

# State Geological Survey

WICHITA, BRANCH

## KANSAS DRILLERS LOG

API No. 15 — 007 — 20651  
County Number

S. 28 T. 32S R. 11W E  
W  
 Loc. NE SW  
 County Barber

Operator  
**PICKRELL DRILLING COMPANY**

Address  
 205 LITWIN BLDG., WICHITA, KS. 67202

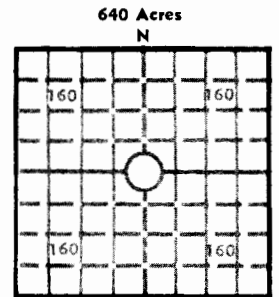
Well No. 1 Lease Name LYMAN "A"

Footage Location  
feet from (N) (S) line feet from (E) (W) line

Principal Contractor PICKRELL DRILLING COMPANY Geologist Mike Russell

Spud Date 8-11-78 Total Depth 4827 P.B.T.D.

Date Completed 10-16-78 Oil Purchaser Koch



Locate well correctly  
 Elev.: Gr. 1485  
 DF 1487 KB 1490

### CASING RECORD

Report of all strings set— surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surf. casing		8 5/8		274		180	
Prod. casing		4 1/2		3779		150	

### LINER RECORD

### PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	JSPF	3662-3670
			4	JSPF	3652-3658
			4	JSPF	3646-3650
			2	JSPF	3670-3678
			4	JSPF	3653-3657

### TUBING RECORD

Size	Setting depth	Packer set at
2 3/8	3655	

### ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidize w/250 gals. 15%. Fracture treat w/1500 gals. gelled KCL	
water pad, 10,000 gals. gelled KCL wtr. w/7500# 20-40 sd. & 62	
ball sealers. Acidize w/750 gals. 15% NE w/2 gals surfactant.	
Acid. w/2000 gals. 5% NE HCL w/2 gals. Flour surfactant per 1000 gals.	

### INITIAL PRODUCTION

Date of first production <u>10-3-78</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Pumping</u>		
RATE OF PRODUCTION PER 24 HOURS	Oil <u>3 1/2-5</u> bbls.	Gas <u>MCF</u>	Water <u>87-90</u> bbls.
Disposition of gas (vented, used on lease or sold)		Producing interval (s) <u>3646-3670</u>	
		CFPB	

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator  
**PICKRELL DRILLING COMPANY**

DESIGNATE TYPE OF COMP.: OIL,  
 DRY HOLE, SWDW, ETC.:  
**Oil**

Well No. **1** Lease Name **LYMAN "A"**

S 28 T 32S R 11W <sup>E</sup>/<sub>W</sub>

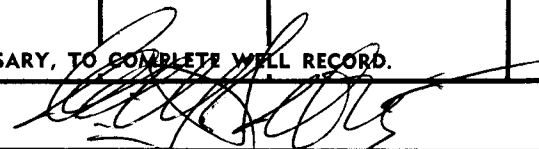
**WELL LOG**

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Topsoil	0	40	DST #1 3620-3690, 30-30-30-60	
Shale & Red Bed	40	275	1st open GTS 3" gauged 176	
Red Bed	275	415	MCFG/10", 120 MCFG/20", 62	
Shale	415	1325	MCFG/30" 2nd open gauged	
Shale w/Lime strks	1325	1715	12 MCFG/10", 7 MCFG/20"	
Shale & Lime	1715	1942	MCFG/30" Rec. 3175' clear oil	
Lime & Shale	1942	2153	(28% @ 60"), 125' oily water	
Lime & Shale	2153	2362	(17% oil) IFP 269-548, FFP	
Lime & Shale	2362	2537	644-942, ISIP 1322/30", FSIP	
Lime & Shale	2537	2767	1312/60"	
Lime & Shale	2767	2970		
Lime & Shale	2970	3140	DST #2 3707-3720, 30-30-60-90	
Lime & Shale	3140	3294	Strong blow, Rec. 1480' salt	
Lime & Shale	3294	3442	water, IFP 148-360, FFP 466-	
Lime & Shale	3442	3590	716, ISIP 1353#/30", FSIP	
Lime & Shale	3590	3690	1353#/60	
Lime	3690	3720		
Lime & Shale	3720	3739	DST #3 4620-4660, 30-30-10-out	
Shale & Lime Sand	3739	3862	Weak blow died in 11 min.	
Shale & Lime	3862	3975	Rec. 5' mud, IFP 60-50, FFP	
Lime & Shale	3975	4089	50-50 ISIP 50#/30" FSIP	
Lime & Shale	4089	4195	not taken	
Lime & Shale	4195	4295		
Lime & Shale	4295	4382		
Lime & Shale	4382	4470		
Lime & Shale	4470	4575		
Shale & Lime	4575	4660		
Lime & Shale	4660	4700		
Lime	4700	4766		
Lime	4766	4821		
Lime	4821	4827		

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received	
	C. W. Sebitts Partner
	Signature
	Title
	Date

1-25-79

ROTARY DRILLING LOG

28-32-11W  
NE-SW

COMPANY: PICKRELL DRILLING COMPANY  
205 LITWIN BLDG.  
WICHITA, KS. 67202  
LOCATION: LYMAN A #1  
NE SW Sec. 28-32S-11W  
Barber County, Kansas  
CONTRACTOR: PICKRELL DRILLING COMPANY  
Wichita, Kansas

Rotary Drilling Commenced 8-11-78  
Rotary Drilling Completed 10-16-78

State Geological Survey  
WICHITA, BRANCH

CASING RECORD: Surf. casing 8 5/8" set at 274' with 180 sx.  
Prod. casing 4 1/2" set at 3779' with 150sx.

LOG

(Figures indicate bottom of formation — measurements from top of rotary bushing.)

Topsoil	40
Shale & Red Bed	275
Red Bed	415
Shale	1325
Shale w/Lime Strks.	1715
Shale & Lime	1942
Lime & Shale	2153
Lime & Shale	2362
Lime & Shale	2537
Lime & Shale	2767
Lime & Shale	2970
Lime & Shale	3140
Lime & Shale	3294
Lime & Shale	3442
Lime & Shale	3590
Lime & Shale	3690
Lime	3720
Lime & Shale	3739
Shale & Lime Sand	3862
Shale & Lime	3975
Lime & Shale	4089
Lime & Shale	4195
Lime & Shale	4295
Lime & Shale	4382
Lime & Shale	4470
Lime & Shale	4575
Shale & Lime	4660
Lime & Shale	4700
Lime	4766
Lime	4821
Lime	4827

RECEIVED  
STATE GEOLOGICAL SURVEY

JAN 20 1979

CONSERVATION DIVISION  
WICHITA, KANSAS

The undersigned, C. W. Sebitts, Attorney-in-Fact for PICKRELL DRILLING COMPANY, hereby certifies in behalf of said Company, that the above is a true and correct log of the formation encountered in drilling the above well as reflected by the Daily Drilling Reports.

PICKRELL DRILLING COMPANY