

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

4/1/08

Operator: License # 30535
Name: Hartman Oil Co., Inc.
Address: 12950 E. 13th St. N.
City/State/Zip: Wichita, Kansas 67846
Purchaser: NCRA
Operator Contact Person: Stan Mitchell
Phone: (620) 277-2511
Contractor: Name: H2 Drilling Rig #2
License: 33793
Wellsite Geologist: N/A

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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)

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. _____

1/9/08	1/17/08	2/8/08
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 055-21952-0000
County: Finney
NE SE SE Sec. 22 Twp. 21 S. R. 34 East West
990' feet from S / N (circle one) Line of Section
330' feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Lockman Well #: 3

Field Name: Chase
Producing Formation: Krider, Winfield, Towanda

Elevation: Ground: 2949' Kelly Bushing: 2960'
Total Depth: 4800' Plug Back Total Depth: 2900'

Amount of Surface Pipe Set and Cemented at 340' w/ 260 sks Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____
feet depth to surface w/ 475 sx cmt.

Drilling Fluid Management Plan APR 15 10-1209
(Data must be collected from the Reserve #1)

Chloride content 5000 ppm Fluid volume 8000 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. Mitchell

Title: Vice President Field Operations Date: 3/21/08

Subscribed and sworn to before me this 27th day of March

2008
Notary Public: Mary L. Riffel

Date Commission Expires: 1-13-2010



KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
RECEIVED
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CONSERVATION DIVISION
WICHITA, KS

KCC

Operator Name: Hartman Oil Co., Inc. Lease Name: Lockman Well #: 3
 Sec. 22 Twp. 21 S. R. 34 East West County: Finney

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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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3762'	-802'
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Toronto	3787'	-827'
List All E. Logs Run:		Lansing	3811'	-851'
		Base K.C.	4257'	-1297'
		Marmaton	4280'	-1320'
		Cherokee	4404'	-1444'
		Morrow Shale	4594'	-1634'
		Mississippian	4625'	-1665'

Sonic Cement Bond, Microresistivity, Dual Compensated Porosity, Dual Induction

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
	12-1/4"	8-5/8"	24#	340'	common	260	2%gel, 3% CC
	7-7/8"	5-1/2"	15.5#	2948'	ASC-Llite	125 - 350	1/4# Flo-seal, 5# gil

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 <i>(Amount and Kind of Material Used)</i>	Depth
2/SPF	2640-46' Towanda	500 Gal 15% MA - 1250 Gal 15% ne/fe	2640-46'
2/SPF	Winfield 2592-98'	500 Gal 15% % MA - 1250 Gal 7-1/2 % ne/fe	2592-98'
2/SPF	2530-40' & 2520-26'	500 Gal 15% % MA - 1250 Gal 7-1/2 % ne/fe	2520-40'

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2-3/8"	2880'	N/A		
Date of First, Resumerd Production, SWD or Enhr.		Producing Method				
3/21/08		<input checked="" 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	
		25	10			

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease
 Open Hole Perf. Dually Comp. Commingled
(If vented, Submit ACO-18.) Other (Specify)

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 PERFORATION DIVISION
 CHITA, KS

ALLIED CEMENTING CO., INC. 32003

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SERVICE POINT:

Oakley

SELL KANSAS 67665

DATE 4-9-08	SEC. 22	TWP. 21 ^S	RANGE 34 ^W	CALLED OUT	ON LOCATION 8:45 PM	JOB START 11:00 PM	JOB FINISH 11:30 PM
LEASE Lockman #3	WELL # #	LOCATION Gano + 83 Hwy SW-2N			COUNTY Flinn	STATE Kan	
OLD OR (NEW) (Circle one)				W.S.			

CONTRACTOR H2 Dls #2

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 340'

CASING SIZE 8 5/8 DEPTH 338'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 20 1/2 - BBL

OWNER Same

CEMENT

AMOUNT ORDERED 260 SKs com

3% cc - 2% gel

COMMON	<u>260 SKs @</u>	<u>14²⁰</u>	<u>3692⁰⁰</u>
POZMIX	@		
GEL	<u>5 - SKs @</u>	<u>18⁷⁵</u>	<u>93⁷⁵</u>
CHLORIDE	<u>18 - SKs @</u>	<u>52⁴⁵</u>	<u>472⁰⁵</u>
ASC	@		

EQUIPMENT

PUMP TRUCK CEMENTER Walt

423-281 HELPER Louise

BULK TRUCK

373-308 DRIVER Darrin

BULK TRUCK

DRIVER

HANDLING	<u>SKs @</u>	<u>2¹⁵</u>	<u>587¹⁰</u>
MILEAGE	<u>9¢ per sk/mile</u>		<u>1,849⁵⁰</u>
TOTAL			<u>6,696⁴⁰</u>

REMARKS:

Cement Die Circ

Thank You

SERVICE

DEPTH OF JOB	<u>338'</u>		
PUMP TRUCK CHARGE			<u>917⁰⁰</u>
EXTRA FOOTAGE	<u>38'</u>	@ <u>180⁴</u>	<u>30⁴⁰</u>
MILEAGE	<u>75 miles</u>	@ <u>7⁰⁰</u>	<u>525⁰⁰</u>
MANIFOLD	<u>Headrental</u>	@	<u>113⁰⁰</u>

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CHARGE TO: Hartman Oil Co, Inc

STREET _____

CITY _____ STATE _____ ZIP _____

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TOTAL 1585⁴⁰

CONSERVATION DIVISION
WICHITA

<u>8 5/8</u>			
<u>1 - Surface Plug</u>	@		<u>68⁰⁰</u>
	@		
	@		
	@		

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment

ALLIED CEMENTING CO., INC.

31955

BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

OAKLEY

7-08	SEC. 22	TWP. 21S	RANGE 34W	CALLED OUT	ON LOCATION 5:30 PM	JOB START 2:30 AM	JOB FINISH 3:30 AM
HARTMAN	WELL # 3	LOCATION GANO + 8.3 HWY 8W - 1/4 N-W 1/4		COUNTY FINNEY	STATE KS		

OLD OR NEW (Circle one)

CONTRACTOR H 2 DRLG. RIC 2

TYPE OF JOB Production string

HOLE SIZE 7 7/8" T.D. 4800'

CASING SIZE 5 1/2" DEPTH 2948'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 41.61'

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 69 1/4 BBS

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

422 HELPER WAYNE

BULK TRUCK

373 DRIVER DARRIN

BULK TRUCK

377 DRIVER LARENSE

REMARKS:

MIX 10 SKS MOUSE HOLE. MIX 15 SKS RAT HOLE. MIX 325 SKS LITE 1/2" FLO-SEAL 125 SKS ASC 5" GILSONITE 2% GEL. WASH TRUCK + LINES. DISPLACE 69 1/4 BBS WATER Landed plug AT 1800 PSI. Latch down held.

CEMENT DID CIRCULATE

THANK YOU

CHARGE TO: HARTMAN OIL CO, INC.

STREET _____

CITY _____ STATE _____ ZIP _____

OWNER SAME

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CEMENT

AMOUNT ORDERED 125 SKS ASC 5" GILSONITE

2% GEL

350 SKS LITE 1/2" FLO-SEAL

COMMON	@		
POZMIX	@		
GEL <u>2 SKS</u>	@	<u>18.75</u>	<u>37.50</u>
CHLORIDE	@		
ASC <u>125 SKS</u>	@	<u>16.75</u>	<u>2093.75</u>
<u>LITE 350 SKS</u>	@	<u>12.65</u>	<u>4427.50</u>
<u>GILSONITE 625</u>	@	<u>9.80</u>	<u>500.00</u>
<u>FLO-SEAL 175</u>	@	<u>2.25</u>	<u>393.75</u>
HANDLING <u>528 SKS</u>	@	<u>2.15</u>	<u>1135.20</u>
MILEAGE <u>94 PER SR TRIP</u>			<u>3564</u>
TOTAL			<u>12151.70</u>

SERVICE

DEPTH OF JOB 2948'

PUMP TRUCK CHARGE 1812

EXTRA FOOTAGE @ _____

MILEAGE 75 MI @ 7.00 525

MANIFOLD @ _____

HEAD RENTAL @ _____ 713

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TOTAL 2450

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5 1/2" PULVERIZER & FLOAT EQUIPMENT

1- TREPLEX SHOE 1744

1- Latch down plug ASD 462

6- CENTRALIZERS @ 57.00 342

MORNING REPORT

Wesley D. Hansen
Petroleum Geologist - Kansas License No. 418
212 N. Market, Suite 257
Wichita, KS 67202
Office: 316.263.7313 Cellular: 316.772.6188

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ATTN: Chris Peters
Wink Hartman

Operator: Hartman Oil Co., Inc.
Lease/Well #: Lockman #3
Located: NE SE SE of 22-21-34W
API No.: 15-055-21952

Date: 1-16-2008
7:00 AM Depth: 4631' finished DST No. 2 – prepare to drill ahead

Latest Mud Check: Date: 1-15 **Time:** 6:00 am **Depth:** 4480'

wt: 9.3 **vis:** 46 **wl:** 8.0 **pH:** 10.0 **chl:** 4100 **lcm:** 6# **solids:** 6.8%
PV: 13 **YP:** 16 **GeIS:** 12/37

Formation Tops Last 24 Hours:

Formation	Depth	Datum	Comparison
2960' KB			
Morrow Shale	4594'	-1634	Davis #2 -22'
Morrow Sand	4620'	-1660	nc
Mississippian	4625'	-1665	-9'

Comments: A drilling break from 4620'-4625' contained a very soft vf-fg sandstone with oil saturation and shows of gas. Pason had a gas kick of 239 units (increase of approx. 190 units). The gas remained elevated into the top of the Mississippian. The Mississippian rocks were a tan, fine oolitic limestone with staining on grain contacts and shows of oil and gas. Although both zones were thought to be tight, a DST was called for to evaluate the shows prior to log.

DST No. 2 Interval: 4586'-4631' Times: 30-30-30-30
IFP: weak surface blow, died in 10 minutes FFP: no blow
Recovery: 3' mud FP: 22-27/34-34 SIP: 311-87
HP: 2356-2252 BHT: 113 deg. F

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WICHITA, KS

MORNING REPORT

Wesley D. Hansen
Petroleum Geologist - Kansas License No. 418
212 N. Market, Suite 257
Wichita, KS 67202
Office: 316.263.7313 Cellular: 316.772.6188

ATTN: Chris Peters
Wink Hartman

Operator: Hartman Oil Co., Inc.
Lease/Well #: Lockman #3
Located: NE SE SE of 22-21-34W
API No.: 15-055-21952

Date: 1-15-2008
7:00 AM Depth: 4491' drilling ahead

Latest Mud Check: Date: 1-14 **Time:** 6:20 am **Depth:** 4330'

wt: 9.0 **vis:** 50 **wl:** 8.8 **pH:** 9.0 **chl:** 3600 **lcm:** 5# **solids:** 4.8%
PV: 14 **YP:** 19 **Gels:** 14/43

Formation Tops Last 24 Hours:

Formation	Depth	Datum	Comparison
2960' KB			
Pawnee	4362'	-1402	Davis #2 -22'
Fort Scott	4389'	-1429	-22'
Cherokee Shale	4404'	-1444	-22'

Comments: DST No. 1 Marmaton "B"

Interval: 4292'-4330' Times: 30-45-45-60

Recovery: 15' oil; 729' SW with skim of oil FP: 51-215/222-353

SIP: 791-786 HP: 2085-2054 BHT: 115 deg. F

The Pawnee and Fort Scott do carry fair shows in oolitic and fossilif. limestones, but porosity does not appear to be very effective.

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Office: 316.263.7313 Cellular: 316.772.6188

**ATTN: Chris Peters
Wink Hartman**

Operator: Hartman Oil Co., Inc.
Lease/Well #: Lockman #3
Located: NE SE SE of 22-21-34W
API No.: 15-055-21952

Date: 1-14-2008
7:00 AM Depth: 4330' Tripping for DST No. 1

Latest Mud Check: Date: 1-13 Time: 5:15 am Depth: 3902'

wt: 8.9 **vis:** 50 **wl:** 8.0 **pH:** 9.0 **chl:** 4000 **lcm:** 4# **solids:** 3.9%
PV: 14 **YP:** 18 **GelS:** 13/41

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Formation Tops Last 24 Hours:

Formation	Depth	Datum	Comparison
2960' KB			
Marmaton	4274'	-1314	Davis #2 -14'
Marmaton "B" por.	4293'	-1333	-17'

Comments: CFS at 4303'. 5' drilling break in Marmaton "B". Gas detector increased from 26 units to 175 units on Pason. The kick recycled with a peak of 81 units. The zone was oolitic and fossilif. with fair light odor, It brn staining, even fluor., exc. cut, with shows of gas and It brn free oil. The porosity was oomoldic, fossil moldic and vugular in nature. I elected to drill ahead to 4330' to see if the "C" porosity might be present. There was no additional drilling break or gas kick. There was a trace of staining in an offwhite subchalky limestone. DST No. 1 was ordered from Trilobite. The interval will be 4292' to 4330'.

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