

ORIGINAL

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

API NO. 15-0-051-22151 - 0091

County Ellis

SE - SE - NW - SW Sec. 18 Twp. 11S Rge. 17 X W

2970 Feet from (S/N) (circle one) Line of Section

2970 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 J. Carmichael "A" Well # 11

Field Name Bemis-Shutts

Producing Formation Arbuckle + LKC + Plattsmouth

Elevation: Ground 1882 KB 1881

Total Depth 3490 PBDT 3403

Amount of Surface Pipe Set and Cemented at 2810 Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 1146 Feet

If Alternate II completion, cement circulated from
feet depth to w/ sx cmt.

Drilling Fluid Management Plan REWORK 294 6-26-95
(Data must be collected from the Reserve Pit)

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

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

If Workover:

Operator: Energy Reserves Group

Well Name: 11 Carmichael "A"

Comp. Date 1/19/81 Old Total Depth 34

 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT

 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

5-1-95 Date of REENTRY Date Reached TD Completion Date of 5-4-95
 WASHDOWN

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.

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 6/15/95

Subscribed and sworn to before me this 15th day of June, 1995.

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

 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

STATE CORPORATION COMMISSION

JUN 21 1995
06-20-95

P1

SIDE TWO

Operator Name Hallwood Petroleum, Inc. Lease Name J. Carmichael "A" Well # 11

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

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 Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List All E.Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Datum</th> </tr> </thead> <tbody> <tr> <td>L-KC "G"</td> <td>3190'</td> <td>(-1309)</td> </tr> <tr> <td>L-KC "C"</td> <td>3132'</td> <td>(-1251)</td> </tr> <tr> <td>Plattsmouth</td> <td>3114'</td> <td>(-1233)</td> </tr> <tr> <td>Arbuckle</td> <td>3390'</td> <td>(-1509)</td> </tr> </tbody> </table>	Name	Top	Datum	L-KC "G"	3190'	(-1309)	L-KC "C"	3132'	(-1251)	Plattsmouth	3114'	(-1233)	Arbuckle	3390'	(-1509)
Name	Top	Datum														
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L-KC "C"	3132'	(-1251)														
Plattsmouth	3114'	(-1233)														
Arbuckle	3390'	(-1509)														

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	8 5/8"		200'	50/50 Poz	225	2% gel 3% CC
		5 1/2"		3489'	50/50 Poz	405	.75% CF R, 2% gel
		DV Tool @		1146'	200 Lite & 50	275	10% salt

ADDITIONAL CEMENTING/SQUEEZE RECORD Common					
Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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	
		Amount and Kind	Depth
4 spf	3190-96' (L-KC "G")	750 gal 15% NE w/Clay Stay	3196
4 spf	3132-38' (L-KC "C")	750 gal 15% NE w/Clay Stay	3138
4 spf	3114-21' (Plattsmouth)	750 gal 15% NE w/Clay Stay	3121
4 spf	3390-93' (Arbuckle)	Golden Jets	3393

TUBING RECORD		Size <u>2 7/8</u>	Set At <u>3350'</u>	Packer At <u>3450'</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. N/A			Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Trace	Bbls. N/A	Gas Mcf	Water Bbls. 2	Gas-Oil Ratio N/A Gravity

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 3390-93', 3114-3196'
 (If vented, submit ACO-18.) Other (Specify) _____