

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

API NO. 15- 18-11-COPY
County Ellis
75' W of C N/2 SWW Sec. 18 Twp. 11S Rge. 17 X W ^E

1650 Feet from S(N) (circle one) Line of Section
585 Feet from E(W) (circle one) Line of Section

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

Lease Name Carmichael "A" Well # 10

Field Name Bemis-Shutts

Producing Formation Simpson Sand/L-KC

Elevation: Ground 1849' KB 1854'

Total Depth 3440' PBDT 3355'

Amount of Surface Pipe Set and Cemented at 222 Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 1130 Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan REWORK JJA 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 X Re-Entry Workover

X Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: Energy Reserves Group

Well Name: Carmichael "A" #10

Comp. Date 2-20-61 2/18/85 Old Total Depth 3440'

 Deepening Re-perf. Conv. to Inj/SWD
X Plug Back 3355' PBDT
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

1/30/61 5-25-95 2/8/61 2/20/61 5-27-95
~~START~~ Date OF START Date Reached TD Completion Date OF
OF WORKOVER WORKOVER

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Jerby 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)

JUL 21 1995

86229

SIDE 1

Operator Name Hillwood Petroleum, Inc. Lease Name Carmichael "A" Well # 10

Sec. 18 Twp. 11S Rge. 17 County Ellis

East
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests gtl 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
Simpson Sand 3338' (-1484)

CASING RECORD <input 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
	12 1/4"	9 5/8"	32#	222'		200	
	7 7/8"	5 1/2"	14#	3440'		250	
	Note: DV tool @			1130'		650	

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 new	3338-44' Simpson Sand	500 gal 15% NE acid w/Clay Stay	3344'
old	3148-3150' Lansing "G"		
old	3090-3092' Lansing "C"		
old	3083-84' Lansing "C"		

TUBING RECORD		Size	Set At	Packer At	Liner Run			
		2 7/8	3355	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumed Production, SMD or Inj.			Producing Method					
5/27/95			<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.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	8 1/2		----		671		----	31

Disposition of Gas: N/A METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled 3083-3344'
 Vented Sold Used on Lease (If vented, submit ACO-18.) Other (Specify) _____