

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

**ORIGINAL**

*gml*

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Operator: License # 30535  
Name: Härtman Oil Co., Inc.  
Address: 12950 E 13th St. N.  
City/State/Zip: Wichita, Ks. 67230-1457  
Purchaser: NCRA  
Operator Contact Person: Stan Mitchell  
Phone: (620) 277-2511  
Contractor: Name: Abercombie RTD, Inc.  
License: 30684  
Wellsite Geologist: Wes Hansen

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

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_

7-27-04	8-5-04	8-18-04
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 055-21834-0000  
County: Finney  
C SW NE Sec. 17 Twp. 22 S. R. 33  East  West  
2020 feet from S (N) (circle one) Line of Section  
2090 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) (NE) SE NW SW  
Lease Name: Finnup B Well #: 1-12  
Field Name: Damme

Producing Formation: Morrow - 4762-72'  
Elevation: Ground: 2892' Kelly Bushing: 2897'  
Total Depth: 4950' Plug Back Total Depth: 4919'  
Amount of Surface Pipe Set and Cemented at 354' - w/ 275 sxs Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2858' Feet  
If Alternate II completion, cement circulated from 4950  
feet depth to surface w/ 975 sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content 2000 ppm Fluid volume 8000 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License 6  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**RECEIVED**  
**SEP - 1 2004**

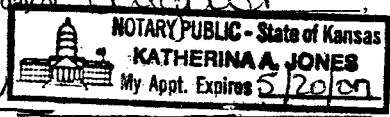
**KCC WICHITA**

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: *S. Mitchell*  
Title: Production supervisor Date: 8-31-04

Subscribed and sworn to before me this 31<sup>st</sup> day of August, 2004.  
Notary Public: Katherina A. Jones  
Date Commission Expires: May 20, 2007



**KCC Office Use ONLY**

Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Hartman Oil Co., Inc. Lease Name: Finnup B Well #: # B-12  
 Sec. 17 Twp. 22 S. R. 33  East  West County: Finney

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  Dual Compensated Porosity Log - Daul Induction Log - Microresistivity Log - Sonic Cement Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  <table border="0" style="width: 100%;"> <tr> <td style="width: 70%;">Name</td> <td style="width: 15%;">Top</td> <td style="width: 15%;">Datum</td> </tr> <tr> <td>Heebner</td> <td>3806'</td> <td>-909'</td> </tr> <tr> <td>Lansing</td> <td>3854'</td> <td>-957'</td> </tr> <tr> <td>Pawnee</td> <td>4426'</td> <td>-1529'</td> </tr> <tr> <td>Fort Scott</td> <td>4452'</td> <td>-1555'</td> </tr> <tr> <td>Cherokee</td> <td>4466'</td> <td>-1569'</td> </tr> <tr> <td>Morrow Shale</td> <td>4656'</td> <td>-1759'</td> </tr> <tr> <td>Morrow Sand</td> <td>4710'</td> <td>-1813'</td> </tr> <tr> <td>Missippian</td> <td>4780'</td> <td>-1883'</td> </tr> </table>	Name	Top	Datum	Heebner	3806'	-909'	Lansing	3854'	-957'	Pawnee	4426'	-1529'	Fort Scott	4452'	-1555'	Cherokee	4466'	-1569'	Morrow Shale	4656'	-1759'	Morrow Sand	4710'	-1813'	Missippian	4780'	-1883'
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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
Surface	12-3/4"	8-5/8"	23#	354'	common	275	3 % CC - 2 % gel
Production	7-7/8"	5-1/2"	14#	4950'	Lite & ASC	625 & 350	w/1/4 # Floseal

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)
( 2 / SPF )	4762-72'	1250 GAL 7-1/2 % ACID

RECEIVED  
SEP - 1 2004  
KCC WICHITA

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-2/8"	4900'	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr. 8-27-04	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	75		-0-		

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION

Open Hole  Perf.  Dually Comp.  Commingled  
 Other (Specify) \_\_\_\_\_

Production Interval

**Bit Record**

Bit #	Size	Mfg	Type	Depth out	Footage	Hours
1	12 1/4	Varel	TGR	357'	357'	6
2	7 7/8	Smith	F27-IVR	2506'	2149'	37
3	7 7/8	Smith	FI23VPS	3657'	1151'	50 1/2
4	7 7/8	Smith	FI23VPS	4781'	1124'	50 3/4
5	7 7/8	Reed	HP52	4950'	169'	13 1/4

Deviation Surveys: 357' was 1/2 deg.; 3657' was 1/2 deg.; 4781' was 1 1/2 deg.; 4950' was 1 1/4 deg.

**Casing Record:**

8 5/8" set at 354' with 275 sx

5 1/2 " set at + or - 4950'

**DSTs**

DST No. 1 Morrow Sand

Interval: 4648'-4781'

Times: 30"-60"-45"-90"

IFP: wk blow bldg. B.O.B. in 10 minutes

ISIP: wk surface blowback

FFP: wk bldg. to B.O.B. in 3 minutes

FSIP: wk surface blowback

Recovery: 2110' GIP; 405' sl mud cut gassy oil

40g, 55o, 5m); 495' mud cut gassy oil (43g, 50o, 7m)

FP: 188-336/340-443 SIP: 817-811

HP: 2270-2222 BHT: 120 deg. F

**COMMENTS**

Contractor: Abercrombie RTD, Inc. Rig #8

Pusher: Steve Craig


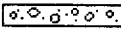

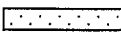

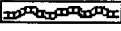
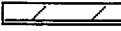
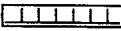

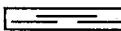
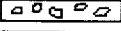

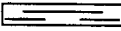

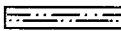


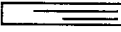
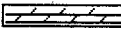
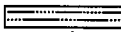
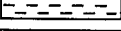
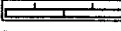
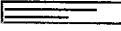

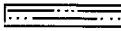


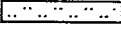
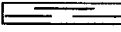
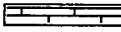
Mud by Mudco/Service Mud - Tony Maestas was engineer

DST's: 1 by Trilobite Testing - Ray Schwager was tester




































Gas Detection by Earthtech OGL, Inc.

Open Hole Logs by Log-Tech

**ROCK TYPES**

	Anhy		Congl		Mrlst		Ss		Sandylms
	Bent		Dol		Salt		Till		Shale
	Brec		Gyp		Shale		Carb sh		Sltstn
	Cht		Igne		Shcol		Dol		Shlyslts
	Clyst		Lmst		Shgy		Dtd		Sitysh
	Coal		Meta		Sltst		Gry sh		Lms

**ACCESSORIES**

<b>MINERAL</b>		Marl		Belm		Fuss		Lms	
	Anhy		Minxl		Bioclst		Oomold		Sandylms
	Arggrn		Nodule		Brach				Sh
	Arg		Phos		Bryozoa				Sltstn
	Bent		Pyr		Cephal	<b>STRINGER</b>			
	Bit		Salt		Coral		Anhy		
	Brecfrag		Sandy		Crin		Arg	<b>TEXTURE</b>	
	Calc		Silt		Echin		Bent		Boundst
							Coal		Chalky