

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

API NO. 15- 167-06317-0001 ORIGINAL

County Russell

CS/2- NE - NW - Sec. 32 Twp. 11S Rge. 15 X W

990 Feet from (S)N (circle one) Line of Section

1980 Feet from E(circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Booth "A" Well # 4

Field Name Fairport North

Producing Formation Topeka, Lansing-Kansas City, Arbuckle

Elevation: Ground 1818' KB 1820'

Total Depth 3358' PBDT 3261'

Amount of Surface Pipe Set and Cemented at 500 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan REWORK JZ/ 8-7-95
(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.

Operator: License # 3613

Name: Hallwood Petroleum, Inc.

Address 4582 S. Ulster Street Parkway, #1700

P.O. Box 378111

City/State/Zip Denver, Colorado 80237

Purchaser: Koch

Operator Contact Person: Nonya K. Durham

Phone (303) 850-6257

Contractor: Name:

License:

Wellsite Geologist:

Designate Type of Completion

 New Well Re-Entry X Workover

X Oil SWD SLOW Temp. Abd.

 Gas ENHR SIGW

 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: Pan American Petroleum Corporation

Well Name: F. Booth "A" #4

Comp. Date 6/23/41 Old Total Depth 3358'

 Deepening X Re-perf. Conv. to Inj/SWD

 Plug Back PBDT

X Commingled Docket No.

 Dual Completion Docket No.

 Other (SWD or Inj?) Docket No.

5-25-95 Spud Date of START Date Reached TD Completion Date of 6-1-95
OF WORKOVER WORKOVER

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 Technician Date 7/20/95

Subscribed and sworn to before me this 20th day of July, 19 95.

Notary Public Judy E. Atkins

Date Commission Expires 4/19/97

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
✓ KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)
STATE CORPORATION COMMISSION

Form ACO-1 (7-91)

RCWO KCC

07-24-95

JUL 24 1995

Operator Name Hallwood Petroleum, Inc. Lease Name Booth "A" Well # 4

Sec. 32 Twp. 11S Rge. 15 East West County Russell

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.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	L-KC "B"	2936	(-1116)
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	L-KC "A"	2911	(-1091)
List All E.Logs Run:		Toronto	2877	(-1057)
		Arbuckle	3242	(-1422)

CASING RECORD <input checked="" type="checkbox"/> New <input 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
Casing		20"	90#	30			
Surface		13"	50#	500			
Production	8 1/4"	7"	22#	3287		150	Ash. g.

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	L-KC "B"	2936-48'	2600 gals 15% NE w/Clay Stay
4 spf	L-KC "A"	2911-19'	2600 gals 15% NE w/Clay Stay	
4 spf	Toronto	2877-87'	2000 gals 15% NE w/Clay Stay	
4 spf	Arbuckle	3242-45'	150 gals 15% NE acid w/Clay Stay	3245

TUBING RECORD	Size 2 7/8"	Set At 3250	Packer At 3247	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 6/1/95	Producing Method <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 6 Bbls.	Gas ---- Mcf	Water 116 Bbls.	Gas-Oil Ratio ---- Gravity 36

Disposition of Gas: N/A **METHOD OF COMPLETION** Production Interval 2948-3245'

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

(If vented, submit ACO-18.)