

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1091473

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:	
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: ()	
CONTRACTOR: License #	County:
	Viell #:
	Eigld Name:
Purchasser	
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used?
☐ OG	d. If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Delling Field Management Disc
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to S	Chloride content: ppm Fluid volume: bbls
Conv. to GSW	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	
SWD Permit #:	License #:
ENHR Permit #:	Quarter Sec TwpS. R East U West
GSW Permit #:	County: Permit #:
Spud Date or Recompletion DateDate Reached TDCompletion 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	1091473
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		Lo	g Formation	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolog	ical Survey	Yes	No		Name	;		юр	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ Yes ☐ Yes	□ No □ No □ No						
List All E. Logs Run:									
			CASING	RECORD	Nev	w Used			
		Report all	strings set-c	onductor, surfa	ace, inte	mediate, producti	on, etc.		
Purpose of String	Size Hole Drilled	Size Ca Set (In C	sing D.D.)	Weight Lbs. / Ft	t.	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 RECORD - Bridge Ple Specify Footage of Each Interval P				Plugs Set/Typ Perforated	e		Acid, Fracture, Shot, Ce (Amount and Kind	ement Squeeze Record of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed F	on, SWD or ENH	Producing Method:								
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
						I			1	
DISPOSITIO	N OF G	BAS:			METHOD (OF COMPLE	TION:		PRODUCTION IN	TERVAL:
Vented Sold	<u> </u>	Jsed on Lease		Open Hole	Perf.	Uually (Submit A	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Sub	mit ACO	-18.)		Other (Specify))					

	IUSTA Ergy Corpor		
	Scale 1:240 Imperial		
Well Name: Surface Location: Bottom Location:	COUTURE #3 NE NW SW SW 10-10S-20W		
API: License Number: Spud Date: Region:	15-163-24036-000 33922 5/9/2012 ROOKS	Time:	3:34 PM
Drilling Completed: Surface Coordinates: Bottom Hole Coordinates: Ground Elevation:	5/14/2012 1270' FSL & 460' FWL 2206 00ft	Time:	4:23 PM
K.B. Elevation: Logged Interval: Total Depth: Formation:	2211.00ft 0.00ft 3837.00ft	To:	3836.00ft
Drilling Fluid Type:	FRESH WATER/CHEMICAL GEL		
Company: Address:	OPERATOR MUSTANG ENERGY CORPORAT P.O. BOX 1121 HAYS, KS 67601	ION	
Contact Geologist: Contact Phone Nbr: Well Name: Location: Pool: State:	ROD BRIN (785) 623-0533 COUTURE #3 NE NW SW SW 10-10S-20W KANSAS	API: Field: Country:	15-163-24036-000 MARCOTTE USA
	SURFACE CO-ORDINATES	S	
Well Type: Longitude: N/S Co-ord: E/W Co-ord:	Vertical -99.5477204 1270' FSL 460' FWL	Latitude:	39.1941987
	LOGGED BY		
	SOLUTI CONSUL		G
Company: Address:	SOLUTIONS CONSULTING 108 W 35TH HAYS, KS 67601		

Phone Nbr: (785) 259-3737 Logged By: Geologist

Name: JEFF LAWLER

	CONTRACTOR			
Contractor:	WW DRILLING, LLC			
Rig #:	8			
Rig Type:	MUD ROTARY			
Spud Date:	5/9/2012	Time:	3:34 PM	
TD Date:	5/14/2012	Time:	4:23 PM	
Rig Release:	5/15/2012	Time:	10:00 AM	

ELEVATIONS

K.B. Elevation: 2211.00ft K.B. to Ground: 5.00ft Ground Elevation: 2206.00ft

NOTES

DUE TO STRUCTURAL POSITION, FAVORABLE LOWER ARBUCKLE LOG ANALYSIS, & DRILL STEM TEST RESULTS 5 1/2" X 15.5# PRODUCTION CASING WAS RUN TO FURTHER EVALUATE ZONES WITH PERFORATION. IF THE COUTURE #3 IS FOUND TO BE NON-COMMERCIAL THE WELL WILL BE CONVERTED TO A SALT WATER DISPOSAL.

> RESPECTFULLY SUBMITTED, JEFF LAWLER

						WE	LL	СС	DM	PA	RISC	N SH	ΗE	ЕΤ									-					
						¥			3	1	X						•				•							
						B&R D	RILLI	NG				B&R I	DRILLI	ING			N	IUSTANG E	NERG	YCO	RP.			BARN	ETTO	L		
						DOM	NEY #	#6				DOM	VNEY	#2				COUT	FURE #	2			HINKHOUSE #1					
		COUT	URE #3													_							SE SE SE 9-10-20					
	KB		2211		КВ	KB 222			_		KB		2	170	_		КВ		22	11	_		KB		21	65		
	LOG	TOPS	SAMPL	ETOPS	COMP	CARD	LC)G	SM	PL.	COMP	.CARD	- D	OG	SM	PL.	LC	DG	LC	G	SM	IPL.	COMP	.CARD	LO	G	SMF	۱ .
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CO	RR.	CO	RR.	DEPTH	DATUM	CC	DRR.	co	RR.	DEPTH	DATUM	co	RR.	co	RR.	DEPTH	DATUM	COF	RR.	COF	(R.
ANHYDRITE TOP	1679	532	1675	536	1690	531	+	1	+	5	1640	530	+	2	+	6	1666	545	-	13	10 7 -10	9	1630	535	-	3	+	1
BASE	1708	503	1709	502			_			_	-						1700	511	-	8	<u></u>	9		-	-	_	_	_
TARKIO		100102.00		2010000		10.10.000	-				-			-					_	-	-	-			-	-		_
ТОРЕКА	3237	-1026	3238	-1027	3252	-1031	+	5	+	4	-	-			-		3230	-1019	-	7		8		-		_		_
OREAD					-						-				_						_					_		
HEEBNER SHALE	3438	-1227	3440	-1229	3460	-1239	+	12	+	10	3403	-1233	+	6	+	4	3431	-1220	-	7	-	9				_	_	
TORONTO	3459	-1248	3458	-1247													3453	-1242	-	6	157	5				_		
DOUGLAS																							-					
BROWN LIME										_																		
LKC	3478	-1267	3478	-1267	3492	-1271	+	4	. +::	4	3441	-1271	+	4	+	4	3471	-1260	-	7	3:53	7	3434	-1269	+	2	+	2
BKC	3695	-1484	3692	-1481	3714	-1493	+	9	+	12							3686	-1475	-	9	-	6						
CONGLOMERATE					3748	-1527					3687	-1517											· · · · · · · · · · · · · · · · · · ·					
SIMPSON											3723	-1553																
ARBUCKLE	3771	-1560	3771	-1560	3825	-1604	+	44	+	44	3756	-1586	Ŧ	26	+	26	3754	-1543	14	17	2	17	3722	-1557	140	3	-	3
REAGAN							_																					
RTD			3837	-1626	3841	-1620			-	6	3776	-1606			1993	20	3762	-1551			-	75	3730	-1565			-	61
LTD	3836	-1625									1						3761	-1550		75								

	DST #1	LKC "C-F"				
	DRILL STEM TE	ST REPOF	א ד			
HILUBITE	Mustang Energy Corporation		10-10s-20)w Rooks,F	s	
ESTING , INC	P.o. Box 1121 Hays, KS, 67601		Couture : Job Ticket:	#3 47176	DST#: 1	
	ATTN: Jeff Lawler		Test Start:	2012.05.12 @	21:38:00	
GENERAL INFORMATION:						
Formation: KC "C-F" Deviated: No Whipstock: Time Tool Opened: 23:18:30 Time Test Ended: 03:57:30	ft (KB)		Test Type: Tester: Unit No:	Conventional Cody Bloedo 54	Bottom Hole rn	e (Initial)
Interval: 3500.00 ft (KB) To Total Depth: 3565.00 ft (KB) (1 Hole Diameter: 7.88 inches Ho	3 565.00 ft (KB) (TVD) VD) le Condition: ⊨ Fair		Reference E	levations: B to GR/CF:	2205.00 2200.00 5.00	ft (KB) ft (CF) ft
Serial #: 8789 Outside						
Press@RunDepth: 95.45 psig Start Date: 2012.05.12 Start Time: 21:38:02	@ 3536.00 ft (KB) End Date: End Time:	2012.05.13 03:57:30	Capacity: Last Calib.: Time On Btm:	2012.05.12	8000.00 2012.05.13 @ 23:18:15	psig
			Time Off Btm:	2012.05.13	@ 02:20:00	



	E IN TA !			(Min.)	(psig)	(deg F)	
/50			- 100	0	1840.11	98.85	Initial Hydro-stati
500		N	· · · · ·	1	30.76	98.03	Open To Flow(1)
			- 95	35	36.82	99.68	Shut-In(1)
1250		λ .		59	631.77	100.44	End Shut-In(1)
		N I	and a	60	1764.55	100.86	Open To Flow(2)
		N I I		85	1804.45	102.46	Shut-In(2)
750			6				

(Bed)













I 785-324-1041		Finish
Sec	Turn Bange	County State 9 On Localist 9:309 m
	Iwp. Prange	Konge Same KS
e 5-9-12 10	10 20	Location alup SAARD IF Ninto
se Contour	Well No. 2	Owner
ntractor WW #8		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish You are hereby requested to rent cementing equipment and furnish
be Job Sur acc	T.D. 220	cementer and helper to dot
le Size 12114	Depth 22D	To MUStang
g. 8.78	Depth	Street
g. Size	Depth	City State
ol		The above was done to satisfaction and supervision of owner-
ement Left in Csg. 15	Shoe Joint	Cement Amount Ordered 150 Com SIRCORMA
eas Line	Displace 1005	
EC	QUIPMENT	Common
No. Cemente Helper	1419	Poz Mix
No. Driver	DUV	
No. Driver	Sian	
JOB SER	VICES & REMARKS	
		Hulls
Remarks:		Salt
Rat Hole	Ha bh	Flowseal
Mouse Hole		Kol-Seal
Centralizers	Contraction of the second	Mud CLR 48
Baskets	ne ser	CFL-117 or CD110 CAP 38
D/V or Port Collar	Eiternleten	Mix Sand
878 on bittom	I. ESTERICOM	Handling
1505K × D.5240	<u>e</u>	Mileage
100 at 2.1	11111	FLOAT EQUIPMENT
CAMPITA	(involate	Guide Shoe
	Constant of the second	Centralizer
		Baskets
	100 Kit	AFU Inserts
1 Parts 1	Contraction of the	Float Shoe
	A REAL PROPERTY	Listeb Down
		Pumptrk Charge
		Mileage Tax
	A.	Discount
1	11/1/	Total Charge

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

-

物

Home Office P.O. Box 32 Russell, KS 67665

419 No.

10

御.

Phone 785-483-2025 Cell 785-324-1041

10

0011700 024 1041						
Date 5-15-12 10	Twp. Range	Roo	County	State	On Location	Finish 10:00 Am
Lease Contrace	Well No. 3	Locati	onPalco	Ks = 5 to	AARd,	E, N/In+
Contractor W-W 48			Owner			
Type Job Production			To Quality Oilwell Cementing, Inc.			
Hole Size 77'5" T.D. 3837'			cementer and helper to assist owner or contractor to do work as listed.			
Csg. 55m	Depth 3835	1	Charge Mustana Energy			
Tbg. Size	Depth		Street			
Тоо	Depth		City State			
Cement Left in Csg. 412 . 12	ement Left in Csg. 42, 12' Shoe Joint 412, 12'			The above was done to satisfaction and supervision of owner agent or contractor.		
Meas Line	Displace 90/4	BLS	Cement Amount Ordered SU St Common 10% Sull S/ 6 Sandr			
EQUIPMENT			42551 QMDL //FL - SOD gal MILL Charles			
Pumptrk No. Cementer P. C. Rock			Common			
Bulktrk No. Driver			Poz. Mix			
Bulktrk 14 No. Driver			Gel.			
JOB SERVICES & REMARKS			Calcium			
Remarks: ement Did Cicculate.			Hulls			
Rat Hole 30 5X			Salt			
Mouse Hole N/H			Flowseal			
Centralizers 1,3,5,7,9,15,41,54			Kol-Seal			
Baskets 2, 16, 42, 53			Mud CLR 48			
D/V or Port Collar			CFL-117 or CD110 CAF 38			
pipe on bottom, bronk (iculation			Sand			
" popia tops top pump So and			Handling			
Mind Clear 48, plug Rathole			Mileage			
wil 35 SX Houk Uto 0 53 Casing			FLOAT EQUIPMENT			
+ mix 395 SN OMDC 4FF/, see			Guide Shoe			
+ mix 150 sx Common 10% Soft, 5%			Centralizer & faibes			
Gilsonitement shut down wash propo			Baskets		203. Bas	
+ Pines, Keleased latch down:			AFU Inserts		<u>a anta il i</u>	
plum in Displaced with 96 41			Float Shoe	<u>t a constant</u>		
BLS of Water			Latch Down		n sensitings and st	
			(4)		21	
Lith pressure 1000 4			1- Rotat in hear PHSSY			
land plugato 1500 \$			Pumptrk Charge			
			Mileage		and the	
				1.1	Tax	
V	and the second s		1	1 Dai	Discount	
Signature			fleets	11Equin	Total Charge	