

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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: VIRGINIA DRILLING CO.
License: 3720
Wellsite Geologist: DELMER L. POWERS

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: W.L. HARTMAN
Well Name: PANNING #3
Original Comp. Date: 11/3/45 Original Total Depth: 3348'
 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. _____

<u>11/14/02</u>	<u>11/14/02</u>	<u>11/21/02</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 009-07200-0001
County: BARTON
NE SW NW Sec. 35 Twp. 19 S. R. 12 East West
1620' 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 #: 3

Well Name: HAMMER
Producing Formation: ARBUCKLE
Elevation: Ground: 1806' Kelly Bushing: 1811'
Total Depth: 3341' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 210' 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 WHTM 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: S.T. Maleski
Title: Field Superintendent Date: 3/25/03
Subscribed and sworn to before me this 25th day of March,
~~2003~~
Notary Public: Meryl S. King
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 #: 3
 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;"> <thead> <tr> <th style="text-align: left;">Log Name</th> <th style="text-align: left;">Formation (Top), Depth and Datum</th> <th style="text-align: left;">Sample Datum</th> </tr> </thead> <tbody> <tr> <td>ARBUCKLE</td> <td>3341'</td> <td>-1535 KB</td> </tr> <tr> <td>CONG</td> <td>3336'</td> <td>-1530 KB</td> </tr> <tr> <td>LKC</td> <td>3093'</td> <td>-1287 KB</td> </tr> </tbody> </table>	Log Name	Formation (Top), Depth and Datum	Sample Datum	ARBUCKLE	3341'	-1535 KB	CONG	3336'	-1530 KB	LKC	3093'	-1287 KB
Log Name	Formation (Top), Depth and Datum	Sample Datum											
ARBUCKLE	3341'	-1535 KB											
CONG	3336'	-1530 KB											
LKC	3093'	-1287 KB											

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"		210'	COMMON	130	3% c.c.
PRODUCTION	10 3/4"	5 1/2"		3343'	COMMON	50	

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
2 per foot	3311-3315		250 GAL 15% NE	3230'
2 per foot	3260-3264		500 GAL 15% NE	3258'
2 per foot	3230-3233		500 GAL 15% NE	3244'

TUBING RECORD		Size	Set At	Packer At	Liner Run	
		2 3/8"	3068'	3067.98'	Yes	<input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method				
11/23/02		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	
	5	0	60 BBL		40	

Disposition of Gas Vented Sold Used on Lease Other (Specify) _____

(If vented, Sumit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled _____

Production Interval _____