



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1071968
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1071968

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Chesapeake Operating, Inc.
Well Name	Michael 6-32-17 1 SWD
Doc ID	1071968

All Electric Logs Run

Array Compensated True Resistivity
Dual Spaced Neutron Spectral Density Microlog
Corrected Dual Spaced Neutron Spectral Density Microlog
Mud Log

Form	ACO1 - Well Completion
Operator	Chesapeake Operating, Inc.
Well Name	Michael 6-32-17 1 SWD
Doc ID	1071968

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	24	20	75	120	Class A Type 1	168	
Surface	13.375	12.25	54.5	950	J-55 BTC	860	
Intermediate	12.25	9.6250	40	5461	K-55 BTC	375	DV Tool-5459
Production Tubing	8.75	7	23	5980	J-55	0	(FC-5938)

Notice of Conductor Pipe Installation

Installation Company Information

Firm Name	Elite Drilling, LLC.
Mailing Address	3105 Bent Creek Drive
City	Woodward
State	OK
Zip	73801

Well Operator Information

Operator name	Chesapeake Operating, Inc.
Mailing Address	Rt. 1 Box 5-A
City	Waynoka
State	OK
Zip	73860

Well Information

Well Name	Michael 6-32-17-1 SWD
Legal location	Sec. 6-32S-17W
Footage	
County	Comanche, KS

Installation Details

Pipe Size	20"
Depth	120'
Completion Method	Displacement
Date installed	12/4/2011
Cement	18 yds Class A Type 1

The Road to Excellence Starts with Safety

Sold To #: 344659	Ship To #: 2895275	Quote #:	Sales Order #: 9131280
Customer: CHESAPEAKE OPERATING INC EBUSINESS		Customer Rep: Prater, Josh	
Well Name: Michael 6-32-17	Well #: 1 SWD	API/UWI #:	
Field:	City (SAP): COLDWATER	County/Parish: Comanche	State: Kansas
Legal Description: Section 31 Township 34S Range 16W			
Contractor: Nomac Drilling *		Rig/Platform Name/Num: Nomac 115	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: CRAWFORD, ROBERT		Srvc Supervisor: BURGESS, JONATHAN	MBU ID Emp #: 492943

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BURGESS, JONATHAN Jesse	13.5	492943	LUONG, JOHN M	13.5	497077	MILLER, ELWOOD W	13.5	459317
PORTILLO, CESAR	13.5	457847	TORRES, CLEMENTE	13.5	344233			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12/13/11	12	1.5	12/14/11	1.5	0			
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					13 - Dec - 2011	06:30	CST
Form Type			BHST	On Location	13 - Dec - 2011	12:00	CST
Job depth MD	946. ft		Job Depth TVD	Job Started	13 - Dec - 2011	22:35	CST
Water Depth			Wk Ht Above Floor	Job Completed	14 - Dec - 2011	00:00	CST
Perforation Depth (MD)	From		To	Departed Loc	14 - Dec - 2011	01:30	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Surface Open Hole				17.5				80.	950.		
Preset Conductor	Unknown		20.	19.124	94.				80.		
Surface Casing	Unknown		13.375	12.615	54.5	BTC			950.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	13.325	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	13.325	1	HES
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	HLC STANDARD	EXTENDACEM (TM) SYSTEM (452981)	710.0	sacks	12.4	2.13	11.79		11.79
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.792 Gal	FRESH WATER							
2	STANDARD	HALCEM (TM) SYSTEM (452986)	150.0	sacks	15.6	1.2	5.3		5.3
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	5.298 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	140	Shut In: Instant	900	Lost Returns	0	Cement Slurry	301	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	50	Actual Displacement	140	Treatment	
Frac Gradient		15 Min		Spacers	0	Load and Breakdown		Total Job	441
Rates									
Circulating	5	Mixing	7	Displacement	8	Avg. Job	7		
Cement Left In Pipe	Amount	40 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature: <i>Fernando Valenzuela</i> FERNANDO VALENZUELA					

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 344659	Ship To #: 2895275	Quote #:	Sales Order #: 9131280
Customer: CHESAPEAKE OPERATING INC EBUSINESS		Customer Rep: Prater, Josh	
Well Name: Michael 6-32-17	Well #: 1 SWD	API/UWI #:	
Field:	City (SAP): COLDWATER	County/Parish: Comanche	State: Kansas
Legal Description: Section 31 Township 34S Range 16W			
Lat:		Long:	
Contractor: Nomac Drilling *		Rig/Platform Name/Num: Nomac 115	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: CRAWFORD, ROBERT		Srvc Supervisor: BURGESS, JONATHAN	MBU ID Emp #: 492943

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/13/2011 06:30							
Depart Yard Safety Meeting	12/13/2011 08:15							ALL HES HANDS
Depart from Service Center or Other Site	12/13/2011 08:30							
Arrive at Location from Service Center	12/13/2011 12:00							
Other	12/13/2011 12:05							DISCUSSED JOB WITH CUSTOMER AND GET WORK ORDER CONTRACT SIGNED
Other	12/13/2011 12:10							WAIT ON CASING CREW
Safety Meeting - Pre Rig-Up	12/13/2011 20:00							ALL HES HANDS
Rig-Up Equipment	12/13/2011 20:15							
Circulate Well	12/13/2011 20:30							USED HES IRON AND SWAGE
Safety Meeting - Pre Job	12/13/2011 21:50							ALL HES HANDS, RIG CREW, AND COMPANY MAN
Other	12/13/2011 22:00							STAB HEAD 8 FT FROM FLOOR AND FINISH RIG-UP ON FLOOR
Pressure Test	12/13/2011 22:35						1500.0	1500 PSI
Pump Lead Cement	12/13/2011 22:40		7	269	269		325.0	HLC STANDARD @ 12.4 PPG
Pump Tail Cement	12/13/2011 23:15		7	32	301		375.0	STANDARD @ 15.6 PPG
Drop Top Plug	12/13/2011 23:25							

Sold To #: 344659

Ship To #: 2895275

Quote #:

Sales Order #:

9131280

SUMMIT Version: 7.2.27

Wednesday, December 14, 2011 12:43:00

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement - Start	12/13/2011 23:26		8	140			80.0	WATER
Displ Reached Cmnt	12/13/2011 23:28						300.0	
Slow Rate	12/13/2011 23:42		2		431		530.0	LAST 10 BBLs OF DISPLACEMENT
Bump Plug	12/13/2011 23:47				441		900.0	500 PSI OVER
Check Floats	12/13/2011 23:49							1 BBL BACK
Other	12/13/2011 23:55							WASHED OUT CONDUCTOR
Safety Meeting - Pre Rig-Down	12/14/2011 00:00							ALL HES HANDS
Rig-Down Equipment	12/14/2011 00:10							
Other	12/14/2011 00:45							DISCUSS JOB RESULTS WITH CUSTOMER AND GET TICKET SIGNED
Depart Location Safety Meeting	12/14/2011 01:15							ALL HES HANDS
Depart Location for Service Center or Other Site	12/14/2011 01:30							

Sold To # : 344659

Ship To # : 2895275

Quote # :

Sales Order # :

9131280

SUMMIT Version: 7.2.27

Wednesday, December 14, 2011 12:43:00

The Road to Excellence Starts with Safety

Sold To #: 344659	Ship To #: 2895275	Quote #:	Sales Order #: 9186496
Customer: CHESAPEAKE OPERATING INC EBUSINESS		Customer Rep: Prater, Josh	
Well Name: Michael 6-32-17	Well #: 1 SWD	API/UWI #:	
Field:	City (SAP): COLDWATER	County/Parish: Comanche	State: Kansas
Legal Description: Section 31 Township 34S Range 16W			
Contractor: Nomac Drilling *		Rig/Platform Name/Num: Nomac 115	
Job Purpose: Cement Multiple Stages			
Well Type: Development Well		Job Type: Cement Multiple Stages	
Sales Person: CRAWFORD, ROBERT	Svc Supervisor: WALTON, SCOTTY	MBU ID Emp #: 478229	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HILL, RICKEY Lester	11	457261	OTTO, STEVEN Byron	11	505532	SYMES, CLINT Mitchell	11	511431
TURNER, DANIEL J	11	461812	WALTON, SCOTTY Dwayne	11	478229			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12-28-11	11	4.5						
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	28 - Dec - 2011	09:45	CST
Job depth MD	5980. ft		Job Depth TVD	Job Started	28 - Dec - 2011	14:30	CST
Water Depth			Wk Ht Above Floor	Job Completed	28 - Dec - 2011	19:08	CST
Perforation Depth (MD) From			To	Departed Loc	28 - Dec - 2011	20:28	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Intermediate Casing Open Hole Lower				12.25				5480.	5980.		
Intermediate Open Hole Weatherford Stage tool	Unknown			12.25				950.	5480.	950.	5480.
Intermediate Casing	Unknown		9.625	8.835	40.	BTC	K-55		5980.		5980.
Surface Casing	Unknown		13.375	12.615	54.5	BTC			950.		

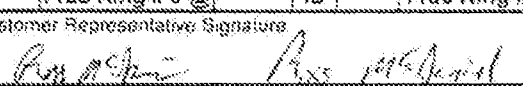
Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Cementing Job Summary

Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water		10.00	bbl	9.	.0	.0	.0	
2	Primary Cement	VERSACEM (TM) SYSTEM (452010)	90.0	sacks	12.5	2.03	10.09		10.09
	10 %	CAL-SEAL 60, BULK (100064022)							
	0.5 %	HALAD(R)-9, 50 LB (100001617)							
	0.2 %	WG-17, 50 LB SK (100003623)							
	0.5 %	D-AIR 5000, 50 LB SACK (102068797)							
	5 lbm	KOL-SEAL, BULK (100064233)							
	10.087 Gal	FRESH WATER							
Stage/Plug #: 2									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom
1	Fresh Water		10.00	bbl	8.33	.0	.0	.0	
2	Versablend	VERSACEM (TM) SYSTEM (452010)	285.0	sacks	12.5	2.03	10.09		10.09
	10 %	CAL-SEAL 60, BULK (100064022)							
	0.5 %	HALAD(R)-9, 50 LB (100001617)							
	0.2 %	WG-17, 50 LB SK (100003623)							
	0.5 %	D-AIR 5000, 50 LB SACK (102068797)							
	5 lbm	KOL-SEAL, BULK (100064233)							
	10.087 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signatures					
									

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/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

March 30, 2012

Aletha Dewbre
Chesapeake Operating, Inc.
6200 N WESTERN AVE
PO BOX 18496
OKLAHOMA CITY, OK 73118-1046

Re: ACO1
API 15-033-21600-00-00
Michael 6-32-17 1 SWD
NW/4 Sec.06-32S-17W
Comanche County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Aletha Dewbre