

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. 15-163-23,037-00-00
County Rooks
1540' FEL; East
330' FSL SE/4 Sec. 23 Twp. 8S Rge. 18W West

Operator: License # 4316
Name Class Oil
Address 210 West 34th
City/State/Zip Hays, Kansas 67601

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

Purchaser Farmland Ind.

Lease Name Ruder Well # 3

Operator Contact Person Thomas M. Brown
Phone 1 913 434 7141

Field Name Maddy North

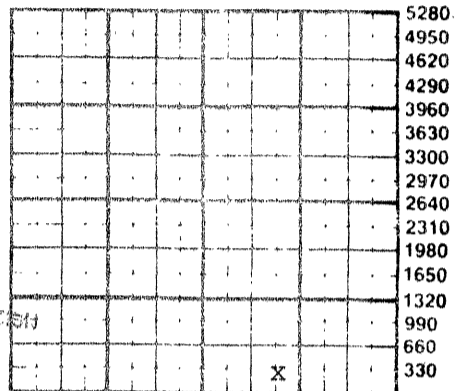
Producing Formation Topeka - I/Kc

Contractor: License # 5302
Name Red Tiger Drilling Company

Elevation: Ground 1973 KB 1978

Wellsite Geologist Thomas M. Brown
Phone 1 913 434 7141

Section Plat



Designate Type of Completion
 New Well Re-Entry Workover

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

RECEIVED
STATE CORPORATION COMMISSION
ALL-4-1989
MAY-4-1989

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

CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # N/A Repressuring

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
4/3/89 4/8/89 4/22/89
Spud Date Date Reached TD Completion Date
3,460' 3,440'
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 198 feet
Multiple Stage Cementing Collar Used? Yes No X
If yes, show depth set feet
If alternate 2 completion, cement circulated
from 1,300 feet depth to surface 350 SX cmt
Cement Company Name Halliburton
Invoice # 650824
8-28-89

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

Groundwater.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge East West

X Surface Water 4400 Ft North from Southeast Corner
(Stream, pond etc) 4800 Ft West from Southeast Corner
Sec 26 Twp 8S Rge 19W East X West

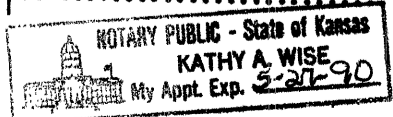
Leta Bouchey, Stockton, Ks. 67669
Other (explain)
(purchased from city, R.W.D. #)

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 Thomas M. Brown
Title Co / Owner Date 8/3/89

Subscribed and sworn to before me this 3rd day of August... 1989
Notary Public Kathy A. Wise
Date Commission Expires May 27, 1990



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)
Form ACO-1 (5-86)

Sec. Twp. Rge.

SIDE TWO

Operator Name Class Oil Lease Name Ruder Well # 3
 Sec. 23 Twp. 8S Rge. 18W East West County Rocks

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

Name	Top	Bottom
Anhydrite	1298-1333	
Topeka	2900	
Heebner	3112	
Toronto	3155	
Lans-K/C	3155-3377	
Arbuckle	3410	

CASING RECORD <input checked="" type="checkbox"/> New & <input checked="" 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"	20#	205'	Common	135	2% Gel 3%CC
Production	7 7/8"	4 1/2"	10.5#	3,458'	60/40 Poz	150	2%CC, 1/4# Floseal
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated					Depth	
4	3349-52			1,250 gal. 20%			
4	3324-28			1,250 gal. 20%			
4	3059-64			1,500 gal. 28%			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing Method					
4/22/89		<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	
12 Bbls		xxx MCF	170 Bbls		CFPB	32.5	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 3059-3352.....
 Used on Lease Dually Completed
 Commingled

CUSTOMER COPY
INVOICE



A DIVISION OF HALLIBURTON COMPANY

REMIT TO:

TX 651048
TX 75265

15-163-23037-00-00

INVOICE NO.	DATE
550874	04/18/1989

WELL LEASE NO.	WELL LOCATION	STATE	WELL OWNER
	ROOFS	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
HAYS	C&L	SQUEEZE HOLE IN CASING	04/16/1989
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
168223	THOMAS N. BROWN		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	71104

DIRECT CORRESPONDENCE TO:

SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

210 W. 1st St.
HAYS, KS 67801

PRICE REF NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
100-117	RELEASE	2	MI	8.50	17.00
		1	UNT		
	CEMENT SQUEEZE	1900	FT	795.00	795.00
		1	UNT		
	WELLINGTON AIGHT CEMENT - PREM	275	SK	5.92	1,638.00
	STANDARD CEMENT	45	SK	3.45	155.25
	POZNIX	30	SK	2.88	86.40
	ANHYDROUS CALCIUM CHLORIDE	2	SK	25.75	51.50
	FLOCCLE	69	LB	1.21	83.49
	PACKED SAND 20/40 & SMALLER	2	SK	7.95	15.90
	DULE SERVICE CHARGE	350	CFT	.65	227.50
	RELEASE CMTG MAT DEL OR RETURN	128.936	TMI	.70	90.26
INVOICE SUBTOTAL					3,070.90
DISCOUNT-(BID)					460.60
INVOICE BID AMOUNT					2,610.30
*-KANSAS STATE SALES TAX					103.88
*-HAYS CITY SALES TAX					12.97
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,727.15

Handwritten:
Paid
5/17/89
R # 1395

RECEIVED
STATE COMMISSION
AUG - 4 1989
AUG - 4 1989
CONSULTANTS
Wichita, Kansas

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.