AMENDED

SIDE ONE

JUL 0 6 1987

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

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. 15-009-24,238

Operator: License # 5693
Name W.L. Hartman Trust
Address P.O. Box 54
City/State/Zip Great Bend, KS 67530

Purchaser

Operator Contact Person Kathryn Rogers
Phone 316-682-4568

Contractor: License # 5929
Name Duke Drilling Co., Inc.

Wellsite Geologist Kathryn Rogers
Phone 316-682-4568

County Barton

Sw of
NE SE NW Sec. 30 Twp. 19 Rge. 12 ___ East X West

3465 Ft North from Southeast Corner of Section
3135 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

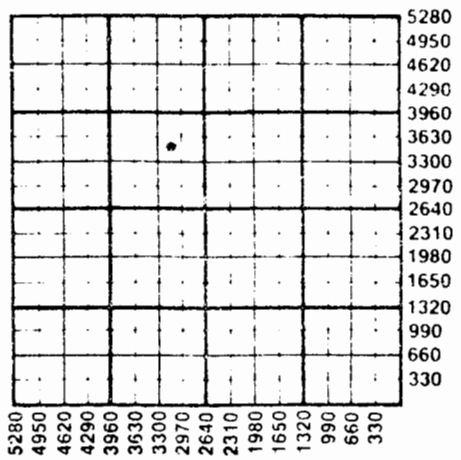
Lease Name Harris Well # 7

Field Name

Producing Formation

Elevation: Ground 1825 KB 1830

Section Plat



Designate **Type of Completion**
X New Well ___ Re-Entry ___ Workover

___ Oil ___ SWD ___ Temp Abd
___ Gas ___ Inj ___ Delayed Comp.
X 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:
X Mud Rotary ___ Air Rotary ___ Cable

5-22-87	6-2-87	6-3-87
Spud Date	Date Reached TD	Completion Date

3425'	
Total Depth	PBTD

Amount of Surface Pipe Set and Cemented at 309 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
Cement Company Name
Invoice #

WATER SUPPLY INFORMATION

Disposition of Produced Water: ___ **Disposal**
Docket # ___ **Repressuring**

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # T.87-191

X Groundwater 3465 Ft North from Southeast Corner
(Well) 3135 Ft West from Southeast Corner of
Sec 30 Twp 19 Rge 12 ___ East X West

___ 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.

104682

SIDE TWO

Operator Name ..W.L. Hartman Trust.. Lease Name...Harris.....Well #..7.....

Sec..30.. Twp..19.. Rge..12.. ☐ East ☒ West County.....Barton.....

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

3364-3405/45-45-45-60
Rec. 260' OCM
ISIP 1025# FSIP 1067#; IFP 58-75#: FFP 109-134#

3403-3409/34-34-34-34
Rec. 225' Frothy muddy oil
1440' gas above fluid
ISIP 874#; FSIP 689#; IFP 76-91#; FFP 120-151#

3415-3425/45-45-45-45
Rec. 810' sulphur water
ISIP 1100#; FSIP 1100#; IFP 75-193#; FFP 269-361#

Formation Description
☐ Log ☐ Sample

Name	Top	Bottom
Base KC	3366	-1536
Conglomerate	3378	-1548
Reworked Arb.	3402	-1572
Arbuckle	3420	-1590

JUL 0 8 1987

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	12¼"	8-5/8"	24#	309	60/40 poz	185	2% gel. 3%cc.

PERFORATION RECORD Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Packer at Liner Run ☐ Yes ☐ No

Date of First Production | Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....

30-19-12W

DRILLER'S WELL LOG

DATE COMMENCED: May 22, 1987
DATE COMPLETED: June 2, 1987

W.L. Hartman Trust
HARRIS #7
SW of NE SE NW
Sec. 30, T19S, R12W
Barton County, Ks.

ELEVATION: 1830 K.B.

0 - 666'	Surface Soil, Sand, Clay, Red Bed
666 - 688'	Anhydrtie
688 - 3006'	Shale & Lime
3006 - 3010'	Shale
3010 - 3026'	Lime & Shale
3026 - 3039'	Lime
3039 - 3119'	Shale
3119 - 3130'	Lime & Shale
3130 - 3365'	Lime
3365 - 3419'	Shale & Lime
3419 - 3425'	Dolomite
3425'	RTD

FORMATION DATA

Anhydrite	666'
Heebner	3006'
Toronto	3026'
Douglas	3039'
Br. Lime	3119'
Kansas City	3130'
Base K.C.	3365'
Arbuckle	3419'
RTD	3425'

Surface Pipe: Set new 8-5/8", 24# pipe @309' w/185 sacks 60/40 pozmix 2% gel 3% cc.

A F F I D A V I T

STATE OF KANSAS
COUNTY OF BARTON) ss

Leonard Williamson of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

Leonard Williamson

Subscribed and sworn to before me this 4th day of June 1987.

Started drilling under surface at 5:00 PM
Drilling at 1570'
DST #1. 1565-1580/20-20-20-20
Recovered 5' mud
ISIP 25# IFP 16-16#
FSIP 16# FFP 16-16#
Drilling at 1615
DST #2. 1605-1615/20-20-20-20
Recovered 5' mud.
ISIP 25# IFP 16-16#
FSIP 16# FFP 16-16#
Drilling at 2966'
SAMPLE TOP: TOPEKA 2767 -937
DST #3. 2906-66/45-45-45-60
Recovered 1450' SGCSW w/spks of oil throughout
ISIP 916# IFP 143-513#
FSIP 916# FFP 597-706#
Drilling at 3145'
SAMPLE TOPS: HEEBNER 3005 -1176
BASE OREAD 3041 -1211
BROWN LIME 3119 -1289
LANSING 3135 -1305
DST #4. 2993-3080/45-45-45-60
GTS in 5" - GA 144 MCF - Stab. 121 MCF
Recovered 310' GSSY muddy water
ISIP 1100# IFP 143-168#
FSIP 1109# FFP 151-168#
Gas Sample - 775 Dry BTU's
762 Wet
DST #5. 3123-3145/45-45-45-60
Recovered 30' Drlg. mud. Sour gas throughout pipe
ISIP 478# IFP 33-33#
FSIP 461# FFP 33-33#
Drilling at 3196
DST #6. 3142-3168/45-45-45-60
Recovered 40' OCM - 140' Gas above fluid
ISIP 58# IFP 25-33#
FSIP 75# FFP 33-42#
DST #7. 3167-3196/45-45-45-60
Recovered 60' SOCGassy mud/ sour gas in pipe
ISIP 343# IFP 50-31#
FSIP 318# FFP 50-41#
Pipe strap 3195.38
board 3194.67
Drilling at 3240
DST #8. 3195-3212/30-30-30-30
Recovered 15' Drlg. mud
ISIP 59# IFP 22-22#
FSIP 22# FFP 22-22#

DST #9. 3210-3240/45-45-45-60
Recovered 1650' SW
ISIP 697# IFP 109-453#
FSIP 689# FFP 528-621#

30-19-12W

HARRIS NO. 7

30-19-12W

5-30-87 Drilling at 3354'
DST #10. 3298-3323/30"-30"
Recovered 5' mud
ISIP 0# IFP 41-41#
FSIP 51# FFP 41-41#

5-31-87 Drilling at 3406
SAMPLE TOPS: BASE KANSAS CITY 3365 -1535
CONGLOMERATE 3331 -1551
REWORKED ARB. 3402 -1572
DST#11. 3340-3354/30"-30"
RECOVERED 5' mud.
ISIP 0# IFP 14-14#
FSIP 14# FFP 14-14#
DST #12. 3364-3405/45-45-45-60
Recovered 260' OCM
1st Stand 25%M, 10%W, 40%oil 25% Gas
2nd Stand 52%M, 5%W, 26% oil,17% Gas
3rd Stand 24% M, 35%W, 35% oil, 6% Gas
ISIP 1025# IFP 58-75#
FSIP 1067# FFP 109-134#

6-1-87 Drilling at 3425'
SAMPLE TOP: ARBUCKLE 3419 -1590
DST #13. 3403-3409/45-45-45-45
Recovered 225' Frothy muddy oil (52% oil)
1440' gas above fluid
ISIP 874# IFP 76-91#
FSIP 689# FFP 120-151#
DST #14. 3415-3425/45-45-45-45
Recovered 810' sulphur water
ISIP 1100# IFP 75-193#
FSIP 1100# FFP 269-361#

6-2-87 Rotary Total Depth 3425
Logging
D and A - Well was Plugged

Bottom Plug @ 3410' w/20 sacks cement thru drill pipe
Next Plug @ 675' w/20 " " " " "
Next Plug @ 350' w/80 " " " " "
Top Plug @ 40' w/10 " " " " "

ROTARY BUSHING DATA

ELEV: 1830	SAMPLE	ELECTRIC LOG	
TOPEKA	2767	2766	-936
HEEBNER	3005	3006	-1176
BASE OREAD	3041	3041	-1211
BROWN LIME	3119	3120	-1290
LANSING	3135	3134	-1304
BASE KANSAS CITY	3365	3366	-1536
CONGLOMERATE	3381	3378	-1548
REWORKED ARB.	3402	3402	-1572
ARBUCKLE	3419	3420	-1590
RTD	3425	3425	