

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 9313
Name: James D. Lorenz
Address: 543A 22000 Rd.
City/State/Zip: Cherryvale, KS 67335
Purchaser: none
Operator Contact Person: James D. Lorenz
Phone: (620) 328-4433
Contractor: Name: L & S Well Service
License: 32450
Wellsite Geologist: none

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, 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./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

6-11-02 6-13-02 6-15-02
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 205-25,548-00-00
County: Wilson
SW NW - NE Sec. 35 Twp. 29 S. R. 15 East West
4290 feet from S N (circle one) Line of Section
2310 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW

Lease Name: Thornton Well #: WIW
Field Name: Fredonia

Producing Formation: Cattleman
Elevation: Ground: 1000' Kelly Bushing: 1005'

Total Depth: 1174 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 20' Feet

Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1174
feet depth to 0' w/ 121 sx cmt.

Drilling Fluid Management Plan *Alt II FOR KGR 1/17/08*
(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: _____

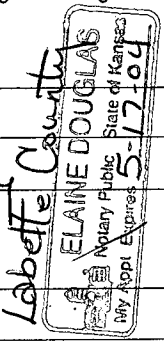
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: James D. Lorenz
Title: agent Date: _____
Subscribed and sworn to before me this 12th day of July, 2002
Notary Public: Elaine Douglas
Date Commission Expires: 5-17-04



KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

ORIGINAL

Operator Name: James D. Lorenz Lease Name: Thornton Well #: WIWI
 Sec. 35 Twp. 29 S. R. 15 East West County: Wilson

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run:	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum *see attached <div style="text-align: center;"> RECEIVED JUL 24 1961 KCC WICHITA </div>
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Electric Log

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
surface	11 1/4	7"	20'	20-0'	Portland	5	none
production	5 1/4"	2"	1174'	1174-0'	Portland	121	3%Gel w/flowed

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	
2	1-9/16" DML-RTG 13 shots at 1108-1114'		1108-1114'

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 (Explain)			
Estimated Production Per 24 Hours		Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
None		None			

Disposition of Gas Vented Sold Used on Lease *(If vented, Sumit ACO-18.)*

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

L & S WELL SERVICE
 543A 22000 ROAD
 CHERRYVALE, KANSAS 67335-8515

316-328-4433

00246

CEMENTING **ORIGINAL**
 TICKET #

API # 15-205-25,549-0000

SECTION 35	TOWNSHIP 29S	RANGE 15	COUNTY Wilson	STATE Kansas	DISTRICT # 3	DATE BEGAN 6-11-02	DATE COMPLETE 6-11-02
OWNER James D. Lorenz			CONTRACTOR		CHARGE TO James D. Lorenz		
MAILING ADDRESS 543A 22000 Rd			CITY Cherryvale		STATE/ZIP Kansas 67335-8515		
LEASE NAME/WELL NUMBER Thornton W1W#1		SIZE OF HOLE 5 1/4"	CASING SIZE 2" x 1174.9'		AMOUNT & KIND OF CEMENT USED 121 5x Portland-OWC		
CEMENTER Bart Lorenz			HELPERS NAMES				
REMARKS: Cement pumped back onto 2" pipe 1174.9' down inside 5 1/4" hole. Cement circulated from 1174.9' to surface. Rubber plug dropped and pushed to bottom with cement up back side to surface. Closed in at 1500 psi using total of 121 5x Portland OWC							

TYPE OF TREATMENT

- SURFACE PIPE 6-07-02
20' of 7" set with 5x Portland
- PRODUCTION CASING
- SQUEEZE CEMENT
- PLUG & ABANDON
- OTHER

RECEIVED
 JUL 24 2002
 KCC WICHITA

THE ABOVE JOB WAS DONE UNDER SUPERVISION OF OWNER, OPERATOR, OR HIS AGENT WHOSE SIGNATURE APPEARS BELOW.

AGENT OF CONTRACTOR OR OPERATOR

SIGNATURE OF PLUGGING CONTRACTOR OPERATOR

[Handwritten Signature]
[Handwritten Signature: Bart Lorenz]

L S Well Service
543-A 22000 Rd.
Cherryvale, KS 67335
620-328-4433

DRILLER LOG

L S WELL SERVICE

THORNTON WIW #1
API#15-205-25,548-0000
4290' FSL 2310' FEL
WILSON CO. KS
S35, T29S, R15E

ORIGINAL

0-4	DIRT
4-54'	LIME
54-73	SHALE
73-158	LIME
158-164	SHALE
164-170	LIME
170-186	SHALE
186-299	LIME
299-310	SHALE
310-366	SAND
366-411	SHALE
411-416	LIME
416-420	SHALE
420-432	LIME
432-449	SHALE
449-510	LIME
510-550	SHALE
550-562	LIME
562-618	SHALE
618-630	LIME
630-673	SHALE
673-700	LIME
700-710	SHALE
710-734	LIME
734-840	SHALE
840-860	PINK LIME
860-900	SHALE
900-926	LIME
926-930	SHALE
930-943	LIME
943-950	SHALE
950-956	LIME
956-1000	SHALE
1000-1006	COAL
1006-1116	SAND
1116-1174.9	SHALE

6-7-02 Drilled 11 1/4" hole and
Set 20' of 7" Surface pipe
Set with 5 sacks of Portland Cement

6-10-02 Drilled 6" hole to TD

6-11-02 Finished drilling

TD 1174.9'

THORNTON
JUL 24 1992
WILSON CO. KS

CASING MECHANICAL INTEGRITY TEST

DOCKET # ORIGINAL

Disposal Enhanced Recovery:

SW NW NE, Sec 35, T 29 S, R 15 E/W

Repressuring Flood Tertiary

4290 Feet from South Section Line
2310 Feet from East Section Line

Date injection started
API #15 - 205 - 25548 - 0000

Lease Thornton Well # WIW-1
County Wilson

Operator: James Lorenz
Name & Address 543A 22000 Road
Cherryvale, KS 67335

Operator License # 32450
Contact Person James Lorenz
Phone 620-328-4433

Max. Auth. Injection Press. _____ psi; Max. Inj. Rate _____ bbl/d;
If Dual Completion - Injection above production _____ flow production _____
Conductor Surface Production Tubing
Size _____ 7" _____ 2" _____
Set at _____ 20' _____ 116' _____
Cement Top _____ yes _____
" Bottom _____ yes _____
DV/Perf. _____ TD (ar) _____ ft. depth
Packer type _____ Size _____
Zone of injection _____ ft. to ft. _____ open hole _____

Not in RBDMS
Not in WIC Log

Type Mit: Pressure Radioactive Tracer Survey _____ Temperature Survey

F Time: Start 10 Min. 20 Min. 30 Min.
I
E Pressures: 800 800 800 Set up 1 System Pres. during test _____
L Set up 2 Annular Pres. during test _____
D Set up 3 Fluid loss during test _____ bbls.
D
A
T Tested: Casing or Casing - Tubing Annulus

The bottom of the tested zone is shut in with Floot Shoe
Test Date 6-13-02 Using Company Tools Company's Equipment
The operator hereby certifies that the zone between 0 feet and 1160 feet
was the zone tested
Signature Title

The results were Satisfactory , Marginal _____, Not Satisfactory _____
State Agent Tony D. Wilbren Title P.I.R.T. Witness: Yes No _____
REMARKS:

Origin. Conservation Div.; KDHE/T; _____ Dist. Office;
 Computer Update
RECEIVED
JUN 24 2002
KCC WICHITA
KCC Form U-7 6/84
SAPT

ORIGINAL

DOCKET #

CASING MECHANICAL INTEGRITY TEST

Disposal Enhanced Recovery:

SW NW NE, Sec 35, T 29 S, R 15 E/W

NW NP

Repressuring
Flood
Tertiary

4290 Feet from South Section Line
2310 Feet from East Section Line

Date injection started
API #15 - 205 - 25548 - 0000

Lease Thornton Well # WIW-1
County Wilson

Operator: James Lorenz

Operator License # 32450

Name & Address 543A 22000 Road

Contact Person James Lorenz

Cherryvale, Ks 67335

Phone 620-328-4433

Max. Auth. Injection Press. psi; Max. Inj. Rate bbl/d;
If Dual Completion - Injection above production Injection below production

Conductor	Surface	Production	Liner	Size	Tubing
	7"	2"			
Set at	20'	1160'		Set at	
Cement Top	yes	yes		Type	
" Bottom	yes	yes			
DV/Perf.		TD (and plug back)			ft. depth
Packer type		Size		Set at	
Zone of injection	ft. to ft.			Perf. or open hole	

Type Mit: Pressure Radioactive Tracer Survey Temperature Survey

F Time: Start 10 Min. 20 Min. 30 Min.

I
E Pressures: 800 500 300 Set up 1 System Pres. during test
L
D Set up 2 Annular Pres. during test
D Set up 3 Fluid loss during test bbls.

A T Tested: Casing or Casing - Tubing Annulus

The bottom of the tested zone is shut in with float shoe

Test Date 6-13-02 Using Company Tools Company's Equipment

The operator hereby certifies that the zone between 0 feet and 1160 feet

was the zone tested
Signature Title

The results were Satisfactory , Marginal , Not Satisfactory

State Agent Songer, C. Williams Title P.I.R.T Witness: Yes No

REMARKS:

Origin. Conservation Div.; KDHE/T; Dist. Office;
 Computer Update