

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1241386
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- 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:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

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

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. 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: _____

1241386



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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 / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Linn Operating, Inc.
Well Name	EDWARDS A-5 ATU-449
Doc ID	1241386

Tops

Name	Top	Datum
KRIDER	2338	KB
WINDFIELD	2385	KB
TOWANDA	2459	KB
FT_RILEY	2500	KB
FUNSTON_LM	2621	KB
CROUSE	2678	KB
MORRILL	2760	KB
GRENOLA	2804	KB

JOB SUMMARY

COUNTRY 0	COMPANY Linn Energy	PROJECT NUMBER TN # 1371	TICKET DATE 12/2/2014
LEASE NAME Edwards	Well No. A5 ATU 449	CUSTOMER REP Orlando	
EMP NAME BEAU CLEM		EMPLOYEE NAME BEAU CLEM	

BEAU CLEM			
DANIEL MUNIZ			
CHRIS LAYTON			
SANTIA CALIXTO			

Form. Name Chase-Council Grove Type: _____

Packer Type _____ Set At _____

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
	12/1/14	12/02/14	12/02/14	12/02/14
Time	2:00PM	8:00PM	10:49pm	11:56pm

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Valve	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	24	8.625	J-55	0	772	2000
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole							
Perforations							Shots/Ft.
Perforations							
Perforations							

Materials			
Mud Type	Density		Lb/Gal
Disp. Fluid	H2O	8.33	
Spacer type	H20 BBL.	10	
Spacer type	BBL.		
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/02/14	4.5	12/02/14	1.0	Surface
Total	4.5	Total	1.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____


Other _____

Pressures			
MAX	AVG	MAX	AVG
1015	60	3.5	3
Average Rates in BPM			
Cement Left in Pipe			
Feet	Reason	Shoe Joint	

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	450	Premium Class C	2% Calcium Chloride and .25 #/sk Celloflake	6.34	1.32	14.8
2						
3						
4						

Summary			
Preflush Breakdown	Type: MAXIMUM	Preflush: BBI 10.00	Type: H2O
Average	Lost Returns: 0	Load & Bkdn: Gal - BBI	Pad: Bbl - Gal
ISIP: 5 Min.	Actual TOC	Excess /Return BBI 50	Calc. Disp Bbl
	Frac. Gradient 10 Min.	Calc. TOC: SURFACE	Actual Disp 46.00
	15 Min.	Treatment: Gal - BBI	Disp Bbl
		Cement Slurry BBI 106.0	
		Total Volume BBI 162.00	

CUSTOMER REPRESENTATIVE _____


 SIGNATURE

Thank You For Using
 O - TEX Pumping

JOB SUMMARY		PROJECT NUMBER TN # 1374	TICKET DATE 12/3/2014
COUNTY Stanton	COMPANY Linn Energy	CUSTOMER REP Weldon Higgins	
LEASE NAME Edwards	Well No. A5 ATU449	EMPLOYEE NAME Steve Crocker	
EMP NAME			

Steve Crocker			
Tony Lewis			
Wilbert Arreguin			

Form. Name _____ Type: _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
		12/03/14	12/03/14	12/03/14
Time		1000	1435	1700

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Valve	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data		New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	15.5	5.5	J-55	0	3069	2500	
Liner								
Liner								
Tubing								
Drill Pipe								
Open Hole								Shots/Ft.
Perforations								
Perforations								
Perforations								

Materials			
Mud Type	0	Density	0 Lb/Gal
Disp. Fluid	H2O	Density	8.33 Lb/Gal
Spacer type	dium Silic	BBL	20
Spacer type	BBL		
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/03/14	7.0	12/03/14	2.5	Production
				pump spacer 25bbbs
				H2O/Sodium silicate
				pump 170bbbs lead cmt
				at 11.5ppg
				wash p/l
				displace w/ H2O
				72bbbs
				CMT to Surface: 80bbbs
				199sks
Total	7.0	Total	2.5	

Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

Pressures	
MAX 1200	AVG 400
Average Rates in BPM	
MAX 3.5	AVG 3
Cement Left in Pipe	
Feet 44	Reason Shoe Joint

Cement Data				W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement	Additives	13.29	2.25	11.5
1	425	O-TEX LowDense	2% Gyp, 2% Calcium Chloride, 2% C-45, 0.4% C-15, 0.4% C-41P, 0.2% C-51, 0.25 #/sk Celluloflake	0	0	0
2	0	0				
3						
4						

Summary			
Preflush Breakdown	Type: MAXIMUM	Preflush: BBI	20.00 Type: Sodium Silicate
	Lost Returns: 0	Load & Bkdn: Gal - BBI	Pad: Bbl - Gal
	Actual TOC	Excess /Return BBI	Calc. Disp Bbl
	Frac. Gradient	Calc. TOC	Actual Disp 72.00
Average ISP 5 Min	10 Min	Treatment: Gal - BBI	Disp: Bbl
	15 Min	Cement Slurry BBI	
		Total Volume BBI	170.0
			262.00

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

Thank You For Using
O - TEX Pumping