

Kansas Corporation Commission Oil & Gas Conservation Division

1081079

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:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City:	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
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.):	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: sx cmt
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 Conv. to GSW	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 #:	Lease Name: License #:
SWD Permit #:	Quarter Sec Twp S. R
☐ ENHR Permit #: ☐ GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or 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.

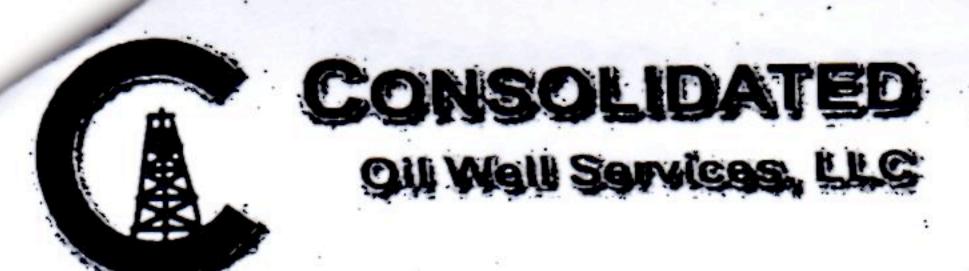
Submitted Electronically

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 Operator Name: _____ _____ Lease Name: ___ ____ Well #: ____ County: ___ re lir

time tool open and clo recovery, and flow rate line Logs surveyed. At	s if gas to surface tes	in pressur t, along w	es, whether sl th final chart(s	hut-in press	sure read	ched static level,	hydrostatic p	ressures, bottom h	ole tempe	erature, fluid
Drill Stem Tests Taken Yes No (Attach Additional Sheets)			Log Formation (Top), Depth and Datum				☐ Sample			
Samples Sent to Geol	ngical Survey	Yes	s No		Nam	е		Тор	D	atum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy,	l Electronically	Yes	S No							
List All E. Logs Run:										
		Repor	CASING all strings set-c		Ne	ew Used ermediate, producti	ion, etc.			
Purpose of String	Size Hole Drilled		Casing In O.D.)	Weig Lbs./			Type of Cement	# Sacks Used	Type and Perce	
Purpose:	Depth					JEEZE RECORD				
Perforate Protect Casing Plug Back TD Plug Off Zone	Top Bottom	Туре с	Type of Cement # Sacks		Used		Type a	nd Percent Additives		
Shots Per Foot	PERFORATIO Specify F	N RECORE) - Bridge Plugs ach Interval Perf	s Set/Type			cture, Shot, Cer	ment Squeeze Recor	d	Depth
						,				
TUBING RECORD:	Size:	Set At:		Packer At	::	Liner Run:	Yes	No		
Date of First, Resumed I	Production, SWD or ENF	IR.	Producing Meth Flowing	od:	g 🗌	Gas Lift C	Other (Explain) _			
Estimated Production Per 24 Hours	Oil E	sbls.	Gas	Mcf	Wat	er B	bls.	Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:		_	METHOD OF				PRODUCTIO	ON INTERV	AL:
Vented Sold	Used on Lease		ben Hole	Perf.	Dually (Submit)		nmingled mit ACO-4)			



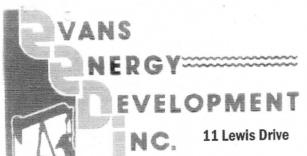
TICKET NUMBER 36513
LOCATION Oxtawa Ks
FOREMAN 500 d WA - de

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

FIELD TICKET & TREATMENT REPORT CEMENT

MAILING ADDRESS 6421 Avon Loll Dr. CITY OILLA have City OILLA hour Casing OIL	YTNUC
DISTOMER To water Jur. MALLING ADDRESS Ly 21 Avon dal Dr. Ly 21 Avon dal Dr. Ly 21 Avon dal Dr. O 1/12 hours City O 1/12 hours Casino Size Weight	4N
MAILING ADDRESS 6421 Avon dale Dr. STATE ZIPCODE 10421 Avon dale Dr. O'Llahoma City O'Lla	
GITY OILLA hand City OILLA hand OILLA hand City OILLA hand OILLA	RIVER
CITY OILLA hana City OIL 3/16 TUBING CASING SIZE & WEIGHT 2/6 CL WHITH SING COMMAND COMMAND CL CASING SIZE & WEIGHT 2/6 CL COMMAND COMMAND CL COMMAND COMMAND CL CASING SIZE & WEIGHT 2/6 CL CASING SIZE & WEIGHT 2/6 CL COMMAND COMMAND CL COMMA	Z
Ollahama (ity Oll 7316 548 MIKHAR MH JOB TYPE Long Skinny Hole Size 57% Hole DEPTH 762 CASING Size & WEIGHT 2% GL CASING DEPTH 752 DRILL PIPE TUBING OTHER SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 2/3" Plu DISPLACEMENT 4.37 DISPLACEMENT PSI MIX PSI RATE 58PM P REMARKS: Establish pump rate. Mix + Pump 100 Premium Cal Flugh, Mix + Pump 1/2 S/15 50/50 Por Mix (ement 2% Cal Come to Sutface, Flugh pump + Lines clean Displace 2/4" rubber plug to cosing TD Pressure to 800 PSI. Hole 4 Monitor Pressure for 30 Mm. MIT Folease pressure to set float value. Shut in Casing ACCOUNT CODE ACCOUNT ACCOUNT ACCOUNT CODE ACCOUNT	
JOB TYPE LONG STAND HOLE SIZE 57k HOLE DEPTH 762 CASING SIZE & WEIGHT 21k GC CASING DEPTH 752 DRILL PIPE TUBING OTHER SLURRY WEIGHT SLURRY VOL WATER GAISK CEMENT LEFT IN CASING 21/2" PIL DISPLACEMENT 4-37 DISPLACEMENT PSI MIX PSI RATE 5 PM P REMARKS: Establish pump rate. Mix + Pump 100 Norming Cal Flush, Mix + Pump 1/2 SIKS 50/50 Po Mix (ement 276 Cal Come to Sulface. Flush pump + Lines clean. Displace 21/2" ruble a plush pump + Lines clean. Displace 21/2" ruble a plush pump + Lines clean. Displace 21/2" ruble a plush to cosing 70- Pressure to 800 PSI- Hole 4 Monitar firsssure for 30 Min. MIT. Release pressure to set float value. Shut in Casing ACCOUNT CODE ACCOUNT CODE QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE STOR MILEAGE 5-407 M	
JOB TYPE Long Skin HOLE SIZE 37% HOLE DEPTH 762 CASING SIZE & WEIGHT 752 DRILL PIPE TUBING OTHER SLURRY WEIGHT SLURRY VOL WATER gallsk CEMENT LEFT in CASING 2/3" Plu DISPLACEMENT 437 DISPLACEMENT PSI MIX PSI RATE 5APM O REMARKS: Establish pump rate Mix t Pump 100 Premium Cal Flush, Mix t Pump 1/2 SIUS 50/50 Por Mix (errent 2% Cal Ceme to SUN Face, Flush pump t lines clean. Displace 2/2" rubber plug to rossing To. Pressure to 800 PSI. Hole to Monitor Pressure for 30 Mm. MIT. Release pressure to sext float value. Shut in Casing Evans Energy Dev. Time Tvovis Two Vis Truble of Services or PRODUCT UNIT PRICE ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE STOD DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE STOD TO MILEAGE 5407 MILEAGE 5408	_
EVANS EVERGY DEU. JACCE TVOU'S ACCOUNT CODE ACCOUNT CODE	
DISPLACEMENT 4.37 DISPLACEMENT PSI MIX PSI RATE 58PM REMARKS: Establish pump rati. Mix + Pump 100* Premium Cal Flush, Mix + Pump 1/2 SIKS 50/50 Por Mix (emant 270 hal. Come to suxface. Flush pump + lines clean. Displace 2/2" rubber plug to rossing TD. Pressure to 800* PSI. Hole + Monitor fressure for 30 Min. MIT. Release pressure to sex float value. Shut in Cosing Evans Energy Daw. This Trovis this Made Account QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE 5401 PUMP CHARGE 455 5407 /2 Minimum Ton Miles 5407 /2 Minimum Ton Miles 55020 2615 FO BRL Vac Truck 369 1124 1125KS 50/50 Por Mix (emant) 1168 288* Premium Cal	
REMARKS: Establish pump rati. Mix + Pump 100* Premium Cal Flush. Mix + Pump 1/2 strs 50/50 Por Mix (emant 2% Cal. Came to surface. Flush pump + lines clean. Displace 242" rubber plus to cosing TD. Pressure to 800* PSI. Hole + Monitor fressure for 30 Min. MIT. Release pressur to set float value. Shut in Casing Frans Energy Daw. Jur. Tvovis) Frankladu Account quanity or units Description of Services or PRODUCT Unit PRICE 5401 PUMP CHARGE 5402 752 Casa footage 5407 1/2 Minimum Ton Miles 55020 2655 FO BBL Vac Truck 369 1124 112545 50/50 Por Mix (eman)	<u> </u>
Mix + Pump 1/2 SIKS 50/50 Por Mix (ement 276 hal. Come to SUNFACE. Flush pump + lines clean. Displace 242" rubber plug to cosing TD. Pressure to 800# PSI. Hole t Monitor fressure for 30 Min. MIT. Release pressure to sex float value. Shut in Casing Francount code QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE 5401 PUMP CHARGE FYO 2 TOT MILEAGE 5407 MILEAGE 60 MILEAGE	
to surface, Flush pump + lines clean. Displace 2/2 rubber plug to rosing TD. Pressure to 800# PSI. Hole 4 Monitor Bressure for 30 mm. MIT. Release pressure to set float value. Shut in Casing Evans Energy Dev. Jul. Trovis Tust Mable ACCOUNT QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE STOT 1 PUMP CHARGE 455 STODE 752 (ass. footage 548) 5407 1/2 minimum Ton Miles 548 5407 1/2 minimum Ton Miles 548 55020 2405 FO BBL Vac Truck 369 1124 1125145 50/50 Por Mix Centery 1	
TUBBET Plug to cosing TD. Pressure to 800 \$ PSI. Hole 4 Monitor Bressure for 30 min. MIT. Release pressure 40 set float value. Shut in Casing Evans Every Dev. J. (Tvovis) full Made ACCOUNT QUANITY or UNITS DESCRIPTION of SERVICES OF PRODUCT UNIT PRICE 5401 / PUMP CHARGE 495 / 5401 / PUMP CHARGE 5402 752 (asin footoge 5407 / minimum Ton Miles 548 / 55020 2415 80 BBL Vac Truck 369 1124 112545 50/50 Por Mix Cement / 1188 2884 Premium Cel	Y
# Monitor Pressure for 30 Min. MIT. Release pressure to set float value. Shut in Co.sing Frans Evergy Dev. Time. Two vis full Made ACCOUNT QUANITY or UNITS DESCRIPTION of SERVICES OF PRODUCT UNIT PRICE 5401 / PUMP CHARGE 495 / 5402 752 (asse footage 548 / 5407 1/2 Minimum Ton Miles 548 / 55020 2415 80 BBL Vac Truck 369 1124 112545 50/50 Por Mix Cement / 11188 2884 Premium Cel	,
Evans Energy Dev. Jul. Trovis Fus Made ACCOUNT QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE 5401 / PUMP CHARGE 455 / 5402 752 Casin footage 5407 /2 minimum Ton Miles 548 / 55020 2415 80 BBL Vac Truck 369 1124 1125145 50/50 Por Mix Cement / 1118 288# Premium Cal	
Evans Evergy Dev. J. (Trovis) Fue Made ACCOUNT QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE STOP / PUMP CHARGE 455 / STOP / MILEAGE STOP / MINIMUM Ton Miles 548 / STOP / DAYS & BBL Vac Truck 369 1124 1125KS 50/50 Por Mix Cement / 2884 Premium Gel	
ACCOUNT CODE STOTE STOTE STOTE ACCOUNT CODE DESCRIPTION of SERVICES OF PRODUCT UNIT PRICE DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE STOTE STOT	
ACCOUNT CODE STOTE STOTE STOTE STOTE ACCOUNT OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE PUMP CHARGE YSS MILEAGE STOTE	•
ACCOUNT CODE STODE GUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE PUMP CHARGE FUD 2 STODE STODE STODE LID SKS	
5401 / PUMP CHARGE 495 // 5401 / PUMP CHARGE 495 // 5402 752 (asin footage 548 / 5407 /2 minimum Ton Miles 548 / 55020 2415 FO BBL Vac Truck 369	
5401 / PUMP CHARGE 495 // 5401 / PUMP CHARGE 495 // 5406 - MILEAGE 5402 / T52 (asing footoge 5407 / Minimum Ton Miles 548 // 55020 2615 FO BBL Vac Truck 369 1124 112545 50/50 Por Min (ement) 1124 112545 50/50 Por Min (ement) 1178 288# Premium Cel	
5406 - MILEAGE 5402 752 (asing footage 5407 1/2 minimum Ton Miles 548 55020 2415 80 BBL Vac Truck 369 1124 1125KS 50/50 Por Mix Cement 1188 288# Premium Col	OTAL
5402 5407 1/2 minimum Ton Miles 548 55020 2405 60 BBL Vac Truck 369 1124 112545 50/50 Por Mix Cement 1118B 288# Premium Cel	30-
5402 752 (asin footage 5407 1/2 Minimum Ton Miles 548 55020 2415 80 BBL Vac Truck 369 1124 1125KS 50/50 Por Mix Cement 1 1118B 288# Premium Cel	1/
5907 2 M. M. M. M. Soll Soll Soll Soll Soll Soll Soll Sol	U/C
5502C 2415 80 BBL Vac Truck 369 1124 1125KS 50/50 Por M. x Cement 1 118B 288# Premium Gel	75-
1124 1125KS 50/50 Por Mix Cement 1 1118B 288# Premium Gel	2000
1118B 288# Promiun al	
1118B 288# Promiun al	•
1118B 288# Promiun al	226 40
	60 48
7700	2500
~ 1010	
-142975	
7.8% SALES TAX	10251
Ravin 3737	802 4
TITLE DATE	U - Q -

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
Tailwater, Inc.
Sobba #4-IW
API#15-003-25,393

March 12 - March 13, 2012

Thickness of Strata	Formation	Total
14	soil & clay	14
106	shale	120
27	lime	147
19	shale	166
5	lime	171
47	shale	218
10	lime	228
7	shale	235
38	lime	273
4	shale	277
21	lime	298
4	shale	302
15	lime	317 base of the Kansas City
171	shale	488
2	lime	490
4	shale	494
16	lime	510 oil show
6	shale	516
18	oil sand	534 green, lite bleeding
3	shale	537
24	oil sand	561 green, good bleeding
1	shale	562
1	coal	563
6	shale	569
13	lime	582
9	shale	591
4	lime	595
22	shale	617
7	lime	624
21	shale	645
5	lime	650
59	shale	709
1	lime & shells	710
10	oil sand	720 brown, good bleeding
7	silty shale	727
4	sand	731 black, no oil show
31	shale	762 TD

Drilled a 9 7/8" hole to 22.5' Drilled a 5 5/8" hole to 762'

Set 22.5' of 7" surface casing cemented with 5 sacks of cement.

Set 752.1' of 2 7/8" threaded and coupled 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.