

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

COPY Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 30535
Name: HARTMAN OIL CO., INC.
Address: P. O. Box 54
City/State/Zip: Wichita, KS. 67201
Purchaser: Texaco
Operator Contact Person: Stan Mitchell
Phone: (316) 272-3988
Contractor: Name: Duke Drilling Co., Inc
License: 5929
Wellsite Geologist: Terry McLeod
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. _____
12-17-97 KCC
12/20/97
01/03/98 01/31/98
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

CONSERVATION DIVISION
Wichita, Kansas

JUN 19 2000

API No. 15 - 077-21342-0000
County: Harper
C. NW NE Sec. 01 Twp. 33 S. R. 06 ☐ East ☒ West
4,620 feet from S / N (circle one) Line of Section
1,980 feet from E / W (circle one) Line of Section
Stages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Gowing A Well #: 1
Field Name: Wildcat
Producing Formation: Mississippi
Elevation: Ground: 1,340' Kelly Bushing: 1,348'
Total Depth: 4,867' Plug Back Total Depth: 4,508'
Amount of Surface Pipe Set and Cemented at 262 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.

Drilling Fluid Management Plan ALT I gk 7-18-00
(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: Stan Mitchell

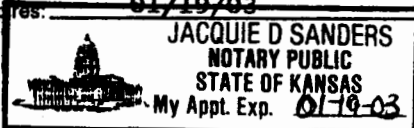
Title: Production Supervisor Date: 06/12/00

Subscribed and sworn to before me this 12th day of June

2000

Notary Public: Jacquie D Sanders

Date Commission Expires: 01/19/03



KCC Office Use ONLY

☐ Letter of Confidentiality Attached

☒ If Denied, Yes ☐ Date: _____

☒ Wireline Log Received

☐ Geologist Report Received

☐ UIC Distribution

☒ IOG

Operator Name: **HARTMAN OIL CO., INC.** Lease Name: **Gowing** Well #: **A-1**
 Sec. **01** Twp. **33** S. R. **06** ☐ East ☒ West County: **Harper**

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 Electric Wireline Logs surveyed. Attach final geological well site report.

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: Dual Compensated Porosity Log Dual Induction Log Acoustic CementBond Log	☒ Log Formation (Top), Depth and Datum ☐ Sample <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Heebner</td> <td>3,140</td> <td>-1,792</td> </tr> <tr> <td>Stalnaker</td> <td>3,525</td> <td>-2,177</td> </tr> <tr> <td>KC</td> <td>3,753</td> <td>-2,405</td> </tr> <tr> <td>Mississippi</td> <td>4,395</td> <td>-3,047</td> </tr> <tr> <td>Simpson</td> <td>4,860</td> <td>-3,512</td> </tr> <tr> <td>TD</td> <td>4,866</td> <td>-3,518</td> </tr> </tbody> </table>	Name	Top	Datum	Heebner	3,140	-1,792	Stalnaker	3,525	-2,177	KC	3,753	-2,405	Mississippi	4,395	-3,047	Simpson	4,860	-3,512	TD	4,866	-3,518
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CASING RECORD ☒ New ☐ 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	# Sacs Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	20#	262	60-40 3% CC 2%	175	3% CC 2% Gel
Production	7 7/8"	5 1/2"	14#	4,549'	Class A	150	ASC & 5# Flo Seal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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
2 SPF	4,402-10' (8') 16 holes	500 Gal. 7 1/2% FE Acid	4,402-10'

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 7/8"	4,476'		☐ Yes ☒ No

Date of First, Resumed Production, SWD or Enhr.		Producing Method			
01/31/98		☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
13 BO	13	25	95		

Disposition of Gas	METHOD OF COMPLETION	Production Interval
☐ Vented ☐ Sold ☒ Used on Lease (If vented, Sumit ACO-18.)	☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other (Specify) _____	_____