

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
September 1999
Form Must Be Typed

*KCC
MCM
5/22/08*

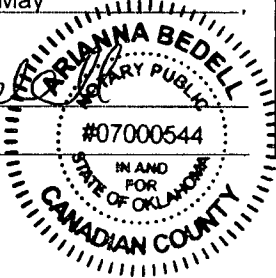
Operator: License # #32334
Name: Chesapeake Operating, Inc.
Address: P. O. Box 18496
City/State/Zip: Oklahoma City, OK 73154-0496
Purchaser: _____
Operator Contact Person: Doug Howeth/Aletha Dewbre-King
Phone: (405) 879-9275
Contractor: Name: _____
License: _____
Wellsite Geologist: _____
Designate Type of Completion:
____ New Well ____ Re-Entry Workover
 Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)
If Workover/Re-entry: Old Well Info as follows:
Operator: Chesapeake Operating, Inc.
Well Name: Brownell C 3-1
Original Comp. Date: 12/8/1988 Original Total Depth: 6,350
____ Deepening ____ Re-perf. ____ Conv. to Enhr./SWD
____ Plug Back ____ Plug Back Total Depth
 Commingled Docket No. _____
____ Dual Completion Docket No. _____
____ Other (SWD or Enhr.?) Docket No. _____
2/20/2008 3/4/2008
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 189-21254-0001
County: Stevens
C SE SE Sec. 1 Twp. 32 S. R. 35 East West
660 FSL feet from S / N (circle one) Line of Section
660 FEL feet from E / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Brownell C Well #: 3-1
Field Name: 168-Hugoton
Producing Formation: Morrow, Chester
Elevation: Ground: 2,915 Kelly Bushing: 2,931
Total Depth: 6,350 Plug Back Total Depth: 6,281
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 60-Dg-w/6-26-08 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 No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Doug Howeth by Aletha Dewbre-King
Title: Production Engineer Date: 5/12/2008
Subscribed and sworn to before me this 12th day of May
20 08.
Notary Public: Arianna Beedell
Date Commission Expires: 01-22-2011



KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
Jim H.
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MAY 13 2008

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Chesapeake Operating, Inc. Lease Name: Brownell C Well #: 3-1
Sec. 1 Twp. 32 S. R. 35 East West County: Stevens

INSTRUCTIONS: Show important tops and base 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. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
(Attach Additional Sheets)
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run Yes No
(Submit Copy)
List All E. Logs Run:

Log Formation (Top), Depth and Datum Sample
Name Top Datum

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
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	
4	Upper Chester 5,996' - 6,002'	Frac w/ 70% N2 borate foam w/ 60M lbs	
4	Lower Chester 6,045' - 6,053'	of 12/20 Ottawa Sand	

TUBING RECORD Size 2 7/8" Set At 6,144' Packer At Liner Run Yes No

Date of First, Resumerd Production, SWD or Enhr. 3/5/2008 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 45 Bbls. Gas 50 Mcf Water 6 Bbls. Gas-Oil Ratio 1:1 Gravity 50

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease (If vented, Submit ACO-18.) Open Hole Perf. Dually Comp. Commingled Morrow
 Other (Specify)

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CONSERVATION DIVISION
WICHITA, KS

LOG-TECH OF KANSAS, INC.
 86 SW 10 AVE.
 GREAT BEND, KANSAS 67530
 (620) 792-2167

INVOICE

5249

Date 2-22-08

CHARGE TO: Chesapeake Operating
 ADDRESS _____
 R/A SOURCE NO. _____ CUSTOMER ORDER NO. _____
 LEASE AND WELL NO. Brownell C3-1 FIELD _____
 NEAREST TOWN _____ COUNTY Stevens STATE KS
 SPOT LOCATION _____ SEC. 301 TWP. 32S RANGE 35W
 ZERO 16' AGL CASING SIZE 5 1/2" WEIGHT _____
 CUSTOMER'S T.D. _____ LOG TECH _____ FLUID LEVEL 5100'
 ENGINEER Lee Bratz OPERATOR Jake Fryberger

PERFORATING				
Description	No. Shots	From	Depth To	Amount
Owen H5C 4000-317	24	5996	6002	
" " " "	33	6045	6053	

DEPTH AND OPERATIONS CHARGES					
Description	Depth From	Depth To	Total No. Ft.	Price Per Ft.	Amount

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 CONSERVATION DIVISION
 WICHITA, KS

MISCELLANEOUS		
Description	Quantity	Amount
Service Charge	1	

PRICES SUBJECT TO CORRECTION BY BILLING DEPARTMENT

RECEIVED THE ABOVE SERVICES ACCORDING TO THE TERMS AND CONDITIONS SPECIFIED ON THE REVERSE SIDE TO WHICH WE HEREBY AGREE.

RECEIVED
 MAR 06 2008
 Code Ref. **IMAGING**
 Sub Total _____
 Tool Insurance _____
 Tax _____

Lee Bratz 2/22/08
 Customer Signature Date



Pratt

PAGE 2 of 2	CUST NO 1970-CHE007	INVOICE DATE 02/28/2008
INVOICE NUMBER 1970001541		

B CHESAPEAKE OPERATING, INC.
I P O BOX 548806
L
T OKLAHOMA CITY OK 73154-8806
O ATTN: ANTOINE

J LEASE NAME Brownell
O WELL NO. C 3-1
B COUNTY Stevens
S STATE KS
I JOB DESCRIPTION Frac Job on Formation
T JOB CONTACT ANTOINE
E

EDI INVOICE

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
1970-01552	302		Net 30 DAYS	03/29/2008	
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
Miscellaneous		2,100.00	EA		15.00 T
8.1 to 12 ppg, Proppant Concentration Charge					
Pickup		140.00	Hour	50	50 T
Unit Mileage Charge(Pickups, Vans, or Cars)					
Additives		1.00	EA	.71	17
B-15L, Enzyme Breaker					
Additives		1.00	EA	63.40	
Bio-3, Powdered Biocide					
Additives		2.00	EA	65.00	
CC2-Clay Stabilizer					
Additives		51.00	EA	45.00	
FA-1, Foamer					
Additives		2,171.00	EA	1.20	2,256.50
KCl, Potassium Chloride					
Additives		29.00	EA	39.00	1,131.00
S-2, Premium Surfactant					
Chemical		9,300.00	EA		
ProFac 2000					
Chemical		3,700.00	EA		0
ProGel 200					
Sand		600.00	SJ	0.00	
12-20 Mesh Ottawa Sand					
Supervisor		1.00	Hour		15.00 T
Service Supervisor Charge					

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MAR 04 2008
IMAGING

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PLEASE REMIT TO: BASIC ENERGY SERVICES, LP PO BOX 841903 DALLAS, TX 75284-1903	SEND OTHER CORRESPONDENCE TO: BASIC ENERGY SERVICES, LP PO BOX 10460 MIDLAND, TX 79702	BID DISCOUNT SUBTOTAL TAX INVOICE TOTAL	22,009.04 2,256.50 1,131.00
------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------	-----------------------------------

BASIC

energy services, L.P.

FIELD ORDER 17548

Subject to Correction

Date 2-25-08	Customer ID	Lease BROWELL	Well # C3-1	Legal 1-325-35W
CHESA PEAKE OPERATING		County STEVENS	State Ks	Station PRATT
		Depth	Formation CHESTER	Shoe Joint N/A OW
		Casing 5 1/2	Casing Depth 6231	TD
		Customer Representative STEVE EMECK		Tractor J. WESTERMAN / T. SEGA
		Job Type 750 Foam Frac		

AFE Number	PO Number	Materials Received by X <i>[Signature]</i>	DLS
------------	-----------	---------------------------------------------------	------------

Station Code	Product Code	QUANTITY	MATERIALS, EQUIPMENT, and SERVICES USED	UNIT PRICE	AMOUNT
P	SY 131	9300	GAL PROFRAC 2000	-	
P	SY 151	3700	GAL PROCEL 2000	-	
P	C2307	29	GAL S-2	-	
P	C700	2171	lb KCL POTASSIUM CHLORIDE	-	
P	C1208	51	GAL FA-1 FOAMER	-	
P	C501	1	GAL B-15L ENZYME BREAKER	-	
P	C604	1	lb BDD-3	-	
P	C707	2	GAL CC-2	-	
P	PC208	600	cwt 12/20 OTTAWA SAND	-	
P	E101	340	mc Heavy Veh Mileage	-	
P	E534	1	EA 2250 HHP Quintuplex Foam Frac Pump	-	
P	BP201	1	EA Foam Blender 11-20 BPM	-	
P	E113	4200	TM PROPAINT & BULK DELIVERY	-	
P	E711	2	CHEMICAL PUMP	-	
P	P301	600	cwt 16/30 mesh or larger	-	
P	E707	1	4" FRAC VALVE RENTAL	-	
P	T101	1	TREATVAN	-	
P	E100	140	mt Unit Mileage CHARGE PU	-	
P	E729	1	EA DENSITOMETER	-	
P	P900	1500	GAL 1-4.0 PROP CONC CHARGE	-	
P	P901	1500	GAL 4.1-8.0 PROP CONC CHARGE	-	
P	P902	2100	GAL 8.1-12.0 PROP CONC CHARGE	-	
P	P903	1900	GAL 12.1-20 PROP CONC CHARGE	-	
P	E800	1	EA Cambelt SAND LIZARD	-	
P	S003	1	EA SERVICE SUPERVISOR	-	
P	E744	1	EA SAFETY CHECK VALVE	-	
DISCOUNTS PRICED =					
+ TAXES					

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WICHITA, KS

county
5/13/08
pel

TREATMENT REPORT

Customer: Chesapeake	Lease No.:	Date: 2-25-08
Lease: Brownell	Well #: C-31	
Field Order #: 7548	Station: Pratt	Casing: Depth: County: Stevens State: KS
Type Job: 70% N2 foam frac	Formation: Chester	Legal Description: 1-32535

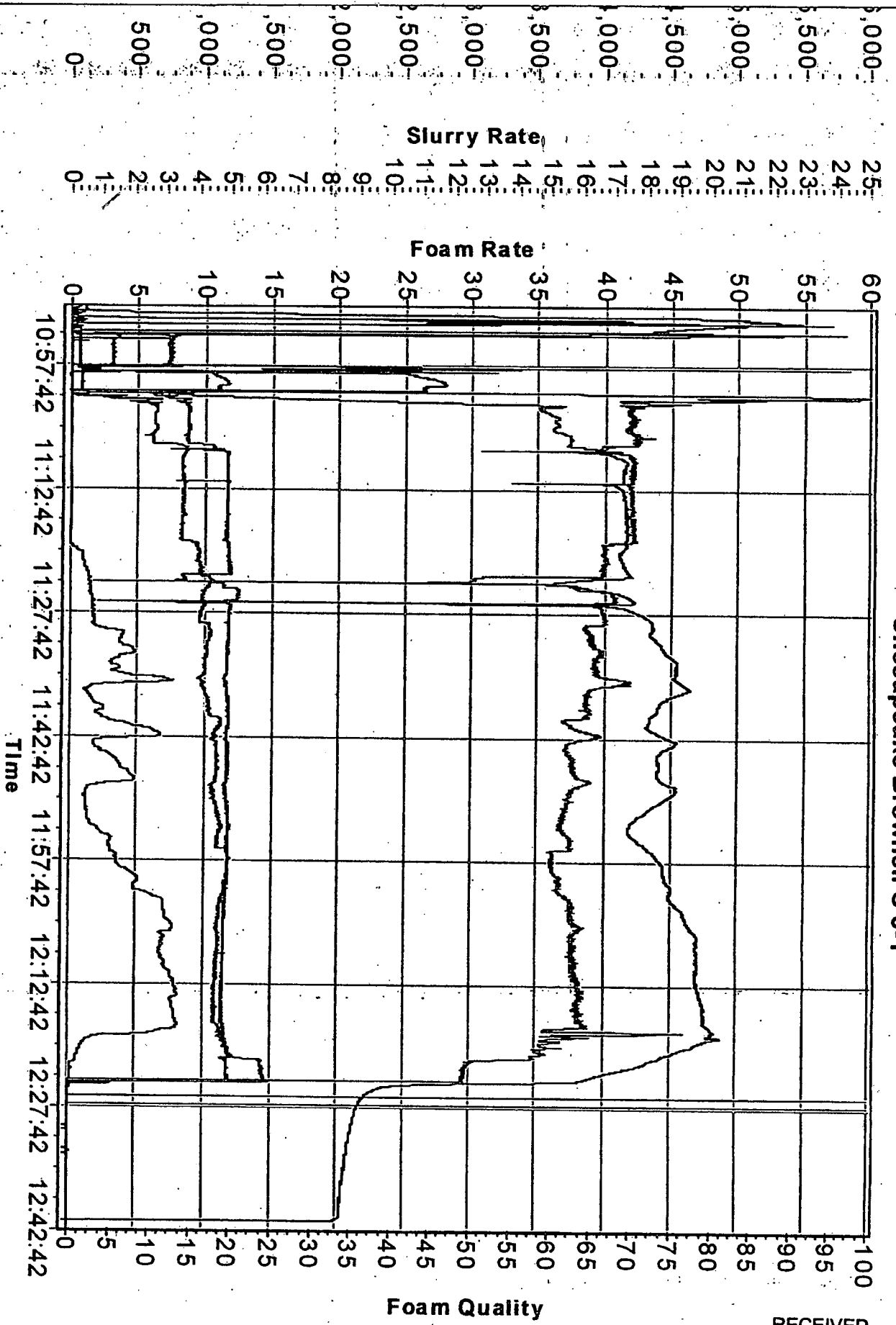
PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size: 5 1/2	Tubing Size: 2 7/8	Shots/Ft: 4	40%	Acid:		RATE:	PRESS:	ISIP: 3150
Depth: 278	Depth: 278	From: 596	To: 602	Pre Pad: 1000 gal	Pre Pad: 200	Max: 12	4870	5 Min: 2125
Volume: 37.1	Volume: 37.1	From: 045	To: 53	Pad: 8000 gal	Pre Pad: 200	Min: 9.0	4112	10 Min: 2067
Max Press: 5000	Max Press: 5000	From:	To:	Frac: 3000 gal		Avg: 12.0	4450	15 Min: 2028
Well Connection: 278	Annulus Vol.:	From:	To:	Foamed Pro frac 200		HHP Used:		Annulus Pressure:
Plug Depth: 628	Packer Depth: 513	From:	To:	Flush: 1400 gal	Pre Pad: 200	Gas Volume:		Total Load: 379 BBLs

Customer Representative: Jave	Station Manager: Jave Scott	Treater: J. Westerman
Service Units: 19851, 19892, 19849, 19845, 19847, 19844, 19850, 19852	21643, 19871	
Driver Names: Scott, Baker, Ryan, Bailey, Rafael, Corey, Jordan, Todd, JW		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:35		5500			On loc 8:30 AM. Setup/ Hold safety meeting
10:58				10.7	Prime up / PST test line
11:00			24	9.0	Start 1000 gal / Pre Pad
11:05		3608	35	9.0	Start 8000 gal / Pad 1/2 Rate
11:08		4112	45.0	12.0	foam on Bottom
11:19		4150	81.0	12.0	Est. Rate
11:21		4143	92	12.0	Start 5000 gal / 1# 12/20 Sand
11:27		4357	122	12.0	1# 12/20 Sand on Bottom
11:31		4425	133	12.0	Start 5000 gal / 2# 12/20 Sand
11:40		4344	169	12.0	2# 12/20 Sand on Bottom
11:42		4465	180	12.0	Start 7000 gal / 3# 12/20 Sand
11:56		4335	242	12.0	3# 12/20 Sand on Bottom
11:58		4443	253	12.0	Start 6000 gal / 4# 12/20 Sand
12:27		4399	361	12.0	4# 12/20 Sand on Bottom
12:24			379		Start Flush
					Shut Down Flush In
		3150			ISIP
		2125			5-min 1/2 way through 3rd sand stage
		2067			2 screw troubles one screw locked up
		2028			10-min switch to the other screw pickup
					5-min didn't work. Finally got it to work
					(ran the 4th stage out until he had all the loosks out and went to flush)
					Job Complete
					Thanks Justin

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Chesapeake Brownell C 3-1



- Tubing - Sand Density - Slurry Rate - Foam Rate - Foam Quality

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