

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1211503

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:			F6	eet from	South Line of Section
City: S	tate: Zi	p:+	Fe	eet from East / V	West Line of Section
Contact Person:			Footages Calculated from	Nearest Outside Section Co	orner:
Phone: ()			□ NE □ NV	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:	We	ell #:
New Well Re	-Entry	Workover	Field Name:		
	_	_	Producing Formation:		
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing: _	
☐ OG	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total De	epth:
CM (Coal Bed Methane)	dow	тетір. Ава.	Amount of Surface Pipe Se	et and Cemented at:	Feet
Cathodic Other (Con	e. Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No
If Workover/Re-entry: Old Well In			If yes, show depth set:		Feet
Operator:			If Alternate II completion, of	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:	Original To	otal Depth:			
Deepening Re-perf.	Conv. to E	NHR Conv. to SWD	Drilling Fluid Manageme	nt Plan	
☐ Plug Back	Conv. to G	SW Conv. to Producer	(Data must be collected from t		
O constitued and	D		Chloride content:	ppm Fluid volume:	bbls
CommingledDual Completion			Dewatering method used:		
SWD			Location of fluid disposal if	f haulad offsita:	
☐ ENHR			Location of fluid disposal fi	nauled offsite.	
GSW			Operator Name:		
_			Lease Name:	License #:	
Spud Date or Date Rea	ached TD	Completion Date or	QuarterSec	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 I II Approved by: Date:

Page Two



Operator Name:			Lease Name:			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ring and shut-in pressu	ormations penetrated. D res, whether shut-in pre ith final chart(s). Attach	ssure reached stati	c level, hydrosta	tic pressures, bott		
		tain Geophysical Data a r newer AND an image f		gs must be ema	iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Taker (Attach Additional S		Yes No			on (Top), Depth an		Sample
Samples Sent to Geo	logical Survey	☐ Yes ☐ No	Nam	9		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD Ne conductor, surface, inte		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
	5	ADDITIONAL	CEMENTING / SQU	EEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement # Sacks Used		Type and Percent Additives			
Protect Casing Plug Back TD							
Plug Off Zone							
					¬		1
	ulic fracturing treatment or otal base fluid of the hydra	n this well? aulic fracturing treatment ex	ceed 350,000 gallons	Yes ? Yes		p questions 2 an p question 3)	d 3)
		submitted to the chemical of	_	Yes		out Page Three	of the ACO-1)
Shots Per Foot		N RECORD - Bridge Plug		Acid, Fra	cture, Shot, Cement	Squeeze Record	i
Shots Fel Foot	Specify Footage of Each Interval Perforated		orated	(Aı	mount and Kind of Ma	terial Used)	Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENH	R. Producing Meth	nod:				
		Flowing		Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil BI	bls. Gas	Mcf Wate	er B	bls. G	as-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:	N.	METHOD OF COMPLE	TION:		PRODUCTIO	N INTERVAL:
Vented Sold		Open Hole	Perf. Dually	Comp. Cor	nmingled		
(If vented, Sul	bmit ACO-18.)	Other (Specify)	(Submit A	(Sub	mit ACO-4)		



DRILL STEM TEST REPORT

Dan Haffner

PO Box 49 Hoxie KS 67740

ATTN: Dan Haffner

Bean #1

12-9-25-Graham-Ks

Job Ticket: 038995

DST#: 1

Test Start: 2010.07.14 @ 08:33:05

GENERAL INFORMATION:

Formation: Deviated:

H-K

LKC

No Whipstock: ft (KB)

Time Tool Opened: 10:58:35 Time Test Ended: 16:46:05

Interval:

3980.00 ft (KB) To 4075.00 ft (KB) (TVD)

4075.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester:

Dan Bangle

Unit No:

38

Reference Elevations:

2526.00 ft (KB)

2518.00 ft (CF)

KB to GR/CF:

8.00 ft

Serial #: 8354

Press@RunDepth:

Start Date:

Start Time:

Inside

157.22 psig @ 2010.07.14

08:33:06

3992.00 ft (KB) End Date:

End Time:

2010.07.14 16:46:05

Capacity: Last Calib .: 8000.00 psig

Time On Btm:

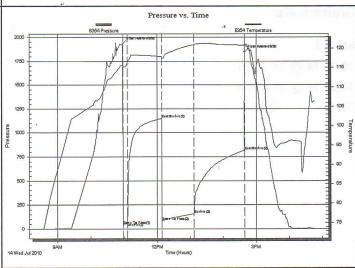
2010.07.14 2010.07.14 @ 10:57:50

Time Off Btm:

2010.07.14 @ 14:38:35

TEST COMMENT: IF-Weak building to 8"

FF-Weak building to strong B-B in 20 min



PRESSURE	SUMMARY
----------	---------

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1929.34	115.66	Initial Hydro-static
1	39.64	114.84	Open To Flow (1)
9	63.22	116.45	Shut-In(1)
71	1147.64	117.91	End Shut-In(1)
72	79.67	117.56	Open To Flow (2)
130	157.22	120.93	Shut-In(2)
221	817.50	120.81	End Shut-In(2)
221	1846.52	121.42	Final Hydro-static

Recovery

OCMdyW 10%o 40%w 50%m	462561.00
OCM 20% o 80% m	1850244.00
ICGsyO 10%g 70%o 20%m	2852459.50
GsyO	1850244.00
40 GIP	0.00
	/ICGsyO 10%g 70%o 20%m CGsyO

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 038995

Printed: 2010.07.21 @ 13:22:07 Page 2