

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15-...175-21,002-0000  
County... Seward  
1320 FSL; SW/4 23 31S 32W East  
1320 FEL SW/4 23 31S 32W East  
Sec. Twp. Rge. East West

Operator: License # 5348  
Name Herman Lang, Oil & Gas  
Address 70 North Farmland Road  
City/State/Zip Garden City, Ks 67846

1320 Ft North from Southeast Corner of Section  
1320 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser... K.N. Energy

Lease Name... Chapple Well # 2

Operator Contact Person Herman Lang  
Phone 316-275-1953

Field Name... "31 Field" Thirty-one sec

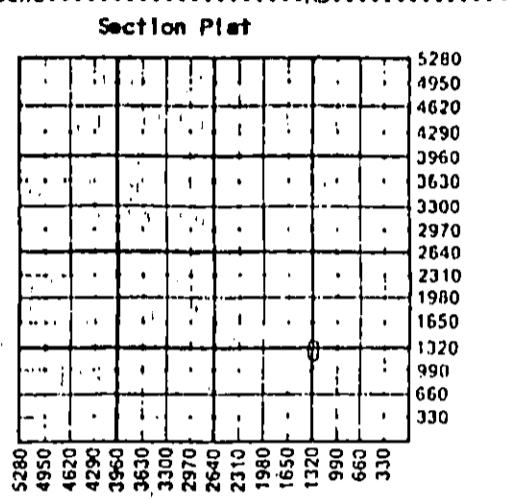
Producing Formation... Morrow

Elevation: Ground 2844' KB 2849'

Contractor: License # 5302  
Name Red Tiger Drilling Company

Wellsite Geologist R.G. Osterbuhr  
Phone 316-275-7888

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

WATER SUPPLY INFORMATION  
Disposition of Produced Water:  
Docket # Disposal Repressuring

WELL HISTORY  
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
3/4/88 3/17/88  
Spud Date Date Reached TD Completion Date  
5,780' 5720' 4/12/88  
Total Depth PBTD 1692  
Amount of Surface Pipe Set and Cemented at...feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set...3178' feet  
If alternate 2 completion, cement circulated from...feet depth to...w/...SX cmt  
Cement Company Name Dowell  
Invoice # AIT 5-11-88

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717  
Source of Water:  
Division of Water Resources Permit # Unknown  
 Groundwater... 2600 Ft North from Southeast Corner  
(Well) 1250 Ft West from Southeast Corner of  
Sec 23 Twp 31S Rge 32 East  West  
Keith Williamson, Sublette, Ks 67877  
Surface Water... Ft North from Southeast Corner  
(Stream, pond etc)... Ft West from Southeast Corner  
Sec Twp Rge East West  
Other (explain)  
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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.

Signature X. Herman Lang  
Title Date

Subscribed and sworn to before me this 20 day of April 1988  
Notary Public Dorell V. [Signature]  
Date Commission Dorell V. [Signature] APR 22 1988  
My Appt Expires

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Time Log Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)  
4-22-88

Operator Name Herman Lang Oil & Gas Lease Name Chapple Well No. 2

Sec. 23 Twp. 31S Rge. 32W  East  West County Seward

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; 5402'-5504'

Tool open with GTS in 2 minutes. Flow stabilized in 80 minutes during 2nd open, and gauged 5340 mcf, with a slight show of oil and condensate. IHP-2664, IFP-936 to 1136 in 15 min., ISIP-1726 in 45 min., FFP-1166 to 1226 in 30 min., FSIP-1726 in 90 min., FHP-2664, BHT-130<sup>0</sup>. Recovered 130' of gas and slightly oil-cut mud.

Name	Top	Bottom
T/Permian	620'	
B/Stone Corral	1722'	
T/Chase	2608'	
T/Council Grove	2964'	
T/Heebner	4162'	
T/Lansing	4303'	
T/Marmaton	4932'	
T/Cherokee	5096'	
T/Atoka	5268'	
T/Morrow	5405'	
T/Mississippian	5541'	
T/Meramec	5641'	

CASING RECORD <input checked="" 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	12 1/4"	8 5/8"	24#	1700'	Lite Common	450	3% Gel
Production	7 7/8"	5 1/2"	14#		65/35 Poz	230	5% D44; 230 sx Lite
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	5476'-5492'			none			
4	5520'-5530'			none			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At		Packer at			
2.375"		5439'-SN					
Date of First Production		Producing Method					
4/11/88 (test)		<input checked="" type="checkbox"/> Flowing <input 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	
8 Bbls			CAOG 10,500 MCF		Bbls 1,312,500 CFPB	71.6 <sup>0</sup>	

METHOD OF COMPLETION

Disposition of gas:  Vented  Sold  Used on Lease  Open Hole  Other (Specify)  Perforation in be sold  Dually Completed  Coningled

Production Interval: 5476'-5530'.....