

15-009 - 30396-0001

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 4582 S. Ulster Street Parkway, #1700P.O. Box 378111City/State/Zip Denver, Colorado 80237

Purchaser: _____

Operator Contact Person: Nonya K. DurhamPhone (303) 850-6257

Contractor: Name: _____

License: _____

Wellsite Geologist: None

Designate Type of Completion

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

If Workover:

Operator: Pan American Petroleum Corp.Well Name: E. F. Esfeld #8Comp. Date 1-12-66 Old Total Depth 3400' X ACIDIZED Deepening X Re-perf. Conv. to Inj/SWD Plug Back PBTB Commingled Docket No. _____ Dual Completion Docket No. _____ Other (SWD or Inj?) Docket No. _____

11/2/95 11/8/95
Start Date of Workover Date Reached TD Completion Date of Workover

API NO. 15- N/ACounty BartonNE - NE - NE - Sec. 28 Twp. 16S Rge. 11 X W 4950 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 E. F. Esfeld Well # 8Field Name Kraft-PrusaProducing Formation L-KC "A", "B", "F" & "G"Elevation: Ground 1918' KB 1921'Total Depth 3400' PBTB 3334'Amount of Surface Pipe Set and Cemented at 757' 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 874 1-19-96
(Data must be collected from the Reserve Pit)Chloride 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 1/9/96Subscribed and sworn to before me this 9th day of January, 19 96.Notary Public Judy E. AtkinsDate Commission Expires 1/19/97

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution

 SWD/Rep NGPA
 Plug Other
(Specify)

Form ACO-1 (7-91)

01-12-96

SIDE TWO

Operator Name Hallwood Petroleum, Inc. Lease Name E. F. Esfeld Well # 8
☐ East County Barton
 Sec. 28 Twp. 16S Rge. 11 ☒ 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.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<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 "A"	3062'	(-1141)
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	L-KC "B"	3090'	(-1169)
List All E.Logs Run:		L-KC "F"	3135'	(-1214)
		L-KC "G"	3148'	(-1227)

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		10 3/4"	33#	757'	H-40, 8R	500	
Production		7"	26#	3399'	N-80, 8R	175	

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	3062'-64'	L-KC "A"	(existing perfs)	
4 spf	3090'-94'	L-KC "B" [NEW]	500 gal 15% NE w/Clay Stay	
4 spf	3135'-37'	L-KC "F"	(existing perfs)	
4 spf	3148'-50'	L-KC "G" [NEW]	1) 250 gal 15% NE w/Clay Stay 2) 750 gal 15% NE w/checker sol	
TUBING RECORD		Size 2 7/8"	Set At 3291'	Packer At
Date of First, Resumed Production, SWD or Inj. 11/15/95		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	Bbls. 1.5	Gas	Mcf
			Water	Bbls. 337
			Gas-Oil Ratio	----
			Gravity	40

Disposition of Gas: N/A METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease (If vented, submit ACO-18.) ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 3062'-3150'
☐ Other (Specify) _____