

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1096513

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: S	state: Zip:+	Feet from East / West Line of Section
-	·	Footages Calculated from Nearest Outside Section Corner:
Phone: ()		
× ,		County:
		Lease Name: Well #:
		Field Name:
Ũ		Producing Formation:
Designate Type of Completion:		Elevation: Ground: Kelly Bushing:
	e-Entry Workover	Total Depth: Plug Back Total Depth:
 Oil WSW Gas D&A OG CM (Coal Bed Methane) 	SWD SIOW ENHR SIGW GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Multiple Stage Cementing Collar Used? If yes, show depth set: Fee If Alternate II completion, cement circulated from: feet depth to:
		Drilling Fluid Management Plan
	Original Total Depth:	(Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: bbl: Dewatering method used:
Plug Back:	Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled	Permit #:	Operator Name:
Dual Completion	Permit #:	License #:
	Permit #:	Quarter Sec TwpS. R East Wes
	Permit #:	County: Permit #:
GSW	Permit #:	County Petitiit #
Spud Date or Date Re Recompletion Date	ached 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 Approved by: Date:				

	Side Two	1
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 N	0	Lo	g Formation	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolog	,	Yes N	0	Name	9		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ N ☐ Yes ☐ N ☐ Yes ☐ N	0					
List All E. Logs Run:								
			SING RECORD s set-conductor, su	rface, inter		on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weig Lbs. /	jht	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 Plugs Set/Type Specify Footage of Each Interval Perforated					ement Squeeze Record I of Material Used)	Depth			
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed P	roduct	on, SWD or ENH	ર .	Producing N		oing	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITION	N OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTER	RVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Uually (Submit)		Commingled (Submit ACO-4)		
(If vented, Subm	nit ACC	-18.)		Other (Specify)					

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				TICKET NUM	3. 3.	3198
	DNSOLIDATED				· • • • • • • • • • • • • • • • • • • •	
	ll Well Services, LLC	•		FOREMAN /		10
	- 17				f an /V la	acr
PO Box 884, Cha 620-431-9210 or	anute, no 00720	ELD TICKET & TRE CEME		URI		
DATE	CUSTOMER# WE	LL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-28-11	7823 Hander	1 5 Ker 4.	SF 2D		241	MI
CUSTOMER		7 61	1500/870/2000	Martin Science		ALLER POR
Somerse	+ Energy 0	oun Dil	TRUCK#	DRIVER	TRUCK#	DRIVER
MAILING ADDRES	5		516	DanM	Sutter	y Mees
16205.	NAO	ZIP CODE	368	Arlenn	AN	μ
	STATE	106071	548	Verelsm_	UM	
Papla	165					•
юв түре <u><i>юц с</i></u>	HOLE SIZE	578 HOLE DEP	тн <u>499</u>	CASING SIZE & V	VEIGHT	2
CASING DEPTH	180 DRILL PIPE	TUBING	· · · · · · · · · · · · · · · · · · ·		OTHER 47	5 10.07
SLURRY WEIGHT	SLURRY VOL	WATER ga	l/sk	CEMENT LEFT IN	CASING	· · · · · · · · · · · · · · · · · · ·
DISPLACEMENT	23/4 DISPLACEME	NT PSI_ <u>800</u> _MIX PSI_	2075	RATE 4	2pm	
REMARKS: Ho	12 crew m	eel Eistabl	ligh rates	Mixd	punin	2)004
cred for	Howed by	68 GK 50/50	2 cem pi	42 200	geli	•
Circul	ated cemen	F. Flushed	Rund	Pumper	plya	70
Din. W	ell held 800	PSI For 3	Dminute	MIT	Clarge	rd :
Value.						
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ACCOUNT	QUANITY or UNITS	DESCRIPTION	of SERVICES or PR	Орист		TOTAL
CODE						
5401	/	PUMP CHARGE		• •	· · · ·	1030.00
5406		MILEAGE			l 	
5402	480	casing to	otyge			
5407	1/2 Min	Kon mile	<u>p</u>			17500
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UTHORIZTION	(X eiter login	TITLE	· · ·	-	DATE	· · ·

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A UTHORIZITON ______ DATE______ DATE______ 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

Miami County, KS Well: N. Hansen SW-4 Lease Owner: TOC

Town Oilfield Service, Inc. Commenced Spudding: (913) 837-8400 12/16/2011

WELL LOG

Thickness of Strata	Formation	Total Depth
0-7	Soil-Clay	7
16	Lime	23
43	Shale	66
14	Lime	80
11	Shale	91
4	Lime	95
15	Shale	110
25	Sandy Shale	135
11	Lime	146
15	Shale	161
28	Lime	189
4	Shale	193
20	Lime	213
5	Shale	218
2	Lime	220
5	Shale	225
5	Lime	230
5	Shale	235
2	Lime	237
2	Shale	239
6	Sand	245
14	Shale	259
1	Sand	260
18	Core	278
22	Sandy Shale	310
29	Shale	339
31	Sandy Shale	370
9	Shale	381
2	Lime	383
12	Sandy Shale	395
5	Sand	400
3	Sandy Shale	403
1	Sandy Lime	404
1	Sand	405
17	Core	422
4	Sand	426
2	Lime	428
1	Sandy Shale	429
7	Shale	436
6	Lime	442

Miami County, KS Well: N. Hansen SW-4 Lease Owner: TOC

Town Oilfield Service, Inc. Commenced Spudding: (913) 837-8400 2011

2	Shale	444
4	Lime	448
6	Shale	454
9	Lime	463
19	Shale	482
3	Lime	485
14	Shale	499-TD