

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

12/08/00

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: 10500 E Berkeley Square Parkway - Suite 100
City/State/Zip: Wichita, Ks. 672206
Purchaser: NCRA
Operator Contact Person: Stan Mitchell
Phone: (620) 277-2511
Contractor: Name: H2 Drilling Rig #2
License: 33793
Wellsite Geologist: Wes Hansen

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

10-21-08	10-29-08	11-15-08
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 055-22004-00-00
County: Finney
 NW SE Sec. 16 Twp. 22 S. R. 33 East West
2309' feet from N (circle one) Line of Section
2302' feet from W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Ward Well #: 6
Field Name: Damme
Producing Formation: Miss - Pawnee - L/KC "I" - L/KC "H"
Elevation: Ground: 2891' Kelly Bushing: 2880'
Total Depth: 4773' Plug Back Total Depth: 4726'
Amount of Surface Pipe Set and Cemented at 355' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1563' Feet
If Alternate II completion, cement circulated from 1563'
feet depth to surface w/ 400 sx cmt.

Drilling Fluid Management Plan AHIN032210
(Data must be collected from the Reserve Pit)
Chloride content 3600 ppm Fluid volume 8000 bbls
Dewatering 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: S.T. Mitchell
Title: Vice President Field Operations Date: _____
Subscribed and sworn to before me this 8th day of December,
20 08.
Notary Public: Linda Chanel Neises
Date Commission Expires: _____

KCC Office Use ONLY

Letter of Confidentiality Received
 If Denied, Yes No Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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Notary Public State of Kansas
Linda Chanel Neises
My Appt Exp 08/07/2010

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Hartman Oil Co., Inc Lease Name: Ward Well #: 6
 Sec. 16 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:

Dual Compensated Porosity Log - Microresistivity
 Log - Dual Induction Log - Sonic Bond Log

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Heebner Shale	3769'	-878'
Lansing	3815'	-924'
Marmanton	4317'	-1426'
Cherokee Shale	4437'	-1546'
Mississippian	4622'	-1731'
Morrow Sand	4674'	-1783'
St Louis "B"	4676'	-1785'
LTD	4773'	-1882'

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#	355'	Class A	250	w/ 3% CC & 2% Gel
Production	7-7/8"	5-1/2"	15.5#	4766	ASC & LITE	975	10% SALT 5# GIL - 1/4# FLO SEAL

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)	Depth
4/SPF	Miss - 4674-4684'	500 Gal 15% MA Acid	4674-84'
4/SPF	Pawnee - 4396-4400'	500 Gal 15% MA Acid	4396-4400'
2/SPF	L/KC "I" - 4066-70'	500 Gal 15% MA Acid	4066-70'
2/SPF	L/KC "H" - 4033-37'	500 Gal 15% MA Acid	4033-47'

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	4415'	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
11/28/08		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift (Other Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	
	56	0	179		

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: _____

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CONSERVATION DIVISION WICHITA, KS

ALLIED CEMENTING CO. LLC. 043951

REMIT TO: P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: 044-125

DATE <u>10-30-08</u>	SEC. <u>16</u>	TWP. <u>22</u>	RANGE <u>33</u>	CALLED-OUT	ON LOCATION <u>8:00am</u>	JOB START <u>10:30am</u>	JOB FINISH <u>11:30pm</u>
WARD <u>Ward</u>	WELL # <u>16</u>	LOCATION <u>Barlow Rd + Chmella Rd</u>			COUNTY <u>Finney</u>	STATE <u>KS</u>	
LEASE				OLD OR (NEW) (Circle one) <u>NEW</u>			

CONTRACTOR 42
 TYPE OF JOB 2-stage (top)
 HOLE SIZE _____ T.D. _____
 CASING SIZE 5 1/2 IS.S DEPTH 1564
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX. _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER _____
 CEMENT AMOUNT ORDERED 350 bbls 1 1/4" 4
60 seal 50 com

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy
 # 431 HELPER Kelly
 BULK TRUCK # 399 DRIVER John
 BULK TRUCK # 377 DRIVER Jenny

COMMON	<u>50</u>	@ <u>15.45</u>	<u>772.50</u>
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
<u>6-1/2</u>	<u>350</u>	@ <u>14.05</u>	<u>4917.50</u>
<u>60-seal</u>	<u>884</u>	@ <u>2.50</u>	<u>2210.00</u>
		@	
		@	
		@	<u>1027.20</u>
HANDLING	<u>428</u>	@ <u>2.50</u>	<u>1070.00</u>
MILEAGE	<u>1045 km</u>	@	<u>3135.00</u>
			<u>10001.00</u>

REMARKS:
run 105K in MM - 156K in BH
run 32 S.S. 1 1/4" 4" 60 seal
Trail in with 60 S.S. com neat
wash out pump lines. Displace
plus to Du Tool 700' hst 1600'
hand plus down @ 11:05 Tool
closed cement dtd circulate
3 S.S. BALS.
THANKS Fuzzy + crew

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1185.00</u>
EXTRA FOOTAGE	@	
MILEAGE	@	<u>NC</u>
MANIFOLD	@	<u>NC</u>
	@	
	@	
TOTAL		<u>1185.00</u>

CHARGE TO: Hartman Oil Co
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@	
_____	@	
_____	@	
_____	@	
_____	@	

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

TOTAL _____
 SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS KCC

PRINTED NAME Wesley Buff
 SIGNATURE [Signature]

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 KANSAS CORPORATION COM. DIV.
 DEC 09 2008
 CONSERVATION DIVISION
 MOUNTAIN VIEW

ALLIED CEMENTING CO. LLC. 043950

REMIT TO: P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
ONE WFS

DATE: 10-30-08	SEC: 16	TWP: 22	RANGE: 33	CALLED OUT	ON-LOCATION: 8:00am	JOB START: 5:30pm	JOB FINISH: 6:30pm
LEASE: <u>ward</u>	WELL#: #6	LOCATION: <u>Barbours Rd 4w- Chemika</u>	COUNTY: <u>Funny</u>		STATE: <u>KS</u>		
OLD OR NEW (Circle one):		<u>Rd 15w- 1/2 00</u>					

CONTRACTOR: H2 #2
 TYPE OF JOB: 2-stage (Bottom)
 HOLE SIZE: 7 7/8 T.D. 4769'
 CASING SIZE: 5 1/2 IS.S DEPTH 4766'
 TUBING SIZE: _____ DEPTH: _____
 DRILL PIPE: _____ DEPTH: _____
 TOOL: DU Tool #75 DEPTH: 1564'
 PRES: MAX _____ MINIMUM _____
 MEAS. LINE: _____ SHOE JOINT: 41'
 CEMENT LEFT IN CSG: 41'
 PERFS: _____
 DISPLACEMENT: 112.45 BAGS
 EQUIPMENT: 37.2 mud / 75.2 water
 PUMP TRUCK CEMENTER: Fuzzy
 # 431 HELPER: Kelly
 BULK TRUCK # 394 DRIVER: Alvin
 BULK TRUCK # 347 DRIVER: Walt Marble

OWNER: _____
 CEMENT AMOUNT ORDERED: 425 sk Lite 1 1/4 Closeal
150 ASC 220 gal 100 gal H
5# oil/sk
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ 20.00 62.00
 CHLORIDE _____ @ _____
 ASC _____ @ 18.00 2790.00
1.4x 425 sk @ 14.05 5971.25
Salt 10 sks @ 23.95 383.20
Calcium 750# @ .89 667.50
Closeal 100# @ 2.50 265.00
 HANDLING: 648 @ 2.40 1555.20
 MILEAGE: 10 x 2 x mile 4530.00
TOTAL: 16424.95

REMARKS:

max 425 sks lite 1 1/4 Closeal
150 gal ASC 220 gal H
10 gal salt 5# oil/sk, without
pump lines Displace plus to
track down 900# bit, 1500# land
Closeal plug down @ 6:30pm
Drop DU Bomb with down open tool
@ 12:00 am, 4 hrs
turns Fuzzy & crew

SERVICE

DEPTH OF JOB: 4766'
 PUMP TRUCK CHARGE: 2185.00
 EXTRA FOOTAGE: _____ @ _____
 MILEAGE: 73 @ 7.00 511.00
 MANIFOLD & head: _____ @ _____
 _____ @ _____
 _____ @ _____

CHARGE TO: Hartman Oil Co.

TOTAL: 2809.00

CITY: _____ STATE: _____ ZIP: _____

PLUG & FLOAT EQUIPMENT

S12
 1- Lockdown Assy (L) 462.00
 1- DU Tool @ (L) 4500.00
 2- AFO floats 100 @ 529.00
 10- Centralizers @ 57.00 570.00
 2- BASKETS @ 186.20 372.20

TOTAL: 6433.00

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

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TOTAL CHARGES _____

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PRINTED NAME: Wesley P. Soff

DISCOUNT _____ IF PAID IN 30 DAYS _____

SIGNATURE: [Signature]

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CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO. LLC. 043844

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley

DATE <u>10-27-08</u>	SEC <u>16</u>	TWP <u>22</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>4:45 pm</u>	JOB START <u>3:30 am</u>	JOB FINISH <u>4:00 am</u>
LEASE <u>Ward</u>	WELL # <u>6</u>	LOCATION <u>Garden city</u>			COUNTY <u>Finney</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one) <u>BE SINTO</u>							

CONTRACTOR H 2 Drilling Rig 2 OWNER same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 TD 355' CEMENT

CASING SIZE 8 5/8 DEPTH 354' AMOUNT ORDERED 250 sks com

TUBING SIZE DEPTH 3 1/2 cc 2 1/2 gal

DRILL PIPE DEPTH

TOOL DEPTH

PRES MAX MINIMUM COMMON 250 sks @ 15.45 3862.50

MEAS LINE SHOE JOINT POZMIX @

CEMENT LEFT IN CSG 15' GEL 5 sks @ 20.80 104.00

PERFS CHLORIDE 9 sks @ 58.00 522.00

DISPLACEMENT 21.59 OBL ASC @

EQUIPMENT

PUMP TRUCK CEMENTER Andrew

423-281 HELPER Larene

BULK TRUCK

278 DRIVER John

BULK TRUCK

DRIVER

HANDLING 264 sks @ 21.40 5649.60

MILEAGE 10¢ sk/mile 1080.00

TOTAL 7163.90

REMARKS:

Cement did circulate SERVICE

thank you

DEPTH OF JOB 354'

PUMP TRUCK CHARGE 1018.00

EXTRA FOOTAGE 54' @ 85 459.00

MILEAGE 75 miles @ 7.00 525.00

MANIFOLD head rental @ 113.00

TOTAL 1221.90

CHARGE TO Hartman oil

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8 5/8

1 surface plug @ 68.00

TOTAL 68.00

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME Wesley Pfall

SIGNATURE [Signature]

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WICHITA KS

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Ward # 6 Completion

Perforations:
4674-84'
4396-4400'
4066-70'
4032-36'

Ward No. 6
16-22S-33W
Finney, Kansas

11-5-08

MIRU H2 Plains Well Service – RIH w/ 4 7/8" Bit on 2 7/8" TBG, w/ 2 drill collars – Tag DV-Tool @ 1563' – Hook up Key Rental Equipment Mud Pump & Power Swivel – Broke circulation – Drilled out DV-Tool – PSI to 300# - RIH w/ Bit to 3600' – Shut In

11-6-08

RIH w/ Bit – Tag PBTD @ 4726' – Circulated clean & POOH w/ TBG & Collars – Rig up Log Tech – RIH w/ CBL – Good Cmt across pay zones – Swab CSG down to 3600' – Perforated Miss @ 4674'-84' (10') 4/ SPF – RIH w/ CSG Swab FL @ 3600' – Swab dry @ 26.68 Bbl (VSSFO) on last run – Shut In 30/ min – RIH w/ Swab FL @ 4600' FS - Recovered 100' (Show of oil) – Shut In

11-7-08

CSG PSI @ small blow – RIH w/ Swab – FL @ 3700' FS – Pulled 250' from 3850' – (50' oil on top) 05% oil – RIH w/ PKR – Set @ 4630' – Treat w/ 500 Gal 15% MA Acid @ max 1000# @ 3.75 BPM – 42 Bbl Load – ISIP @ 500# - Vac in 7 min – Shut In 1/ Hr – RIH w/ TBG Swab - FL @ 1250' FS – Swab back 56 Bbl – FL @ 4350' – Swab back 80 Bbl – FL staying @ 4350' FS – (Show of oil) – Shut In

11-10-08

TBG PSI (small blow) – RIH w/ Swab FL @ 2300' FS – 1st Pull 1000' (light show of oil) – 2nd Pull – 1000' from 3800' (all water) – Release PKR & POOH – Log Tech set CIBP @ 4660' – Perforated upper Pawnee @ 4396-4400' – RIH w/ PKR – Spot acid across perfs – Treated w/ 500 Gal 15% MA Acid @ max 120# @ 4 BPM – ISIP @ vac – Total load 42 Bbl - RIH w/ Swab – FL @ 1100' FS – Swab back 26.5 Bbl – Swab dry – Shut In

11-11-08

TBG PSI @ light blow – RIH w/ Swab FL @ 3800' FS – 1st pull 550' Fluid – (300' oil on top) – Swab 3 HRS – FL @ 4200' FS – Recovered 5.7 Bbl @ 40% oil – Shut In

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11-12-08

RIH w/ Swab – FL @ 3900' FS – (20% oil) – Released PKR & POOH – Log Tech perforated L/KC "I" @ 4066-70' 2/ SPF – RIH w/ RPB & PKR – Set RBP @ 4100' – Spot acid across perms 4066-70' - Set PKR 4036' – Treated w/ 500 Gal MA Acid @ 40# @ 1.5 BPM – ISIP vac @ 1 BPM – Total Load 40 Bbl – RIH w/ Swab – FL @ 1000' FS – Swab back 29 Bbl - (Show of oil) – FL @ 3800' (thick & heavy oil) – Swab back 40 Bbl Total – FL @ 3900' FS (thick heavy oil) – Shut In

11-13-08

TBG PSI (strong blow) – RIH w/ Swab – FL @ 1900' FS – 1st pull 1000' @ 60% oil – 2nd & 3rd pull water – 4th pull (tight heavy oil) @ 3900' FS – FL @ 3600' (oil looking cleaner) – Retreat w/ 45 Bbl condensate – Shut In 30 min - 5 Gal DMO – Flush w/ 30 Bbl 2% KCL water @ max 500# @ 2.5 BPM – ISIP vac in 2 min – Release PKR & POOH – Log Tech perforated L/KC "H" @ 4033-37' – RIH w/ PKR – Move RBP & Reset @ 4050' – PKR @ 4000' – Treated w/ 500 Gal 15% MA Acid @ 100# @ 2 BPM – Total Load 40 Bbl – Shut In – ISIP @ vac

11-14-08

TBG on vac – RIH w/ Swab – FL @ 1800' FS – 1st pull 1000' (show of oil) – 2nd pull FL @ 2400' (show of oil) – Swab back 30 Bbl – FL @ 3700' FS – (show of live gassy oil) – Swab back 40 Bbl – (Good show oil) @ 40% oil – (black oil) – Swab back 80 Bbl – FL @ 3450' (Good show oil) – 35-40% - Release tools & POOH – RIH w/ MA, SN, 13 Jts 2 7/8" TBG, AC, + 126 Jts 2 7/8" TBG (139 total) – Set anchor catcher @ 20,000# over TBG WT – SN @ 4415' (KB) – RIH w/ 2 1/2" X 2" X 14' RWTC on 105 New 3/4" Grade D + 70 New Grade "D" 7/8"

11-15-08

Load TBG – PSI to 300# - RDMF

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