



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 17, 2014

RE: Plug and Abandon

**MOSS GAS UNIT 1
SECTION 24-T21S-R34W
FINNEY COUNTY, KS**

Property Number: 296241

Chesapeake Energy

GW: 68.5% NRI: 55.278%

Recommendation:

This well was producing approximately 20 MCFPD when it was shut in in November 2012. The well was drilled in 1958 to a depth of 2,612' and completed in the Chase formation. Cumulative production has been 1.06 BCF of natural gas.

Discussion:

**MOSS GAS UNIT 1
 Plug & Abandon
 CHASE
 Vertical
 3/17/2014**

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

WELL DATA:

Lease: MOSS GAS UNIT 1 **WI:** 0.685000 **NRI:** 0.552780

S-T-R: 24-T21S-R34W **County, St:** FINNEY, KS

Location: C SW - 1320 FSL & 3960 FEL OF SECTION

AFE #: 803148 **API #:** 1505500203 **Prop. #:** 296241 **IP:** 519 MCF

PBTD: 2,612' **TD:** 2,612' **Spudded:** 6/12/1958

Type: Vertical **Elevations** **GL:** 2,921' **KB:** 2,923' **KB-GL:** 2'

Casing:

SIZE	WEIGHT	GRADE	TYPE	CEMENT	TOC	SET DEPTH	
						TOP	BTM
8 5/8	19.60#		Surface Casing	175	2'	2'	276'
5 1/2	13.30#	J-55	Production Casing	900	2'	2'	2,610'

Production Casing and Tubing Data:

SIZE	WEIGHT	GRADE	ID	DRIFT	Bbl/Ft.	Gallons/Ft.	Burst	Collapse	Jnt St
5 1/2	13.30#	J-55	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Well Driving Directions:

North on hwy 83 to gano rd , then 5 miles west, then 3/4 north and east into.

Perf'd Formations

Depth Range

Chase 2547' - 2572'

Stimulation Details

20,000 gal acid and 15,000# sand

NOTES: Original completion of the Moss Gas Unit 1 - no record of tubing installed, producing from casing. No other workover/completion reports available in well file or other sources.

Moss Gas Unit 1

P&A

March 17, 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.

Current Wellbore Schematic

WELL (PN): MOSS GAS UNIT 1 (296241)
FIELD OFFICE: GARDEN CITY
FIELD: Hugoton Gas Area
STATE / COUNTY: KANSAS / FINNEY
LOCATION: SEC 24-21S-34W, 1320 FSL & 3960 FEL
ROUTE: GAR-KS-ROUTE 04 - DAVID ROWLAND
ELEVATION: GL: 2,921.0 KB: 2,923.0 KB Height: 2.0
DEPTHS: TD: 2,612.0

API #: 1505500203
Serial #:
SPUD DATE: 6/12/1958
RIG RELEASE:
1ST SALES GAS: 1/1/1967
1ST SALES OIL:
Current Status: SHUTIN

VERTICAL - Original Hole, 3/17/2014 1:24:30 PM		Surface Casing; Set @ 276.0 ftKB ; Original Hole										
Vertical schematic (actual)	Zones	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 - Milled Section	8 5/8			19.60				2.0	275.0	273.00
		Shoe	8 5/8			19.60				275.0	276.0	1.00
		Production Casing; Set @ 2,610.0 ftKB ; Original Hole										
		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 - Milled Section	5 1/2			13.30	J-55			2.0	2,609.0	2,607.00
		Shoe	5 1/2							2,609.0	2,610.0	1.00
		Description: Surface Casing Cement										
		2.0-276.0										
		Top of Cement (ftKB): 2.0					Top Measurement Method:					
		Fluid	Pump Start Date	Amount (sacks)	Class	Dens (lb/gal)	Vol Pumped (bbl)	Yield (ft³/sack)				
			6/12/1958	175								
		Description: Production Casing Cement										
		2.0-2,612.0										
		Top of Cement (ftKB): 2.0					Top Measurement Method:					
		Fluid	Pump Start Date	Amount (sacks)	Class	Dens (lb/gal)	Vol Pumped (bbl)	Yield (ft³/sack)				
			6/17/1958	900								
		Perforations										
		Date	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Current Status					
		7/4/1958		2,547.0	2,572.0							
		Stimulations & Treatments										
		<Zone/Formation?>, <Stage Number?>, Frac, 7/4/1958										
		Min Top Dep...	Max Btm De...	Total Clean...	Avg Treat Pr...	Q Treat Avg...	Post ISIP (psi)	Comment				
		2,547.0	2,572.0									
		Sand Size	Type	Amount	Conc (lb/gal)							

Chesapeake Energy Corporation

CST Production Monitor Export

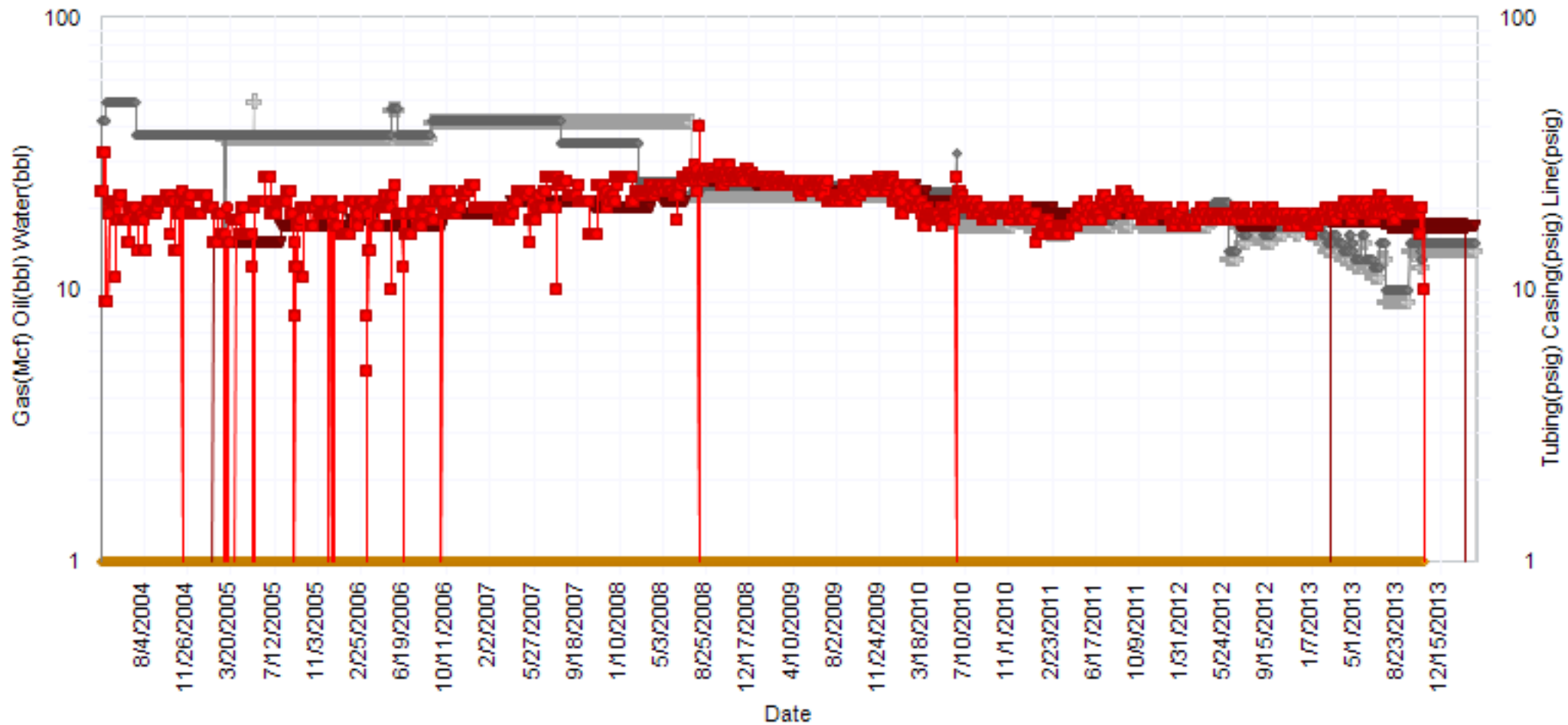
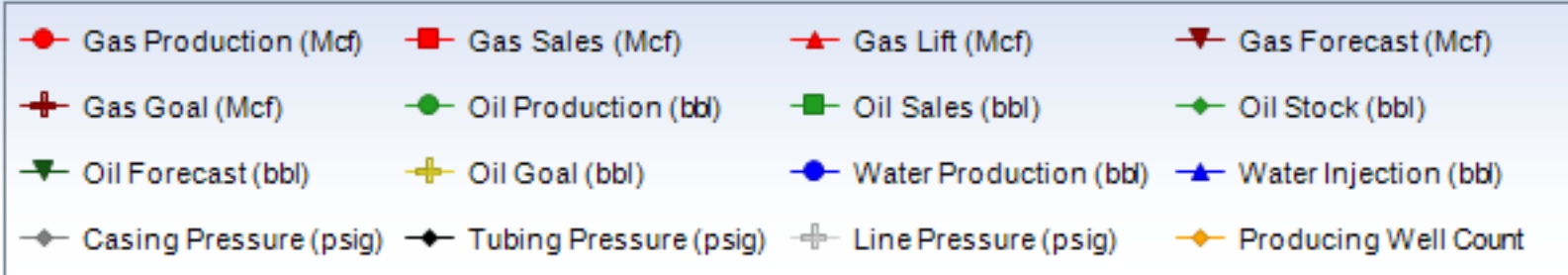
MOSS GAS UNIT 1 (CHASE)

1/1/1900 - 3/16/2014 | Gross Volumes | Operated Wells | 14.65 Pressure Base



Zone: MOSS GAS UNIT 1 (CHASE)
in Route: GAR-KS-Route 04 - David Rowland
Production Engineer: Doug Kathol
Production Foreman: Dennis Frick

Date Range Cum Gas Prod (Mcf): 71,210
Date Range Cum Oil Prod (bbl): 0
Date Range Cum Water Prod (bbl): 0
Production Setting: Flowing Well - Flowing





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
MOSS GAS UNIT 1	296241	\$1.76	\$92.82	\$0.00	1,817	7,598	5,592	16,428	\$2.94	143	0	5,964	16	0	0	0	0	10,305	485	9,315	0	9,315
Totals		\$1.76	\$92.82	\$0.00	1,817	7,598	5,592	16,428	\$2.94	143	0	5,964	16	0	0	0	0	10,305	485	9,315	0	9,315

Chesapeake Energy Corporation

CST Operations 8/8ths LOS Report

MOSS GAS UNIT 1

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	
MOSS GAS UNIT 1	296241	\$1.76	\$92.82	\$0.00	1,817	7,598	5,592	16,428	\$2.94	143	0	5,964	16	0	0	0	0	0	10,305	485	9,315	0	9,315

Line Item	01/2013	02/2013	03/2013	04/2013	05/2013	06/2013	07/2013	08/2013	09/2013	10/2013	12/2013	Total
Gas Revenue Volume	565	484	558	517	571	581	579	594	590	553	0	5,592
Gas Sales	565	484	558	517	571	581	579	594	590	553	0	5,592
Gas Value	\$985	\$854	\$956	\$971	\$1,077	\$689	\$941	\$1,046	\$1,004	\$890	\$0	\$9,415
Gas Price	\$1.74	\$1.76	\$1.71	\$1.88	\$1.89	\$1.19	\$1.62	\$1.76	\$1.70	\$1.61	\$2.46	\$1.76
Oil Revenue Volume	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
Oil Value	\$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	\$92.06	\$92.82
Royalty Burden	190	165	185	187	208	133	182	202	194	172	0	1,817
Royalty Percent	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063
Revenue	795	689	772	784	869	556	759	844	811	718	0	7,598
MCFE	565	484	558	517	571	581	579	594	590	553	0	5,592
LOE Total	2,399	1,233	1,383	2,007	1,309	1,357	1,350	1,529	1,674	1,614	573	16,428
LOE Per MCFE	\$4.25	\$2.55	\$2.48	\$3.88	\$2.29	\$2.34	\$2.33	\$2.57	\$2.84	\$2.92	\$0.00	\$2.94
Ad Valorem Tax	0	0	0	0	0	0	0	0	0	0	143	143
Audit Charges	0	0	0	0	0	0	0	0	0	0	0	0
Company Labor	1,112	607	779	678	653	692	704	863	711	704	430	7,933
Compression	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
Field Facilities	53	37	32	41	40	40	35	35	38	42	0	393
Fuel Water Lube	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
Insurance	0	0	0	0	0	0	0	0	314	0	0	314
Oil Processing	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	48
Overhead	567	567	567	609	609	609	609	609	609	609	0	5,964
Pumping Service	0	0	0	0	0	0	0	0	0	0	0	0
Regulatory	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
Repairs & Maintenance	0	16	0	0	0	0	0	0	0	0	0	16
Salt Water Disposal	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
Subsurface Repairs	0	0	0	0	0	0	0	0	0	0	0	0
Supplies	3	2	1	48	3	1	1	21	1	258	0	339
Telemetry	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
Treating Expenses	662	0	0	616	0	0	0	0	0	0	0	1,278
Utilities	0	0	0	0	0	0	0	0	0	0	0	0
Workover	0	0	0	0	0	0	0	0	0	0	0	0
Gas Severance Tax	50	44	49	49	55	38	49	53	52	46	0	485
Oil Severance Tax	0	0	0	0	0	0	0	0	0	0	0	0
Severance Tax	50	44	49	49	55	38	49	53	52	46	0	485
IDC Monthly	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
NRI	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087
GW	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000
Operating Cash Flow	(1,654)	(588)	(660)	(1,272)	(494)	(838)	(640)	(738)	(915)	(942)	(573)	(9,315)
Capital	0	0	0	0	0	0	0	0	0	0	0	0
Net Cash Flow	(1,654)	(588)	(660)	(1,272)	(494)	(838)	(640)	(738)	(915)	(942)	(573)	(9,315)

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	
Totals		\$1.76	\$92.82	\$0.00	1,817	7,598	5,592	16,428	\$2.94	143	0	5,964	16	0	0	0	0	0	10,305	485	9,315	0	9,315
Line Item	01/2013	02/2013	03/2013	04/2013	05/2013	06/2013	07/2013	08/2013	09/2013	10/2013	12/2013	Total											
Gas Revenue Volume	565	484	558	517	571	581	579	594	590	553	0	5,592											
Gas Sales	565	484	558	517	571	581	579	594	590	553	0	5,592											
Gas Value	\$985	\$854	\$956	\$971	\$1,077	\$689	\$941	\$1,046	\$1,004	\$890	\$0	\$9,415											
Gas Price	\$1.74	\$1.76	\$1.71	\$1.88	\$1.89	\$1.19	\$1.62	\$1.76	\$1.70	\$1.61	\$2.46	\$1.76											
Oil Revenue Volume	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											
Oil Value	\$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	\$92.06	\$92.82											
Royalty Burden	190	165	185	187	208	133	182	202	194	172	0	1,817											
Royalty Percent	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063	0.19302063											
Revenue	795	689	772	784	869	556	759	844	811	718	0	7,598											
MCFE	565	484	558	517	571	581	579	594	590	553	0	5,592											
LOE Total	2,399	1,233	1,383	2,007	1,309	1,357	1,350	1,529	1,674	1,614	573	16,428											
LOE Per MCFE	\$4.25	\$2.55	\$2.48	\$3.88	\$2.29	\$2.34	\$2.33	\$2.57	\$2.84	\$2.92	\$0.00	\$2.94											
Ad Valorem Tax	0	0	0	0	0	0	0	0	0	0	143	143											
Audit Charges	0	0	0	0	0	0	0	0	0	0	0	0											
Company Labor	1,112	607	779	678	653	692	704	863	711	704	430	7,933											
Compression	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											
Field Facilities	53	37	32	41	40	40	35	35	38	42	0	393											
Fuel Water Lube	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											
Insurance	0	0	0	0	0	0	0	0	314	0	0	314											
Oil Processing	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	48											
Overhead	567	567	567	609	609	609	609	609	609	609	0	5,964											
Pumping Service	0	0	0	0	0	0	0	0	0	0	0	0											
Regulatory	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											
Repairs & Maintenance	0	16	0	0	0	0	0	0	0	0	0	16											
Salt Water Disposal	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											
Subsurface Repairs	0	0	0	0	0	0	0	0	0	0	0	0											
Supplies	3	2	1	48	3	1	1	21	1	258	0	339											
Telemetry	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											
Treating Expenses	662	0	0	616	0	0	0	0	0	0	0	1,278											
Utilities	0	0	0	0	0	0	0	0	0	0	0	0											
Workover	0	0	0	0	0	0	0	0	0	0	0	0											
Gas Severance Tax	50	44	49	49	55	38	49	53	52	46	0	485											
Oil Severance Tax	0	0	0	0	0	0	0	0	0	0	0	0											
Severance Tax	50	44	49	49	55	38	49	53	52	46	0	485											
IDC Monthly	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											
NRI	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087	0.55278087											
GW	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000	0.68500000											
Operating Cash Flow	(1,654)	(588)	(660)	(1,272)	(494)	(838)	(640)	(738)	(915)	(942)	(573)	(9,315)											
Capital	0	0	0	0	0	0	0	0	0	0	0	0											
Net Cash Flow	(1,654)	(588)	(660)	(1,272)	(494)	(838)	(640)	(738)	(915)	(942)	(573)	(9,315)											

STATE OF KANSAS - CORPORATION COMMISSION
 ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
 8-7-58

TYPE TEST: Deliverability Open Flow TEST DATE: 12-23-91

COMPANY: Petroleum Inc. LEASE: Mos Gas Unit WELL NO.: 1

COUNTY: Finney LOCATION: SECTION 24 TWP 215 RMO 34W ACRES

FIELD: Hugoton RESERVOIR: Chase Group PIPELINE CONNECTION: N.N.G.

COMPLETION DATE: PLUG BACK TOTAL DEPTH: PACKER SET AT: None

CASING SIZE: 5 1/2 WT. 15.5 I.D. 4.950 SET AT: PERF. 2516 TO: 2576

TUBING SIZE: None WT. I.D. SET AT: PERF. TO:

TYPE COMPLETION (Describe): Single String TYPE FLUID PRODUCTION: None

PRODUCING THRU: Casing RESERVOIR TEMPERATURE: BAR. PRESS - P_a: 14.4 Psia

GAS GRAVITY - G_g: % CARBON DIOXIDE: % NITROGEN: API GRAVITY OF LIQUID:

VERTICAL DEPTH (H): TYPE METER CONN.: Flange (METER RUN) (PROVER) SIZE: 4.0

SHUT-IN PRESSURE: SHUT IN 12-20 19 91 AT 10:15 (AM)(PM) TAKEN 12-23 19 91 AT 10:10 (AM)(PM)

FLOW TEST: STARTED 21-17 19 91 AT 10:00 (AM)(PM) TAKEN 12-20 19 91 AT 9:55 (AM)(PM)

OBSERVED DATA DURATION OF SHUT-IN _____ HR.

SHUT-IN OR FLOW	ORIFICE SIZE In.	(METER) PRESSURE psig	DIFF. In. (h _w Xh _d)	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASING WELL-HEAD PRESS.		TUBING WELL-HEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w)(P _i)(P _c) psia	psig	(P _w)(P _i)(P _c) psia		
SHUT-IN						104.2	118.6				
FLOW	4X0.75	86.3	6.0			86.3	100.7				

RATE OF FLOW CALCULATIONS

COEFFICIENT (P _i)(P _d) / (P _e) ²	(METER) PRESSURE psia	EXTENSION √P _m h _w	GRAVITY FACTOR P _g	FLOWING TEMP. P _t	DEVIATION FACTOR P _{pv}	RATE OF FLOW R Mcfd	GOR	G _m
3.2921	100.7	24.580				81		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_e)² = 14.066 ; (P_w)² = 10.140 ; P_d = 87.6 psig ; (P_c - 14.4) + 14.4 = _____ ; (P_e)² = 0.207 ; (P_d)² = 10.404

(P _e) ² - (P _d) ² / (P _e) ² - (P _w) ²	(P _e) ² - (P _w) ²	[P _c ² - P _e ²] / [P _c ² - P _w ²]	LOG []	*n*	n x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY R x ANTILOG Mcfd
13.9	3.9	3.564	0.5520	0.850	0.4692	2.945	238
3.662	3.926	0.9328	-0.0302		-0.0257	0.9426	76

OPEN FLOW Mcfd @ 14.65 psia DELIVERABILITY Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Executed this the 30th. day of December, 1991.

James R. Kapp
 Witness (if any)

N.L.S. INC.
 For Company
 Jay Boland
 Checked by



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 31, 2014

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

Re: Plugging Application
API 15-055-00203-00-00
MOSS GAS UNIT 1
SW/4 Sec.24-21S-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 27, 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