

Confidentiality Requested:

Yes No

#### Kansas Corporation Commission Oil & Gas Conservation Division

1214221

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
Address 2:			Feet	from North / South Line of Sectio
City: St	ate: Zip	D:+	Feet	from East / West Line of Section
Contact Person:			Footages Calculated from Ne	earest Outside Section Corner:
Phone: ()			□ NE □ NW	☐ SE ☐ SW
CONTRACTOR: License #			GPS Location: Lat:	, Long:
Name:				g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27 NAD27	
Purchaser:			County:	
Designate Type of Completion:			Lease Name:	Well #:
New Well Re-	·Fntrv	Workover	Field Name:	
	_		Producing Formation:	
☐ Oil ☐ WSW	SWD	SIOW	Elevation: Ground: Kelly Bushing:	
☐ Gas ☐ D&A ☐ OG	☐ ENHR	☐ SIGW ☐ Temp. Abd.	Total Vertical Depth:	Plug Back Total Depth:
CM (Coal Bed Methane)	G3W	Temp. Abd.	Amount of Surface Pipe Set a	and Cemented at: Fee
Cathodic Other (Core	Expl etc.)		Multiple Stage Cementing Co	
If Workover/Re-entry: Old Well Inf				Fee
Operator:				nent circulated from:
Well Name:			, ,	w/sx cm
Original Comp. Date:			loot doparto.	
	_	NHR Conv. to SWD		
Deepening Re-perf. Plug Back	Conv. to GS		Drilling Fluid Management F (Data must be collected from the	
Commingled	Permit #:		Chloride content:	ppm Fluid volume: bbl
Dual Completion	Permit #:		Dewatering method used:	
SWD	Permit #:		Location of fluid disposal if ha	auled offsite:
☐ ENHR	Permit #:		One water Name .	
GSW Permit #:				
				License #:
Spud Date or Date Rea	iched TD	Completion Date or		TwpS. R
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 III Approved by: Date:			



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ring and shut-in pressu	ormations penetrated. Cures, whether shut-in prediction of the pre	essure reached stat	ic level, hydrosta	tic pressures, bot		
		otain Geophysical Data a or newer AND an image		ogs must be ema	iled to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No			on (Top), Depth ar		Sample
Samples Sent to Geol	logical Survey	Yes No	Nam	ie		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD N	ew Used			
		Report all strings set-			ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	. CEMENTING / SQI	JEEZE RECORD	<u> </u>	1	
Purpose:  Perforate  Protect Casing	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Plug Back TD Plug Off Zone							
	ulic fracturing treatment or	n this well? aulic fracturing treatment ex	roed 350 000 gallons	Yes		p questions 2 ar	nd 3)
		submitted to the chemical of	=	Yes	= ' '	out Page Three	of the ACO-1)
Shots Per Foot		N RECORD - Bridge Plug ootage of Each Interval Per			cture, Shot, Cement		d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:			
TODING RECORD.	OILG.	Jet At.	i aunei Al.		Yes No		
Date of First, Resumed	Production, SWD or ENF	HR. Producing Meth	nod:	Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bbls. Gas	Mcf Wat	er B	bls. C	as-Oil Ratio	Gravity
DISPOSITION Vented Sold	ON OF GAS:	N Open Hole	METHOD OF COMPL		mmingled	PRODUCTIO	DN INTERVAL:
	bmit ACO-18.)	Other (Specify)	(Submit		mit ACO-4)		

Form	ACO1 - Well Completion
Operator	Flatirons Resources LLC
Well Name	Ehmke-Owen Unit 42-27
Doc ID	1214221

## All Electric Logs Run

Induction	
Compensated Neutron	
Sonic	
Composite	
Caliper	

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## Tops

Name	Тор	Datum
Anhydrrite top	2183	698
Anhydrite base	2247	634
Topeka	3685	-804
Heebner	3926	-1045
Toronto	3942	-1061
Lansing	3967	-1086
Base/Kansas City	4350	-1469
Marmaton	4358	-1477
Pawnee	4448	-1567
Ft. Scott	4449	-1568
Cherokee Shale	4523	-1642
Johnson Zone	4558	-1677
Mississippian	4580	-1699

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#### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	264	class A	2% Gel, 3% C.C.



#### DRILL STEM TEST REPORT

Flatirons Resources

11080 Circle Point Rd STE#180 Wineminster CO, 80020

ATTN: Tim Priest

27-18s-30w Lane Co KS

Ehmke-Owens 42-27

Job Ticket: 57025 DST#: 1

Test Start: 2014.06.25 @ 08:30:00

#### **GENERAL INFORMATION:**

Formation: Myric Station - John

Deviated: Whipstock: ft (KB)

Time Tool Opened: 11:45:15 Time Test Ended: 16:04:15

4475.00 ft (KB) To 4590.00 ft (KB) (TVD) Interval:

Total Depth: 4590.00 ft (KB) (TVD)

7.88 inches Hole Condition: Poor Hole Diameter:

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 75

Reference Elevations:

2881.00 ft (KB)

2871.00 ft (CF) KB to GR/CF: 10.00 ft

Serial #: 8675 Press@RunDepth:

Start Date:

Start Time:

Inside

29.43 psig @ 2014.06.25

4476.00 ft (KB) End Date:

2014.06.25

16:04:15

Capacity:

8000.00 psig

Last Calib.: 2014.06.25 Time On Btm:

2014.06.25 @ 11:45:00

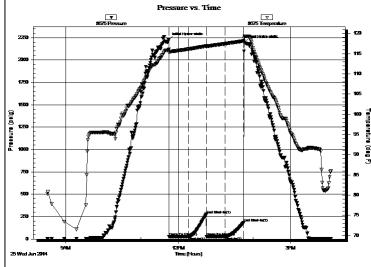
08:30:15 End Time:

Time Off Btm:

2014.06.25 @ 13:46:00

TEST COMMENT: Weak surface blow

No return blow No blow No return blow



	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2223.98	116.09	Initial Hydro-static
	1	25.18	115.25	Open To Flow (1)
	31	26.86	116.12	Shut-In(1)
,	60	275.41	116.87	End Shut-In(1)
3	60	27.96	116.72	Open To Flow (2)
	90	29.43	117.44	Shut-In(2)
(1)	120	183.33	118.13	End Shut-In(2)
9	121	2197.50	119.17	Final Hydro-static
			1	

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

Gas Rat		
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 57025 Printed: 2014.06.25 @ 16:58:40



#### DRILL STEM TEST REPORT

**FLUID SUMMARY** 

Flatirons Resources

27-18s-30w Lane Co KS

11080 Circle Point Rd STE#180 Wineminster CO, 80020

Ehmke-Owens 42-27

Job Ticket: 57025

Serial #:

DST#: 1

ATTN: Tim Priest

Test Start: 2014.06.25 @ 08:30:00

**Mud and Cushion Information** 

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:10.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 53.00 sec/qt Cushion Volume: bbl

67.95 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1200.00 ppm Filter Cake: 1.00 inches

**Recovery Information** 

Water Loss:

Recovery Table

Length ft Description Volume bbl
5.00 100% Mud 0.025

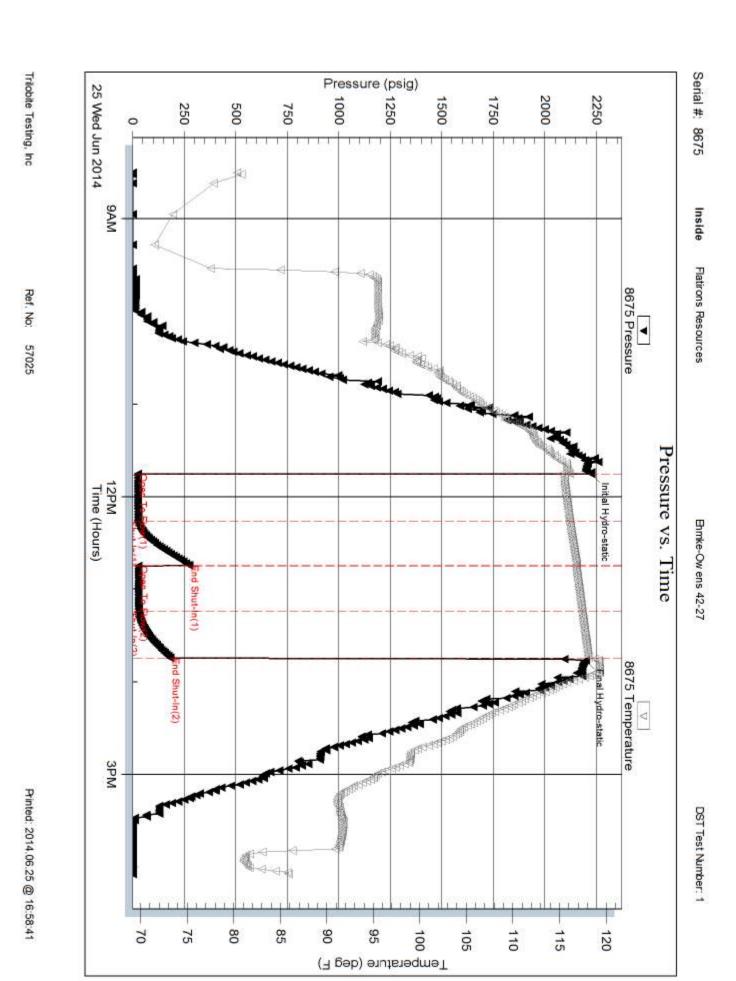
Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 57025 Printed: 2014.06.25 @ 16:58:41



# ALLIED OIL & GAS SERVICES, LLC 062999

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092

SERVICE POINT:

SOUTH	SOUTHLAKE, TEXAS 76092						great Bengt		
6-17-14 DATE	SEC.	TWP.	RANGE 30	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 8:30 an		
LEASE	WELL#	12.27	LOCATION Diss	Los ow a	lodge nd	COUNTY	STATE		
OLD OR NEW (Cir		135 101-	late			100			
CONTRACTOR /	Odn	lling 1	42	OWNER A	rme				
TYPE OF JOB	urfa	ce							
HOLE SIZE / 24 T.D. 268				CEMENT	10.	Walter Jan			
CASING SIZE 8 244 DEPTH 268				_ AMOUNT OR	DERED 180	rv cla	2 A 37.		
TUBING SIZE DEPTH DRILL PIPE DEPTH				4-21	gel				
TOOL									
PRES. MAX						@			
MEAS. LINE			DE JOINT	POZMIX					
CEMENT LEFT IN	CSG.	15'		GEL	ALESSEE SEE THE	@			
PERFS.				CHLORIDE_		@			
DISPLACEMENT	H20	16.11	BBI	ASC		@			
EQUIPMENT				3411 - 111-4		@			
						_@	A Park to the last of the last		
PUMP TRUCK (	CEMENT	ER Chr	des Kingos		*				
#398 HELPER Appl eller						_@			
BULK TRUCK									
#871.112 DRIVER Keven weigherese				20					
BULK TRUCK									
<u>#</u> <u>I</u>	DRIVER			- HANDLING	y real manufacture of the second seco	@			
				MILEAGE					
	RE	MARKS:	-			TOTAL			
Rig Ran 26	8'8	Se ore	Broke asc	alatie		101112			
wil his mad pump 5 BBI 420					SERVIC	CE			
ahero mus	180.	ex cla	n A 31.CC						
21. gel dis	place	: 16 B	B1 H20	DEPTH OF JO	B 268				
soul cla	cem	ent d	nd eisenfat	PUMP TRUCK	CHARGE		LYSA Min Ru		
	MATERIA.			EXTRA FOOT	CAGE	@			
			-38580	_ MILEAGE		@			
				- MANIFOLD_					
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 00				
011	1 × -1	Para la	2000000						
CHARGE TO:	or a	NON I	Resources						
STREET				- 1 F 14		TOTAL			
CITY	CT	ATE	710						
CITYSTATEZIP				144	PLUG & FLOAT EQUIPMENT				
		,				@			
thanh	30	ul				@			
To: Allied Oil & Gas Services, LLC.									
You are hereby requested to rent cementing equipment									
and furnish cementer and helper(s) to assist owner or						_@			
contractor to do w					A STATE OF THE PARTY OF THE PAR				
done to satisfactio	n and su	pervision o	of owner agent or			TOTAL			
contractor. I have	read and	understan	d the "GENERAL		Alexander and the second	Pare .			
TERMS AND CO	NDITIO	NS" listed	on the reverse side.	SALES TAX (I	SALES TAX (If Any)				
		0	1,	TOTAL CHAR	GES				
PRINTED NAME	707	+ Br	Ols	DISCOLINE		IEDAT	D IN 20 DAYS		
A KINTLD INAIVIE	1 1	n	1	DISCOUNT _		IF PAI	O DAYS		
SIGNATURE X	11	R.	net .						
SIUNATURE / / / / / / / / / / / / / / / / / / /									
(S)	111					The state of the s			