

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1108950

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 Cast / 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:
	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
OG GSW Temp. Abd.	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:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	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 #:	Operator Name:
SWD Permit #:	Lease Name: License #:
ENHR Permit #:	Quarter Sec TwpS. R East West
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

	Side Two	1108950
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 Shee	ets)	Yes	No	Lo	-	n (Top), Depth an		Sample
Samples Sent to Geologi	cal Survey	Yes	No	Nam	e		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted Electronically (If no, Submit Copy)		☐ Yes ☐ ☐ Yes ☐ ☐ Yes ☐	No					
List All E. Logs Run:								
		CA	SING RECORE	D Ne	w Used			
		Report all string	gs set-conductor,	surface, inte	rmediate, product	ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)		eight s. / 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 RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	TUBING RECORD: Size: Set At:				Packer	r At:	Liner R	un:	No	
			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
DISPOSITION OF GAS:			METHOD OF COMPLETION:			PRODUCTION INT	ERVAL:			
Vented Sold Used on Lease			Open Hole Perf. Dually ( (Submit AC)			Commingled (Submit ACO-4)				
(If vented, Submit ACO-18.)				Other (Specify)						

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

Douglas County, KS<br/>Well: Pearson 21Town Oilfield Service, Inc.Commenced Spudding:<br/>1/4/2013 Lease Owner: R.T. Enterprises

## WELL LOG

## 15-045-21840=00-00

Thickness of Strata	Formation	Total Depth
0-4	Soil-Clay	4
81	Sand	85
132	Shale	217
6	Lime	223
7	Sandy Shale	230
13	Lime	243
7	Shale	250
8	Lime	258
4	Shale	262
19	Shale	281
12	Shale	293
23	Sand	316
18	Lime	334
20	Sand	354
54	Shale	408
22	Lime	430
12	Shale	442
5	Shale	447
7	Lime	454
23	Shale	477
17	Lime	494
5	Shale	499
1	Lime	500
14	Shale	514
22	Lime	536
9	Shale	545
23	Lime	568
4	Shale	572
4	Lime	576
3	Shale	579
5	Lime	584
117	Shale	701
3	Sandy Shale	704
10	Sand	714
9	Sandy Shale	723
33	33 Shale	
7	Lime	763
19	Shale	782
1	Lime	783
13	Shale	796

Douglas County, KS Town Oilfield Service, Inc. Commenced Spudding: Well: Pearson 21 (913) 837-8400 1/4/2013 Lease Owner: R.T. Enterprises

8	Shale	804
3		
17	Lime	807
2	Shale	824
	Lime	826
1	Shale	827
1	Lime	828
25	Shale	853
1	Lime	854
5	Shale	859
8	Sandy Shale	867
3	Sand	870
4	Sand	874
20	Sand	894
18	Sand	912
1	Sandy Lime	913
67	Shale	980-TD
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		]

# Short Cuts

TANK CAPACITY

BBLS. (42 gal.) equals D<sup>2</sup>x.14xh D equals diameter in feet. h equals height in feet.

BARRELS PER DAY Multiply gals. per minute x 34.2

HP equals BPH x PSI x .0004 BPH - barrels per hour PSI - pounds square inch

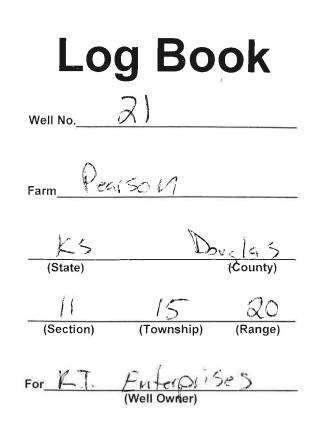
## TO FIGURE PUMP DRIVES

\* D - Diameter of Pump Sheave \* d - Diameter of Engine Sheave SPM - Strokes per minute RPM - Engine Speed R - Gear Box Ratio \*C - Shaft Center Distance

D - RPMxd over SPMxR d - SPMxRxD over RPM SPM - RPMXD over RxD R - RPMXD over SPMxD

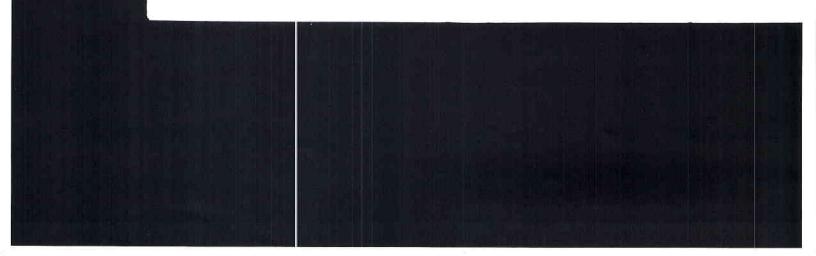
BELT LENGTH - 2C + 1.57(D + d) +  $(\frac{D-d}{4C})^2$ 

\* Need those to figure belt length WATTS = AMPS VOLTS = 746 \VATTS equal 1 HP



Town Oilfield Services, Inc.

1207 N. 1st East Louisburg, KS 66053 913-710-5400

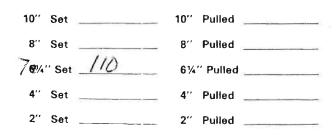


Pearson Farm: Dovigla S County S\_\_ State; Well No. \_ a 10:36 Elevation Jan 41 20 Commenced Spuding Jan 8 Finished Drilling WESE Driller's Name **Driller's Name Driller's Name** Ward Tool Dresser's Name **Tool Dresser's Name** Tool Dresser's Name TOS Contractor's Name 20 15 11 (Section) Township) (Range) 2440 Distance from line, ft. E 1100 Distance from \_ line, ft. 15 his

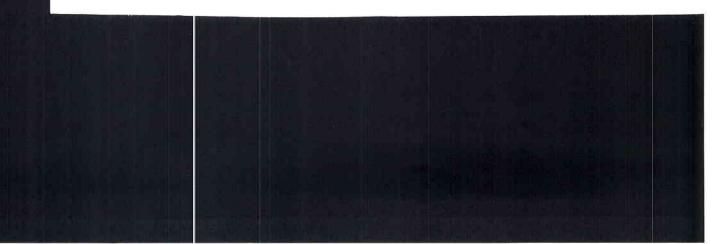
## CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
932.	6	Ba	H	P	
962.	4	41	09.4	~	
<u>~1@%</u> 。					71
				-2-	Id
				1138 - <b>V</b> o	15
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			-		
				L-	

CASING AND TUBING RECORD



-1-



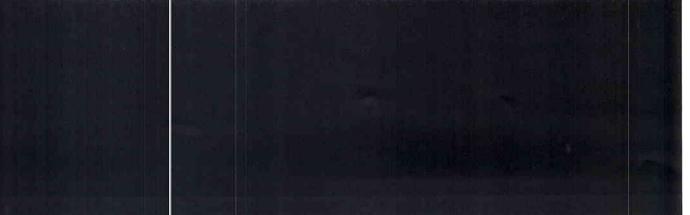
Thickness of Strata	Formation	Total Depth	Remarks
6-4	301 - Clay	4	
81	Sand	\$5	57'-water
132	Shale	217	
67	Lime	223	7
7	Sandy Shalt	230	
13	Lime	243	
7	Shale -slate	250	
З	Lime	258	
4	Shale	262	
19	shele & shells	281	
12	Shale & realbed	293	
23	Sand & Sandyshale		no Oil
18	Limetshells	334	
20	Sand & Sandy Shale	354	no Oil
54	Shale	408	
22	Lime	430	
12	shalt	442	
5	shale & lime	447	
7	Lime	454	
23	Shale	477	
17	Lime	494	
5	Shalk	499	
1	Limit	500	
14	Shale	514	
22	Lince	536	
9	shale	545	
23	Lime	566	-

		568	
Thickness of Strata	Formation	Total Depth	Remarks
4	shale -slate	572	1
4	Linne	576	
3	shale	574	
5	Lime	584	Hertha
117	Shale	701	
3	Shalt Sandy shalt	704	
10	Sand	714	no Dil
01	Saindy Shailt	723	
33	shale	756	
7	Lime	763	
19	shalt	782	
l	Livne	783	
13	Shalt & lime	794	
8	shall-e	804	
3	Lime	807	
17	Shale	824	
2	Lime	826	
1	Shelt	827	
1	Linne	828	
25	Shale	853	
/	Lime	854	
5	Shale	859	
8	Sandy Shale	867	
3 4	sand	870	bisken - 10% 0;1
	Sand	874	610Ken - 50 % 6:1
20	saud.	894	broken 25,% Dil
145	Sand	912	solid- apod saturation
	-4-		-5-

÷



		912	
Thickness of Strata	Formation	Total Depth	Remarks
1	Sandy lime	913	no Di I
67	Sandy lime	980	TD
		4	
			10
	-6-		-7-



39068 TICKET NUMBER OCATION O./

3ox 884, Cha	anute, KS 00/20	ELI) TICKET & TRE CEME		UKI	8	
431-9210 or DATE	800-467-8676 CUSTOMER# WE	LL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
0/12	Pearso	m # 21	SE 11	15	26	DG
TOMER			and the second se	the second second second	<u></u>	4
Dje	nroc		TRUCK#	DRIVER	Soffer	DRIVER
LING ADDRES	na in the second		506	Fre Nad	10	ng
120	Shore In D	ZIP CODE	495	HarBer	AD .	
Y , ,		They served the served of the	369	Der Mas	PET	
Louisp		66053	<u>сть</u> ртн <u>980'</u>	Set-Tuc CASING SIZE & W	FIGHT 7/16	EUE
З ТҮРЕ	HOLE SIZE	HOLE DE			OTHER	
SING DEPTH_		Boffle AntuBING	<u> </u>	CEMENT LEFT In (		Plu + 30
IRRY WEIGH			al/sk	RATE 'SBPM		0
PLACEMENT	S. 42 3 BOISPLACEME	INT PSI MIX PSI	1 0 11 0 # 1 1			
	stablish pump r	CL. YMIX + PUT	201 / 1 / L	Frush MI	K-Imp	
131	SKS 50/50 Poz	Mix Cement		wat to su		
Flu	sh pump + 1.	nis clean. D		5" Rubber		
- bar	Aflein casin			ASI. Rolle		
Dre	ssure to s'	af float .Ve	alve, she	ot m Cas	ing	
1				4		
				- it no	1 0	
To	5 Drilling - 2	U.s. hey	<u> </u>	Taxi	Nadu	
ACCOUNT	QUANITY or UNITS	DESCRIPTIO	N of SERVICES or PF	RODUCT	UNIT PRICE	TOTAL
CODE	1	PUMP CHARGE		495		10300
5401	20 mi	MILEAGE	•	495		80 95
5406		Casing Foo	too.			NIC
5402	9.87		/	510		1250
5407	1/2 Minimum			369	· · · · ·	135
5502C	1/2 h-	80 BBL Va	Le Truck	1307		100
			AL /1-	80		1434
1124	131345	and an other statements and a statements of the	I'v Comont	<u> </u>		in the second second
	131 5K5 320#	Premium (	iel	<u>`</u>		67
1118B	131 5 Ks 3 20#	and an other statements and a statements of the	iel	<u> </u>		- 2800
	131 3 Ks 3 20#	Premium (	iel	<u> </u>		
1118B	131 3 Ks 3 20#	Premium (	iel	•		- 2800
1118B	131 3 Ks 3 20#	Premium (	iel	•		- 2800
1118B	131 3 Ks 3 20#	Premium (	iel	• • •		- 2800
1118B	131 3 Ks 3 20#	Premium (	iel	•		- 2500
1118B	131 3Ks 320# /	Premium (	iel			- 2800
1118B	131 3 Ks 320# 1	Premium (	iel			- 2500
1118B	131 s Ks 320# 1	Premium (	iel			- 26 90
1118B	131 3 Ks 3 20#	Premium (	iel	7.3%	SALES TAX	- 2500
1118B	131 3 Ks 3 20# 1	Premium (	iel		SALES TAX ESTIMATED	- 28 99
1118B 4402	131 sks 3204 1 1 Wesley Dollard	Premium (	iel		SALES TAX	- 26 90

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