

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISIONForm ACO-1
September 1999
Form Must Be TypedWELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

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: _____

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. _____

06/29/04 07/09/04 07/21-04
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

API No. 15 - 16-055-21836County: FinneyNE NE NE Sec. 28 Twp. 22 S. R. 33 ☐ East ☒ West510 feet from S / N (circle one) Line of Section1300 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Damme Well #: 34Field Name: DammeProducing Formation: MorrowElevation: Ground: 2883' Kelly Bushing: 2888'Total Depth: 4896' Plug Back Total Depth: 4846'Amount of Surface Pipe Set and Cemented at 334' FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set 2634' FeetIf Alternate II completion, cement circulated from 4846'feet depth to surface w/ 975 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content 1600 ppm Fluid volume 8000 bblsDewatering method used Evaporation

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: J.T. MitchellTitle: Production Supervisor Date: 8-10-04

Subscribed and sworn to before me this _____ day of _____

20 04Notary Public: Katherine A. JonesDate Commission Expires: May 5, 2007

KCC Office Use ONLY

☐ Letter of Confidentiality ReceivedIf Denied, Yes ☐ Date: _____☐ Wireline Log Received☐ Geologist Report Received☐ UIC Distribution

Operator Name: Hartman Oil Co., Inc Lease Name: Damme Well #: 34
 Sec. 28 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 ☒ 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:

Spectral Density Dual Spaced Neutron Log - High
 Resolution Induction Log - Microlog - Sonic Bond
 Log

☐ Log Formation (Top), Depth and Datum ☒ Sample

Name	Top	Datum
Heebner Shale	3781'	-893'
Lansing	3833'	-945'
Marmaton	4325'	-1437'
Pawnee	4394'	-1508'
Fort Scott	4426'	-1538'
Cherokee Shale	4438'	-1550'

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	# Sacks Used	Type and Percent Additives
Surface	12-3/4"	8-5/8"	23#	334'	Class A	225	w/ 3% C. C.
Production	7-7/8"	5-1/2"	14#	4896'	Lite & ASC	625 & 350	w/1/4 # Floseal
							10% salt

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	4668-78'	Acidized 1500 Gal 7-1/2 % w/ 30 Ball sealers	4650'
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	AUG 12 2004		
	KCC WICHITA		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8"	4804'	N/A	☐ Yes ☒ No
Date of First, Resumerd Production, SWD or Enhr.	Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	35	-0-	-0-	

Disposition of Gas

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☒ Used on Lease
 (If vented, Submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

Damme #34

7/19/04

Ran CBL from PBTD 4846' to surface - swab CSG to 2900' perf 4668-78' (10') 2/SPF - RIH w/ CSG swab FL @ 2900' - swab to 4650' (show of oil) RIH w/ PKR on 2 7/8" TBG - spot acid across perfs 4668-78' - set PKR @ 4620 - broke down @ 1300# - treated 500 GAL 7 1/2 PAD acid @ max 1000# @ 4.75 BPM ISIP @ 250# VAC in 15 sec. - shut in 30 min. - RIH w/ swab FL @ 600' - swab back 32 BBL - 5 BBL short of load (38 BBL)

7/20/04

TBG PSI @ 20# - RIH w/ swab FL @ 3000' from surface - swab back total 56 BBL - 18 BBL over seed - last 2 Hrs swabbing from SN, 6.38 BBL last 2 hrs - retreated w/ 1000 GAL 7 1/2 % Ne/Fe (54 BBL load) & 30 1.3 S.G. ball sealers @ max 570# 4.5 BPM - (did not ball off) ISIP VAC - shut in 1 hr - RIH w/ swab - FL @ 2400' FS - swab back (37 BBL's) good show of oil 17 BBL short of seed, shut in overnight

7/21/04

TBG PSI @ 25# - RIH w/ swab - FL @ 3000' FS - swab down to SN in 2 hrs - (recovered 17.4 BBLs) most all oil - released PKR - lowered PKR through perforations to knot off all frac balls - POOH w/ PKR - RIH w/ MA, SN, 6 JTS 2 7/8" TBG, anchor catcher & 150 JTS 2 7/8" TBG - TAG PBTD @ 4846' - set anchor catcher @ 20,000# over TBG wt.

7/22/04

RIH w/ 2 1/2" X 1 1/2" X 14' RWTC - on tapered 7/8" & 3/4" rods - load TBG PSI to 100# - RDMF

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HARTMAN OIL CO., INC.

DRILLED
6/30/2004

HARTMAN OIL CO., INC.

LEASE- DAMME

WELL NO. #34

FIELD NAME DAMME
510' FNL & 1300' FEL

LOCATION NE-NE-NE
SEC. 28-22S-32W
FINNEY CO., KS.

8-5/8" @ 344'

W/ 225 SX CEMENT

REGULAR CLASS A

W/ 3 % C. C.

NOTE: - CEMENT CIRCULATED TO SURFACE

= 2634' - STAGE COLLAR - 475 SX LITE - W/ 1/4 # FLOSEAL + 150 SX CLASS C

NOTE: - CEMENT CIRCULATED TO SURFACE

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X{ }X

4620' TBG ANCHOR CATCHER

7/19/2004

= 4668-78' MORROW SAND

4804' SEATING NIPPLE

PBTD

XXXXXXXX

4846'

XXXXXXXX

CSG TD

XXXXXXXX

5-1/2" - 14# @ 4896" W/ 150 SXS LITE W/ 1/4 # FOLSEAL - 200 SXS ASC
W/ 10 % SALT + 5 % GILSONITE

STAN MITCHELL