

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1158548

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

# WELL COMPLETION FORM

		DECODURTION		
WELL	HISTORY	<ul> <li>DESCRIPTIOI</li> </ul>	N OF WELL	& LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
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       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:	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         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:       functional content:       functional content:       functional content:
Plug Back:       Plug Back Total Depth         Commingled       Permit #:         Dual Completion       Permit #:         SWD       Permit #:         ENHR       Permit #:         GSW       Permit #:	Location of fluid disposal if hauled offsite:         Operator Name:         Lease Name:         Quarter         Sec.         Twp.         S.         R.         East         West         County:
Spud Date or Recompletion Date         Date Reached TD         Completion Date or 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 III Approved by: Date:

	Side Two	1158548
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	

**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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No	L	-	on (Top), Depth ar	id Datum Top	Sample Datum
Samples Sent to Geolog	jical Survey	Yes No	Indin			юр	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	YesNoYesNoYesNo					
List All E. Logs Run:							
		CASING	GRECORD Ne	ew Used			
		Report all strings set	-conductor, surface, inte	ermediate, product	ion, 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: —— Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot		PERFORATION Specify For		RD - Bridge P Each Interval I		e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	:e:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed P	Producti	on, SWD or ENHF	₹.	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF G	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit A	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Subr	nit ACO	-18.)		Other (Specify)						

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

### HAT DRILLING 12371 KS HWY 7 MOUND CITY, KS 66056 LICENSE # 33734

### Mosher #BI-5 API # 15-121-29480-00-00 SPUD DATE 07-29-13

$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Footage		Formation	Thickness	Set 20' of 7" w/ 3sx
36lime $24$ $58$ shale $22$ $77$ lime $19$ $102$ shale $25$ $123$ lime $21$ $205$ shale $82$ $226$ lime $21$ $255$ shale $29$ $260$ lime $5$ $314$ shale $54$ $343$ lime $29$ $350$ shale $7$ $377$ lime $27$ $383$ shale $6$ $388$ lime $5$ $562$ shale $174$ $566$ lime $4$ $618$ , shale $52$ $621$ lime $3$ $667$ shale $46$ $668$ lime $1$ $core d 674 - 694$ core bbl plugged at 680' recovered 4' of $20'$ $674$ white shale $2$ $74$ white shale/sand $8$ $82$ white shale/sand $8$ $83$ sand $5$ $691$ shale $4$ $693$ sand $2$ $900$ bleed			Topsoil	2	
36       lime $24$ $58$ shale $22$ $77$ lime $19$ $102$ shale $25$ $123$ lime $21$ $205$ shale $82$ $226$ lime $21$ $255$ shale $29$ $260$ lime $5$ $314$ shale $54$ $343$ lime $29$ $350$ shale $7$ $350$ shale $7$ $377$ lime $27$ $383$ shale $6$ $388$ lime $5$ $562$ shale $174$ $566$ lime $4$ $618$ shale $52$ $621$ lime $3$ $667$ shale $46$ $668$ lime $1$ core dof $74 - 694$ $672$ shale(black) $4$ core bid plugged at $680'$ recovered $4'$ of $20'$ $674$ white shale/sand $8$	12		clay	10	Ran 760' of 2 7/8 on 07-30-13
77lime19 $102$ shale25 $123$ lime21 $205$ shale82 $226$ lime21 $255$ shale29 $260$ lime5 $314$ shale54 $343$ lime29 $350$ shale7 $377$ lime27 $383$ shale6 $388$ lime5 $562$ shale174 $566$ lime4 $618$ , shale52 $621$ lime3 $667$ shale46 $668$ lime1 $cored 674 - 694$ core bbl plugged at 680' recovered 4' of 20' $672$ shale(black)4 $core bbl plugged at 680' recovered 4' of 20'682white shale2care d core slot at 1' intervals check e-log687sand5691shale4693sand2good bleed$	36		lime	24	
102shale $25$ $123$ lime $21$ $205$ shale $82$ $226$ lime $21$ $255$ shale $29$ $260$ lime $5$ $314$ shale $54$ $343$ lime $29$ $350$ shale $7$ $377$ lime $27$ $383$ shale $6$ $388$ lime $5$ $562$ shale $174$ $566$ lime $4$ $618$ , shale $52$ $621$ lime $3$ $667$ shale $46$ $668$ lime $1$ $cored 674 - 694$ core bbl plugged at 680' recovered 4' of 20' $672$ shale(black) $4$ $673$ sand $5$ $691$ shale $4$ $693$ sand $2$ $good$ bleed $4$	58		shale	22	
123lime21205shale82226lime21255shale29260lime5314shale54343lime29350shale7377lime27383shale6388lime5562shale174566lime4618, shale52621lime3667shale46668lime1672shale(black)468ime2682white shale2682white shale/sand8687sand5691shale4693sand2good bleed1	77		lime	19	
205shale $82$ $226$ lime $21$ $255$ shale $29$ $260$ lime $5$ $314$ shale $54$ $343$ lime $29$ $350$ shale $7$ $377$ lime $27$ $383$ shale $6$ $388$ lime $5$ $562$ shale $174$ $566$ lime $4$ $618$ , shale $52$ $621$ lime $3$ $667$ shale $46$ $668$ lime $1$ $cored 674 - 694$ core bbl plugged at 680' recovered 4' of 20' $674$ white shale $2$ $core bbl plugged at 680' recovered 4' of 20'674white shale8good odor, 85% shale, 15% sand687sand687sand691shale44693sand2good bleed$	102		shale	25	
226lime $21$ $255$ shale $29$ $260$ lime $5$ $314$ shale $54$ $343$ lime $29$ $350$ shale $7$ $377$ lime $27$ $383$ shale $6$ $388$ lime $5$ $562$ shale $174$ $566$ lime $4$ $618$ , shale $52$ $621$ lime $3$ $667$ shale $46$ $668$ lime $1$ $cored 674 - 694$ core bbl plugged at 680' recovered 4' of 20' $672$ shale(black) $4$ $674$ white shale $2$ $682$ white shale $2$ $682$ white shale $8$ $687$ sand $8$ $691$ shale $4$ $693$ sand $2$ $good bleed$ $1$	123		lime	21	
255       shale       29         260       lime       5         314       shale       54         343       lime       29         350       shale       7         377       lime       27         383       shale       6         388       lime       5         562       shale       174         566       lime       4         618       , shale       52         621       lime       3         667       shale       46         668       lime       1       cored 674 - 694         672       shale(black)       4       core bbl plugged at 680' recovered 4' of 20'         674       white shale       2       reamed core slot at 1' intervals check e-log         682       white shale/sand       8       good odor, 85% shale, 15% sand         687       sand       5         691       shale       4         693       sand       2         good bleed       1	205		shale	82	
260       lime       5         314       shale       54         343       lime       29         350       shale       7         377       lime       27         383       shale       6         388       lime       5         562       shale       174         566       lime       4         618       , shale       52         621       lime       3         667       shale       46         668       lime       1         668       lime       1         667       shale(black)       4         672       shale(black)       4         674       white shale       2         682       white shale       2         687       sand       5         691       shale       4         693       sand       2         good bleed       1	226		lime	21	
314       shale       54         343       lime       29         350       shale       7         377       lime       27         383       shale       6         388       lime       5         562       shale       174         566       lime       4         618       , shale       52         621       lime       3         667       shale       46         668       lime       1         672       shale(black)       4         672       shale(black)       4         674       white shale       2         682       white shale       3         687       sand       5         691       shale       4         693       sand       2         good bleed       15% sand	255		shale	29	
343lime $29$ $350$ shale7 $377$ lime $27$ $383$ shale $6$ $388$ lime $5$ $562$ shale $174$ $566$ lime $4$ $618$ , shale $52$ $621$ lime $3$ $667$ shale $46$ $668$ lime $1$ $672$ shale(black) $4$ $672$ shale(black) $4$ $674$ white shale $2$ $682$ white shale $8$ $687$ sand $5$ $691$ shale $4$ $693$ sand $2$ $good$ bleed $2$	260		lime	5	
350       shale       7         377       lime       27         383       shale       6         388       lime       5         562       shale       174         566       lime       4         618       , shale       52         621       lime       3         667       shale       46         668       lime       1         672       shale(black)       4         673       white shale       2         674       white shale       2         682       white shale/sand       8         687       sand       5         691       shale       4         693       sand       2         good bleed       4	314		shale	54	
377       lime       27         383       shale       6         388       lime       5         562       shale       174         566       lime       4         618       , shale       52         621       lime       3         667       shale       46         668       lime       1         667       shale(black)       4         672       shale(black)       4         674       white shale       2         682       white shale       3         687       sand       5         691       shale       4         693       sand       2         good bleed       3	343		lime	29	
383       shale       6         388       lime       5         562       shale       174         566       lime       4         618       , shale       52         621       lime       3         667       shale       46         668       lime       1         672       shale(black)       4         673       white shale       2         674       white shale       2         687       sand       5         691       shale       4         693       sand       2         good bleed       4	350		shale	7	
388       lime       5         562       shale       174         566       lime       4         618       shale       52         621       lime       3         667       shale       46         668       lime       1         672       shale(black)       4       core dof 74 - 694         672       shale(black)       4       core bbl plugged at 680' recovered 4' of 20'         674       white shale       2       reamed core slot at 1' intervals check e-log         682       white shale/sand       8       good odor, 85% shale, 15% sand         687       sand       5         691       shale       4         693       sand       2         good bleed       2	377		lime	27	
562       shale       174         566       lime       4         618       shale       52         621       lime       3         667       shale       46         668       lime       1         672       shale(black)       4         674       white shale       2         682       white shale       2         687       sand       5         691       shale       4         693       sand       2			shale		
566       lime       4         618       , shale       52         621       lime       3         667       shale       46         668       lime       1         672       shale(black)       4         674       white shale       2         682       white shale/sand       8         687       sand       5         691       shale       4         693       sand       2			lime	5	
618       , shale       52         621       lime       3         667       shale       46         668       lime       1       cored 674 - 694         672       shale(black)       4       core bbl plugged at 680' recovered 4' of 20'         674       white shale       2       reamed core slot at 1' intervals check e-log         682       white shale/sand       8       good odor, 85% shale, 15% sand         687       sand       5         691       shale       4         693       sand       2			shale	174	
621lime3667shale46668lime1cored 674 - 694672shale(black)4core bbl plugged at 680' recovered 4' of 20'674white shale2reamed core slot at 1' intervals check e-log682white shale/sand8good odor, 85% shale, 15% sand687sand5691shale4693sand2good bleed			lime	4	
667shale46668lime1cored 674 - 694672shale(black)4core bbl plugged at 680' recovered 4' of 20'674white shale2reamed core slot at 1' intervals check e-log682white shale/sand8good odor, 85% shale, 15% sand687sand5691shale4693sand2good bleed		,	shale		
668lime1cored 674 - 694672shale(black)4core bbl plugged at 680' recovered 4' of 20'674white shale2reamed core slot at 1' intervals check e-log682white shale/sand8good odor, 85% shale, 15% sand687sand5691shale4693sand2good bleed			lime	3	
672shale(black)4core bbl plugged at 680' recovered 4' of 20'674white shale2reamed core slot at 1' intervals check e-log682white shale/sand8good odor, 85% shale, 15% sand687sand5691shale4693sand2good bleed				46	
674white shale2reamed core slot at 1' intervals check e-log682white shale/sand8good odor, 85% shale, 15% sand687sand5691shale4693sand2good bleed				1	cored 674 - 694
682white shale/sand8good odor, 85% shale, 15% sand687sand5691shale4693sand2good bleed					core bbl plugged at 680' recovered 4' of 20'
687sand5691shale4693sand2good bleed					reamed core slot at 1' intervals check e-log
691shale4693sand2good bleed					good odor, 85% shale, 15% sand
693 sand 2 good bleed					
765 shale 72					good bleed
	765		shale	72	

Oil Well Services, LLC	<i>REMIT TO</i> Consolidated Oil Well Serv Dept. 970 P.O. Box 4346 Houston, TX 77210-4	,	Chanu 620/431-9210 • 1-8	AIN OFFICE P.O. Box 884 te, KS 66720 00/467-8676 220/431-0012
INVOICE			Invoice #	
Invoice Date: 07/31/2013	Ferms: 0/0/30,n/30		==================== Pa	========= 1ge 1
BLUE DIAMOND HOLDINGS, P.O. BOX 128 WELLSVILLE KS 66092 ( ) -	42291 1-16-			
1118BPREMIUM1111SODIUM (1110AKOL SEAN	cion DZ CEMENT MIX GEL / BENTONITE CHLORIDE (GRANULA G (50# BAG) RUBBER PLUG	Qty 102.00 272.00 197.00 510.00 1.00	.3900.4600	Total 1173.00 59.84 76.83 234.60 29.50
Description 370 80 BBL VACUUM TRUCK (CH 495 CEMENT PUMP 495 EQUIPMENT MILEAGE (ONE 495 CASING FOOTAGE 503 MIN. BULK DELIVERY		1.50		Total 135.00 1085.00 84.00 .00 368.00

Parts:	1573.77	Freight:	.00	Tax:	120.40	AR	3366.17
Labor:	.00	Misc:	.00	Total:	3366.17		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed

BARTLESVILLE, OK 918/338-0808 EL DORADO, KS 316/322-7022

,

EUREKA, KS PON 620/583-7664 58

PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044

THAYER, KS 620/839-5269

KS GILLETTE, WY 269 307/686-4914

Date

CUSHING, OK 918/225-2650



261120

TICKET NUMBER 42291

LOCATION Oftawa KS

FOREMAN Fred Mader

DATE

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

## FIELD TICKET & TREATMENT REPORT

620-431-9210 o	r 800-467-8676	•	CEMEN	Т			
DATE	CUSTOMER #	WELL NAME & NUME	BER	SECTION	TOWNSHIP	RANGE	COUNTY
730.13	1133	Mosker # BI-S	·	NOW 1	16	21	FR
CUSTOMER	1.91	s		How Handle and the second second	र के पर की मुख्य मुंच		
Blue	Diamond	Holdings LLC		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRE	SS	0		712	Fremad		
P. O.	Box 12	18		495	Harbec		
CITY		STATE ZIP CODE		370	Ki Car		
Wells	ville	KS 66092		503	Dermas		
JOB TYPE		HOLE SIZE 5 7/5	HOLE DEPTH		CASING SIZE & W	EIGHT 278	EUF
CASING DEPTH_	760'0	DRILL PIPE Baffle M		730'		OTHER	
SLURRY WEIGHT	г	SLURRY VOL	WATER gal/s	k	CEMENT LEFT in (	CASING 30'	+ Plus
DISPLACEMENT	4.24802	DISPLACEMENT PSI	MIX PSI		RATE SBPO	n	
REMARKS: No	12 avew	meeting. Establ	ishcive	ulation.	Mix+Pump	100 # Ge	٩
Flush.	Mix +	Pump 102 SK	50/50	o por min	Coment 2	20 hel 5%	Salt
5 # K.	1 Seal/	SK. Coment to	Surface	E Flush	pump+1.	mes cloa	и.
Disolo	ice 22'	Rubber plug	to Baf	Fle. Pr	-ssure to	800 # PSI	
Additional and a second s	Se press	1 1. 15.	at valu	re. Shu	tin Casil	uz-	
	<i>r</i>					1	

1000 \* Ha Drillm d ACCOUNT QUANITY or UNITS **DESCRIPTION of SERVICES or PRODUCT** UNIT PRICE TOTAL CODE 108500 PUMP CHARGE .) 5401 842 MILEAGE 20 m 5406 (as. V + Foo You. 1760 5402 NK

5407	minimum	Ton miles			36800
55020	1/2 hv	80 BBL Vac Truck			36800
1124	102 5145	50/50 PO> Mix			117309
UIFB	272#	50/50 Po> Mix Premium Cel			5902
111	197#	Granulated Salt			76 53
HIDA	5/0#	Kol Seal			23469
4402	1	21/2" Rubber Plug			29 50
		σ			1993 - 1994 - 19
			1		)
				🔷 comm	atad
			V	LUMPI	
			<b>F</b> <sup>16</sup>	8	Y
			41 7.61		1
			7.650	SALES TAX	12040
avin 3737				ESTIMATED TOTAL	3366 17

AUTHORIZTION No Co. Rep on Site

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 form.

TITLE\_