

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

API NO. 15- 06317-0001

COPY

County RussellCS/2 - NE - NW - Sec. 32 Twp. 11S Rge. 15 X W990 Feet from S/N (circle one) Line of Section1980 Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Booth "A" Well # 4Field Name Fairport NorthProducing Formation Topeka, Lansing-Kansas City, ArbuckleElevation: Ground 1818' KB 1820'Total Depth 3358' PBTD 3261'Amount of Surface Pipe Set and Cemented at 500 FeetMultiple Stage Cementing Collar Used? Yes X NoIf yes, show depth set FeetIf Alternate II completion, cement circulated from feet depth to w/ sx cmt.Drilling Fluid Management Plan REWORK 8-7-95
(Data must be collected from the Reserve Pit)Operator: License # 3613Name: Hallwood Petroleum, Inc.Address 4582 S. Ulster Street Parkway, #1700P.O. Box 378111City/State/Zip Denver, Colorado 80237Purchaser: KochOperator Contact Person: Nonya K. DurhamPhone (303) 850-6257Contractor: Name: License: Wellsite Geologist:

Designate Type of Completion

 New Well Re-Entry X WorkoverX Oil SWD SIOW Temp. Abd. Gas ENHR SIGW Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: Pan American Petroleum CorporationWell Name: F. Booth "A" #4Comp. Date 6/23/41 Old Total Depth 3358' Deepening X Re-perf. Conv. to Inj/SWD Plug Back PBTD Commingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No. Spud Date 5-25-95 Date Reached TD 6-1-95
OF WORKOVER OF WORKOVERChloride content ppm Fluid volume bblsDewatering method used Location of fluid disposal if hauled offsite: Operator Name Lease Name License No. Quarter Sec. Twp. S Rng. E/WCounty Docket No.

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. DurhamTitle Production Technician Date 7/20/95Subscribed and sworn to before me this 20th day of July, 19 95.Notary Public Judy E. AtkinsDate 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

X KCC SWD/Rep NGPA
 KGS Plug Other
(Specify) JS

JUL 21 1995

81786

SIDE 100

Operator Name Hallwood Petroleum, Inc.Lease Name Booth "A" Well # 4Sec. 32 Twp. 11S Rge. 15 ☐ EastCounty Russell☒ West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests given 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:

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
L-KC "B"	2936	(-1116)
L-KC "A"	2911	(-1091)
Toronto	2877	(-1057)
Arbuckle	3242	(-1422)

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
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
☐ 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
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		Liner Run ☐ Yes ☒ No	
Size 2 7/8"		Set At 3250	
Packer At 3247			
Date of First, Resumed Production, SMD or Inj. 6/1/95		Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ 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

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

METHOD OF COMPLETION

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 2948-3245'
☐ Other (Specify) _____

Production Interval