

167-30286 -0001

COPY

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

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

License: _____

Wellsite Geologist: _____

Designate Type of Completion
____ New Well ____ Re-Entry ☒ Workover

____ Oil ☐ SWD ☐ SIGW ☐ Temp. Seal
 ____ Gas ☒ ENHR ☐ SIGW ☐ KANSAS CORPORATION COMMISSION
 ____ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows: JUN 03 1998Operator: Pan American Petro Corp.Well Name: S. Boxberger #11 CONSERVATION DIVISION
WICHITA, KSComp. Date 10/29/66 Old Total Depth 3300'

____ Deepening ____ Re-perf. ☒ Conv. to Inj/SWD
 ____ Plug Back ____ PBTD
 ____ Commingled ____ Docket No. ____
 ____ Dual Completion ____ Docket No. ____
☒ Other (SWD or Inj?) Docket No. E-12,386

5/18/98 Date Reached TD 5/22/98 Completion Date

Spud Date _____

API NO. 15- _____

County RussellNW NW NW Sec. 10 Twp. 14S Rge. 14 ☒ E330 Feet from S/N (circle one) Line of Section330 Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name S. Boxberger Well # 11Field Name Hall-GurneyInjection Toronto, L-KC

Producing Formation _____

Elevation: Ground 1830' KB 1834'Total Depth 3270' PBTD 3193'Amount of Surface Pipe Set and Cemented at 823 FeetMultiple 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, 6-24-98 U.C.

(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Deaerating 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 Production Reporting Supervisor Date 6/2/98

Subscribed and sworn to before me this 2nd day of June, 1998.Notary E. YoungDate Commission Expires 4/19/01

K.C.C. OFFICE USE ONLY	
F	Letter of Confidentiality Attached
C	Wireline Log Received
C	Geologist Report Received
Distribution	
☒ KCC	☐ SWD/Rep
☐ KGS	☐ Plug
	☒ NGPA
	(Specify)

Form ACO-1 (7-91)

SIDE TWO

Operator Name Hallwood Petroleum, Inc.

Lease Name

Boxberger11Sec. 10 Twp. 14S Rge. 14☐ EastCounty Russell☒ West

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
(Attach Additional Sheets.)☐ Yes ☒ No

Samples Sent to Geological Survey

☐ Yes ☒ No

Cores Taken

☐ Yes ☒ NoElectric Log Run
(Submit Copy.)☐ Yes ☒ No

List All E.Logs Run:

☐ Log

Formation (Top), Depth and Datums

☐ Sample

Name

Top

Datum

Topeka

2684'

- 850'

Plattsmouth

2862'

-1028'

Toronto

2931'

-1097'

Lansing-Kansas City

2973'

-1139'

Reagan

3232'

-1398'

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"	9 5/8"	32#	823'	Poz Mix	225	bulk
Intermediate	inside	4 1/2"	10.5#	3250'	Mid Con II	250	2% cc. flocc. .375
Production	8 3/4"	7"	20#	3299'	Poz Mix	225	bulk

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ 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	
	See attached			
TUBING RECORD		Size 2 3/8"	Set At 2903	Packer At 2908'
		Liner Run ☒ Yes ☐ No		
Date of First, Resumed Production, SWD or (Inj.)		Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☒ Injection Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas: NA METHOD OF COMPLETION

injection Production Interval
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 2936-3152'
☐ Other (Specify) _____