

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 # 6484
Name Thornton E. Anderson
Address 200-E. First St., Suite A14
City/State/Zip Wichita, Kansas 67202

Purchaser Inland Purchasing & Transportation

Operator Contact Person William L. Anderson
Phone 316-265-7929

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist John C. Carnes
Phone 265-6048

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

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

If ONNO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

5/11/88 5/19/88 6/20/88
Spud Date Date Reached TD Completion Date
3,870'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 201 feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from 2950.....feet depth to.....sfw.....w/.....400 SX cmt
Cement Company Name Allied Cementing
Invoice # 51728

API NO. 15-163-22,997

County Rooks

W/2 W/2 SW/4 Sec. 20 Twp. 10S Rge. 19W East
X West

1320 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

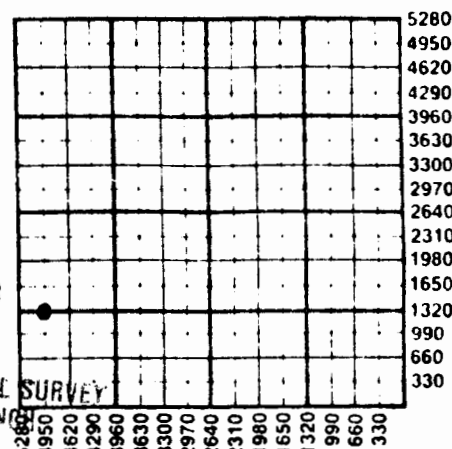
Lease Name Berland Well # 1

Field Name BERLAND EAST

Producing Formation Arbuckle

Elevation: Ground 2208' 2213' KB

Section Plat



JUL 06 1988

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

WATER SUPPLY INFORMATION

Disposition of Produced Water: ☒ Disposal
Docket # MURFID ☐ Repressuring

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 1500 Ft North from Southeast Corner
(Stream, pond, etc.) 4500 Ft West from Southeast Corner
Sec 29 Twp 10S Rge 19 East X West

Ruth Largent, Yates Center, Ks. 66783

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 William L. Anderson

Title Operations Manager Date 6/28/88

Subscribed and sworn to before me this 28th day of June 1988

Notary Public Thomas E. Clark

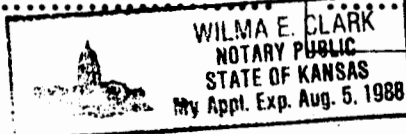
Date Commission Expires August 5, 1988

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)



Operator Name Thornton E. Anderson Lease Name Berland Well # 1

Sec. 20 Twp. 10S Rge. 19W ☐ 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

DST #1: 3786-3794 45 (60) 45 (60)

Rec. 5' GIP, 150' clean oil, 90' OCMW (15% oil, 45% water, 40% mud)

IFP 7-39# FFP 49-81#

ISIP 1148# FSIP 1140#

IHP 2133# FHP 2008#

BHT 118° F.

DST #2: 3793-99' 30 (45) 30 (60)

Rec. 1073' clean gassy oil, 120' muddy oil

IFP 21-294# FFP 333-464#

ISIP 1116# FSIP 1114#

IHP 2080# FHP 2048#

DST #3: 3799-3803 60 (45) 10 & out

Rec. 30' mud and 30' HOCM

No pressures recorded on flow period

ISIP 1150# IHP 2080# FHP 2050#

DST #4: 3704-3730 15 (60) Out

Rec. 5' mud w/oil specks in tool

IHP 2059# FHP 2032#

IFP 25-25# ISIP 1055#

BHT 122° F.

Name	Top	Bottom
Anhydrite	1611 (+ 602)	
Topeka	3213 (-1000)	
Heebner	3426 (-1213)	
Lansing	3464 (-1251)	
Arbuckle	3785 (-1572)	
RTD	3870 (-1657)	
LTD	3870	

CASING RECORD ☒ New & ☒ 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#	201'	60/40 Poz	150	2% Gel 3% CC
Production	7 7/8"	5 1/2"	14#	3,865'	Poz	150	10% Salt 20

Gal Lat

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	2950'	Squeezed w/ 350 sx Econolite	2950' to
4	3793 1/2 to 3796 1/2	and 50 sx 60-40 Poz.	sfc

TUBING RECORD	Size 2-7/8"	Set At 3800'	Packer at N.A.	Liner Run ☐ Yes ☒ No
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Date of First Production	Producing Method
6-20-88	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	56 Bbls	MCF	24 Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☒ Vented ☐ Open Hole ☒ Perforation
☐ Sold ☐ Other (Specify)
☐ Used on Lease

3793 1/2 - 96 1/2'

☐ Dually Completed
☐ Conmingled