KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1058171

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 # 9313
Name: Lorenz, James D.
Address 1: 543A 22000 RD
Address 2:
City: CHERRYVALE State: KS Zip: 67335 + __ __ __ __
Contact Person: James D. Lorenz
Phone: (620) 423-9360
CONTRACTOR: License # 9313
Name: Lorenz, James D.
Wellsite Geologist: n/a
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

03/11/2011	03/15/2011	03/18/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-037-22167-00-00
Spot Description:
N2 - N2 - N2 - NW Sec. 19 Twp. 30 S. R. 22 [x] East [ ] West
5115 Feet from [ ] North / [x] South Line of Section
3960 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Crawford
Lease Name: AMERSHEK II Well #: WSW #1
Field Name: McCune
Producing Formation: Mississppi
Elevation: Ground: 902 Kelly Bushing: 907
Total Depth: 905 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 20 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 902
feet depth to: 0 w/ 127 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated
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

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [x] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrisor **Date:** 06/28/2011

Side Two

1058171

Operator Name: Lorenz, James D. Lease Name: AMERSHEK II Well #: WSW #1

Sec. 19 Twp. 30 S. R. 22 ☑ East ☐ West County: Crawford

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No
Electric Log Run ☑ Yes ☐ No
Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Compenated Density
Compensated Neutron
Duel induction Open hole

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Driller's	0	905

CASING RECORD ☐ New ☑ 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
Surface	12.2500	8.6250	18	20.5	Portland	4	
Production	6.7500	4.5000	9.5000	909	OWC	127	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
2	3 1/8" Slick tag gun	250 gal. 15% HCL acid	612-622
2	3 1/8" Slick tag gun	50 gal. 15% HCL acid on perf.	622-632
2	3 1/8" Slick tag gun	50 gal. 15% HCL acid on perf.	680-690

TUBING RECORD: Size: 2 Set At: 600 Packer At: 0
Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 12/3/2011

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
			1200		

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☑ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Well Refined Drilling Company, Inc.

4230 Douglas Road - Thayer, KS 66776
Contractor License # 33072 - FEIN # 48-1248553
Office - 620-839-5581; Jeff Pocket - 620-432-6170; Fax - 620-839-5582

HAVE RIG Rig # 2 WILL DIG!

Rig #:	2		License # 9313	
API #:	15-037-22167-0000			
Operator:	James D. Lorenz			
Address:	543A 22000 Road			
	Cherryvale, KS 67335 - 8515			
Well #:	WSW # 1	Lease Name:	Amershek II	
Location:	5115	FSL		
	3460	FEL		
Spud Date:		3/11/2011		
Date Completed:		3/15/2011	TD:	905
Geologist:				
Driller:		Josiah Kephart		
Casing Record		Surface	Production	
Hole Size		12 1/4"	6 3/4"	
Casing Size		8 5/8"		
Weight				
Setting Depth		20' 5"		
Cement Type		Portland		
Sacks		4		
Feet of Casing				

S19 T30	R22E
Location:	N2,N2,N2,NW
County	Crawford - KS

Gas Tests

Depth	Oz.	Orfice	flow - MCF
130		No Flow	
205		No Flow	
230		No Flow	
255		No Flow	
280		No Flow	
305		No Flow	
330		No Flow	
380		No Flow	
405		No Flow	
480		No Flow	
505		No Flow	
530		No Flow	
555		No Flow	
580		No Flow	
630		No Flow	
680		No Flow	
730		No Flow	
755	1	3/8"	3.56

11LC-031511-R2-004-Amershek II - WSW # 1 - James D. Lorenz

Well Log

Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	1	overburden	119	206	shale	270	303	shale
1	6	lime	206	207	lime	303	306	sand
6	7	blk shale	207	211	shale	306	317	shale
7	59	shale	211	212	coal	317	319	blk shale
59	61	sand	212	223	shale	319	320.5	coal
61	66	shale	223	224.5	lime	320.5	331	shale
66	67.5	coal	224.5	225	coal	331	358	lime
67.5	78	shale	225	227	blk shale	358	359	blk shale
78	95	lime	227	234	shale	359	360	coal
95	96.5	shale	234	235	coal	360	398	shale
96.5	97.5	blk shale	235	238	shale	398	399	coal
97.5	100	shale	238	245	blk shale	399	466	shale
100	101	coal	245	248	coal	466	470	sand
101	103.5	shale	248	267	shale	470	475	shale
103.5	115	lime	267	268	lime	475	476	coal
115	116	shale	268	268.5	blk shale	476	482	shale
116	118.5	blk shale	268.5	269	shale	482	483	coal
118.5	119	coal	269	270	lime	483	508	shale

Operator: James D. Lorenz Lease Name: Amershek II Well # WSW # 1

Top	Bottom	Formation	Top		Formation	Top	Bottom	Formation
508	509	blk shale						
509	509.5	coal						
509.5	510	lime						
510	540	shale						
540	542	coal with pyrite						
542	565	shale						
565	572	chert						
572	683	lime						
580		add water						
683	687	break - more water						
687	749	lime						
749	752	break - more water						
752	859	lime						
832		more water						
859	901	shale						
901	905	Dolomite - Arbuckle						
905		Total Depth						
0								
0								
0								
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