

Confidentiality Requested:

Yes No

### Kansas Corporation Commission Oil & Gas Conservation Division

1231978

Form ACO-1 August 2013 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 🗌 East 🗌 West		
Address 2:	Feet from		
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 #	GPS Location: Lat:, Long:		
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)		
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84		
Purchaser:	County:		
Designate Type of Completion:	Lease Name: Well #:		
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:		
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:	Producing Formation:  Elevation: Ground: Kelly Bushing: Feet  Total Vertical Depth: Plug Back Total Depth:  Amount of Surface Pipe Set and Cemented at: Feet  Multiple Stage Cementing Collar Used? Yes No  If yes, show depth set: Feet		
Operator:	If Alternate II completion, cement circulated from:		
Well Name: Original Total Depth: Original Total Depth:	feet depth to: w/ sx cmt.  Drilling Fluid Management Plan		
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)		
Commingled         Permit #:           Dual Completion         Permit #:	Chloride content: ppm Fluid volume: bbls  Dewatering method used:		
☐ SWD Permit #:	Location of fluid disposal if hauled offsite:		
ENHR Permit #:	Operator Name:		
GSW Permit #:	Lease Name: License #:		
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter Sec.         TwpS. R East West           County:         Permit #:		

#### **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					
Confidentiality Requested					
Date:					
Confidential Release Date:					
Wireline Log Received					
Geologist Report Received					
UIC Distribution					
ALT I II III Approved by: Date:					

Page Two



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ving and shut-in pressu	ormations penetrated. I Ires, whether shut-in pro ith final chart(s). Attact	essure reached stat	ic level, hydrosta	tic pressures, bo		
		otain Geophysical Data or newer AND an image		ogs must be ema	iled to kcc-well-	logs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taker (Attach Additional		Yes No			on (Top), Depth a		Sample
Samples Sent to Geo	ological Survey	Yes No	Nam	ne		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
			i RECORD No	ew Used	ion etc		
Durance of String	Size Hole	Size Casing	Weight	Setting	Type of	# Sacks	Type and Percent
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.	Depth	Cement	Used	Additives
		ADDITIONA	L CEMENTING / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used		Type and	Percent Additives	
Perforate Protect Casing	100 20110111						
Plug Back TD Plug Off Zone							
1 ldg 5 ll 25 ll5							
Did you perform a hydra	ulic fracturing treatment or	n this well?		Yes	No (If No, s	kip questions 2 ar	nd 3)
	=	aulic fracturing treatment e	_	? Yes		kip question 3)	
Was the hydraulic fracture	ring treatment information	submitted to the chemical	disclosure registry?	Yes	No (If No, fi	II out Page Three	of the ACO-1)
Shots Per Foot		N RECORD - Bridge Plug potage of Each Interval Pe			cture, Shot, Cemer		d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes N	0	
Date of First, Resumed	Production, SWD or ENF	IR. Producing Met	hod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf Wat		bls.	Gas-Oil Ratio	Gravity
DISPOSITI	ION OF GAS:		METHOD OF COMPLI	ETION:			ON INTERVAL:
Vented Sold		Open Hole			nmingled	FHODUCIK	JIN IINTERVAL.
	ubmit ACO-18.)	Other (Specify)	(Submit		mit ACO-4)		



## 269710

LOCATION Oxtawa KS
FOREMAN Fred Made

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

# FIELD TICKET & TREATMENT REPORT CEMENT

Names City Mo. 64112  JOB TYPE Long SEX No. HOLE SIZE 578 HOLE DEPTH 900 CASING SIZE & WEIGHT 276 FUE  SAING DEPTH 570 DILL PIPE  SURRY WEIGHT  SURRY VOL. WATER GAING. CEMENT LEFT IN CASING 22 "FUBBLE  SURRY WEIGHT  SURRY WOL. WATER GAING. CEMENT LEFT IN CASING 22 "FUBBLE  SHARKS: Hold Crow Safety Must be said for the RATE 4 BPM  IND 46 of flosh. Mr. & Rudy  IND 54 of flosh. Mr. & Rudy  IND 46 of flosh. Mr. & Rudy  IND	DATE	CUSTOMER#	WELL	. NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
TRUCK# DRIVER TRUCK# DRIVER  TRUCK#	7:10.14	6370	Sauye	r # 9.	エ			22	०८
MAINTS ADDRESS  801 West 47th 51 Ste 40.  801 West 47th 51 Ste 40.  STATE ZPCODE  Kanses City Mo. 64112  State ZPCODE  Kanses City Mo. 64112  State ZPCODE	CUSTOMER '	1		_			<del></del>	TDUO:	
BOI West 47th St Ste 40  STATE ZIP CODE  TWANSOS CITY MO. 64112  JOSTYPE Long SEVIN HOLE SIZE STE HOLE DEPTH 900 CASING SIZE & WEIGHT 2 TO FULL PIPE  SARING DEPTH 670 DRILL PIPE  TUBING  SCHERT WEIGHT  SLURRY VOL WATER gallow  REMARKS: Hold Crew Safety Must by Establish Do mo rax. Mixt Purp  JOST Gel Flush. Mix y Purp  JOST Gel Flush Dump t has clean.  Displace 2½ Rubber plus to coency To Pressure to Soft  Hoad Valve. Shu't in Cenny  ACCOUNT  COUNT  GUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  JOST Gel Total  ACCOUNT  GUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  JOST Mix mum  ACCOUNT  GUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  JOST Mix mum  ACCOUNT  GUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  JOST Mix mum  ACCOUNT  GUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  JOST MIX MILEOUT  JOST MIX MUM  ACCOUNT  ACCOUNT  ACCOUNT  GUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  JOST MIX	MAILING ADDRE	SS / 4	chus/ogi	S ANC.	1			TRUCK#	DRIVER
STY Kansas City Mo. 64112  JOB TYPE Long SRYIN, HOLE SIZE STE HOLE DEPTH 900 CASING SIZE & WEIGHT 276 FUE  CASING DEPTH 670 DRILL PIPE  SURRY VIEIGHT  SLURRY VOL  SURRY VIEIGHT  SLURRY VOL  SURRY VIEIGHT  SLURRY VOL  WATER GAING  CEMENT LEFT in CASING 2½ "PUBLIC  CEMENT LEFT in CASING  C			nth ca	5th 41					
Kausos (it Mo. 6412 503 Mik Fey Tronay 100 Type Long Style Hole bize 57% Hole depth 900 Casing size a weight 2% EUE TUBING DEPTH 8700 OTHER SLURRY WEIGHT 570 BRILL PIPE TUBING WATER galisk CEMENT LEFT IN CASING 2½ "Pubble NISPIACEMENT 5:06 BB DISPIACEMENT PSI MIX PSI RATE 4 BPM"  REMARKS: Hold Over Safety Must be 524 blish 10 mp rext. Mix 4 Pump 100 4 Gel flosh Mix 4 Rudy 110 s. 85 5050 Pa Mix Connext 2% Gel 10 mp rext. Mix 4 Pump 110 4 Gel flosh Mix 4 Rudy 110 s. 85 5050 Pa Mix Connext 2% Gel 10 mp rext. Mix 4 Pump 110 s. 85 5050 Pa Mix Connext 2% Gel 10 mp rext. Mix 4 Pump 110 s. 85 5050 Pa Mix Connext 10 Sulface. Elush 12 pump 1 kms clean.  Displace 2½ Rubber plus to coert 70 Plussure to 800 PSI.  Morniar flossure to 10 Mix Mix. Release pressore 40 Soft flow Value. Shut in Casing.  Evans Energy Dav. Tac Travis  Evans Energy Dav. Tac Travis  Fund Unit price Total  ACCOUNT CODE QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOTAL  SHOL 30 mi Mileage 495 1265  SHOL 30 mi mum Ton Miles 540 Pum 10 mi mum 10 mi mum 10 mi mix 10 mi mix 10 mi mix 10 mi mix 10 m	CITY	West 7	STATE	ZIP CODE	1				
HOLE TYPE LOWS STYLE HOLE SIZE 578 HOLE DEPTH 900 CASING SIZE & WEIGHT 276 EUE  ASSING DEPTH 870 DRILL PIPE TUBING OTHER  SURRY WEIGHT SLURRY VOL WATER GAIVE CEMENT LEFT IN CASING 22 PUBLIC PROPERTY SI OF BOOK SURRY WEIGHT SLURRY WEIGHT SLURRY WEIGHT SHOULD WATER GAIVE CEMENT LEFT IN CASING 22 PUBLIC PROPERTY SI OF BOOK STORES TO BOOK STAKE MICH YOUR STAKE THE YEAR OF THE YEA		- C:L	Mo.	64412					
DESIGNED DEPTH 870 DRILL PIPE TUBING SLURRY WEIGHT SLURRY VOL WATER GAIVER CEMENT LEFT IN CASING 2/2" PUBLIC RATERY SLURRY WEIGHT SLURRY WEIGHT SLURRY WEIGHT SLURRY WEIGHT SLURRY WEIGHT SLURRY WATER GAIVER CEMENT LEFT IN CASING 2/2" PUBLIC RATERY SLOWERS SO DE MAN PRINT PROME MARKES: Hold Crew Safety Must by Stabilish form raxi. Mixt form.  REMARKS: Hold Crew Safety Must by Establish form raxi. Mixt form.  IND # Gel flosh. Mixt Rudge 110 SRS 50/50 For Mix Concerd 270 fell Wife Flo Scallsk. Concerd to SRS 50/50 For Mix Concerd 270 fell Wife Flo Scallsk. Concerd to SRS 50/50 For Mixt Concerd 270 fell Wife Floss of Stabilish for PLOSAL SHAP NO.  Evans Energy Day: Trac Travis  Account of Services of Product  Unit price Total  1085**  Syol 370**  1085**	IOR TYPE	-46 58 V.h			⊣ − KOLE DEPTI	<del></del>	CASING SIZE & W	VEIGHT 2 1/6	EUE
SLURRY WEIGHT  SIEVARY WEIGHT  SIEVARY WEIGHT  SIEVAR WEIGHT  SIEVARY WEIGHT  SIEVAR WEIGHT  SETANT WEIGHT  SETANT WEIGHT  SETANT WEIGHT  SETANT WEIGHT  SIEVAR WEIGHT  SETANT WEIGHT  SETANT WEIGHT  SIEVAR WEIGHT  SETANT WEIGHT  SET				<u> </u>	_				<u> </u>
DISPLACEMENT S. 06 BB BISPLACEMENT PSI MIX PSI RATE 4BPM  REMARKS: Hold Creal Safety Meeting. Establish form rate. Mixt Pump  IDD St. 51 Connect to Surface, Flush pumpt lives clean.  DISPLACE 2k. Connect to Surface, Flush pumpt lives clean.  DISPLACE 2k. Robber plus to coerce To Prossure to 800 PSI.  Monitor Pressure for 30 Mix Mix. Release pressere to 50t to 10 North Coope  Frank Energy Dow. The Travis  Evans Energy Dow. The Travis  Evans Energy Dow. The Travis  Frank Madu  ACCOUNT COOPE  QUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  UNIT PRICE  TOTAL  1085-9  Syol 30m; MILEAGE 495 1085-9  Syol 30m; MILEAGE 495 1085-9  Syol 30m; MILEAGE 495 1086-9  Syol 30m; MILEAGE 495					_	sk	CEMENT LEFT in		"Rubber
REMARKS: Hold Crew Safety Musting Establish form raxi. Mixt Porty 100 th Gel Flush. Mixt Pland 110 see 50/50 Por Mix Commend 270 full 40 Flo Soulfske. Connect to Surface, Flush Pumpt lives clean 120 full 120 flore 2k. Rubber plus to cosing TD Plassive to 800 PSI.  Mornitor Pressure for 30 Mix Mixt. Release pressure to 500 PSI.  Mornitor Pressure for 30 Mixt. Release pressure to 500 PSI.  Evans Energy Daw. The. Travis  Evans Energy Daw. The. Travis  Evans Energy Daw. The. Travis  ACCOUNT QUANITY or UNITS  DESCRIPTION of SERVICES or PRODUCT  UNIT PRICE  TOTAL  ACCOUNT QUANITY or UNITS  DESCRIPTION of SERVICES or PRODUCT  UNIT PRICE  TOTAL  1085°  5401  1 PUMP CHARGE  495  1085°  5402  Stole 30 Mix Mileage  495  1086°  5407  Miximum Ton Miles  5407  1124  110 See 50/50 Por Mix Cannot 1265°  1124  1107  28 Flo See 1 Material 1396 85  Less 36%  1397 85  Less 36%  1396 85  Less 36%  1397 85  Less 36%  1397 85  Less 36%  1397 85  Less 36%  1396 85  Less 36					_				7 00000
My Flo Seaffsk. Comment to Surface, Flush Pumpt Iras clean.  My Flo Seaffsk. Comment to Surface, Flush Pumpt Iras clean.  Displace 2k" Rubber plus to coerc To Plassive to \$00° PSI.  Mornifor Piessure for 20 Mix Mit. Release prossere to sat  flood Value. Shurt in Casing  Evans Energy Dav. Tac Travis  Fund Made.  ACCOUNT QUANTY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOTAL  CODE 3901 J PUMP CHARGE 495 1085°  SHOL 30 mi, MILEAGE 495 1085°  SHOL 30 mi, MILEAGE 495 1085°  SHOL Minimum Tan Miles 543 366°  SHOL Minimum Tan Miles 543 366°  1124 110 SKS 50/50 for Mix Cament 1265°  1167 28° Flo Seal Material 1396°  Less 36°0 - 1999°  White State Premium Cal 62°  Less 36°0 - 1999°  White State Premium Cal 1396°  Less 36°0 - 1999°  Total 877°  11402 1 2½" Rubber Plus 275°  Total 877°  Total 877°  Total 877°  Total 277°  Total 277°  Total 277°  Total 277°  Total 277°  Total 277°						blich a			Potens
My Flo Soulisk. Coment to Surface. Flush Dumpt lives clear.  Displace 2th Rubber plus to coerty To Pressure to 800 PS/.  Mornifor Pressure for 30 Mix Mix. Release pressure to Soft the Value. Shurt in Cestry  Evans Energy Day. Tac Travis  Evans Energy Day. Tac Travis  Account Quanity or units Description of services or PRODUCT Unit PRICE TOTAL Style 30 mi, MILEAGE 495 /265 Sept 1265 Sept	100 4				110		- A	~ .	
Displace 2th Rubber plus to casing TD Piessive to \$00 PS/.  Mornitor Piessive for 3D Mix Mix. Ralease pressere to sat the Value. Shurt in Casing  Evans Energy Day. The Travis  ACCOUNT QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOTAL 5401  1 PUMP CHARGE 495 /285 1085 5406 30 mi; MILEAGE 495 /266 5402 870 Casing fool age 195 /266 5402 870 Casing fool age 195 106 5602 30 mi; MILEAGE 495 367 3660 3660 3660 3660 3660 3660 3660	WE E		ck. Con	Lent to	Sustago			contens a	70 ULL
Mornifor Pressure for 30 Min. Mil. Release pressure to set floor Valve. Shut M Ceshy  Evans Evergy Daw. Inc Travis Lumb Made  ACCOUNT QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOTAL  SYOL JOHN MILEAGE 195 1085 5  SYOL ROOM MILEAGE 195 1085 5  SYOL ROOM MINITY OF UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOTAL  SYOL JOHN MILEAGE 195 1085 5  SYOL ROOM MILEAGE 195 1085 1085 1085 1085 1085 1085 1085 108	7:c/	1/40 5%	" R. 66.	plus +	a CASACO	TOD	Lacery L	SOO P	51
Evans Energy Day. Inc Travis full Made.  ACCOUNT CODE QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOTAL  5401 1 PUMP CHARGE 495 1285 1285 1285 1285 1285 1285 1285 128		Jac Poss	cia to	5 90	M > M	Y. D. (a)			
Evans Energy Day: Inc Trayis fund Madia  ACCOUNT CODE  ACCOUNT CODE  SYD			ما لاساک	Casha		A LO	THE PROPERTY	1 T V ON	
ACCOUNT CODE  ACCOUNT CODE  GUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  UNIT PRICE  TOTAL  5401  1 PUMP CHARGE  495  626  5406  30 m; MILEAGE  5407  Minimum  Ton Miles  5602C  2hrs  80 BBL Vac Truck  367  1184  110 SKS  50/50 for Mix Cannot  1187  1188  285**  Premium Cel  622  1197  28**  Flo Sell  Material  1396  629  4402  1402  1403  1396  877  90  90  1403  1403  1404  1265*  1396  1396  877  887  887  887  887  887  887  8	7 104	yaxbe.	<u> </u>		•				
ACCOUNT CODE  ACCOUNT CODE  GUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  UNIT PRICE  TOTAL  5401  1 PUMP CHARGE  495  626  5406  30 m; MILEAGE  5407  Minimum  Ton Miles  5602C  2hrs  80 BBL Vac Truck  367  1184  110 SKS  50/50 for Mix Cannot  1187  1188  285**  Premium Cel  622  1197  28**  Flo Sell  Material  1396  629  4402  1402  1403  1396  877  90  90  1403  1403  1404  1265*  1396  1396  877  887  887  887  887  887  887  8						<del></del>			
ACCOUNT CODE  ACCOUNT CODE  GUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  UNIT PRICE  TOTAL  5401  1 PUMP CHARGE  495  626  5406  30 m; MILEAGE  5407  Minimum  Ton Miles  5602C  2hrs  80 BBL Vac Truck  367  1184  110 SKS  50/50 for Mix Cannot  1187  1188  285**  Premium Cel  622  1197  28**  Flo Sell  Material  1396  629  4402  1402  1403  1396  877  90  90  1403  1403  1404  1265*  1396  1396  877  887  887  887  887  887  887  8	Fva	us Evan	Day 7	Tur. Tu	مراند ماند		T. D. M.	0.	
CODE	- 40	MS - KER	7	<i>y</i> cc - ///	XV13		THE THE	aus	
5401   PUMP CHARGE	ACCOUNT	QUANITY	or UNITS	DE	SCRIPTION of	f SERVICES or P	RODUCT	UNIT PRICE	70741
1/24   1/0 sks   50/50 for Mix Carnest   12650   1/2650		QUARTI						UNIT PRICE	
5407 Minimum Ton Miles 543 368° 368° 360° 200° 200° 200° 200° 200° 200° 200° 2			<del></del>	<del>i                                      </del>	<u> </u>				1085-00
5407 Minimum Ton Miles 503 368° 368° 360° 360° 360° 360° 360° 360° 360° 360				t	<u> </u>	<del></del>	495		12600
1124 110 SKS 50/50 for Mix Coment 12650  1118 285 Premium Cel 6220  1107 28 Flo Seel 1396 80  Less 36% - 499 90  1402 1 2/2" Rubber Plug 2750  331 N. 48  2750 SALESTAX 68 384  2774 6	5402								
1124 110 SKS 50/50 for Mix Come of 126500  111 fB 285 # Premium Cel 6200  1107 28 # Flo Se-D 6960  Material 1396 86  Less 36% - 499 08  Total 897 80  4402 1 2/2" Rubber Plug 2950  31 N. 180  31 N. 180  TOTAL 2774 6	5407	Minin					593		<u> </u>
1124 110 SKS 50/50 for Mix Come of 126500  111 fB 285 # Premium Cel 6200  1107 28 # Flo Se-D 6960  Material 1396 86  Less 36% - 499 08  Total 897 80  4402 1 2/2" Rubber Plug 2950  31 N. 180  31 N. 180  TOTAL 2774 6	56020		2hrs	80 36	4 Vac	Truck	369		20000
111 FB 285" Premium Cel 6220  1107 28" Flo Sel (696)  Material 1396 86  Less 36% - 499 95  Total 897 80  4402 1 2/2" Rubber Phus 2950  331 M. 48  TOTAL 2774 6									
111 FB 285" Premium Cel 6220  1107 28" Flo Sel (696)  Material 1396 86  Less 36% - 499 95  Total 897 80  4402 1 2/2" Rubber Phus 2950  331 M. 48  TOTAL 2774 6						<del></del>			
111 FB 285" Premium Cel 6220  1107 28" Flo Sel (696)  Material 1396 86  Less 36% - 499 95  Total 897 80  4402 1 2/2" Rubber Phus 2950  331 M. 48  TOTAL 2774 6	1124			50/50	Por Mix	Coment		126550	
107 28" Flo Sel (696)  Material 1396 86  Less 36% - 499 95  Total 897 80  212" Rubbar Plug 275°  314.48  Total 3737  SALES TAX (68 38  ESTIMATED TOTAL 2774 6	MFB		85#	Premi	um Gel	٧		6270	
Matorial 1396 86  hess 36% - 499 95  Total 877 80  4402 1 2/2" Rubbar Plug 29 50  314.48  7.37.5% SALES TAX 68 38  ESTIMATED TOTAL 2774 6			28#	F10 5-	هـ			1916	
1 2/2" Rubber Phys 29 5 33/14.48)  33/14.48  7-325% SALES TAX 68 58  ESTIMATED TOTAL 27746						torial		1396 86	
4402 1 2/2" Rubbar Phug 275°  33/4.48:  7.37.5% SALES TAX 68° ESTIMATED TOTAL 27746						Less 3	6%	- 499 OB	
2/2" Rubber Plug  3 31 M. 48  7.37.5% SALES TAX ESTIMATED TOTAL 27746						<del></del>			897 80
3 31 M. 48 7.325% SALES TAX 6 8 38  ESTIMATED TOTAL 2774 6	4400		1	2/2" /	lubbar 1	Phys	,		22500
avin 3737  SALES TAX 6 8 38  ESTIMATED TOTAL 2774 6						Ø.			
avin 3737  SALES TAX 6 8 38  ESTIMATED TOTAL 2774 6							001N 48		
avin 3737  SALES TAX 6 8 38  ESTIMATED TOTAL 2774 6							3 N 11		
avin 3737 SALES TAX (6 & 38 ESTIMATED TOTAL 2774									
ESTIMATED TOTAL 2774							7.37.5%	SALES TAX	10 C 38
TOTAL 2714°	Ravin 3737							ESTIMATED	- H
AUTHORIZTIONDATE	AUTHORIZTION.				TITLE			TOTAL	2714

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



### Oil & Gas Well Drilling Water Wells Geo-Loop Installation

Phone: 913-557-9083 Fax: 913-557-9084

Paola, KS 66071

#### WELL LOG

Petroleum Technologies, Inc. Sawyer #9i API #15-091-24,322 July 9 - July 10, 2014

Thickness of Strata	<u>Formation</u>	<u>Total</u>
13	soil & clay	13
15	shale	28
4	lime	32
3	shale	35
16	lime	51
8	shale	59
9	lime	68
8	shale	76
22	lime	98
· 16	shale	114
24	lime	138
8	shale	146
53	lime	199
18	shale	217
9	lime	226
22	shale	248
4	lime	252
3	shale	255
12	lime	267
42	shale	309
24	lime	333
11	shale	344
22	lime	366
3	shale	369
16	lime	385 base of the Kansas City
165	shale	550
5	lime	555
14	shale	569
2	lime	571
18	shale	589
4	lime	593
14	shale	607
3	lime	610
27	shale	637
2	lime	639
70	shale	709
10	broken sand	719 brown & grey, light bleeding
20	shale	739
3	lime	742

## Sawyer #9i Page 2

88	shale	830
5	limey sand	835
12	shale	847
1	coal	848
52	shale	900 TD

Drilled a 9 7/8" hole to 20' Drilled a 5 5/8" hole to 900'

Set 20' of 7" casing cemented with 5 sacks cement.

Set 869.8' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, and 1 clamp.