



KANSAS CORPORATION COMMISSION 1196406  
OIL & GAS CONSERVATION DIVISION

Form CP-1  
March 2010

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: February 24, 2014**

**RE: Plug and Abandon**

**TREKELL CARR 2  
SECTION 5-T23S-R31W  
FINNEY COUNTY, KS**

**Property Number: 730665**

**Chesapeake Energy**

**GW: 100% NRI: 84.717%**

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**Recommendation:**

The Trekell Carr 2 was producing approximately 40 MCF and 15 BW per day when it was shut in November 2013. The well was drilled in 2005 to a total depth of 4,963 feet and completed in the Krider formation. Cumulative production from this well has been 152 MMCF of natural gas.

**Discussion:**

**TREKELL CARR 2  
 Plug & Abandon  
 KRIDER  
 VERTICAL  
 2/24/2014**

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

**WELL DATA:**

**Lease:** TREKELL CARR 2                      **WI:** 1.000000    **NRI:** 0.847170

**S-T-R:** 5-T23S-R31W                      **County, St:** FINNEY, KS

**Location:** SW SW NE - 2310 FNL & 2310 FEL OF SECTION

**AFE #:** 803097    **API #:** 1505521889                      **Prop. #:** 730665                      **IP:** 110 MCF

**PBTD:** 2729 Ret    **TD:** 4,963'                      **Spudded:** 10/20/2005

**Type:** VERTICAL                      **Elevations**    **GL:** 2,895'                      **KB:** 2,902'                      **KB-GL:** 7'

**Casing and Tubing:**

SIZE	WEIGHT	GRADE	TYPE	CEMENT	TOC	SET DEPTH	
						TOP	BTM
8 5/8	24.00#	J-55	Surface Casing	250	7'	7'	434'
4 1/2	10.50#	J-55	Production Casing	675	7'	7'	4,963'
2 3/8	4.70#	J-55	Tubing			7'	2,717'

**Production Casing and Tubing Data:**

SIZE	WEIGHT	GRADE	ID	DRIFT	Bbl/Ft.	Gallons/Ft.	Burst	Collapse	Jnt St
4 1/2	10.50#	J-55	4.0520"	3.9270"	0.0159	0.66990	4,790	4,010	132
2 3/8	4.70#	J-55	1.9950"	1.9010"	0.00365	0.16240	7,700	8,100	71,730

**Well Driving Directions:**

156 hwy E to Rd CR 16 3 1/2 N E 1/2 into

**Perf'd Formations**

**Depth Range**

**Stimulation Details**

Treatable Water	1200	
Stone Corral	1985	
Krider	2679' - 2691'	1500 gal 15% NE-Fe
Lower Kansas City	4315' - 4330'	cement retainer @ 2720'
MARMATON	4797' - 4837'	500 gal 15% HCl, CIBP @ 4265' & 4700'

**NOTES:** The Trekell Carr 2 needs to be plugged by 3/22/14, or we will receive a NOV from the KCC.

Trekell Carr 2  
P&A  
February 24, 2014

## **Procedure**

1. Obtain plugging permit from the 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 4½" 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. Unpack 4 1/2" wellhead and weld on 4 1/2" pull sub. Install csg jacks and work casing to determine free point. If free point is below surface casing depth, cut and pull casing and go to step #7. If above surface casing depth, see NOTE. Cut off csg as deep as possible & lay down csg.
7. RIH w/ tbg to csg stub and spot 100' cmt plug in and out of 4 1/2" csg stub.
8. PUH with tubing. Circulate cement across the 8-5/8" csg shoe and spot 100' cement cmt plug.
9. PUH with tubing. Circulate cement across Base of Treatable Water and spot 100' cmt plug. WOC and POOH.
10. RIH with tubing and tag cement plug.. Respot more cement if necessary.
11. PUH with tbg to 34' and spot 30' cement plug (34' to 4') from surface.
12. RDMO WO unit. Cut off csg 4' below ground level and weld on ID Plate.

### **NOTE :**

If 4½" casing cannot be cut off below surface casing shoe, the 4 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.



# Current Wellbore Schematic

**WELL (PN):** TREKELL CARR 2 (730665)  
**FIELD OFFICE:** GARDEN CITY  
**FIELD:** HUGOTON  
**STATE / COUNTY:** KANSAS / FINNEY  
**LOCATION:** SEC 5-23S-31W, 2310 FNL & 2310 FEL  
**ROUTE:** GAR-KS-ROUTE 04 - DAVID ROWLAND  
**ELEVATION:** GL: 2,895.0 KB: 2,902.0 KB Height: 7.0  
**DEPTHS:** TD: 4,963.0

**API #:** 1505521889  
**Serial #:**  
**SPUD DATE:** 10/20/2005  
**RIG RELEASE:** 10/23/2005  
**1ST SALES GAS:** 12/18/2006  
**1ST SALES OIL:**  
**Current Status:** SHUTIN

VERTICAL - Original Hole, 2/24/2014 12:54:57 PM		Item Des	OD (in)	ID (in)	Drift (in)	Wt (lb/ft)	Grade	Top (ftKB)	Btm (ftKB)	Len (ft)	Jts
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">                     8 5/8 in; 0.00 lb/ft; 434.0 ftKB                 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">                     Prt Collar cmt'd to surface w/450sx Acidizing; 2,679.0-2,691.0 ftKB; 9/26/2006                 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">                     Frac; 2,679.0-2,691.0 ftKB; 9/28/2006                 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">                     Cement Retainer; 4 in; 2,729.0 ftKB                 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">                     Cemented Bridge Plug; 4 in; 4,265.0 ftKB; 2sx cmt on top                 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">                     Cemented Bridge Plug; 4 in; 4,700.0 ftKB                 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">                     Acidizing; 4,797.0-4,837.0 ftKB; 10/23/2005                 </div> <div style="border: 1px solid black; padding: 2px;">                     4 1/2 in; 10.50 lb/ft; J-55; 4,963.0 ftKB                 </div>	Zones	Tubing	2 3/8	1.995	1.901	4.70	J-55	7.0	2,710.0	2,703.00	86
		Seat Nipple	2 3/8					2,710.0	2,711.0	1.00	1
		Mud Anchor	2 3/8					2,711.0	2,717.0	6.00	1
<b>Rod String: Rod - Conventional</b>											
Set Depth (ftKB)			In Tubing String						Pull Date		
2,715.0			Tubing - Production set at 2,717.0ftKB on 9/30/2006 12:00 AM								
Item Des	OD (in)	Grade	Make	Model	Guide Des	Guides/Rod	Top (ftKB)	Btm (ftKB)	Len (ft)	Jts	
Polished Rod	1 1/8						-1.0	15.0	16.00	1	
Rod Sub	5/8						15.0	17.0	2.00	1	
Rod Sub	5/8						17.0	21.0	4.00	1	
Rod Sub	5/8						21.0	29.0	8.00	1	
Sucker Rod	5/8	D	Norris	78			29.0	2,704.0	2,675.00	107	
Rod Pump	2						2,704.0	2,714.0	10.00	1	
Gas Anchor	1						2,714.0	2,715.0	1.00	1	
<b>Perforations</b>											
Date	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Current Status						
9/15/2006		2,579.0	2,579.0								
9/26/2006	KRIDER, Original Hole	2,679.0	2,691.0	3.0							
9/22/2006		2,726.0	2,726.0								
9/15/2006		2,791.0	2,791.0								
10/23/2005	MARMATON, Original Hole	4,797.0	4,837.0								
<b>Stimulations &amp; Treatments</b>											
<b>&lt;Zone/Formation?&gt;, Stage 1, Frac, 9/28/2006</b>											
Min Top Dep...	Max Btm De...	Total Clean...	Avg Treat Pr...	Q Treat Avg...	Post ISIP (psi)	Comment					
2,679.0	2,691.0	462.00			1,150.0						
<b>&lt;Zone/Formation?&gt;, &lt;Stage Number?&gt;, Acidizing, 9/26/2006</b>											
Min Top Dep...	Max Btm De...	Total Clean...	Avg Treat Pr...	Q Treat Avg...	Post ISIP (psi)	Comment					
2,679.0	2,691.0	36.00									
Sand Size	Type	Amount	Conc (lb/gal)								
<b>&lt;Zone/Formation?&gt;, &lt;Stage Number?&gt;, Acidizing, 10/23/2005</b>											
Min Top Dep...	Max Btm De...	Total Clean...	Avg Treat Pr...	Q Treat Avg...	Post ISIP (psi)	Comment					
4,797.0	4,837.0	12.00									
<b>Well Notes</b>											
Date	Type 1	Type 2	Com								
9/15/2006	Schematic	Notes	MIRU Superior WS #6, MIRU Log-Tech, RIH w/ GR/JB to 4,350', POOH, PU CIBP w/ CCL tool, RIH to 4,265', tie into Rosel CBL, set CIBP @ 4,265', dump 2 sx cmt on top of plug, RU pump truck, load and test csg to 500#, RIH w/ gun, tie into GR/CCL strip, perforate squeeze holes @ 2,791', pull up hole, perforate squeeze holes @ 2,579', RIHw/ CICR, tie into GR/CCL, set CICR @ 2,740', RDMO Log-Tech and pump truck, RIH w/ stinger and 86 jts 2 3/8" tbg, SIW, SDFN.								
9/16/2006	Schematic	Notes	RIH w/ 1 jt tbg, tag retainer, MIRU Allied, sting into CICR, est inj rate 3 BPM @ 1200#, pump 125 sx Class "C", max PSI 1200#, displace w/ 10 BW, sting out CICR, POOH w/ tbg, hook back on 4 1/2" csg, pressure to 500#, SIW, SDFN.								

# Current Wellbore Schematic

**WELL (PN):** TREKELL CARR 2 (730665)  
**FIELD OFFICE:** GARDEN CITY  
**FIELD:** HUGOTON  
**STATE / COUNTY:** KANSAS / FINNEY  
**LOCATION:** SEC 5-23S-31W, 2310 FNL & 2310 FEL  
**ROUTE:** GAR-KS-ROUTE 04 - DAVID ROWLAND  
**ELEVATION:** GL: 2,895.0 KB: 2,902.0 KB Height: 7.0  
**DEPTHS:** TD: 4,963.0

**API #:** 1505521889  
**Serial #:**  
**SPUD DATE:** 10/20/2005  
**RIG RELEASE:** 10/23/2005  
**1ST SALES GAS:** 12/18/2006  
**1ST SALES OIL:**  
**Current Status:** SHUTIN

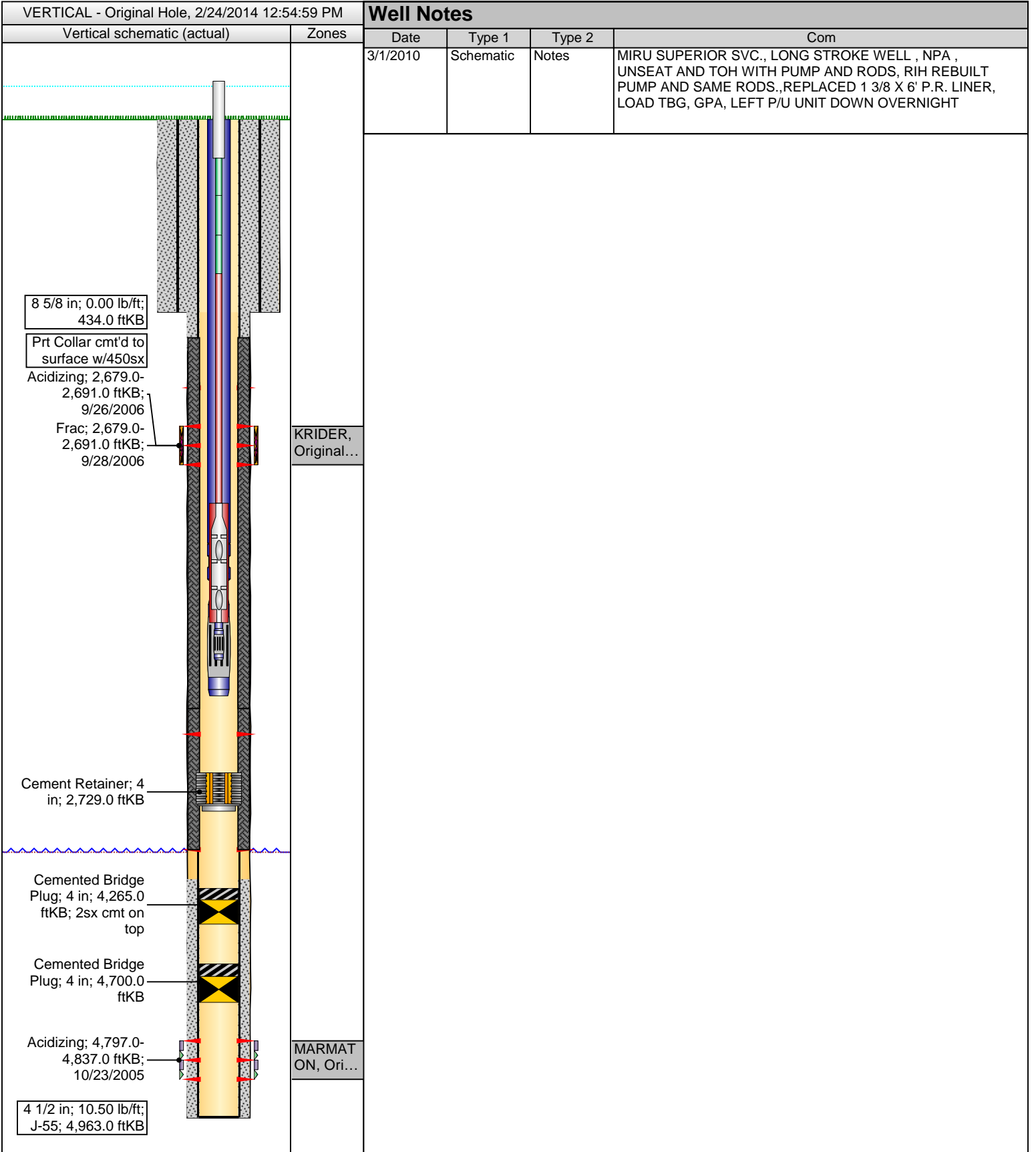
VERTICAL - Original Hole, 2/24/2014 12:54:58 PM		Well Notes			
Vertical schematic (actual)	Zones	Date	Type 1	Type 2	Com
<p>8 5/8 in; 0.00 lb/ft; 434.0 ftKB</p> <p>Prt Collar cmt'd to surface w/450sx</p> <p>Acidizing; 2,679.0-2,691.0 ftKB; 9/26/2006</p> <p>Frac; 2,679.0-2,691.0 ftKB; 9/28/2006</p> <p>Cement Retainer; 4 in; 2,729.0 ftKB</p> <p>Cemented Bridge Plug; 4 in; 4,265.0 ftKB; 2sx cmt on top</p> <p>Cemented Bridge Plug; 4 in; 4,700.0 ftKB</p> <p>Acidizing; 4,797.0-4,837.0 ftKB; 10/23/2005</p> <p>4 1/2 in; 10.50 lb/ft; J-55; 4,963.0 ftKB</p>		9/19/2006	Schematic	Notes	MIRU Heat Waves pump truck, load csg w/ 2 BF, pressure to 800#, break down pump into @ 1.5 BPM @ 500#, RIH, tag cmt @ 2,580', MIRU CF Service Supply, RIH w/ 32-A pkr and 79 jts 2 3/8" tbg, set @ 2,507', squeeze hole @ 2,579', MIRU Allied Cmt Co, load and test csg to 500#, est inj rate @ 2 BPM @ 600#, pump 50 sx Class "C" 2% CC and 50 sx Class "C" Neat, wash out lines, stage cmt squeeze 2 hrs, 10 - 1/4 bbl displacement @ 650#, reverse tbg clean, release pkr, POOH w/ tbg and pkr, hook back on 4 1/2" csg, pressure to 500#, RDMO Allied Cmt Co and CF Supply, SIW, SDFN.
		9/21/2006	Schematic	Notes	MIRU Superior WS #5, check pressure in csg, CP 100#, RIH w/ 3 7/8" bit, 6 DCs and tbg, tag TOC @ 2,504', SIW, SDFN.
		9/22/2006	Schematic	Notes	MIRU Key, tag TOC @ 2,504', drill out cmt down to 2,740', cmt drlg very hard, circ clean, pressure test to 650#, POOH w/ tbg, bit and 6 DCs, LD same, RDMO Key, MIRU Log-Tech, RIH w/ gun, tie into GR/CBL strip, RIH, shoot squeeze holes @ 2,726', RIH w/ cmt retainer, set @ 2,720', RDMO Log-Tech, SIW, SDFN.
		9/23/2006	Schematic	Notes	MIRU Allied Cmt Co, RIH, sting into CICR, load backside to 500#, est inj rate 2.5 BPM @ 1000#, pump 100 sx Class "C" cmt, 2% CC @ 1.5 BPM @ 600#, max PSI 900#, displace w/ 9.75 BW, let set 15 min, stage squeeze to 200#, let set 30 min, stage squeeze to 600#, reverse tbg clean, sting out CICR, POOH w/ tbg, SDFN.
		9/26/2006	Schematic	Notes	MIRU Log-Tech, tie into CBL/GR/CCL, MIRU pump truck, load 4 1/2" csg to 500#, run strip, repressure to 840#, run 2 strip, RDMO pump truck, RIH, perforate Krider 2,679' - 2,691' @ 3 jspf, 120° phasing, RDMO Log-Tech, RU csg swab, swab down to 2,230', MIRU CF Pkr Service, RIH w/ 2 3/8" x 4 1/2" 32-A treating pkr and 82 jts tbg, set pkr @ 2,602', MIRU Heat Waves acid truck, load tbg w/ 9 bbls, pressure up to 2100#, break back to 660#, pump 36 bbls 15% NE-Fe acid down tbg @ 3 BPM, max PSI 660# - 770#, flush w/ 10 BF @ 3 BPM, max PSI 820# - 800#, ISIP vacuum, SIW 1 hr, RU tbg swab, swab 2 hrs, IFL 1,600', rec 8 BLW, FFL 2,500'.
		9/27/2006	Schematic	Notes	SITP 120#, RU tbg swab 2 hrs, IFL 2,300', rec 5 BW, well dry, let set 30 min, good blow after run, let set 30 min, still dry, let set 1 hr, after 30 min well flowing light foam up tbg, good show of gas, SIW, SDFN.
		9/28/2006	Schematic	Notes	FRAC KRIDER: RU tbg swab, IFL 2,500', 1 run, rec. .25 bbl, LD swab, MIRU Jet Star Energy Service, test lines to 5500#, EIR down tbg 10 BPM @ 1036#, increase rate to 12 BPM, continue to pump pad stage, pad stage 70Q foamed Hydravis, 142 bbls, 12 BPM @ 1806#, 1# ppg, 70Q foamed Hydravis, 62 bbls, 12 BPM @ 1773, 2000# 16/30 Brady sand, 1.5# ppg, 70Q foamed Hydravis, 60 bbls, 12 BPM @ 1968#, 3000# 16/30 Brady sand, 2# ppg, 70Q foamed Hydravis, 53 bbls, 12 BPM @ 1994#, 4000# 16/30 Brady sand, 2.5# ppg, 70Q foamed Hydravis, 66 bbls, 12 BPM @ 1968#, 5000# 16/30 Brady sand, 3# ppg, 70Q foamed Hydravis, 33 bbls, 12 BPM @ 1973#, 3000# 16/30 Brady sand, 3# ppg, 70Q foamed Hydravis, 33 bbls, 12 BPM @ 1987#, 3000# 16/30 Brady sand, resin coated, flush 70Q Hydravis, 13 bbls, 12 BPM @ 2045#, ISIP 1150#, 5 min 800#, 10 min 730#, 15 min 680#, total N2 used 140,000 scf, total sand used 20,000# 16/30 Brady sand, total clean fluid used 159 BW, SWI, SDFN.
		10/5/2006	Schematic	Notes	Move pumping unit and water tank from Garden City yard to location, set pumping unit, SDFN.
		10/6/2006	Schematic	Notes	Pumping unit not running, 48" stroke, 8 spm, SICP 140#, blow down to 0# in 30 min, 1' water in tank, monitor production.
		12/18/2006	Schematic	Notes	First Gas Sales



# Current Wellbore Schematic

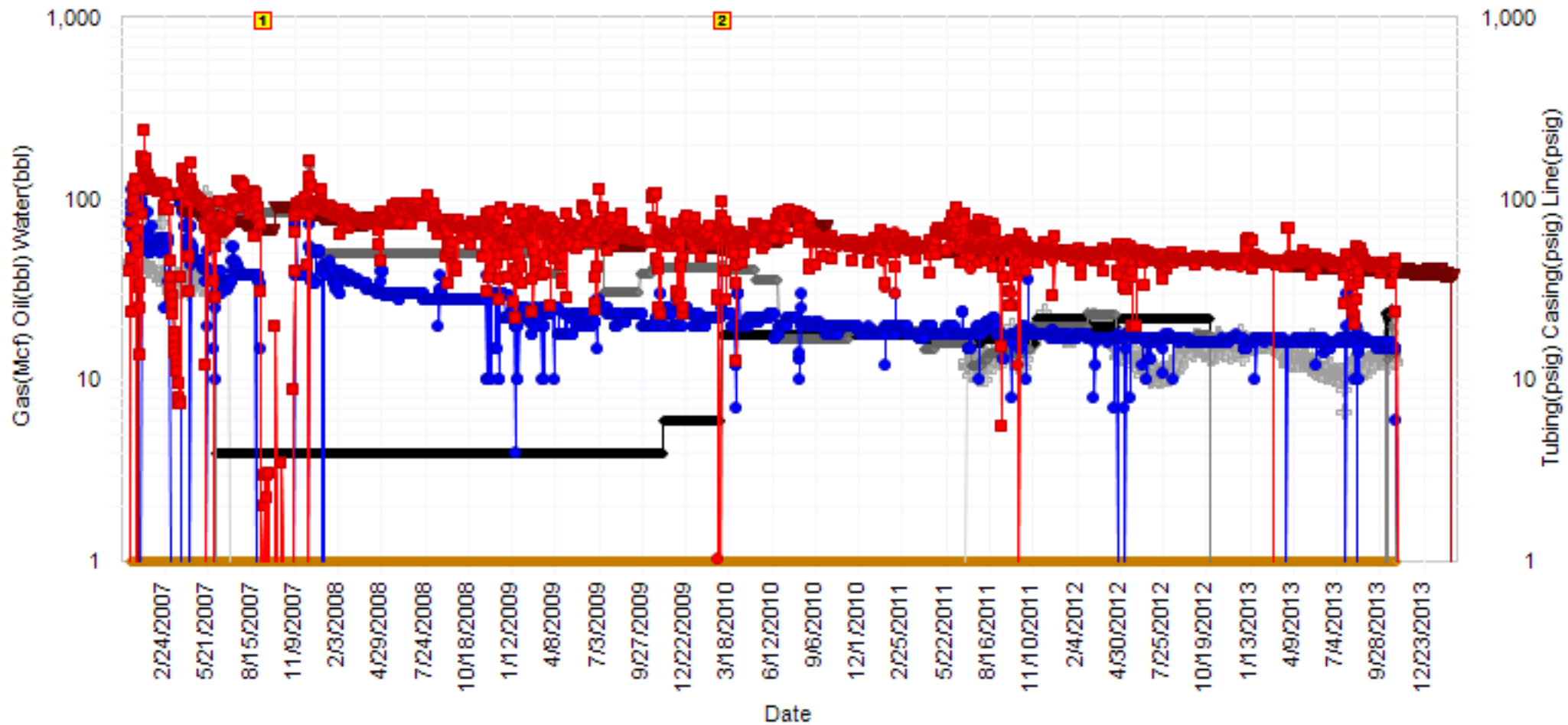
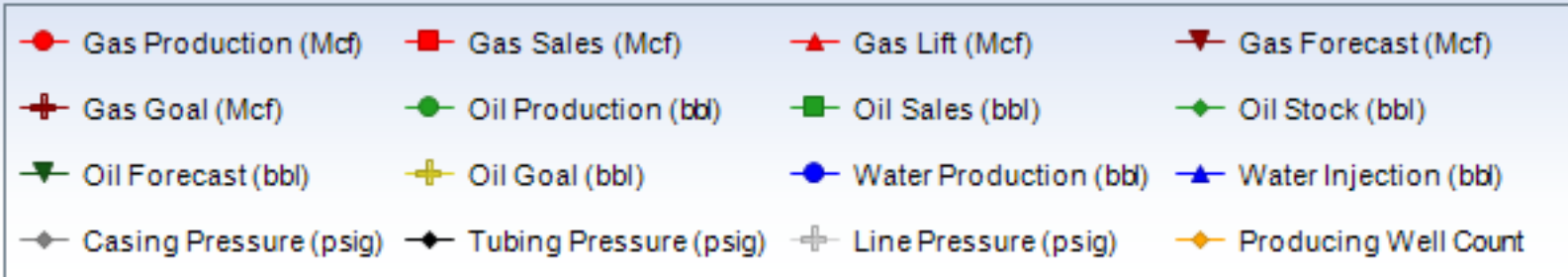
**WELL (PN):** TREKELL CARR 2 (730665)  
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**ROUTE:** GAR-KS-ROUTE 04 - DAVID ROWLAND  
**ELEVATION:** GL: 2,895.0 KB: 2,902.0 KB Height: 7.0  
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**API #:** 1505521889  
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**SPUD DATE:** 10/20/2005  
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**1ST SALES GAS:** 12/18/2006  
**1ST SALES OIL:**  
**Current Status:** SHUTIN



Zone: TREKELL CARR 2 (KRIDER)  
 in Route: GAR-KS-Route 04 - David Rowland  
 Production Engineer: Doug Kathol  
 Production Foreman: Dennis Frick

Date Range Cum Gas Prod (Mcf): 152,110  
 Date Range Cum Oil Prod (bbl): 0  
 Date Range Cum Water Prod (bbl): 57,554  
 Production Setting: Rod Pump - PU-ELC-AUTO





## Chesapeake Energy Corporation

CST Production Monitor Export

TREKELL CARR 2 (KRIDER)

1/1/1900 - 2/23/2014 | Gross Volumes | Operated Wells | 14.65 Pressure Base

Marker #	Date	Annotation	Created By	Created Date
1	9/1/2007	ONEOK - Shut-in	Doug Howeth	10/22/2008
2	3/1/2010	Workover/Failure/Pump Repair	WellviewJobInfo	3/2/2010



## 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
TREKELL CARR 2	730665	\$1.28	\$93.10	\$0.00	2,559	14,185	14,201	31,272	\$2.20	241	0	10,645	596	5,789	0	833	0	13,168	917	18,004	74	18,078
<b>Totals</b>		<b>\$1.28</b>	<b>\$93.10</b>	<b>\$0.00</b>	<b>2,559</b>	<b>14,185</b>	<b>14,201</b>	<b>31,272</b>	<b>\$2.20</b>	<b>241</b>	<b>0</b>	<b>10,645</b>	<b>596</b>	<b>5,789</b>	<b>0</b>	<b>833</b>	<b>0</b>	<b>13,168</b>	<b>917</b>	<b>18,004</b>	<b>74</b>	<b>18,078</b>

## Chesapeake Energy Corporation

CST Operations 8/8ths LOS Report

TREKELL CARR 2

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
TREKELL CARR 2	730665	\$1.28	\$93.10	\$0.00	2,559	14,185	14,201	31,272	\$2.20	241	0	10,645	596	5,789	0	833	0	13,168	917	18,004	74	18,078

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	1,412	1,243	1,371	1,391	1,433	1,608	1,664	1,391	1,373	1,315	0	0	14,201
Gas Sales	1,412	1,243	1,371	1,391	1,433	1,608	1,664	1,391	1,373	1,315	0	0	14,201
Gas Value	\$1,761	\$1,721	\$1,813	\$1,966	\$2,005	\$1,654	\$2,189	\$1,960	\$126	\$1,550	\$0	\$0	\$16,744
Gas Price	\$1.25	\$1.38	\$1.32	\$1.41	\$1.40	\$1.03	\$1.32	\$1.41	\$0.09	\$1.18	\$1.62	\$1.95	\$1.28
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	\$89.66	\$91.26	\$90.15	\$86.68	\$89.63	\$90.63	\$99.80	\$101.37	\$101.06	\$95.38	\$88.82	\$92.72	\$93.10
Royalty Burden	269	263	277	300	306	253	334	300	19	237	0	0	2,559
Royalty Percent	0.15283157	0.15283157	0.15283157	0.15283157	0.15283157	0.15283157	0.15283157	0.15283157	0.15283157	0.15283157	0.15283157	0.15283157	0.15283157
Revenue	1,492	1,458	1,536	1,665	1,698	1,401	1,854	1,660	107	1,313	0	0	14,185
MCFE	1,412	1,243	1,371	1,391	1,433	1,608	1,664	1,391	1,373	1,315	0	0	14,201
LOE Total	3,446	2,300	3,193	2,321	2,630	4,249	2,642	3,712	3,253	3,171	114	241	31,272
LOE Per MCFE	\$2.44	\$1.85	\$2.33	\$1.67	\$1.84	\$2.64	\$1.59	\$2.67	\$2.37	\$2.41	\$0.00	\$0.00	\$2.20
Ad Valorem Tax	0	0	0	0	0	0	0	0	0	0	0	241	241
Audit Charges	0	0	0	0	0	0	0	0	0	0	0	0	0
Company Labor	170	174	603	179	180	1,624	192	612	699	638	0	0	5,071
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	0	0	393
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	1,012	1,012	1,012	1,087	1,087	1,087	1,087	1,087	1,087	1,087	0	0	10,645
Pumping Service	491	434	601	499	473	513	512	666	513	499	0	0	5,201
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	0	89	0	0	0	0	507	0	0	0	0	596
Salt Water Disposal	534	533	664	452	625	691	499	694	326	771	0	0	5,789
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	252	2	1	48	3	1	131	21	1	9	0	0	469
Telemetry	32	0	72	0	0	176	69	0	63	38	0	0	450
Transportation	0	0	0	0	0	0	0	0	0	0	0	0	0
Treating Expenses	663	0	115	0	115	0	116	0	116	0	97	0	1,222
Utilities	237	104	0	0	103	102	0	89	95	86	17	0	833
Workover	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas Severance Tax	95	91	97	104	106	93	117	104	23	85	0	0	917
Oil Severance Tax	0	0	0	0	0	0	0	0	0	0	0	0	0
Severance Tax	95	91	97	104	106	93	117	104	23	85	0	0	917
IDC Monthly	0	0	0	0	0	0	0	0	0	0	0	0	0
WEQ Monthly	4	0	0	0	0	0	0	0	0	0	70	0	74
NRI	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843
GW	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000
Operating Cash Flow	(2,049)	(934)	(1,754)	(760)	(1,038)	(2,941)	(905)	(2,156)	(3,169)	(1,943)	(114)	(241)	(18,004)
Capital	4	0	0	0	0	0	0	0	0	0	70	0	74
Net Cash Flow	(2,053)	(934)	(1,754)	(760)	(1,038)	(2,941)	(905)	(2,156)	(3,169)	(1,943)	(184)	(241)	(18,078)

## 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>\$1.28</b>	<b>\$93.10</b>	<b>\$0.00</b>	<b>2,559</b>	<b>14,185</b>	<b>14,201</b>	<b>31,272</b>	<b>\$2.20</b>	<b>241</b>	<b>0</b>	<b>10,645</b>	<b>596</b>	<b>5,789</b>	<b>0</b>	<b>833</b>	<b>0</b>	<b>13,168</b>	<b>917</b>	<b>18,004</b>	<b>74</b>	<b>18,078</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		1,412	1,243	1,371	1,391	1,433	1,608	1,664	1,391	1,373	1,315	0	0	14,201								
Gas Sales		1,412	1,243	1,371	1,391	1,433	1,608	1,664	1,391	1,373	1,315	0	0	14,201								
Gas Value		\$1,761	\$1,721	\$1,813	\$1,966	\$2,005	\$1,654	\$2,189	\$1,960	\$126	\$1,550	\$0	\$0	\$16,744								
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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		\$89.66	\$91.26	\$90.15	\$86.68	\$89.63	\$90.63	\$99.80	\$101.37	\$101.06	\$95.38	\$88.82	\$92.72	\$93.10								
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Revenue		1,492	1,458	1,536	1,665	1,698	1,401	1,854	1,660	107	1,313	0	0	14,185								
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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		1,012	1,012	1,012	1,087	1,087	1,087	1,087	1,087	1,087	1,087	0	0	10,645								
Pumping Service		491	434	601	499	473	513	512	666	513	499	0	0	5,201								
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Rents And Fees		0	0	0	0	0	0	0	0	0	0	0	0	0								
Repairs & Maintenance		0	0	89	0	0	0	0	507	0	0	0	0	596								
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Telemetry		32	0	72	0	0	176	69	0	63	38	0	0	450								
Transportation		0	0	0	0	0	0	0	0	0	0	0	0	0								
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Utilities		237	104	0	0	103	102	0	89	95	86	17	0	833								
Workover		0	0	0	0	0	0	0	0	0	0	0	0	0								
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Oil Severance Tax		0	0	0	0	0	0	0	0	0	0	0	0	0								
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IDC Monthly		0	0	0	0	0	0	0	0	0	0	0	0	0								
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NRI		0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843	0.84716843								
GW		1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000								
Operating Cash Flow		(2,049)	(934)	(1,754)	(760)	(1,038)	(2,941)	(905)	(2,156)	(3,169)	(1,943)	(114)	(241)	(18,004)								
Capital		4	0	0	0	0	0	0	0	0	0	70	0	74								
Net Cash Flow		(2,053)	(934)	(1,754)	(760)	(1,038)	(2,941)	(905)	(2,156)	(3,169)	(1,943)	(184)	(241)	(18,078)								

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 27, 2014

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

Re: Plugging Application  
API 15-055-21889-00-01  
TREKELL CARR 2  
NE/4 Sec.05-23S-31W  
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 23, 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