18	0	0
02/28/2008	34	34	0	35	0	3	0	0	0	34	105	20	0	0
02/27/2008	37	37	0	35	0	0	0	0	0	34	105	17	0	0
02/26/2008	37	37	0	35	0	0	0	0	0	34	105	16	0	0
02/25/2008	30	30	0	35	0	0	0	0	0	34	105	18	0	0
02/24/2008	33	33	0	35	0	0	0	0	0	34	105	25	0	0
02/23/2008	34	34	0	35	0	0	0	0	0	34	105	18	0	0
02/22/2008	10	10	0	35	0	0	0	0	0	34	105	19	0	0
02/21/2008	10	10	0	35	0	0	0	0	0	34	105	20	0	0
02/20/2008	10	10	0	35	0	0	0	0	0	34	105	31	0	0
02/19/2008	26	26	0	35	0	0	0	0	0	34	105	32	0	0
02/18/2008	32	32	0	35	0	0	0	0	0	34	105	19	0	0
02/17/2008	37	37	0	35	0	0	0	0	0	34	105	21	0	0
02/16/2008	34	34	0	35	0	0	0	0	0	34	105	19	0	0
02/15/2008	31	31	0	35	0	0	0	0	0	34	105	19	0	0





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Well: DINWIDDIE 23 FEDERAL 1

7/6/2007 - 5/19/2008

02/14/2008	34	34	0		35	0	0	0	0	0	0	34	105	21	0		0
02/13/2008	36	36	0		35	0	0	0	0	0	0	34	105	19	0		0
02/12/2008	33	33	0		35	0	0	0	0	0	0	34	105	19	0		0
02/11/2008	36	36	0		35	0	0	0	0	0	0	34	105	22	0		0
02/10/2008	37	37	0		35	0	0	0	0	0	0	34	105	19	0		0
02/09/2008	38	38	0		35	0	0	0	0	0	0	34	105	18	0		0
02/08/2008	38	38	0		35	0	0	0	0	0	0	34	105	19	0		0
02/07/2008	35	35	0		35	0	0	0	0	0	0	34	105	19	0		0
02/06/2008	33	33	0		35	0	0	0	0	0	0	34	105	21	0		0
02/05/2008	36	36	0		35	0	0	0	0	0	0	34	105	22	0		0
02/04/2008	38	38	0		35	2	0	0	0	0	0	34	105	24	0		0
02/03/2008	34	34	0		35	0	0	0	0	0	0	34	105	17	0		0
02/02/2008	32	32	0		35	0	0	0	0	0	0	34	105	21	0		0
02/01/2008	0	0	0		35	0	0	0	0	0	0	34	105	5	15	Equipment Failure	gas plant repairs
01/31/2008	0	0	0		40	0	1	0	0	0	0	34	105	2	15	Equipment Failure	gas plant repairs
01/30/2008	0	0	0		40	0	1	0	0	0	0	34	105	5	15	Equipment Failure	gas plant repairs
01/29/2008	15	15	0		40	0	1	0	0	0	0	34	105	9	15	Equipment Failure	gas plant repairs
01/28/2008	15	15	0		40	0	1	0	0	0	0	34	105	20	15	Equipment Failure	gas plant repairs
01/27/2008	35	35	0		40	2	1	0	0	0	0	34	105	20	0		0
01/26/2008	38	38	0		40	0	1	0	0	0	0	34	105	21	0		0
01/25/2008	37	37	0		40	0	1	0	0	0	0	34	105	21	0		0
01/24/2008	35	35	0		40	2	1	0	0	0	0	34	105	19	0		0
01/23/2008	35	35	0		40	0	1	0	0	0	0	34	105	21	0		0
01/22/2008	37	37	0		40	0	1	0	0	0	0	34	105	20	0		0
01/21/2008	34	34	0		40	2	1	0	0	0	0	34	105	22	0		0
01/20/2008	34	34	0		40	2	1	0	0	0	0	34	105	22	0		0
01/19/2008	33	33	0		40	0	1	0	0	0	0	34	105	20	0		0
01/18/2008	33	33	0		40	2	1	0	0	0	0	34	105	21	0		0
01/17/2008	33	33	0		40	0	1	0	0	0	0	34	105	21	0		0
01/16/2008	33	33	0		40	0	1	0	0	0	0	34	105	22	0		0
01/15/2008	27	27	0		40	2	1	0	0	0	0	34	105	30	0		0
01/14/2008	38	38	0		40	0	1	0	0	0	0	34	105	24	0		0



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01/13/2008	38	38	0	40	0	1	0	0	34	105	22	0		0
01/12/2008	37	37	0	40	0	1	0	0	34	105	21	0		0
01/11/2008	40	40	0	40	0	1	0	0	34	105	23	0		0
01/10/2008	41	41	0	40	0	1	0	0	34	105	20	0		0
01/09/2008	37	37	0	40	0	1	0	0	34	105	22	0		0
01/08/2008	37	37	0	40	0	1	0	0	34	105	23	0		0
01/07/2008	40	40	0	40	0	1	0	0	34	105	24	0		0
01/06/2008	41	41	0	40	3	1	0	0	34	105	23	0		0
01/05/2008	38	38	0	40	0	1	0	0	34	105	24	0		0
01/04/2008	42	42	0	40	0	1	0	0	34	105	22	0		correct gauge 0
01/03/2008	38	38	0	40	3	1	0	0	34	105	22	0		correct gauge 0
01/02/2008	36	36	0	40	0	1	0	0	34	105	28	0		correct gauge 0
01/01/2008	37	37	0	40	0	1	0	0	34	105	22	0		correct gauge 0
12/31/2007	42	42	0	143	2	1	0	0	34	105	23	0		correct gauge 0
12/30/2007	45	45	0	143	0	1	0	0	34	105	24	0		correct gauge 0
12/29/2007	43	43	0	143	2	1	0	0	34	105	23	0		correct gauge 0
12/28/2007	43	43	0	143	0	1	0	0	34	105	23	0		correct gauge 0
12/27/2007	39	39	0	143	2	1	2	0	34	105	20	0		correct gauge 0
12/26/2007	57	57	0	143	0	1	0	0	34	105	20	0		correct gauge 0
12/25/2007	75	75	0	143	7	1	0	0	34	105	22	0		correct gauge 0
12/24/2007	70	70	0	143	0	1	0	0	34	105	22	0		correct gauge 0
12/23/2007	40	40	0	143	0	1	0	0	34	105	20	0		correct gauge 0
12/22/2007	78	78	0	143	3	1	0	0	34	105	27	0		correct gauge 0
12/21/2007	80	80	0	143	0	1	0	0	34	105	21	0		correct gauge 0
12/20/2007	77	77	0	143	0	1	0	0	34	105	20	0		correct gauge 0
12/19/2007	85	85	0	143	2	1	0	0	34	105	19	0		correct gauge 0
12/18/2007	83	83	0	143	5	1	2	0	34	105	18	0		correct gauge 0
12/17/2007	84	84	0	143	0	1	0	0	34	105	18	0		correct gauge 0
12/16/2007	83	83	0	143	7	1	0	0	34	105	20	0		correct gauge 0
12/15/2007	90	90	0	143	0	1	0	0	34	105	18	0		correct gauge 0
12/14/2007	88	88	0	143	3	1	0	0	34	105	22	0		correct gauge 0
12/13/2007	86	86	0	143	0	1	0	0	34	105	20	0		correct gauge 0
12/12/2007	93	93	0	143	3	1	0	0	34	105	23	0		correct gauge 0
12/11/2007	87	87	0	143	0	1	0	0	34	105	23	0		correct gauge 0
12/10/2007	95	95	0	143	2	1	0	0	34	105	24	0		correct gauge 0



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12/09/2007	92	92	0	143	3	1	2	0	34	105	21	0	correct gauge	0
12/08/2007	98	98	0	143	0	1	0	0	34	105	22	0	correct gauge	0
12/07/2007	104	104	0	143	3	1	0	0	34	105	20	0	correct gauge	0
12/06/2007	102	102	0	143	0	1	0	0	34	105	21	0	correct gauge	0
12/05/2007	102	102	0	143	2	1	0	0	34	105	18	0	correct gauge	0
12/04/2007	106	106	0	143	0	1	0	0	34	105	18	0	correct gauge	0
12/03/2007	107	107	0	143	3	1	0	0	34	105	19	0	correct gauge	0
12/02/2007	110	110	0	143	0	1	0	0	34	105	19	0	correct gauge	0
12/01/2007	107	107	0	143	2	1	0	0	34	105	22	0	correct gauge	0
11/30/2007	109	109	0	126	2	1	2	0	34	105	26	0	correct gauge	0
11/29/2007	107	107	0	126	5	1	2	0	34	105	19	0	correct gauge	0
11/28/2007	100	100	0	126	3	1	0	0	34	105	26	0	correct gauge	0
11/27/2007	94	94	0	126	0	1	0	0	34	105	28	0	correct gauge	0
11/26/2007	102	102	0	126	0	1	0	0	34	105	24	0	correct gauge	0
11/25/2007	99	99	0	126	7	1	0	0	34	105	16	0	correct gauge	0
11/24/2007	102	102	0	126	0	1	0	0	34	105	18	0	correct gauge	0
11/23/2007	99	99	0	126	0	1	0	0	34	105	19	0	correct gauge	0
11/22/2007	102	102	0	126	0	1	0	0	34	105	19	0	correct gauge	0
11/21/2007	105	105	0	126	0	1	0	0	34	105	18	0	correct gauge	0
11/20/2007	110	110	0	126	3	1	0	0	34	105	17	0	correct gauge	0
11/19/2007	110	110	0	126	0	1	0	0	34	105	19	0	correct gauge	0
11/18/2007	116	116	0	126	3	1	0	0	34	105	18	0	correct gauge	0
11/17/2007	115	115	0	126	0	1	0	0	34	105	18	0	correct gauge	0
11/16/2007	128	128	0	126	0	1	0	0	34	105	16	0	correct gauge	0
11/15/2007	117	117	0	126	2	1	0	0	34	105	19	0	correct gauge	0
11/14/2007	130	130	0	126	0	1	0	0	34	105	23	0	correct gauge	0
11/13/2007	121	121	0	126	0	1	0	0	34	105	25	0	correct gauge	0
11/12/2007	139	139	0	126	2	1	0	0	34	105	25	0	correct gauge	0
11/11/2007	139	139	0	126	2	1	0	0	34	105	24	0	correct gauge	0
11/10/2007	139	139	0	126	0	1	0	0	34	105	24	0	correct gauge	0
11/09/2007	136	136	0	126	2	1	0	0	34	105	27	0	correct gauge	0
11/08/2007	135	135	0	126	2	1	0	0	34	105	27	0	correct gauge	0
11/07/2007	146	146	0	126	0	1	0	0	34	105	27	0	correct gauge	0
11/06/2007	134	134	0	126	2	1	0	0	34	105	27	0	correct gauge	0
11/05/2007	150	150	0	126	0	1	0	0	34	105	27	0	correct gauge	0
11/04/2007	155	155	0	126	0	1	0	0	34	105	27	0	correct gauge	0



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11/03/2007	156	156	0	126	2	1	0	0	34	105	27	0	correct gauge	0
11/02/2007	156	156	0	126	0	1	0	0	34	105	27	0	correct gauge	0
11/01/2007	156	156	0	126	3	1	0	0	34	105	27	0	correct gauge	0
10/31/2007	156	156	0	164	2	1	0	0	34	105	27	0	correct gauge	0
10/30/2007	155	155	0	164	0	1	0	0	34	105	24	0	correct gauge	0
10/29/2007	155	155	0	164	0	1	0	0	34	105	24	0	correct gauge	0
10/28/2007	163	163	0	164	0	1	0	0	34	105	24	0	correct gauge	0
10/27/2007	167	167	0	164	0	1	0	0	34	105	24	0	correct gauge	0
10/26/2007	164	164	0	164	0	1	0	0	34	105	24	0	correct gauge	0
10/25/2007	167	167	0	164	0	1	0	0	34	105	24	0	correct gauge	0
10/24/2007	187	187	0	164	2	1	2	0	34	105	23	0	correct gauge	0
10/23/2007	143	143	0	164	2	1	0	0	34	105	24	0		0
10/22/2007	35	35	0	164	0	1	0	0	34	105	22	0		0
10/21/2007	45	45	0	164	0	1	0	0	34	105	24	0		0
10/20/2007	101	101	0	164	0	1	0	0	34	105	21	0		0
10/19/2007	110	110	0	164	0	1	0	0	34	105	22	0		0
10/18/2007	212	212	0	164	2	1	0	0	34	105	28	0		0
10/17/2007	257	257	0	164	0	1	0	0	34	105	28	0		0
10/16/2007	220	220	0	164	0	1	0	0	34	105	25	0		0
10/15/2007	192	192	0	164	0	1	0	0	34	105	24	0		0
10/14/2007	113	113	0	164	0	1	0	0	34	105	24	0		0
10/13/2007	113	113	0	164	0	1	0	0	34	105	23	0		0
10/12/2007	122	122	0	164	0	1	0	0	34	105	23	0		0
10/11/2007	122	122	0	164	0	1	0	0	34	105	23	0		0
10/10/2007	162	162	0	164	0	1	0	0	34	105	23	0		0
10/09/2007	298	298	0	164	0	1	0	0	34	105	25	0		0
10/08/2007	387	387	0	164	2	1	0	0	34	105	26	0		0
10/07/2007	428	428	0	164	3	1	0	0	34	105	26	0		0
10/06/2007	449	449	0	164	3	1	0	0	34	105	26	0		0
10/05/2007	469	469	0	164	3	1	0	0	34	105	27	0		0
10/04/2007	524	524	0	164	5	1	2	0	34	105	27	0		0
10/03/2007	524	524	0	164	3	1	0	0	34	105	28	0		0
10/02/2007	552	552	0	164	3	1	0	0	34	105	29	0		0
10/01/2007	612	612	0	164	7	1	0	0	34	105	29	0		0
09/30/2007	612	612	0	831	8	15	0	0	34	105	27	0		0





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09/29/2007	644	644	0	831	7	15	0	0	34	105	31	0		0
09/28/2007	676	676	0	831	7	15	0	0	34	105	31	0		0
09/27/2007	711	711	0	831	8	15	0	0	34	105	32	0		0
09/26/2007	746	746	0	831	3	15	0	0	34	105	33	0		0
09/25/2007	776	776	0	831	22	15	0	0	34	105	29	0		0
09/24/2007	811	811	0	831	15	15	0	0	34	105	29	0		0
09/23/2007	813	813	0	831	15	15	2	0	34	105	32	0		0
09/22/2007	809	809	0	831	15	15	4	0	34	105	32	0		0
09/21/2007	739	739	0	831	12	15	7	0	34	105	33	0		0
09/20/2007	739	739	0	831	17	15	8	0	34	105	33	0		0
09/19/2007	666	666	0	831	15	15	0	0	34	105	31	0		0
09/18/2007	592	592	0	831	15	15	12	0	34	105	30	0		0
09/17/2007	513	513	0	831	15	15	12	0	34	105	28	0		0
09/16/2007	448	448	0	831	8	15	28	0	34	105	27	0		0
09/15/2007	423	423	0	831	10	15	10	0	34	105	30	0		0
09/14/2007	439	439	0	831	12	15	20	0	34	105	28	0		0
09/13/2007	68	68	0	831	5	15	5	0	32	100	25	18 Workover	well back on	0
09/12/2007	0	0	0	831	0	15	0	0	0	0	25	24 Workover	well back on	0
09/11/2007	0	0	0	831	0	15	0	0	0	0	25	24 Workover	shut in workover on well	0
09/10/2007	0	0	0	831	0	15	0	0	0	0	24	24 Workover	shut in workover on well	0
09/09/2007	0	0	0	831	0	15	0	0	0	0	25	24 Workover	shut in workover on well	0
09/08/2007	0	0	0	831	0	15	0	0	0	0	25	24 Workover	shut in workover on well	0



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09/07/2007	0	0	0	831	0	15	0	0	0	0	0	0	0	0	0	22	24	Workover	shut in workover on well	0
09/06/2007	0	0	0	831	0	15	0	0	0	0	0	0	0	0	0	23	24	Workover	shut in workover on well	0
09/05/2007	0	0	0	831	0	15	0	0	0	0	0	0	0	0	0	28	24	Workover	shut in workover on well	0
09/04/2007	554	554	0	831	5	15	0	0	0	144	474	30	0							19
09/03/2007	1,056	1,056	0	831	13	15	0	0	0	144	474	37	0							19
09/02/2007	1,107	1,107	0	831	15	15	0	0	0	144	474	38	0							19
09/01/2007	1,153	1,153	0	831	15	15	0	0	0	144	474	40	0							19
08/31/2007	1,209	1,209	0	3,925	22	270	0	0	0	144	474	42	0							19
08/30/2007	1,266	1,266	0	3,925	22	270	0	0	0	144	474	42	0							19
08/29/2007	1,322	1,322	0	3,925	23	270	0	0	0	144	474	42	0							19
08/28/2007	1,383	1,383	0	3,925	28	270	0	0	0	144	474	40	0							19
08/27/2007	1,406	1,406	0	3,925	33	270	0	0	0	144	474	39	0							19
08/26/2007	1,750	1,750	0	3,925	48	270	0	0	0	144	474	26	0					ok number is correct.		19
08/25/2007	944	944	0	3,925	32	270	0	0	0	195	727	26	0					wellopenup		19
08/24/2007	0	0	0	3,925	0	270	0	0	0	195	727	22	0					well has production		19
08/23/2007	0	0	0	3,925	0	270	0	0	0	195	727	25	24	SI/Cycling				well shut in		19
08/22/2007	1,025	1,025	0	3,925	15	270	0	0	0	195	727	36	0							19
08/21/2007	1,564	1,564	0	3,925	52	270	0	0	0	195	727	45	0							19
08/20/2007	1,609	1,609	0	3,925	59	270	0	0	0	195	727	52	0							19
08/19/2007	1,540	1,540	0	3,925	60	270	0	0	0	195	727	51	0							19
08/18/2007	1,701	1,701	0	3,925	80	270	0	0	0	195	727	52	0							19
08/17/2007	1,764	1,764	0	3,925	83	270	0	0	0	195	727	59	0							19
08/16/2007	1,791	1,791	0	3,925	114	270	0	0	0	195	727	61	0							19
08/15/2007	1,785	1,785	0	3,925	119	270	0	0	0	195	727	55	0							19
08/14/2007	1,683	1,683	0	3,925	120	270	0	0	0	195	727	55	0							19
08/13/2007	1,930	1,930	0	3,925	179	270	0	0	0	195	727	55	0						correct	19
08/12/2007	1,930	1,930	0	3,925	230	270	0	0	0	195	727	59	0							19
08/11/2007	1,853	1,853	0	3,925	266	270	0	0	0	195	727	54	0							19
08/10/2007	1,844	1,844	0	3,925	307	270	0	0	0	195	727	51	0							19
08/09/2007	1,153	1,153	0	3,925	315	270	0	0	0	195	727	42	0						ok	19



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08/08/2007	1,807	1,807	0	3,925	456	270	0	0	195	727	51	0	Ok, the gauges are correct.	19
08/07/2007	1,763	1,763	0	3,925	393	270	0	0	231	636	52	0	Ok, gauges are correct.	19
08/06/2007	1,630	1,630	0	3,925	444	270	0	0	231	636	51	0	ok	19
08/05/2007	1,599	1,599	0	3,925	320	270	0	0	231	636	48	0	ok	19
08/04/2007	1,558	1,558	0	3,925	483	270	0	0	231	636	48	0		19
08/03/2007	1,423	1,423	0	3,925	499	270	0	0	231	636	49	0		19
08/02/2007	1,373	1,373	0	3,925	535	270	0	0	231	636	55	0		19
08/01/2007	1,262	1,262	0	3,925	554	270	0	0	231	636	53	0		19
07/31/2007	1,223	1,223	0	499	552	333	0	0	231	636	53	0		19
07/30/2007	1,156	1,156	0	499	556	333	0	0	231	636	53	0		19
07/29/2007	1,100	1,100	0	499	539	333	0	0	241	583	46	0		24
07/28/2007	1,032	1,032	0	499	553	333	0	0	241	583	43	0		24
07/27/2007	897	897	0	499	553	333	0	0	241	583	41	0		24
07/26/2007	815	815	0	499	561	333	0	0	575	3,750	40	0		24
07/25/2007	645	645	0	499	548	333	0	0	575	3,750	40	0		24
07/24/2007	651	651	0	499	566	333	0	0	575	3,750	39	0		24
07/23/2007	831	831	0	499	499	333	0	0	575	3,750	125	0		24
07/22/2007	529	529	0	499	465	333	0	0	575	3,750	298	0		24
07/21/2007	523	523	0	499	428	333	0	0	575	3,750	290	0		24
07/20/2007	550	550	0	499	429	333	0	0	575	3,750	320	0		24
07/19/2007	615	615	0	499	430	333	0	0	575	3,750	272	0		24
07/18/2007	543	543	0	499	354	333	0	0	575	3,750	270	0		24
07/17/2007	543	543	0	499	255	333	0	0	575	3,750	269	0		24
07/16/2007	754	754	0	499	920	333	0	0	575	3,750	269	0		24
07/15/2007	1,162	1,162	0	499	754	333	0	0	575	3,750	256	0		24
07/14/2007	1,162	1,162	0	499	809	333	0	0	575	3,750	274	0		24
07/13/2007	1,154	1,154	0	499	699	333	0	0	575	3,750	274	0		24
07/12/2007	1,758	1,758	0	499	1,435	333	0	0	575	3,750	295	0		24
07/11/2007	1,166	1,166	0	499	461	333	8	0	575	3,750	298	9	Workover	14
07/10/2007	0	0	0	499	0	333	0	0	0	0	0	0		14
07/09/2007	0	0	0	499	0	333	0	0	0	0	0	0		14
07/08/2007	0	0	0	499	0	333	0	0	0	0	0	0		14
07/07/2007	0	0	0	499	0	333	0	0	0	0	0	24		14



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07/06/2007	0	0	0	499	0	333	0	0	0	0	0	24	14
Totals	96,078	96,078	0	177,184	18,671	17,634	132	0	0	0	0	438	



**Dinwiddie 23 Federal #1  
Lea County, New Mexico  
Commingle Wolfcamp and Strawn Procedure**

**Date:** April 25, 2008

**Location:** 1,400' FNL & 660' FEL Sec. 23-T25S-R35E

**Production Casing:** 4 1/2" 15.1# P-110 LT&C, 0-15,860', ID-3.826", Drift-3.701", Burst-14,420#

**PBTD/TD:** 13,513' / 15,860'

**Current Perfs:** Wolfcamp 12,850 - 13,097'  
Strawn 13,595 - 13,700'

**Recommended Procedure:**

1. MIRU PU. NDWH/NUBOP. Pump KCl water down tubing to kill well. Release packer @ 12,744' and POH w/ tbg.
2. RIH w/ bit and drill collars on tbg. Drill out cement and CIBP @ 13,550'. Continue cleaning out hole down through Strawn perfs to 13,800'. Circulate hole clean and POH w/ bit.
3. RIH BHA, SN and TAC on 2 3/8" tbg. Set SN @ 13,700' and TAC @ 12,800'. RIH w/ the following rod string:
  - 150 7/8" Norris 97
  - 338 3/4" Norris 97
  - 60 7/8" Norris 97
  - 1.25" pump
4. NDBOP/NUWH. RD MO.
5. Set 640 pumping unit with a 144" stroke (any longer stroke length will overload the gearbox), running 8 spm. Put well on pump.



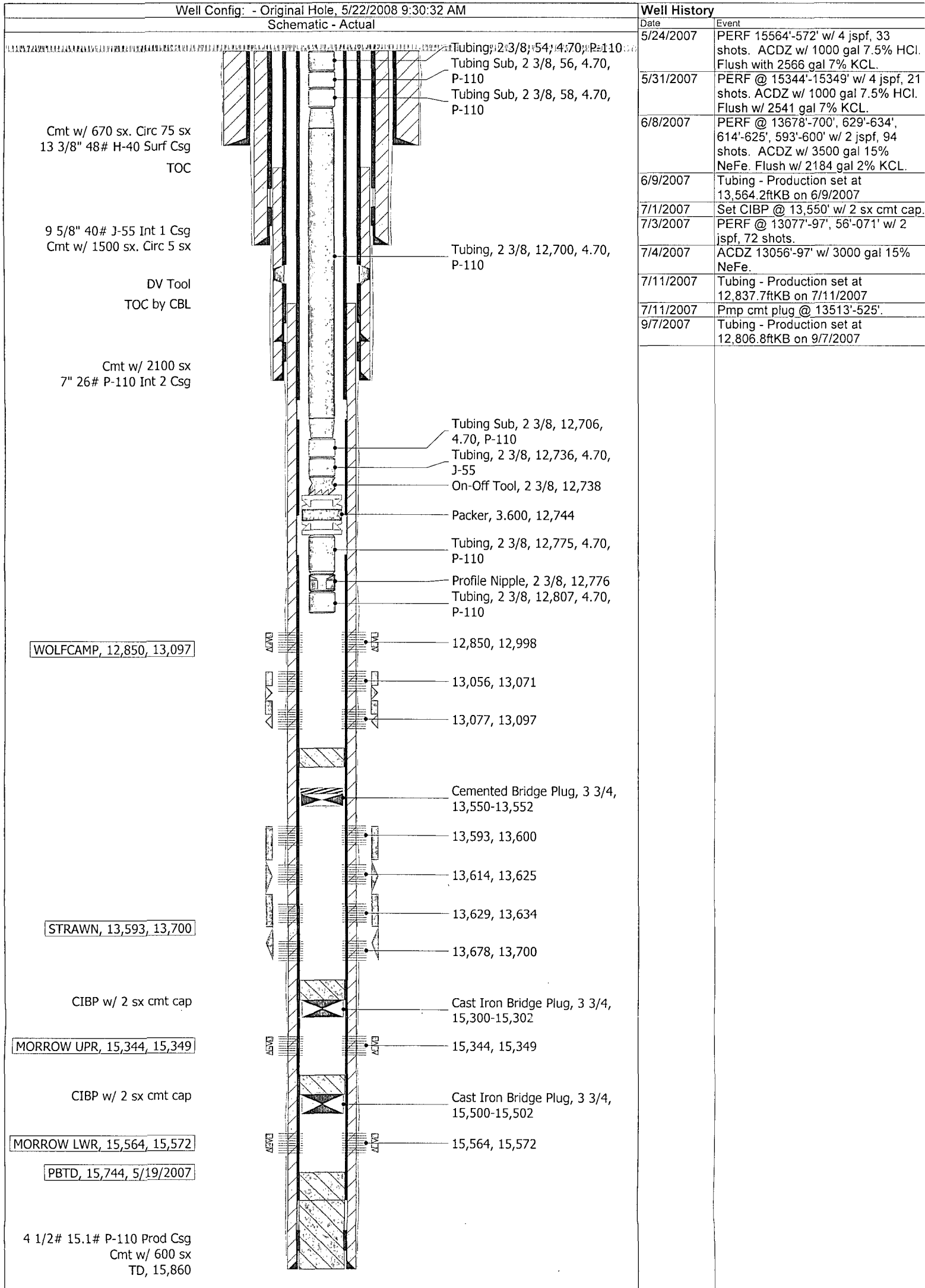
Current Wellbore Schematic

DINWIDDIE 23 FEDERAL 1

Field: Talco Prospect  
County: LEA  
State: NEW MEXICO  
Elevation: GL 3,131.00 KB 3,154.00  
KB Height: 23.00

Location: SEC 23, 25S-35E, 1400 FNL & 660 FEL

Spud Date: 1/15/2007  
Initial Compl. Date:  
API #: 3002538242  
CHK Property #: 612528  
1st Prod Date: 6/1/2007  
PBSD: Original Hole - 15744.0  
TD: 15,860.0



**Bryan Arrant**

---

**From:** Bryan Arrant  
**Sent:** Thursday, May 22, 2008 4:29 PM  
**To:** 'Jones, William V., EMNRD'  
**Cc:** 'paul.kautz@state.nm.us'  
**Subject:** Dinwiddie 23 Federal # 1

RECEIVED  
2008 MAY 27 PM 4:03

Hi Will and Paul,

A DHC for this well just went out less the land plats.  
I'm going to send this out under a separate mailing.  
Sorry, I got in a rush and when I went to check on the outgoing mail, it was already gone.

Bryan G. Arrant  
Chesapeake Energy Corp.  
Senior Regulatory Compliance Specialist  
Enterprise Plaza  
Phone: 405-879-3782  
Fax: 405-879-7911  
E-mail: bryan.arrant@chk.com

## District I

625 N. French Dr., Hobbs, NM 88240

## District II

1301 W. Grand Avenue, Artesia, NM 88210

## District III

1000 Rio Brazos Rd., Aztec, NM 87410

## District IV

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

## State of New Mexico

Energy, Minerals &amp; Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-38242	<sup>2</sup> Pool Code 97634	<sup>3</sup> Pool Name Kammerer Tanks; Wolfcamp Gas
<sup>4</sup> Property Code	<sup>5</sup> Property Name Dinwiddie 23 Federal	<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 147179	<sup>8</sup> Operator Name Chesapeake Operating, Inc.	<sup>9</sup> Elevation 3128'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	23	25S	35E		1400'	North	660'	East	Lea

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

<sup>16</sup> 	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Linda Weeks</u> Date: <u>05/21/2008</u> Printed Name: <u>Linda Weeks-Reg. Compliance Specialist</u>
	<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> 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: <u>Please refer to original plat.</u> Certificate Number:



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AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-38242	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name Wildcat; Strawn Gas
<sup>4</sup> Property Code	<sup>5</sup> Property Name Dinwiddie 23 Federal	<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 147179	<sup>8</sup> Operator Name Chesapeake Operating, Inc.	<sup>9</sup> Elevation 3128'

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