

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 30535  
Name: HARTMAN OIL CO., INC.  
Address: 1223 N. ROCK RD BLDG A/200  
City/State/Zip: WICHITA, KS 67206  
Purchaser: NCRA  
Operator Contact Person: STAN MITCHELL

Phone: (620) 277-2511  
Contractor: Name: WOODMAN & IANNITTI DRILLING CO.  
License: 5122  
Wellsite Geologist: SCHMIDLAPP

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

If Workover/Re-entry: Old Well Info as follows:  
Operator: W.L. HARTMAN

Well Name: PANNING #11  
Original Comp. Date: 8/20/82 Original Total Depth: 3425'  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back 3347' Plug Back Total Depth  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No. \_\_\_\_\_

<u>11/22/02</u>	<u>11/22/02</u>	<u>11/30/02</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 009-22,818-0001  
County: BARTON  
SE NW SW Sec. 35 Twp. 19 S. R. 12  East  West  
990 feet from S N (circle one) Line of Section  
990 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: PANNING Well #: 11

Field Name: HAMMER  
Producing Formation: ARBUCKLE

Elevation: Ground: 1801' Kelly Bushing: 1806'  
Total Depth: 3425' Plug Back Total Depth: 3347'

Amount of Surface Pipe Set and Cemented at 342' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.  
ALT I WHM 10-10-06

**Drilling Fluid Management Plan**  
(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. R. \_\_\_\_\_ East West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**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: [Signature]  
Title: Field Superintendent Date: 3/25/03  
Subscribed and sworn to before me this 25 day of March,  
2003.  
Notary Public: [Signature]  
Date Commission Expires: 2/7/06

**KCC Office Use ONLY**

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



Operator Name: HARTMAN OIL CO., INC. Lease Name: PANNING Well #: 11  
 Sec. 35 Twp. 19 S. R. 12 East  West County: BARTON

**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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken Yes <input checked="" type="checkbox"/> No Electric Log Run Yes <input checked="" type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Log</th> <th style="text-align: left;">Formation (Top), Depth and Datum</th> <th style="text-align: left;">Sample</th> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>ARBUCKLE</td> <td>3347'</td> <td>-1541 KB</td> </tr> <tr> <td>CONG</td> <td>3338'</td> <td>-1532 KB</td> </tr> <tr> <td>LKC</td> <td>3093'</td> <td>-1287 KB</td> </tr> <tr> <td>HEEBNER</td> <td>2960'</td> <td>-1154 KB</td> </tr> </table>	Log	Formation (Top), Depth and Datum	Sample	Name	Top	Datum	ARBUCKLE	3347'	-1541 KB	CONG	3338'	-1532 KB	LKC	3093'	-1287 KB	HEEBNER	2960'	-1154 KB
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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 1/4"	8 5/8"	24#	342'	Common	235	3% c.c.
PRODUCTION	7 7/8"	5 1/2"	15 1/2 #	3424'	60/40 POS	200	14% SALT, 25#
							GEL

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	none			

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
2 per foot	3335-3342' CIBP @3344'	250 GAL 15% NEFE/3 BBL DIESEL	3300'
		500 GAL 15% NEFE/297 BBL DIESEL	3300'

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	No
		2 3/8"	3340' RB			<input checked="" type="checkbox"/>	<input type="checkbox"/>

Date of First, Resumed Production, SWD or Enhr. 12/27/02		Producing Method					
		Flowing	<input checked="" type="checkbox"/> Pumping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	36	0	0 BBL		40		

Disposition of Gas  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled \_\_\_\_\_  
*(If vented, Submit ACO-18.)*  Other (Specify) \_\_\_\_\_