

Confidentiality Requested:

Yes No

### Kansas Corporation Commission Oil & Gas Conservation Division

1162576

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:			Sec.	TwpS. R	East _ West			
Address 2:			Feet from North / South Line of Section					
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section			
Contact Person:			Footages Calculated from	Nearest Outside Section C	Corner:			
Phone: ()			□ NE □ NW	V □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:	W	ell #:			
	e-Entry	Workover	Field Name:					
	_		Producing Formation:					
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW ∏ SIGW	Elevation: Ground:	Kelly Bushing:				
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total D	epth:			
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet			
☐ Cathodic ☐ Other (Co	ore. Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No			
If Workover/Re-entry: Old Well I			If yes, show depth set:					
Operator:			If Alternate II completion, c	cement circulated from:				
Well Name:			feet depth to:	w/	sx cmt.			
Original Comp. Date:								
Deepening Re-perf	J	ENHR Conv. to SWD	Drilling Fluid Managemer	nt Plan				
Plug Back	Conv. to G		(Data must be collected from to					
Commingled	Permit #		Chloride content:	ppm Fluid volume	: bbls			
Dual Completion			Dewatering method used:_					
SWD			Location of fluid disposal if	hauled offsite:				
ENHR	Permit #:							
GSW	Permit #:		Operator Name:					
			Lease Name:					
Spud Date or Date R	eached TD	Completion Date or	Quarter Sec	TwpS. R	East West			
Recompletion Date		Recompletion Date	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 Approved by: Date:								

Page Two



Operator Name:				_ Lease I	Name: _			Well #:		
Sec Twp	S. R	East	West	County	:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in press o surface test, along v	ures, whe	ther shut-in pre chart(s). Attach	ssure reac extra shee	hed stati	c level, hydrosta space is neede	tic pressures, b	ottom hole temp	erature, fluid recov	
Final Radioactivity Lo files must be submitted						ogs must be ema	liled to kcc-well-	logs@kcc.ks.go	v. Digital electronic	
Drill Stem Tests Taker (Attach Additional		Y	es No	Log Formation (Top), D				•		
Samples Sent to Geo	logical Survey	Y	es No		Nam	е		Тор	Datum	
Cores Taken Electric Log Run			es  No							
List All E. Logs Run:										
				RECORD	Ne					
	0: 11.1					ermediate, product		" 0 1	T 15	
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)	Weig Lbs.		Setting Depth	Type of Cement	# Sacks Used	Type and Percer Additives	
			ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Туре	of Cement	# Sacks	Used		Type and	Percent Additives		
Perforate Protect Casing	Top Dottom									
Plug Back TD Plug Off Zone										
1 lug 0 li 20 lio										
Did you perform a hydrau	ulic fracturing treatment	on this well	?			Yes	No (If No, s	skip questions 2 a	nd 3)	
Does the volume of the t			-		-		_ ` `	skip question 3)		
Was the hydraulic fractur	ing treatment informatio	n submitted	to the chemical of	disclosure re	gistry?	Yes	No (If No, 1	ill out Page Three	of the ACO-1)	
								nt Squeeze Recor	rd Depth	
						(* *			200	
TUBING RECORD:	Size:	Set At:		Packer A	t·	Liner Run:				
		0017111				[	Yes N	o		
Date of First, Resumed	Production, SWD or EN	HR.	Producing Meth	nod:	g 🗌	Gas Lift (	Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er B	bls.	Gas-Oil Ratio	Gravity	
DIODOCITI	01.05.040			4ETUOD 05	. 00145/	TION:		DDOD! ICT!		
DISPOSITION Solo	ON OF GAS:  Used on Lease		N Open Hole	∥ETHOD OF Perf.			nmingled	PRODUCTION	ON INTERVAL:	
	bmit ACO-18.)		Other (Specify)		(Submit		mit ACO-4)			

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

Phone 785-483-2025

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

No. 7395

Cell 785-324-1041						Chita	On Location	Finish				
- 1000 Feb.	Sec.	Twp.	Range	-	County	K S State	On Eccanon	7:153.0				
Date 18-4-13	16	/	1		cham		20 41 011	1 ha done				
48				Local	100	42464W3	10 70 10	To care				
ease Worcester	2	-	Well No. 7		Owner To Quality	Oilwell Cementing, In-	0.					
Contractor Landmink	Doil	da			A A STATE OF THE S	not be transcored to con-	t comentina eaulibme	nt and furnish do work as listed.				
ype Job Sitace		-			cementer and helper to assist owner or contractor to do work as issue.							
Hole Size 1214		T.D.	225		To Werth Explanation							
Osg. 8-78		Depth	318		Street							
Tbg. Size		Depth			City		State	or agent or contractor				
Tool		Depth				was done to satisfaction		21 CAL				
Cement Left in Csg. / 4	5	Shoe J	loint		Cement A	mount Ordered 20	11.0					
Meas Line		Displac	ce / 3.B	2			1481	10				
	EQUIP	MENT			Common	200						
Pumptrk / 5 No. Cen	nenter	Card			Poz. Mix							
Bulktrk No. Driv		ZK-			Gel. 4							
Bulktrk @/4 No. Driv	er 11	w)			Calcium 7							
		S & REM	ARKS		Hulls							
Remarks:					Salt							
Rat Hole					Flowseal 50#							
Mouse Hole					Kol-Seal							
Centralizers					Mud CLF	Mud CLR 48						
Baskets					CFL-117 or CD110 CAF 38							
D/V or Port Collar					Sand							
		.1	Ation A	1 v 200		211	No. of					
8780 10 tre	m. E	s+Cla	edeter: At	A	Mileage	011	AND THE PERSONS NAMED IN					
*Displace	111	ESPERA	ALCOHOL:	11000		FLOAT EQUI	PMENT	7704				
1	1	7	1.4.	1	Guide S	hoe						
Cemen	1+ 6	110	Mated	7	Centralia	data	and the second					
	_	_	_		Baskets							
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					Mileage	75		Tax				
							Disco					
					TANK TO WATER							
X Signature							Total Chi	ilde				

## ALLIED OIL & GAS SERVICES, LLC 054887 Federal Tax I.D.# 20-5975804

SIGNATURE

REMIT TO P.O. BO RUSSE		ISAS 6766	55		SERV	ICE POI	NE Puis	ell K
DATE 10 1/13	SEC.	TWP,-	RANGE	CALLED OUT	ON LOCATION	JOB STA	RT J	OB FINISH
2 /	WELL#	7	LOCATION R	nee Ks		COUNTY	S	TATE
OLD OR NEW (Cir		-	LOCATION	3		1	1111/122	-115
		anta	72/	la conses				
CONTRACTOR TYPE OF JOB	107	4	market Special	OWNER				
HOLE SIZE	235	T.D		CEMENT				
CASING SIZE			PTH	AMOUNT OR	DERED	2551		
TUBING SIZE		11225557	PTH		Selection of the select	11/		200
DRILL PIPE	12	100000	PTH 3842	18/4	7/10128	Voy.	FI -	25-1-
TOOL			PTH					
PRES. MAX		MII	NIMUM	COMMON	132 st	@ / /	7	62362
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CEMENT LEFT IN	CSG.	numer.	entrance and an analysis of the second	GEL	7.57	@	4 2	177 14
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			1 0		F2SKs	@		1111111111
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BULK TRUCK	DKIVEK	-	30 01			_@		
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and furnish ceme	nter and	helper(s)	to assist owner or			=2.50		
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			of owner agent o			1	OTAL	
			and the "GENERA		(If Apu)			
TERMS AND CO	ONDITIO	NS" liste	d on the reverse s	ide. SALES TAX	(II Ally)		100	
				TOTAL CHA	RGES	56	61	
DRINGED MANGE	1-6			DISCOUNT	117769	1	IE PAID	IN 30 DAYS
PRINTED NAME	2547 31			DISCOUNT -			II I LATE	HI DO DATE

**OPERATOR** 

Company: WERTH EXPLORATION TRUST Address: 1308 SCHWALLER AVE

HAYS, KANSAS 67601

Contact Geologist: **ANDY WERTH** Contact Phone Nbr: (785) 625-4968

WERTH-WORCESTER NW #7 Well Name:

Location: SW SE SW NW Sec. 16-7S-22W API: 15-065-23,967-00-00

Pool: Field: ALDA **KANSAS** State: Country: USA

Scale 1:240 Imperial

Well Name: WERTH-WORCESTER NW #7 SW SE SW NW Sec. 16-7S-22W Surface Location:

**Bottom Location:** 

API: 15-065-23,967-00-00

License Number: 30259

10/3/2013 Spud Date: 10:00 AM Time: Region: **GRAHAM COUNTY Drilling Completed:** 10/10/2013 Time: 6:00 AM

Surface Coordinates: 2851' FSL & 4418' FEL

**Bottom Hole Coordinates:** 

Ground Elevation: 2325.00ft K.B. Elevation: 2330.00ft

Logged Interval: 3200.00ft 3930.00ft

Total Depth: 3930.00ft Formation: LANSING-KANSAS CITY Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical Longitude: -99.7857145 Latitude: 39.4451189

N/S Co-ord: 2851' FSL E/W Co-ord: 4418' FEL

### **LOGGED BY**



Company: SOLUTIONS CONSULTING, INC

Address: 108 W 35TH

HAYS, KS 67601

Phone Nbr: (785) 639-1337

Logged By: Geologist Name: **CHRIS NEELEY** 

CONTRACTOR

Contractor: LANDMARK DRILLING

> 5 Rig #:

Rig Type: **MUD ROTARY** Spud Date: 10/3/2013

Time: 10:00 AM 10/10/2013 6:00 AM TD Date: Time: Rig Release: 10/10/2013 10:00 PM Time:

**ELEVATIONS** 

K.B. Elevation: 2330.00ft Ground Elevation: 2325.00ft

K.B. to Ground: 5.00ft

## **NOTES**

RECOMMENDATION TO PLUG AND ABANDONED WELL BASED ON LOW STRUCTURE TO OFFSET PRODUCERS AND LOG ANALYSIS

OPEN HOLE LOGGING BY NABORS COMPLETION AND PRODUCTION SERVICES COMPANY: COMPENSATED DENSITY/NEUTRON LOG, DUAL INDUCTION LOG

NO DRILL STEM TESTS PERFORMED

## **SUMMARY OF FORMATION TOPS**

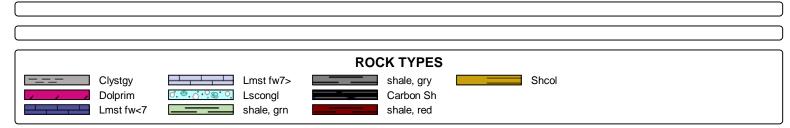
					GATEW	AY RESOUR	CES, LLC	MUR	FIN DRILLIN	G CO.	YOST	OIL OPERA	TIONS
				- 1	WORCESTER #1-17			WORCESTER #1			WORCESTER G #16		
	W	ERTH-WOR	CESTER NW	#7	SW-NE-NE-SE Sec. 17, 75, 22W			SW-SW-NW Sec. 16, 75, 22W			NE-SE-NW Sec. 16, 75, 22W		
	KB	2333			KB	2333	.007	КВ	2321		KB	2331	14171434.5
7	LOG TOPS SAMPLE TOPS		DENS/NEU LOGS LOG		COMP. REPORT		LOG	RAD GUARD LOG		LOG			
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	DEPTH	DATUM	CORR.	DEPTH	DATUM	CORR.
ANHYDRITE	1963	+370	1959	+374	1951	+382	-12	1944	+377	-7	1949	+382	-12
ANHYDRITE BASE	1994	+339	1989	+344	1984	+349	-10		2000		1980	+351	-12
TOPEKA	3321	-988	3307	-974	3310	-977	-11	3303	-982	-6	3314	-983	-5
HEEBNER	3523	-1190	3518	-1185	3507	-1174	-16	3502	-1181	-9	3515	-1184	-6
TORONTO	3545	-1212	3539	-1206	3533	-1200	-12	3526	-1205	-7	3539	-1208	-4
LANSING K.C.	3563	-1230	3557	-1224	3550	-1217	-13	3542	-1221	-9	3556	-1225	-5
STARK SHALE	3729	-1396	3723	-1390	3720	-1387	-9	, - 11			3726	-1395	-1
K.C. BASE	3755	-1422	3750	-1417	3746	-1413	-9	3742	-1421	-1	3751	-1420	-2
MARMATON	3801	-1468	3796	-1463	3792	-1459	-9				3795	-1464	-4
ARBUCKLE			3862	-1529	3857	-1524	-12	3842	-1521	-15			
RTD	3930	-1597			3918	-1585		3851	-1530		3900	-1569	
LTD	3936	-1603	l				l						1

## Daily Activity Report

Werth-Worcester NW #7

SW, SE, SW, NW Section 16, Township 7 South, Range 22 West

10/03/13	Kig-up
10/04/13	Spud: 10:00 am, Slope: 1° @ 225', Wait on welder: 40 min, 8 5/8" set: 218' w/200 sxs common 2% gel/2% cc, Plug down: 7:00 pm
10/05/13	800' drilling
10/06/13	1800' drilling
10/07/13	2550' drilling
10/08/13	2966' drilling, CFS: 3496', Short trip: 20 stands/look for hole in pipe, Condition mud, CCH: 2hrs
10/09/13	3555' drilling, CFS: 1 hr. at 3570', drilling, CCH: 30 min, Mini trip: 10 stands, RTD: 6:00 am
10/10/13	3930' CCH, Slope: 5°, Trip out for logs, Logging: Dual Induction, Neutron/Density



#### **ACCESSORIES**

**MINERAL** 

**FOSSIL** ▲ Chert, dark → Bioclastic or Fragmental

- Glauconite ↑ Bryozoa P Pyrite Crinoids
- △ Chert White ★ Sponge Spicules Fussilinid

#### **OTHER SYMBOLS**

**DST** DST Int

