

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 5420  
name White & Ellis Drilling, Inc.  
address 401 E. Douglas #500  
City/State/Zip Wichita, Ks. 67202

Operator Contact Person Michael Considine  
Phone 316-263-1102

Contractor: license # 5420  
name White & Ellis Drilling, Inc.

Wellsite Geologist Ken Wiese  
Phone 316-263-6853

PURCHASER KOCH

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If OWWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable  
9/29/87 10/8/87 10/29/87  
Spud Date Date Reached TD Completion Date

4650'  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 303 feet

Multiple Stage Cementing Collar Used?  Yes  No

If Yes, Show Depth Set feet

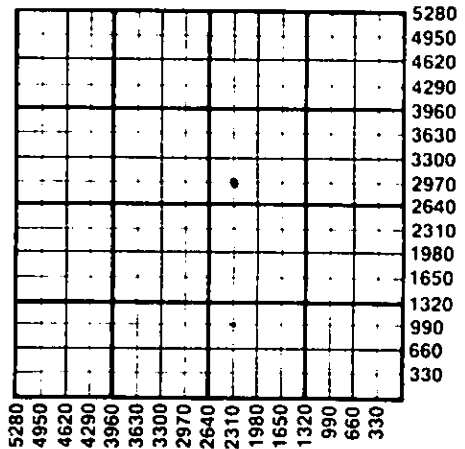
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt

2087 & up with 400 sx cmt  
TD to 3770 with 200 sx cmt

API No. 15 - 101-21,391 -00-00  
Lane  
County  
SW SW NE Sec 21 Twp 17s Rge 27 West  
(location)  
.2970... Ft North from Southeast Corner of Section  
.2310... Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

Lease Name Russell Well# 1  
Field Name Belated (Abandoned)  
Producing Formation Lansing-Kansas City J&K Zones  
Elevation: Ground 2660' 2665'  
KB

Section Plat



WATER SUPPLY INFORMATION

Source of Water:  
Division of Water Resources Permit #  
 Groundwater... Ft North From Southeast Corner and (Well) Ft. West From Southeast Corner of Sec Twp Rge East West  
 Surface Water... Ft North From Southeast Corner and (Stream, Pond etc.) Ft West From Southeast Corner Sec Twp Rge East West  
 Other (explain) Purchased from Joe E. Hanks (purchased from city, R.W.D.#)

Disposition of Produced Water:  Disposal  Repressuring

STATE CORPORATION COMMISSION Docket # 1-29-88

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-100 and 82-3-107 apply. Information on 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 drillers time log shall be attached with this form. 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.

WHITE & ELLIS DRILLING, INC.

Signature Michael L. Considine  
Title Controller Date 1/28/88

Subscribed and sworn to before me this 28th day of January 19 88

Notary Public Carolyn J. Tjaden  
Date Commission Expires  
CAROLYN J. TJADEN  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. Sept. 5, 1988

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

Sec 21 Twp 17 Rge 27

SIDE TWO

Operator Name White & Ellis Drilling, Lease Name Russell Well# 1 SEC 21 TWP. 17 RGE. 27  East  West

WELL LOG

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

DST: #1 4137-4165' (Lansing I Zone), 30-60-60-60  
 Rec. 816' GIP, 236' CGsyO, 124'O&GCM & 62' O&MCW,  
 IFP 65#-98#, FFP 141#-185#, ISIP 1049#, FSIP 1006#  
 40° gravity

#2 4172-4200' (Lansing J zone) 30-60-30-60, Rec.  
 890' GIP, 226' CGsyO, 186' GsyMCO, IFP 76#-109#,  
 FFP 141#-174#, ISIP 629#, FSIP 597#, 40° gravity

#3 42-0'-4235' (Kansas City K zone) 30-60-30-60,  
 Rec. 476 GIP, 206' MCO & 248' G&MCO, IFP 87#-  
 130#, FFP 185#-196#, ISIP 672#, FSIP 662#,  
 39° gravity

#4 4236-4265# (Kansas City L zone), 30-30-30-30  
 Rec. 10' OCM, IFP 43#-43#, FFP 43#-43#, SIP 87#-  
 54#

#5 4421-4480' (Ft. Scott) 15-30-15-30, Rec.  
 10' mud, IFP 43#-43#, FFP 43#-43#, SIP 87#-65#

#6 4524-4545' (Cherokee Sand) 60-60-60-60  
 Rec. 15' Clean oil and 82' MCO = 97' total fluid  
 ISIP 1135#, FSIP 1092#, IFP 43#-54#, FFP 54#-65#

Name	Top	Bottom
Anhydrite	2062	
Base Anhydrite	2093	
Heebner	3909	
Lansing	3947	
KC 'I' Zone	4146	
Stark	4205	
Hushpuckney	4237	
Base Kansas City	4277	
Pawnee	4365	
Ft. Scott	4454	
Cherokee Shale	4477	
Sherokee Sand	4528	
Mississippi Lime	4555	
LTD	4648	

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		8 5/8"		302	60/40 Poz.	165	2% Gel 3% CC
Production	7 7/8"	4 1/2"	10 1/2	4649	60/40 Poz.	200	2%, 18% salt, 3/4% CFR2
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
4	4528-4530			250 Gal MCA 15% 55 Gal acidic acid			
3	4216-4219			250 Gal MCA 15%, 750 Gal NE acid			
3	4185-4188			None			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing method					
11/11/87		<input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
	50	none	6			40°	
	Bbls	MCF	Bbls	CFPB			

Disposition of gas:  vented  
 sold  
 used on lease

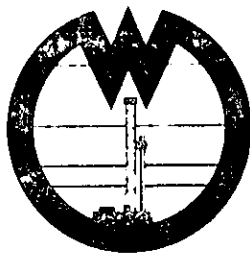
METHOD OF COMPLETION

open hole  perforation  
 other (specify) .....

Dually Completed.  
 Commingled

PRODUCTION INTERVAL

4185-4188



15-101-21391-00-00

**WHITE**

ANDELLISDRILLING, Inc.

DRILLERS LOG

OPERATOR: White & Ellis Drilling, Inc., 401 E. Douglas - Suite 500, Wichita, KS 67202

CONTRACTOR: White & Ellis Drilling, Inc., 401 E. Douglas, Suite 500, Wichita, Ks. 67202

Lease Name Russell Well No. 1

Sec. 21 T. 17 S R. 27 W Spot SW ~~SE~~ NE *SW JOker*

County Lane State Kansas Elevation \_\_\_\_\_

Casing Record:

Surface: 8 5/8" @ 302' with 165 sx. 2% Gel 3% CC

Production: 4 1/2" @ 4649' with 200 sx.

Type Well: Oil Well Total Depth 4650'

Drilling Commenced 9-29-87 Drilling Completed 10-8-87

Formation	From	To	Tops
Cellar	0	7	
Shale, Lime	7	4650	

RECEIVED  
STATE COMMISSIONER OF GEOROLOGICAL SURVEY

OCT 14 1987

COMMERCIAL DIVISION  
Wichita, Kansas

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