

12/22/10

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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 **CONFIDENTIAL**
 Address: 10500 E Berkeley Square Parkway - Suite 100
 City/State/Zip: Wichita, Ks. 67206
 Purchaser: NCRA
 Operator Contact Person: Stan Mitchell
 Phone: (620) 277-2511
 Contractor: Name: H2 Drilling Rig #2
 License: 33793
 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. _____

10-31-08	11-9-08	11-20-08
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 055-22003-00-00
 County: Finney
 _____ NW _____ NE _____ SE _____ Sec. 16 Twp. 22 S. R. 33 East West
2310' feet from N (circle one) Line of Section
990' 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 #: 5
 Field Name: Damme
 Producing Formation: St. Louis - Ft. Scott - L/KC "I"
 Elevation: Ground: 2880' Kelly Bushing: 2891'
 Total Depth: 4741' Plug Back Total Depth: 4717'
 Amount of Surface Pipe Set and Cemented at 350' Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set 1629' Feet
 If Alternate II completion, cement circulated from 1629'
 feet depth to surface _____ w/ 400 _____ sx cmt.
 Drilling Fluid Management Plan API # 15 22609
 (Data must be collected from the Reserve Pit)
 Chloride content 1300 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: A.T. [Signature]
 Title: Vice President Field Operations Date: 12/16/08
 Subscribed and sworn to before me this 16th day of December,
20 08.
 Notary Public: Linda Chanel Neises
 Date Commission Expires: 08/27/2010

Notary Public State of Kansas
 Linda Chanel Neises
 My Appt Exp 08/27/2010

KCC Office Use ONLY

Letter of Confidentiality Received
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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CONSERVATION DIVISION
 WICHITA, KS

Operator Name: Hartman Oil Co., Inc Lease Name: Ward Well #: 5
 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:

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Heebner Shale	3778'	-887'
Lansing	3824'	-933'
Marmanton	4313'	-1422'
Cherokee Shale	4435'	-1544'
Morrow Formation	4614'	-1723'
Mississippian	4625'	-1734'
St Louis "B"	4696'	-1805'
LTD	4744'	-1853'

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

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#	350'	Class A	250	w/ 3% CC & 2% Gel
Production	7-7/8"	5-1/2"	15.5#	4734'	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				

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PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		WICHITA, KS	
Shots Per Foot	Set At	Packer At	Liner Run	Depth			
4/SPF	St. Louis - 4697-4701'	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4697-4701'	500 Gal 15% MA Acid		
4/SPF	Ft Scott - 4428-32'			4428-32'	500 Gal 15% MA Acid		
2/SPF	L/KC "I" - 4062-68'			4062-68'	750 Gal 15% MA Acid		

CONSERVATION DIVISION

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	4650'	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
12/5/08			<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	70	0	190		

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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JAN 06 2009

CONSERVATION DIVISION
 WICHITA, KS

ALLIED CEMENTING CO. LLC. 043807

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

SERVICE POINT:
DAKLEY

DATE <u>11-9-08</u>	SEC. <u>16</u>	TWP. <u>22S</u>	RANGE <u>33W</u>	CALLED OUT	ON LOCATION <u>5:15 PM</u>	JOB START <u>7:00 AM</u>	JOB FINISH <u>5:00 PM</u>
LEASE <u>WAND</u>	WELL # <u>5</u>	LOCATION <u>TENNESSEE RD #83 HWY 25 - SW 3/4 W</u>			COUNTY <u>FINNEY</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)				WINDS			

CONTRACTOR H 2 DRUG REL # 2 OWNER SAME

TYPE OF JOB Production string "Top stage"

HOLE SIZE 7 7/8" T.D. 4741'

CASING SIZE 5 1/2" DEPTH 4734'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL D.V. DEPTH 1616'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 18.68'

CEMENT LEFT IN CSG. 19.68'

PERFS.

DISPLACEMENT 38 1/2 BBLs

CEMENT			
AMOUNT ORDERED <u>50 SKS COM</u>			
<u>350 SKS LITE 1/4" FLO-SEAL</u>			
COMMON	<u>50 SKS</u>	@ <u>15.45</u>	<u>772.50</u>
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
	<u>LITE 350 SKS</u>	@ <u>14.05</u>	<u>4917.50</u>
		@	
		@	
	<u>FLO-SEAL 88"</u>	@ <u>2.50</u>	<u>220.00</u>
		@	
		@	
HANDLING	<u>428 SKS</u>	@ <u>2.40</u>	<u>1027.20</u>
MILEAGE	<u>10.4 PER SK</u>	<u>MILE</u>	<u>3124.00</u>
TOTAL			<u>10061.20</u>

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

422 HELPER WAYNE

BULK TRUCK

399 DRIVER WILL

BULK TRUCK

373 DRIVER WALTER

REMARKS:

MEX 10 SKS CEMENT MOUSE HOLE

MEX 15 SKS CEMENT RAT HOLE

MEX 325 SKS LITE 50 SKS COM

WASH TRUCK & LINES. DISPLACE

38 1/2 BBLs WATER. FINAL LEET

PRESSURE 900 PSI. LAND PLUG AT

1500 PSI. CEMENT OVAL CIRCULATE

35 BBLs TO SET

THANK YOU

SERVICE

DEPTH OF JOB	<u>1616'</u>	
PUMP TRUCK CHARGE		<u>1185.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>7.3 MI</u>	@ <u>NC</u>
MANIFOLD	@	
	@	
	@	
TOTAL		<u>1185.00</u>

CHARGE TO: HARTMAN OIL CO

STREET _____

CITY _____ STATE _____ ZIP _____

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PUBLIC & LEASE EQUIPMENT
KANSAS CORPORATION COMMISSION

DEC 23 2008

CONSERVATION DIVISION
WICHITA, KS

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.

PRINTED NAME Wesley P. Pitt

SIGNATURE [Signature]

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

DEC 23 2008

ALLIED CEMENTING CO., LLC. 043806

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

SERVICE POINT:
DARLEY

DATE <u>11-9-08</u>	SEC. <u>16</u>	TWP. <u>22S</u>	RANGE <u>33W</u>	CALLED OUT	ON LOCATION <u>5:15 PM</u>	JOB START <u>10:30 PM</u>	JOB FINISH <u>11:30 PM</u>
WARD <u>WARD</u>	WELL # <u>5</u>	LOCATION <u>TENNIS RD + 83 HWY 25-3W-1/2 IN</u>			COUNTY <u>FINNEY</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)				<u>W INTO</u>			

CONTRACTOR <u>H 2 DALGRL# 2</u>	OWNER <u>SAME</u>
TYPE OF JOB <u>Production string "Bottom stage"</u>	
HOLE SIZE <u>7 7/8"</u>	T.D. <u>4741'</u>
CASING SIZE <u>5 1/2"</u>	DEPTH <u>4734'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>D-V</u>	DEPTH <u>1616'</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>18.68</u>
CEMENT LEFT IN CSG. <u>18.68</u>	
PERFS.	
DISPLACEMENT <u>73 3/4 BALS water 38 1/2 BALS mud</u>	
EQUIPMENT <u>TOTAL 112 1/4 BALS</u>	

PUMP TRUCK CEMENTER <u>FERRY</u>
<u>422</u> HELPER <u>WAYNE</u>
BULK TRUCK # <u>394</u> DRIVER <u>CHUCK</u>
BULK TRUCK # <u>373</u> DRIVER <u>WALTER</u>

COMMON	@		
POZMIX	@		
GEL <u>3 SKS</u>	@	<u>20.80</u>	<u>62.40</u>
CHLORIDE	@		
ASC <u>150 SKS</u>	@	<u>18.60</u>	<u>2790</u>
<u>Lite 425 SKS</u>	@	<u>14.05</u>	<u>5971.25</u>
<u>GILSONITE 750</u>	@	<u>7.189</u>	<u>667.50</u>
<u>SALT 15 SKS</u>	@	<u>23.95</u>	<u>383.20</u>
<u>Flo-SEAL 106</u>	@	<u>2.50</u>	<u>265.00</u>
HANDLING <u>648 SKS</u>	@	<u>2.50</u>	<u>1555.50</u>
MILEAGE <u>104 PER SK / MILE</u>			<u>4730.00</u>
		TOTAL	<u>76424.95</u>

REMARKS:
MEX 425 SKS LITE 1/4" Flo-SEAL
150 SKS ASC 10% SALT 5" GILSONITE
29 GEL. WASH PUMP + LEVES. DISPLACE
73 3/4 BALS WATER + 38 1/2 BALS MUD. FINAL
FEET PRESSURE 1500 PSI. LAND PLUG
AT 2000 PSI. DROP OPENING TOOL
FOR D-V. WAIT 10 MIN OPEN D-V
CIRCULATE 2 HRS.
 THANK YOU

CHARGE TO: HARTMAN OIL, CO

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE	
DEPTH OF JOB <u>4734'</u>	
PUMP TRUCK CHARGE	<u>2185.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>73 MI</u>	@ <u>7.50</u> <u>511.50</u>
MANIFOLD	@
<u>Head Renta</u>	@ <u>113.00</u>
	@
TOTAL	<u>2809</u>

<u>5 1/2" PLUG & FLOAT EQUIPMENT</u>			
<u>L - Hatchdown plug ASSY</u>		<u>462.00</u>	
<u>1 - AFU Float shoe</u>	@	<u>529.00</u>	
<u>7 - CENTRALIZERS</u>	@	<u>57.00</u>	<u>399.00</u>
<u>B - 3 - CENTRALIZERS</u>	@	<u>57.00</u>	<u>171.00</u>
<u>L - 1 - D-V Tool</u>	@		<u>4500.00</u>
<u>2 - BASKETS</u>	@	<u>186.00</u>	<u>372.00</u>
TOTAL			<u>6433.00</u>

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SALES TAX (If Any) _____

TOTAL CHARGES RECEIVED

DISCOUNT _____ KANSAS CORPORATION COMMISSION IF PAID IN 30 DAYS

PRINTED NAME Wesley Peatt

SIGNATURE [Signature]

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CONSERVATION DIVISION
WICHITA, KS

Ward #5 Completion

Ward #5
16-22S-33W
Finney, KS

11-15-08
MIRU H2 Plains Well Service – Shut down high wind

11-17-08
RIH w/ 4 7/8" bit on 2 7/8" TBG – Tag DV-Tool @ 1629' – Hook up Power Swivel – Broke circulation – drill out DV-Tool – PSI to 300# - RIH w/ bit – Tag PBTD @ 4717' – POOH w/ bit – Log Tech ran CBL – From 4714-3700' – CMT across pay zone – DV-Tool @ 1629' – Perforated St Louis @ 4697-4701' – 4/ SPF – Shut In

11-18-08
RIH w/ CSG Swab – FL @ 500' FS – Swab dry – Shut In 30 min – RIH w/ CSG Swab 25' Full Up – (show of oil) – RIH w/ PKR to 4704' – RIH w/ TBG Swab FL @ 4600' FS – Recovered 100' (all oil) – Spot acid across perforations 4697-4701' – Set PKR @ 4660' – Treat w/ 500 Gal 15% MA Acid @ max 520# @ 3.35 BPM – ISIP @ vac – Total load 43 Bbl – RIH w/ Swab – FL @ 2450' FS – Swab down to SN – Recovered 18 Bbl

11-19-08
TBG PSI @ 20# - RIH w/ Swab FL @ 2100 FS – 1st pull 1000' (show of oil) – Swab down to SN (show of oil) – Recovered 20 Bbl – Shut In 30 min – RIH w/ Swab – FL @ 4350' – Recovered 300' (good show gassy oil) @ 50% - Release PKR & POOH – Log Tech perforated Ft Scott @ 4428-32' 4/ SPF - RIH w/ RBP & PKR – Isolate Ft Scott – Spot acid across perfs 4428-32' – Treat w/ 500 Gal 15% MA acid @ max 430# @ 4.75 BPM – ISIP @ vac – Total Load 45 Bbl – Shut In 15 min – RIH w/ Swab – FL @ 900' FS – Swab back 35 Bbl (show of oil) – Swab down to SN – Recovered 30 Bbl (good live gassy oil) @ 40 % - Recovered load @ 45 Bbl (good live gassy oil) FL @ 3750' FS - Shut In

11-20-08
TBG PSI @ 10# - RIH w/ Swab – FL @ 2800' FS – Pulled 1000' (all oil) – Release Tools & POOH – Log Tech perforated L/KC "I" @ 4062-68' 2/ SPF – RIH w/ Tools – Isolate perforations 4062-68' – Spot acid across perfs – Treated w/ 750 Gal 15% MA acid @ max 400# @ 2.8 BPM – ISIP @ 180# - Vac in 1 min – Shut In 1/HR – Total load 48 Bbl – RIH w/ Swab FL @ 1800 FS – Swab back 40 Bbl Load (good live gassy oil) @ 75% oil – FL @ 3100' – Release Tools & POOH – RIH w/ MA, SN, 21 Jts 2 7/8" TBG, Anchor Catcher + 123 Jts 2 7/8" TBG (144 total Jts 2 7/8" TBG) – Set anchor catcher 20,000# over TBG WT. – SN @ 4640' - RIH w/ 2 1/2" X 2" X 14' RWTC – 110 New 3/4" Grade "D" Rods + 75 New Grade "D" 7/8" Rods – Load TBG & PSI to 300# - All equipment down hole is new - RDMF

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WICHITA, KS

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