

Kansas Corporation Commission Oil & Gas Conservation Division

1061671

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
☐ New Well ☐ Re-Entry ☐ Workover	Total Depth: Plug Back Total Depth:
☐ Oil ☐ WSW ☐ SIOW ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW ☐ OG ☐ GSW ☐ Temp. Abd. ☐ CM (Coal Bed Methane) ☐ Cathodic ☐ Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	·
Operator: Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Conv. to ENHR	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
☐ ENHR Permit #: ☐ GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date Recompletion Date	

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
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II Approved by: Date:

Side Two

1061671

Operator Name:			Lease Name: .			_ Well #:	
Sec Twp	S. R	East West	County:				
time tool open and clo	sed, flowing and shut es if gas to surface tes	d base of formations per -in pressures, whether s st, along with final chart(well site report.	shut-in pressure rea	ached static level,	hydrostatic press	sures, bottom he	ole temperature, fluid
Drill Stem Tests Taken (Attach Additional S		Yes No		₋og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geol	·	☐ Yes ☐ No	Nar	ne		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy)	d Electronically	Yes No Yes No Yes No					
List All E. Logs Run:							
		CASING Report all strings set-		lew Used termediate, producti	on, 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
	1	ADDITIONAL	_ _ CEMENTING / SQ	UEEZE RECORD	I		
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	
Shots Per Foot		ON RECORD - Bridge Pluç ootage of Each Interval Per			cture, Shot, Cement mount and Kind of Ma	•	Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN	HR. Producing Met	hod:		other (Explain)		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf Wa	ter Bl	pls. (Gas-Oil Ratio	Gravity
DISPOSITIO	Used on Lease	Open Hole		ly Comp. Con	nmingled mit ACO-4)	PRODUCTIO	N INTERVAL:

Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	Bowie 1-14
Doc ID	1061671

Tops

Name	Тор	Datum
Anhydrite	1377	+ 822
B/Anhydrite	1396	+ 803
Heebner Shale	3714	- 1515
Lansing	3767	- 1568
Stark Shale	4055	- 1856
B/KC	4085	- 1886
Marmaton	4124	- 1925
Pawnee	4205	- 2006
Ft. Scott	4270	- 2071
Cherokee Shale	4298	- 2099
Mississippian	4348	- 2149
Osage	4370	- 2171

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/

Sam Brownback, Governor

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

August 17, 2011

Mark Shreve Mull Drilling Company, Inc. 1700 N WATERFRONT PKWY BLDG 1200 WICHITA, KS 67206

Re: ACO1

API 15-083-21702-00-00 Bowie 1-14 NW/4 Sec.14-21S-22W Hodgeman 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, Mark Shreve



TICKET NUMBER_	28072
LOCATION ORE	*
FOREMAN Town	

PO Box 884, Chanute, KS 66720

FIELD TICKET & TREATMENT REPORT

620-431-9210	or 800-467-867 6	5	CEM	ENT			
DATE	CUSTOMER#	WELL NAME 8	NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
	5659	Bowie 1.	-14	14	2:15	22 w	Hodrewan
CUSTOMER	~ I			(1.1) . pha		, , , , , , , , , , , , , , , , , , ,	
MAILING ADDRE	SS 5			TRUCK#	DRIVER	TRUCK#	DRIVER
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CITY		STATE ZIP COI	DE .	<u> 558</u>	5000	<u>}</u>	
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CASING DEPTH		DRILL PIPE	TUBING			OTHER	
SLURRY WEIGH	π <u>.\ Ş. ≺</u>	SLURRY VOL 1.3	WATER	gaVsk 6.5	CEMENT LEFT In	CASING 1	
DISPLACEMENT	13 8 60	DISPLACEMENT PSI	MIX PSI_		RATE		
REMARKS:- <	and in	reading on	WALGE		.00 400	Pa) - > + - 1	e ·
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ACCOUNT	 -						,
CODE	QUANITY	or UNITS	DESCRIPTION	N of SERVICES or PR	ODUCT ·	UNIT PRICE	TOTAL
5401		PUMP C	HARGE			10.85	10.95
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levin 3797						ESTIMATED	
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AUTHORIZITION	DOWN	TOUT	TITLE	•	· · ·	DATE	

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this for

ANH B/AI HEE TOR LAI STA	Formation YORITE IHYORITE BNER ONTO ISING IRK ANSAS CITY	Sample Log 1379 1377 1398 1396 3713 3714 3732 3767 4055 4054 4178 4177	PLUG (14 submitted, 1. Armstrong Datum +822 -3 +803 + -1515 +3 -1533 +3 -1568 +3 -1855 +4 -1978 +4	Make & Type Serial No. No 124 VAREL CHIS RR 15-172 HTC GX 20C 5191685 14-1	Sample Log Datum
PAU FOR CHE WA!	RMATON VNEE T SCOTT ROKEE SHALE RSAW AGE AL DEPTH	4186 4185 4204 4204 4273 4273 4301 4299 4361 4359 4370 4369 4500 4500	-1986 +4 -2005 +4 -2074 +4 -2100 +3 -2160 +4 -2170 +6 -2301	-! 8 2 9 6	
		Salt Sandstone	Shale	GEND THE COLUMN TO THE COLUMN	nya siganya nakatina a dokudak, interfuentina tawanakki indankaraka atamanduke natu dianku labah laurah a
DEPTH	Rate of Pens	tration increases	90000X	SAMPLE DESCRIPTIONS	REMARKS Geol on Loc at 3550' at 5 on 5-16-11 Mud Program: Mud-Co/Service Starch/HydroGel
5 (Sample Cuttings: KGS Well S Library Deviation: 228' - 180 1522' - 180 2529' - 40
3700		HEEBNER		LS-Gry Forxin Soft For Tre Xin Poo LS-L+Gry Fxin One SIESENPOV	4500' - MR 4500' - MR ACCUSANCE AND ACCUSA
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60				LS-LIGUY/WITX/MMA /DAS SICIKY S/FOS NPOR LS-AA Sh-Gry/DKGry LS-LIGRY/DKGry	COLUMN TERRORIZA SANDE CONTRACTOR SAND SAND SECURITY BY ARREST AND ARREST ARREST AND ARREST ARREST AND ARREST AND ARREST AND ARREST AND ARREST AND ARREST ARREST AND ARREST ARREST AND ARREST AR
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5°			The state of the s	Sh-Gry/OkGry LS-Gry/OkGry LS-Gry/OkGry LS-L+Gry/Tan Fx/n Mhd/Ons SI CIKY NPOL LS-AA Sh-Gry/OkGry LS-L+Gry/Tan/w+Fx/n Ons NPOL	териномийские экспериориям для «постанор», чиновать выгодилен выводителя выдателя поступент и постан и из наста
4 200		B/KANSAS CITY 4178 (= 19179) MARMATON 4186 (= 19187)		LS-AA Sh-Gry LS-L+Gry/W+FxIn Dhs NPor LG-AA Sh-Gry/DKGry LS-Tan/W+Fx/n Dns NPor LS-AA LS-Tan/Crm FxIn Dns NPor Sh-Gry/DKGry	
		4264(-2005)		LS-Tan/Crm/L+Gry FxM Ons NPOV LS-Tan/Crm/L+Gry Pihd/Ons Fxin NPOV LS-AA LS-Tan/L+Gry Fx hn Mhd/Ons NPOV LS-AA LS-Tan/L+Gry Fxhn Nns NPOV LS-Tan/L+Gry Fxln Nns NPOV	Mud Data at 4233' at 12:40 on 5-18-11 wt 9.8 Vis 46 WL 6.4 pH" Chlor 26,000 Solids 9.2% YP
50		FORT SCOTT 4-27/3 (\$2074)		LS-AA LS-AA LS-Gryllan Fxln Dns NPor LS-AA LS-Gryllan Fxln Dns NPor LS-AA LS-Wf Fxln S/Md Clky Ive XIn Don'n NS	одина и под водин у начинавание мога по почен в се и изгородного почен воден на почен воден почен воден вод
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		&WAR5AW 4361(+2162) &OSAGE 4370(+2171)	A A A A A A A	Sh-AA LS-Crm/L+Gry Fx (n Mhd/pn; NP Sh-Gry/DkGry LS-Crm/w+ Fx/n Mhd/pns Nyor Cht-w+ Fsh+ Trip OpacNs Cht-wt Fsh Opac Nor Nor No	nuga kuwancuwa kuu, ku murana anda ana di sunasina sida, ka ku ku kili di sunasina na ka a a a a a a a a a a a
4400				Cht-Wt Fish Opac Nov NS Cht-AA Cht-Wt Fush & Trip Opac Nov Cht-AA Cht-Wt smcrm Fish and Trip N Por NS	And grant, at the Europe of Angel State of State
50			A A A A A A A A A A A A A A A A A A A	Cht-AA Cht-AA Cht-AA Cht-AA w. sm. Dolo-wt Exa, Das NPOU Cht+ Polo-AA Cht+ Polo-AA Cht-Wt Esh Oguc and Polo-wt Exin Das NPOU	and his according to the stage of the discontinuous production of the stage of the
¥500		RTD 4500(-2301)	/	Cht + Polo - AA Cht - Wt - Fish Opac and smill	Mud Data at 4996' at 11:20 on 5-19-11 Wt 9.9 Vis 50 WL 6 pH 7 Chlor 22,000 Solids 10.1% YP21 Finished Drilling at 11:49 am on 5-19-11. CFS - 45". Pulled 20 Stand Shout trip then Civ for and
•					Log - 90" Finished Logging at 10:45 pm
LE	DRILLING TIME Rate of Penetro MPANY MULL SE BOWIE N CATION 361 PNL 49	otion increases - DRILLING COM	TWP 215 R	SAMPLE DESCRIPTIONS ***********************************	REMARKS 2199 KB