



This Form must be Typed  
Form must be Signed  
All blanks must be Filled

### WELL PLUGGING APPLICATION

Form KSONA-1, Certification of Compliance with the Kansas Surface Owner Notification Act,  
MUST be submitted with this form.

OPERATOR: License #: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address 1: \_\_\_\_\_  
Address 2: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

API No. 15 - \_\_\_\_\_  
If pre 1967, supply original completion date: \_\_\_\_\_  
Spot Description: \_\_\_\_\_  
\_\_\_\_ - \_\_\_\_ - \_\_\_\_ Sec. \_\_\_\_ Twp. \_\_\_\_ S. R. \_\_\_\_  East  West  
\_\_\_\_ Feet from  North /  South Line of Section  
\_\_\_\_ Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Check One:  Oil Well  Gas Well  OG  D&A  Cathodic  Water Supply Well  Other: \_\_\_\_\_  
 SWD Permit #: \_\_\_\_\_  ENHR Permit #: \_\_\_\_\_  Gas Storage Permit #: \_\_\_\_\_

Conductor Casing Size: \_\_\_\_\_ Set at: \_\_\_\_\_ Cemented with: \_\_\_\_\_ Sacks  
Surface Casing Size: \_\_\_\_\_ Set at: \_\_\_\_\_ Cemented with: \_\_\_\_\_ Sacks  
Production Casing Size: \_\_\_\_\_ Set at: \_\_\_\_\_ Cemented with: \_\_\_\_\_ Sacks

List (ALL) Perforations and Bridge Plug Sets:

Elevation: \_\_\_\_\_ (  G.L. /  K.B. ) T.D.: \_\_\_\_\_ PBTD: \_\_\_\_\_ Anhydrite Depth: \_\_\_\_\_  
(Stone Corral Formation)

Condition of Well:  Good  Poor  Junk in Hole  Casing Leak at: \_\_\_\_\_  
(Interval)

Proposed Method of Plugging (attach a separate page if additional space is needed):

Is Well Log attached to this application?  Yes  No Is ACO-1 filed?  Yes  No

If ACO-1 not filed, explain why:

**Plugging of this Well will be done in accordance with K.S.A. 55-101 et. seq. and the Rules and Regulations of the State Corporation Commission**

Company Representative authorized to supervise plugging operations: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

Plugging Contractor License #: \_\_\_\_\_ Name: \_\_\_\_\_

Address 1: \_\_\_\_\_ Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

Proposed Date of Plugging (if known): \_\_\_\_\_

Payment of the Plugging Fee (K.A.R. 82-3-118) will be guaranteed by Operator or Agent

Submitted Electronically



### CERTIFICATION OF COMPLIANCE WITH THE KANSAS SURFACE OWNER NOTIFICATION ACT

*This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application). Any such form submitted without an accompanying Form KSONA-1 will be returned.*

Select the corresponding form being filed:  C-1 (Intent)  CB-1 (Cathodic Protection Borehole Intent)  T-1 (Transfer)  CP-1 (Plugging Application)

OPERATOR: License # \_\_\_\_\_  
Name: \_\_\_\_\_  
Address 1: \_\_\_\_\_  
Address 2: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Phone: ( \_\_\_\_\_ ) \_\_\_\_\_ Fax: ( \_\_\_\_\_ ) \_\_\_\_\_  
Email Address: \_\_\_\_\_

Well Location:  
\_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_ Sec. \_\_\_\_ Twp. \_\_\_\_ S. R. \_\_\_\_  East  West  
County: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

*If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:*

**Surface Owner Information:**

Name: \_\_\_\_\_  
Address 1: \_\_\_\_\_  
Address 2: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

*When filing a Form T-1 involving multiple surface owners, attach an additional sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the county, and in the real estate property tax records of the county treasurer.*

*If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.*

**Select one of the following:**

- I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.
- I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I must provide the name and address of the surface owner by filling out the top section of this form and that I am being charged a \$30.00 handling fee, payable to the KCC, which is enclosed with this form.

*If choosing the second option, submit payment of the \$30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.*

I Submitted Electronically



**Chesapeake Operating, Inc.**  
**Interoffice Memorandum**

**TO: Jay Stratton**

**CC: Walter Kennedy, John Hudson, David Lynch and Bud Neff**

**FROM: Doug Kathol, Sara Everett**

**DATE: March 12, 2014**

**RE: Plug and Abandon**

**GARDEN CITY 1-13  
SECTION 13-T22S-R34W  
FINNEY COUNTY, KS**

**Property Number: 217724**

**Chesapeake Energy**

**GW: 78.678%    NRI: 56.283%**

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**Recommendation:**

This well was producing 12 MCFPD when it was TA'd in November of 2013. The well was drilled in 1955 to a total depth of 2559, completed in the Herington formation, with first sales in 1956. Cumulative production from this well has been 1.4 BCF.

**Discussion:**

**GARDEN CITY 1-13  
 Plug & Abandon  
 HERINGTON  
 Vertical  
 3/12/2014**

Geologist :	Walter Kennedy
Reservoir Engineer:	John Hudson
Production Engineer :	Doug Kathol
Landman :	David Lynch
Production Sup.:	Bud Neff

**WELL DATA:**

**Lease:** GARDEN CITY 1-13      **WI:** 0.786780      **NRI:** 0.562830

**S-T-R:** 13-T22S-R34W      **County, St:** FINNEY, KS

**Location:** C NE - 3960 FSL & 1320 FEL OF SECTION

**AFE #:** 803144      **API #:** 1505500316      **Prop. #:** 217724      **IP:** 2.6 MCF

**PBTD:** 2,555'      **TD:** 2,559'      **Spudded:** 4/2/1955

**Type:** Vertical      **Elevations**      **GL:** 2,913'      **KB:** 2,918'      **KB-GL:** 5'

**Casing and Tubing:**

SIZE	WEIGHT	GRADE	TYPE	CEMENT	TOC	SET DEPTH	
						TOP	BTM
8 5/8			Surface Casing	200	5'	5'	296'
5 1/2			Production Casing	150	unknown	5'	2,535'
2 3/8			Tubing			5'	2,515'

**Production Casing and Tubing Data:**

SIZE	WEIGHT	GRADE	ID	DRIFT	Bbl/Ft.	Gallons/Ft.	Burst	Collapse	Jnt St
unknown									

**Well Driving Directions:**

hwy 50 west to big lowe rd, 9 3/4 north west into

**Perf'd Formations**

**Depth Range**

Treatable Water      unknown  
 Herington      2535

**Stimulation Details**

1,100M frac

**NOTES:** No well file available for the Garden City 1-13. All information from the KGS and a workover report dated 11/19/02.

Garden City 1-13

P&A

March 12, 2014

## **Procedure**

1. Obtain plugging permit from KCC office and notify plugging supervisor 24 hrs. before plugging operations begin.
2. MIRU WO unit. ND WH, NU BOP. Kill well if necessary with lease water.
3. POOH laying down downhole equipment. Stand back tbg in derrick.
4. MIRU WL Unit and RIH with 5½" CIBP and set at +/-50' above perms. Dump bail 10' of cement on CIBP. RDMO WL unit.
5. RIH w/ tbg, set EOT @ +/-50' above CIBP and circulate hole with 9#, 36 vis (minimum plugging mud and circulate plugging mud to surface). TOOH w/tbg.
6. PUH with tubing. Circulate cement across the 8-5/8" csg shoe and spot 100' cement cmt plug. (See note)
7. PUH with tubing. Circulate cement across Base of Treatable Water and spot 100' cmt plug. WOC and POOH.
8. RIH with tubing and tag cement plug.. Respot more cement if necessary.
9. PUH with tbg to 34' and spot 30' cement plug (34' to 4') from surface.
10. RDMO WO unit. Cut off csg 4' below ground level and weld on ID Plate.

### **NOTE :**

If 5½" casing cannot be cut off below surface casing shoe, the 5 1/2" casing must be perforated at surface casing shoe and block squeezed, raising cement to 50' above the surface csg shoe depth. The cement plug must then be tagged at 50' from shoe or higher. Go to step #9.



3/12/2014

**Chesapeake Operating, Inc.**  
**Estimated Plugging & Salvage Values**  
Shallow Well (<3000' TD Apprx.)

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<b>Well Name:</b> Garden City 1-13	<b>Property #</b> 217724	<b>GWI:</b> 78.678
<b>Location:</b> SEC13-T22S-R34W	<b>API #</b> 15-055-00316	<b>NRI:</b> 56.283
<b>County, State:</b> Finney Co., KS	<b>AFE #</b> 803144	

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**Estimated Equipment Salvage Values- Condition "C" Assumed**

<u>Equipment Description</u>	<u>Salvage Value</u>	<u>Cost</u>
76 jts 2 3/8", 2508' Tubing	1304	\$1,304.00
5/8", 2500' Rods	600	\$600.00
Faulk Vintage one leg HD unit	2159	\$2,159.00
Engine (10 hp)	925	\$925.00
Tank (80 bbl fiberglass)	397	\$397.00
	<b>Gross Salvage Total:</b>	<b>\$5,385.00</b>
	<b>COI Net Salvage Total:</b>	<b>\$4,236.81</b>

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**Estimated Plugging Expenses**

<u>Description</u>	<u>Cost</u>
Cased Hole Services / Perforating	\$2,000.00
Completion Unit	\$5,500.00
Contract Labor	\$3,000.00
Cementing/Squeeze	\$500.00
Contingency	\$2,000.00
Plug to Abandon	\$4,000.00
Supervision	\$2,000.00
Surface Equipment Rental	\$1,000.00
Transportation	\$1,000.00
Reclamation	\$3,000.00
	<b>Gross Plugging Expense: \$24,000.00</b>
	<b>COI Net Plugging Expense: \$18,882.72</b>

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**Gross Total Estimated Plugging Expense: \$18,615.00**  
**COI Net Total Estimated Plugging Expense: \$14,645.91**

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# Current Wellbore Schematic

**WELL (PN):** GARDEN CITY 1-13 (217724)  
**FIELD OFFICE:** GARDEN CITY  
**FIELD:** Hugoton Gas Area  
**STATE / COUNTY:** KANSAS / FINNEY  
**LOCATION:** SEC 13-22S-34W, 3960 FSL & 1320 FEL  
**ROUTE:** GAR-KS-ROUTE 04 - DAVID ROWLAND  
**ELEVATION:** GL: 2,913.0 KB: 2,918.0 KB Height: 5.0  
**DEPTHS:** TD: 2,559.0

**API #:** 1505500316  
**Serial #:**  
**SPUD DATE:** 4/2/1955  
**RIG RELEASE:**  
**1ST SALES GAS:** 1/1/1956  
**1ST SALES OIL:**  
**Current Status:** SHUTIN

VERTICAL - Original Hole, 3/12/2014 8:30:03 AM		Pumping Units									
Vertical schematic (actual)	Zones	Type	Make	Model	SPM	SL (in)	Install Date				
		Conventional Crank	Continental Emsco	21301863 D		30.00	1/1/1956				
	<b>Surface Casing; Set @ 296.0 ftKB ; Original Hole</b>										
	Set Tension (kips)		Mud Weight		Cut Pull Date		Depth Cut Pull (ftKB)				
	Item Des	OD (in)	ID (in)	Drift (in)	Wt (lb/ft)	Grade	Top Thread	Top (ftKB)	Btm (ftKB)	Len (ft)	
	Casing Joints	8 5/8						5.0	295.0	290.00	
	Shoe	8 5/8						295.0	296.0	1.00	
	<b>Production Casing; Set @ 2,535.0 ftKB ; Original Hole</b>										
	Set Tension (kips)		Mud Weight		Cut Pull Date		Depth Cut Pull (ftKB)				
	Item Des	OD (in)	ID (in)	Drift (in)	Wt (lb/ft)	Grade	Top Thread	Top (ftKB)	Btm (ftKB)	Len (ft)	
	Casing Joints	5 1/2						5.0	2,534.0	2,529.00	
	Shoe	5 1/2						2,534.0	2,535.0	1.00	
	<b>Description:</b> Surface Casing Cement <b>5.0-296.0</b> <b>Top of Cement (ftKB):</b> 5.0 <b>Top Measurement Method:</b> Returns to Surface										
	Fluid	Pump Start Date	Amount (sacks)	Class	Dens (lb/gal)	Vol Pumped (bbl)	Yield (ft <sup>3</sup> /sack)				
		4/4/1955	200								
	<b>Description:</b> Production Casing Cement <b>1,659.0-2,559.0</b> <b>Top of Cement (ftKB):</b> 1,659.0 <b>Top Measurement Method:</b> Estimated										
Fluid	Pump Start Date	Amount (sacks)	Class	Dens (lb/gal)	Vol Pumped (bbl)	Yield (ft <sup>3</sup> /sack)					
	4/6/1955	150									
<b>Tubing String: Tubing - Production</b>											
Set Depth (ftKB)	Wellbore	Run Date	Pull Date	Cut Pull Date	Depth Cut Pull (ft...)						
2,515.0	Original Hole	11/19/2002									
Item Des	OD (in)	ID (in)	Drift (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Jts		
Tubing	2 3/8	1.995	1.901	4.70	J-55	5.0	2,504.0	2,499.00	79		
Seat Nipple	2 3/8					2,504.0	2,505.0	1.00			
Mud Anchor	2 3/8					2,505.0	2,515.0	10.00			
<b>Rod String: Rod - Conventional</b>											
Set Depth (ftKB)	In Tubing String					Pull Date					
2,505.0											
Item Des	OD (in)	Grade	Make	Model	Guide Des	Guides/Rod	Top (ftKB)	Btm (ftKB)	Len (ft)	Jts	
Polished Rod	1 1/4						2.0	18.0	16.00		
Rod Sub	5/8						18.0	20.0	2.00		
*COPY* Rod Sub	5/8						20.0	26.0	6.00		
*COPY* Rod Sub	5/8						26.0	34.0	8.00		
Sucker Rod	5/8	Norris	54				34.0	2,491.0	2,457.00	98	
Rod Pump	1 1/2						2,491.0	2,501.0	10.00		
Gas Anchor	1						2,501.0	2,505.0	4.00		

8 5/8 in; 0.00 lb/ft;  
296.0 ftKB

5 1/2 in; 0.00 lb/ft;  
2,535.0 ftKB

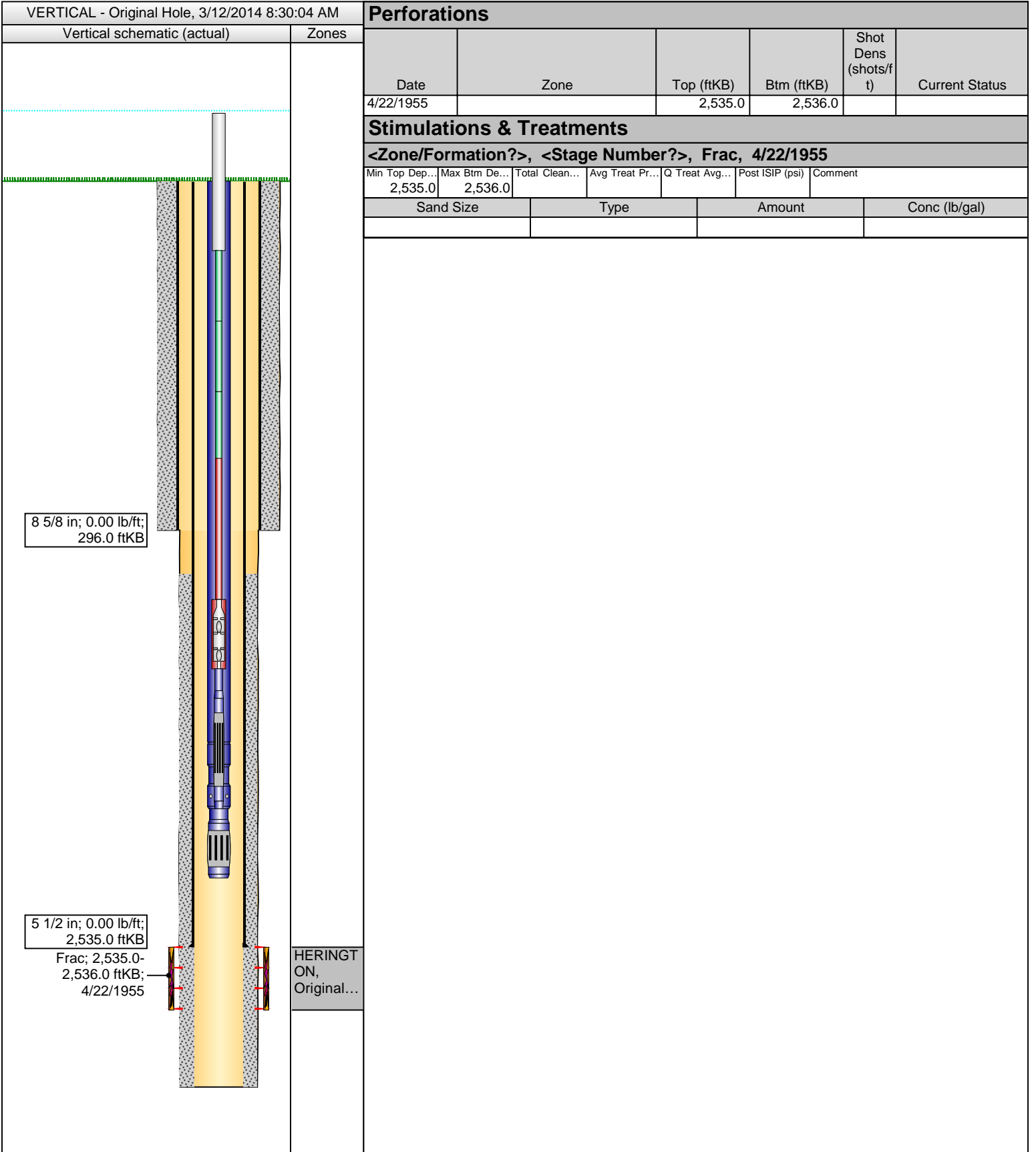
Frac; 2,535.0-  
2,536.0 ftKB;  
4/22/1955

HERINGT  
ON,  
Original...

# Current Wellbore Schematic

**WELL (PN):** GARDEN CITY 1-13 (217724)  
**FIELD OFFICE:** GARDEN CITY  
**FIELD:** Hugoton Gas Area  
**STATE / COUNTY:** KANSAS / FINNEY  
**LOCATION:** SEC 13-22S-34W, 3960 FSL & 1320 FEL  
**ROUTE:** GAR-KS-ROUTE 04 - DAVID ROWLAND  
**ELEVATION:** GL: 2,913.0 KB: 2,918.0 KB Height: 5.0  
**DEPTHS:** TD: 2,559.0

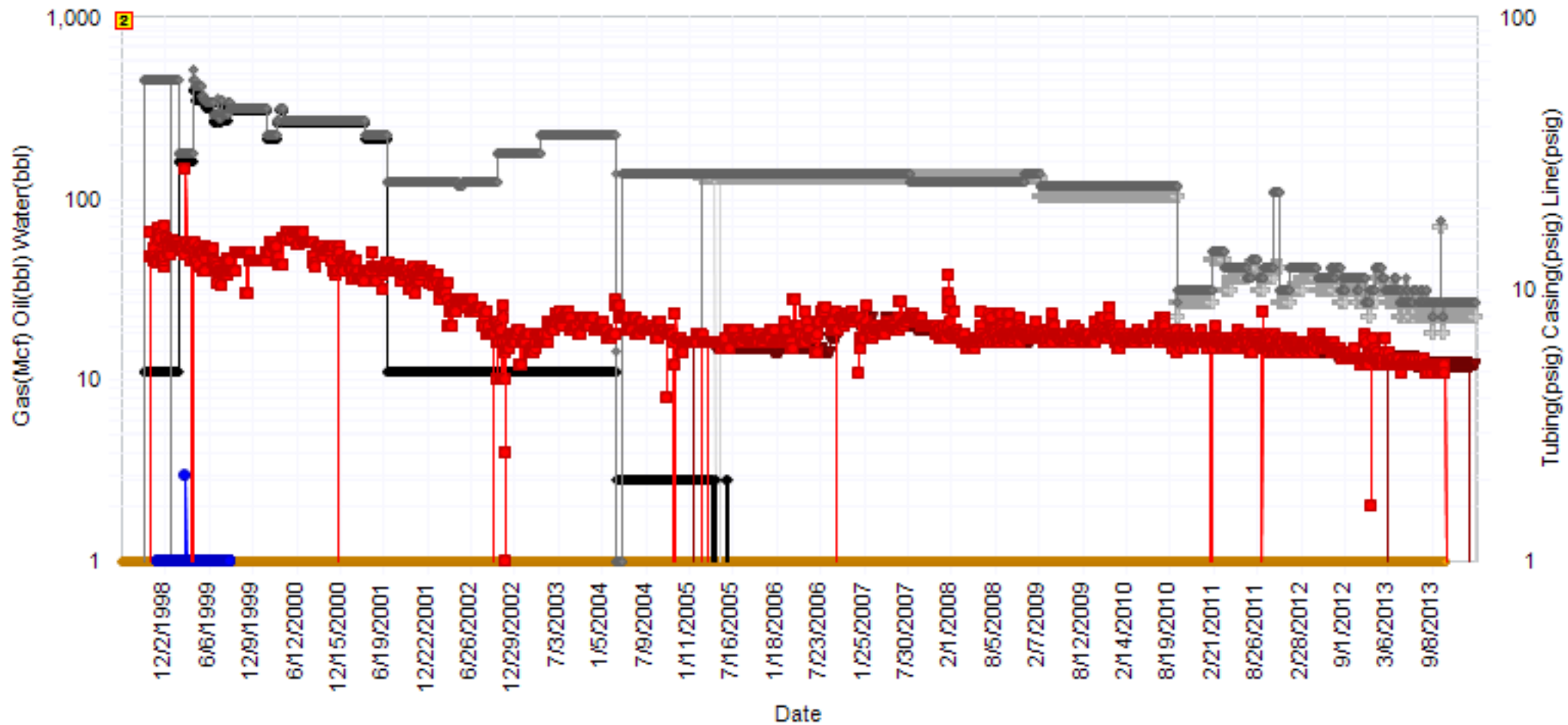
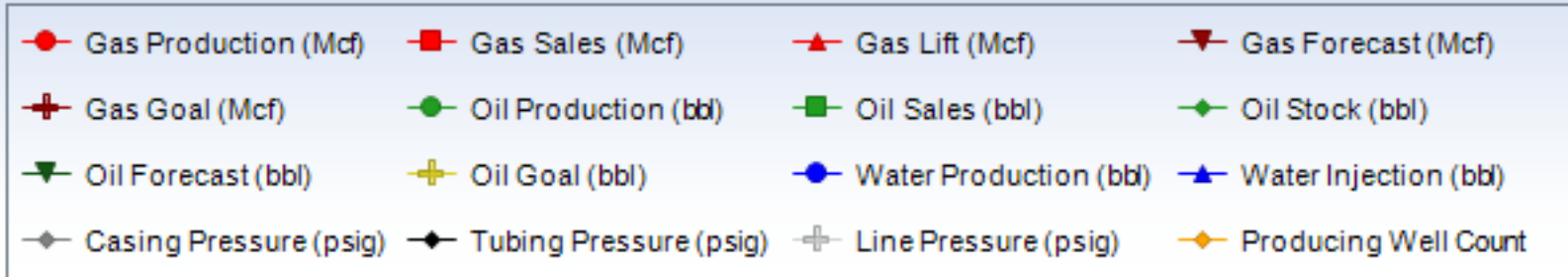
**API #:** 1505500316  
**Serial #:**  
**SPUD DATE:** 4/2/1955  
**RIG RELEASE:**  
**1ST SALES GAS:** 1/1/1956  
**1ST SALES OIL:**  
**Current Status:** SHUTIN





Zone: GARDEN CITY 1-13 (HERINGTON)  
 in Route: GAR-KS-Route 04 - David Rowland  
 Production Engineer: Doug Kathol  
 Production Foreman: Dennis Frick

Date Range Cum Gas Prod (Mcf): 133,943  
 Date Range Cum Oil Prod (bbl): 0  
 Date Range Cum Water Prod (bbl): 305  
 Production Setting: Rod Pump - PU-ELC-AUTO





## Chesapeake Energy Corporation

CST Production Monitor Export

GARDEN CITY 1-13 (HERINGTON)

1/1/1900 - 3/11/2014 | Gross Volumes | Operated Wells | 14.65 Pressure Base

Marker #	Date	Annotation	Created By	Created Date
1	4/2/1955	Drilling/Drilling/Original Drilling	WellviewJobInfo	3/11/2014
2	4/22/1955	Workover/Completion/Initial Completion	WellviewJobInfo	3/11/2014



## Chesapeake Energy Corporation

CST Operations 8/8ths LOS Report

LOS MAIN

01/2013 - 12/2013 Gross Volumes | Operated Wells

Name	Property	Gas Price	Oil Price	NGL Price	Royalty Burden	Revenue	MCFE	Total LOE	LOE/MCFE	Ad Val	Compression	Overhead	R&M	SWD	Subsurface	Utilities	Workover	All Other	Sev Tax	Op Cash Flow	Capital	Net Cash Flow
GARDEN CITY 1-13	217724	\$2.01	\$92.43	\$0.00	2,150	5,404	3,797	16,502	\$4.35	100	0	6,960	51	0	0	258	0	9,133	380	11,478	0	11,478
<b>Totals</b>		<b>\$2.01</b>	<b>\$92.43</b>	<b>\$0.00</b>	<b>2,150</b>	<b>5,404</b>	<b>3,797</b>	<b>16,502</b>	<b>\$4.35</b>	<b>100</b>	<b>0</b>	<b>6,960</b>	<b>51</b>	<b>0</b>	<b>0</b>	<b>258</b>	<b>0</b>	<b>9,133</b>	<b>380</b>	<b>11,478</b>	<b>0</b>	<b>11,478</b>

## Chesapeake Energy Corporation

CST Operations 8/8ths LOS Report

GARDEN CITY 1-13

01/2013 - 12/2013 Gross Volumes | Operated Wells



Name	Property	Gas Price	Oil Price	NGL Price	Royalty Burden	Revenue	MCFE	Total LOE	LOE/MCFE	Ad Val	Compression	Overhead	R&M	SWD	Subsurface	Utilities	Workover	All Other	Sev Tax	Op Cash Flow	Capital	Net Cash Flow
GARDEN CITY 1-13	217724	\$2.01	\$92.43	\$0.00	2,150	5,404	3,797	16,502	\$4.35	100	0	6,960	51	0	0	258	0	9,133	380	11,478	0	11,478

Line Item	01/2013	02/2013	03/2013	04/2013	05/2013	06/2013	07/2013	08/2013	09/2013	10/2013	11/2013	12/2013	Total
Gas Revenue Volume	421	346	376	375	378	368	377	377	359	362	58	0	3,797
Gas Sales	421	346	376	375	378	368	377	377	359	362	58	0	3,797
Gas Value	\$804	\$629	\$773	\$834	\$814	\$758	\$728	\$675	\$702	\$723	\$113	\$0	\$7,554
Gas Price	\$1.91	\$1.82	\$2.05	\$2.22	\$2.15	\$2.06	\$1.93	\$1.79	\$1.96	\$2.00	\$1.96	\$2.32	\$2.01
Oil Revenue Volume	0	0	0	0	0	0	0	0	0	0	0	0	0
Oil Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Oil Value	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Oil Price	\$88.99	\$90.59	\$89.49	\$86.01	\$88.96	\$89.97	\$99.13	\$100.70	\$100.40	\$94.72	\$88.16	\$92.06	\$92.43
Royalty Burden	229	179	220	237	232	216	207	192	200	206	32	0	2,150
Royalty Percent	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389
Revenue	575	450	553	597	582	542	521	483	502	517	81	0	5,404
MCFE	421	346	376	375	378	368	377	377	359	362	58	0	3,797
LOE Total	1,353	1,334	1,433	1,444	1,378	1,427	1,409	1,582	1,727	1,418	1,467	530	16,502
LOE Per MCFE	\$3.21	\$3.86	\$3.81	\$3.85	\$3.65	\$3.88	\$3.74	\$4.20	\$4.81	\$3.92	\$25.29	\$0.00	\$4.35
Ad Valorem Tax	0	0	0	0	0	0	0	0	0	0	0	100	100
Audit Charges	0	0	0	0	0	0	0	0	0	0	0	0	0
Company Labor	170	174	178	179	180	180	192	197	198	204	202	430	2,484
Compression	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract Serv/Equip Rental	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Facilities	53	37	32	41	40	40	35	35	38	42	29	0	422
Fuel Water Lube	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas Processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Insurance	0	0	0	0	0	0	0	0	314	0	0	0	314
Oil Processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Expenses	2	4	4	15	4	15	1	1	1	1	0	0	48
Overhead	600	600	600	645	645	645	645	645	645	645	645	0	6,960
Pumping Service	491	434	601	499	473	513	512	666	513	499	496	0	5,697
Regulatory	0	0	0	0	0	0	0	0	0	0	0	0	0
Rents And Fees	0	0	0	0	0	0	0	0	0	0	0	0	0
Repairs & Maintenance	0	51	0	0	0	0	0	0	0	0	0	0	51
Salt Water Disposal	0	0	0	0	0	0	0	0	0	0	0	0	0
Salt Water Processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Subsurface Repairs	0	0	0	0	0	0	0	0	0	0	0	0	0
Supplies	3	2	1	48	3	1	1	21	1	9	6	0	96
Telemetry	0	0	0	0	0	0	0	0	0	0	0	0	0
Transportation	0	0	0	0	0	0	0	0	0	0	0	0	0
Treating Expenses	0	0	0	0	0	0	0	0	0	0	72	0	72
Utilities	34	32	17	17	33	33	23	17	17	18	17	0	258
Workover	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas Severance Tax	41	32	39	41	41	38	37	34	35	36	6	0	380
Oil Severance Tax	0	0	0	0	0	0	0	0	0	0	0	0	0
Severance Tax	41	32	39	41	41	38	37	34	35	36	6	0	380
IDC Monthly	0	0	0	0	0	0	0	0	0	0	0	0	0
WEQ Monthly	0	0	0	0	0	0	0	0	0	0	0	0	0
NRI	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910
GWl	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170
Operating Cash Flow	(819)	(916)	(919)	(889)	(836)	(923)	(925)	(1,134)	(1,260)	(937)	(1,392)	(530)	(11,478)
Capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Cash Flow	(819)	(916)	(919)	(889)	(836)	(923)	(925)	(1,134)	(1,260)	(937)	(1,392)	(530)	(11,478)

## Chesapeake Energy Corporation

## CST Operations 8/8ths LOS Report

## Totals

01/2013 - 12/2013 Gross Volumes | Operated Wells



Name	Property	Gas Price	Oil Price	NGL Price	Royalty Burden	Revenue	MCFE	Total LOE	LOE/MCFE	Ad Val	Compression	Overhead	R&M	SWD	Subsurface	Utilities	Workover	All Other	Sev Tax	Op Cash Flow	Capital	Net Cash Flow
<b>Totals</b>		<b>\$2.01</b>	<b>\$92.43</b>	<b>\$0.00</b>	<b>2,150</b>	<b>5,404</b>	<b>3,797</b>	<b>16,502</b>	<b>\$4.35</b>	<b>100</b>	<b>0</b>	<b>6,960</b>	<b>51</b>	<b>0</b>	<b>0</b>	<b>258</b>	<b>0</b>	<b>9,133</b>	<b>380</b>	<b>11,478</b>	<b>0</b>	<b>11,478</b>
Line Item	01/2013	02/2013	03/2013	04/2013	05/2013	06/2013	07/2013	08/2013	09/2013	10/2013	11/2013	12/2013	Total									
Gas Revenue Volume	421	346	376	375	378	368	377	377	359	362	58	0	3,797									
Gas Sales	421	346	376	375	378	368	377	377	359	362	58	0	3,797									
Gas Value	\$804	\$629	\$773	\$834	\$814	\$758	\$728	\$675	\$702	\$723	\$113	\$0	\$7,554									
Gas Price	\$1.91	\$1.82	\$2.05	\$2.22	\$2.15	\$2.06	\$1.93	\$1.79	\$1.96	\$2.00	\$1.96	\$2.32	\$2.01									
Oil Revenue Volume	0	0	0	0	0	0	0	0	0	0	0	0	0									
Oil Sales	0	0	0	0	0	0	0	0	0	0	0	0	0									
Oil Value	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0									
Oil Price	\$88.99	\$90.59	\$89.49	\$86.01	\$88.96	\$89.97	\$99.13	\$100.70	\$100.40	\$94.72	\$88.16	\$92.06	\$92.43									
Royalty Burden	229	179	220	237	232	216	207	192	200	206	32	0	2,150									
Royalty Percent	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389	0.28464389									
Revenue	575	450	553	597	582	542	521	483	502	517	81	0	5,404									
MCFE	421	346	376	375	378	368	377	377	359	362	58	0	3,797									
LOE Total	1,353	1,334	1,433	1,444	1,378	1,427	1,409	1,582	1,727	1,418	1,467	530	16,502									
LOE Per MCFE	\$3.21	\$3.86	\$3.81	\$3.85	\$3.65	\$3.88	\$3.74	\$4.20	\$4.81	\$3.92	\$25.29	\$0.00	\$4.35									
Ad Valorem Tax	0	0	0	0	0	0	0	0	0	0	0	0	100									
Audit Charges	0	0	0	0	0	0	0	0	0	0	0	0	0									
Company Labor	170	174	178	179	180	180	192	197	198	204	202	430	2,484									
Compression	0	0	0	0	0	0	0	0	0	0	0	0	0									
Contract Serv/Equip Rental	0	0	0	0	0	0	0	0	0	0	0	0	0									
Field Facilities	53	37	32	41	40	40	35	35	38	42	29	0	422									
Fuel Water Lube	0	0	0	0	0	0	0	0	0	0	0	0	0									
Gas Processing	0	0	0	0	0	0	0	0	0	0	0	0	0									
Insurance	0	0	0	0	0	0	0	0	314	0	0	0	314									
Oil Processing	0	0	0	0	0	0	0	0	0	0	0	0	0									
Other Expenses	2	4	4	15	4	15	1	1	1	1	0	0	48									
Overhead	600	600	600	645	645	645	645	645	645	645	645	0	6,960									
Pumping Service	491	434	601	499	473	513	512	666	513	499	496	0	5,697									
Regulatory	0	0	0	0	0	0	0	0	0	0	0	0	0									
Rents And Fees	0	0	0	0	0	0	0	0	0	0	0	0	0									
Repairs & Maintenance	0	51	0	0	0	0	0	0	0	0	0	0	51									
Salt Water Disposal	0	0	0	0	0	0	0	0	0	0	0	0	0									
Salt Water Processing	0	0	0	0	0	0	0	0	0	0	0	0	0									
Subsurface Repairs	0	0	0	0	0	0	0	0	0	0	0	0	0									
Supplies	3	2	1	48	3	1	1	21	1	9	6	0	96									
Telemetry	0	0	0	0	0	0	0	0	0	0	0	0	0									
Transportation	0	0	0	0	0	0	0	0	0	0	0	0	0									
Treating Expenses	0	0	0	0	0	0	0	0	0	0	72	0	72									
Utilities	34	32	17	17	33	33	23	17	17	18	17	0	258									
Workover	0	0	0	0	0	0	0	0	0	0	0	0	0									
Gas Severance Tax	41	32	39	41	41	38	37	34	35	36	6	0	380									
Oil Severance Tax	0	0	0	0	0	0	0	0	0	0	0	0	0									
Severance Tax	41	32	39	41	41	38	37	34	35	36	6	0	380									
IDC Monthly	0	0	0	0	0	0	0	0	0	0	0	0	0									
WEQ Monthly	0	0	0	0	0	0	0	0	0	0	0	0	0									
NRI	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910	0.56282910									
GWI	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170	0.78678170									
Operating Cash Flow	(819)	(916)	(919)	(889)	(836)	(923)	(925)	(1,134)	(1,260)	(937)	(1,392)	(530)	(11,478)									
Capital	0	0	0	0	0	0	0	0	0	0	0	0	0									
Net Cash Flow	(819)	(916)	(919)	(889)	(836)	(923)	(925)	(1,134)	(1,260)	(937)	(1,392)	(530)	(11,478)									

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Shari Feist Albrecht, Chair  
Thomas E. Wright, Commissioner  
Jay Scott Emler, Commissioner

Sam Brownback, Governor

March 26, 2014

Sarah Rodriguez/Doug Kathol  
Chesapeake Operating, Inc.  
6200 N WESTERN AVE  
PO BOX 18496  
OKLAHOMA CITY, OK 73118-1046

Re: Plugging Application  
API 15-055-00316-00-00  
GARDEN CITY 1-13  
NE/4 Sec.13-22S-34W  
Finney County, Kansas

Dear Sarah Rodriguez/Doug Kathol:

This letter is to notify you that the Conservation Division has received your plugging proposal, form CP-1, for the above well and has reviewed the proposal for completeness. The central office will now forward your CP-1 to the district office listed below for review of the proposed plugging method. **Please contact the district office for approval of your proposed plugging method at least five (5) days before plugging the well, pursuant to K.A.R. 82-3-113(b). If a workover pit will be used during the plugging of the well it must be permitted. A CDP-1 form must be filed and approved prior to the use of the pit in accordance with K.A.R. 82-3-600.**

The Conservation Division's review of form CP-1, either in the central or district office, does not include an inquiry into well ownership or the filing operator's legal right to plug the well. This notice in no way constitutes authorization to plug the above well by persons not having legal rights of ownership or interest in the well.

**This notice is void after September 22, 2014. The CP-1 filing does not bring the above well into compliance with K.A.R 82-3-111 with regard to the Commission's temporary abandonment requirements.**

Sincerely,  
Production Department Supervisor

cc: District 1

(620) 225-8888