

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 3613
 Name: Hallwood Petroleum, Inc.
 Address P. O. Box 378111
 City/State/Zip Denver, CO 80237
 Purchaser: Koch
 Operator Contact Person: Nonya K. Durham
 Phone (303) 850-6257
 Contractor: Name: Express Well Service
 License: _____
 Wellsite Geologist: _____

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: Red Oaks Energy, Inc.
 Well Name: Krankenber #4-20
 Comp. Date 6/1/92 Old Total Depth 3780'
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
 Spud Date 4/15/98 Date Reached TD 4/23/98
 Start of workover _____ Completion Date of workover _____

API NO. 15- 185-22843-0001
 County Stafford
 NW - NE - NW - 20 Sec. 22S Twp. 12 Rge. X E/W
4950 Feet from (S) (circle one) Line of Section
3630 Feet from (E) (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE, (SE), NW or SW (circle one) 526-98
 Lease Name Krankenber Well # 4
 Field Name Krankenber
 Producing Formation L-KC, Viola, Conglomerate
 Elevation: Ground 1870' KB 1875'
 Total Depth 3780' PBTB 3740'
 Amount of Surface Pipe Set and Cemented at 687 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from _____
 feet depth to _____ W/ _____ sx cmt.

Drilling Fluid Management Plan Re-work, 6-19-98 etc.
 (Data must be collected from the Reserve Pit)

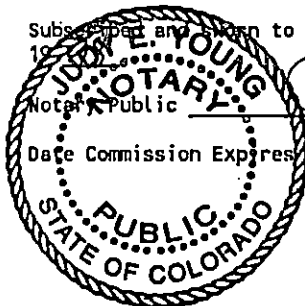
Chloride content _____ ppm Fluid volume _____ bbls
 Dewatering method used _____
 Location of fluid disposal if hauled offsite: _____
 Operator Name _____
 Lease Name _____ License No. _____
 Quarter Sec. Twp. S Rng. E/W
 County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 Nonya K. Durham
 Title Nonya K. Durham Production Reporting Super Date 5/21/98

Subscribed and sworn to before me this 21st day of May.



Judy E. Young
 Notary Public
 Date Commission Expires 4/19/01

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)

Operator Name Hallwood Petroleum, Inc.

Lease Name Krankenber

Well # 4

Sec. 20 Twp. 22S Rge. 12

East
 West

County Stafford

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
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run:

Name	Top	Datum
Anhydrite	668	(+1207)
Heebner	3182	(-1307)
Brown Lime	3318	(-1443)
B/KC	3556	(-1681)
Viola	3622	(-1747)
Simpson	3670	(-1795)
Arbuckle	3728	(-1853)

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"	23#	690'	60/40 poz	340	2% gel, 3% cc
					common	150	3% cc
Production	7 7/8"	5 1/2"	14#	3780'	60/40	150	2% gel

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
4 spf	3622-32' Viola	750 gal 15% NE acid w/Clay Stay
4 spf	3500-04' L-KC "J"	Acid L-KC "K" 3527-30' w/500 gal of 15% NE w/Clay Stay, 750 gal 15% NE w/Clay Stay
4 spf	3469-72' L-KC "H"	3600-10' Conglomerate zone-acidize w/750 gal 15% NE w/Clay Stay
		500 gal 15% NE w/Clay Stay

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8"	3705'	----	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
4/23/98				
Estimated Production Per 24 Hours	Oil 5 Bbls.	Gas ---- Mcf	Water 6 Bbls.	Gas-Oil Ratio ---- Gravity 31.1

Disposition of Gas: N/A METHOD OF COMPLETION

Vented Sold Used on Lease (If vented, submit ACO-18.)

Open Hole Perf. Dually Comp. Commingled

Other (Specify) _____

Production Interval

3469-3632'

