

2/5/10

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

WELL COMPLETION FORM

ORIGINAL

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 30535
 Name: Hartman Oil Co., Inc.
 Address: 12950 E 13th St. N.
 City/State/Zip: Wichita, Ks. 67230-1457
 Purchaser: NCRA
 Operator Contact Person: Stan Mitchell
 Phone: (620) 277-2511
 Contractor: Name: H2 Drilling
 License: 33793
 Wellsite Geologist: Jim Musgrove
 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. _____

<u>11/13/07</u>	<u>11/20/07</u>	<u>12/26/07</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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WICHITA, KS

API No. 15 - 135-24718-0000
 County: Ness
 _____ SW _____ NW _____ Sec. 25 Twp. 16 S. R. 26 East West
960' feet from S / (N) (circle one) Line of Section
230' feet from E / (W) (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: M P Stutz Well #: 1-25
 Field Name: Utica East - (Wildcat)
 Producing Formation: Mississippi
 Elevation: Ground: 2603' Kelly Bushing: 2614'
 Total Depth: 4630' Plug Back Total Depth: 4617'
 Amount of Surface Pipe Set and Cemented at 355' w/200 sks Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set 2667' Feet
 If Alternate II completion, cement circulated from DV - Tool @ 2667'
 feet depth to Surface w/ 500 sks sx cmt.
 Drilling Fluid Management Plan APPLINT 3-2010
 (Data must be collected from the Reserve Pit)
 Chloride content 2400 ppm Fluid volume 6000 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: Stan Mitchell
 Title: Vice President Field Operations Date: 1/24/08
 Subscribed and sworn to before me this 5th day of February,
2008.
 Notary Public: Linda Chanel Neises
 Date Commission Expires: 08/27/2010

KCC Office Use ONLY

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

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

Operator Name: Hartman Oil Co., Inc. Lease Name: M P Stutz Well #: 1-25 **FEB 05 2008**
 Sec. 25 Twp. 16 S. R. 26 East West County: Ness

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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 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 Induction Log - Dual Compensated Porosity
 Sonic Cement Bond Log - Microresisitvity Log

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Anhy	1994'	+620'
Heebner	3880'	-1266'
Lansing	3921'	-1307'
BKC	4226'	-1612'
Pawnee	4360'	-1746'
Ft Scott	4425'	-1811'
Mississippi	4512'	-1898'
Mississippi Dolo	4530'	-1916'

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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'	common	200	3 % CC - 2 % gel
Production	7-7/8"	5-1/2"	15.5#	4629'	ASC & Lite	800	1/4# Flo Seal & 5# Koc Seal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	4510' - 4530'	Common	300 sks	Class A Common

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	4528-38'	Acidized w/500 Gal 15% NE/FE	4539"

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	4580'	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
			<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
	3		8		

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 _____

HARTMAN OIL CO., INC.

DATE
1/18/2008

HARTMAN OIL CO., INC.

LEASE M P Stutz

WELL NO. #1-25

FIELD NAME Wildcat

LOCATION SW-NW-NW
SEC. 25-16S-26W
NESS CO., KS.

8-5/8" @ 355'
W/ 200 SX CEMENT
REGULAR CLASS A
W/ 2 % C. C.

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X 2667' - DV TOOL W/ 375 sks Lite + 125 sks ASC

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NEW

2-1/2"x1-1/2"x12' RWTC

= 4528-38' Miss

4580' SN 2-7/8" Tbg

4618'

5-1/2" - 15.5# @ 4629' - W/ 125 SX Lite + 175 ASC

PBTD
CSG TD

XXXXXXX
XXXXXXX

STAN MITCHELL

M P Stutz #1-25

M P Stutz #1-25
25-16S-26W
Ness, KS

12-6-07

MIRU- Plains Well Service – RIH w/ 4 7/8” bit & 5 1/2” CSG SCP tag DV-Tool
2667’ – Hook up Mud Pump @ Swivel drill out DV-Tool – PSI test to 300# - RIH w/ Bit
& SCP- Tag bottom @ 4618’ –Circulated clean & POOH

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12-7-07

Log Tech ran CBL (Poor ASC CMT) called Allied Cement & perforated MISS @ 4330-
40’ (10’) 2/SPF – RIH w/CSG swab – FL @ 490’ FS – Swab down to 1900’ Shut In

12-10-07

RIH w/CSG Swab – FL @ 1750’ FS – swab down to 4500’ – spot acid across perfs -
acidized w/ 500 gal 15% MA acid – Broke down @ 500# - treated @ max 500# @ 1
BPM – shut-in

12-11-07

RIH w/ swab – FL @ 1100’ FS – swab down to 4600’ – let set 1/Hr – FL @ 4350’ –
shut-in

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12-12-07

RIH w/swab FL @ 2850’ FS – swab down to 4500’ – swab dry – re-acidized w/ 500 Gal
15% ne/fe acid - @ Max 500# @ 1 BPM – shut in 2/Hrs – RIH w/ swab FL @ 1350’ FS
– swab down to 2850’ FS – shut-in

12-13-07

RIH w/swab – FL @ 1600’ FS – unable to swab below 2350’ FS - RIH w/ CMT Retainer
Set @ 4510’

12-17-07

RIH w/ CMT Retainer Stinger – Latch into CMT Retainer – Load CSG Annulus & PSI to
500# - Took injection rate down TBG @ 3 ½ BPM @ 1000# - Allied mix 300 sks Class
A common – squeezed to 1700# - Displaced to 4450’ @ 2000# - Pulled out of CMT
Retainer – Reversed out TBG- Cleaned up – POOH w/TBG – Load CSG & shut in

12-18-07

RIH w/new 4 7/8” bit & 5 ½” CSG SCP – Tag CMT Retainer & drilled out to 4617’ –
Swab well down to 2600’ FS – shut-in

12-19-07

POOH w/ bit – Log Tech Ran CBL - Re-perforated MISS @ 4428-38’ – 2 SPF - RIH
w/Swab FL @ 470’ – swab down to 4560’ - recovered 97 bbl fluid

12-20-07

RIH w/Swab FL @ 4350' FS (250' Fluid in hole) 1st Pull all oil – RIH w/ MA SN 3 jts TBG. Anchor Catcher, plus 143 jts TBG (total 146 2-7/8") set Anchor Catcher @ 20,000# over tbg wt. – Dump 500 Gal 15% ne/fe acid down csg annulus – flush w. 80 bbl 2 % KCL water - shut-in

12-21-07

RIH w/ 2 1/2" X 1 1/2" X 12' RWTC Pump w/1 1/4" X 6' Gas Anchor w/ 182 new 3/4" Grade Rods – Load TBG from Swab Tank – PSI TBG to 300#

12-16-07

RDMF – Had to get a dozer to move off

1-18-08 – Start up pumping unit

1-23-08 - bbl test @ 3 BOPD & 8 BWPH

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CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC.

25486

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

SERVICE POINT:

Great Bend

DATE <u>11.14.07</u>	SEC. <u>25</u>	TWP. <u>16</u>	RANGE <u>26</u>	CALLED OUT <u>12:00AM</u>	ON LOCATION <u>1:00AM</u>	JOB START <u>3:30am</u>	JOB FINISH <u>4:30am</u>
LEASE <u>MP Stutz</u>	WELL # <u>25</u>	LOCATION <u>Utica 1/2 east south into</u>			COUNTY <u>Flora</u>	STATE <u>Ka</u>	
OLD OR NEW (Circle one)							

CONTRACTOR H-2 Drilling
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 348'
 CASING SIZE 8 3/8 DEPTH 356'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 21.7 BBLs H²⁰

EQUIPMENT

MB
 PUMP TRUCK CEMENTER J.P. Drilling
 #181 HELPER Steve Turley
 BULK TRUCK
 #260 DRIVER Randy Pray
 BULK TRUCK
 # DRIVER _____

REMARKS:

Ran 8 3/8 casing to Bottom circulate. Hope with rig mud. Hook up to pump take & mixed 200 ex common 3% cc 2% Gel. Shut down & change valves over & release 8 3/8 TWP. Displace with 21.7 BBLs fresh H²⁰. Cement did circulate. Shut in manifold.

OWNER Hartman

CEMENT
 AMOUNT ORDERED 200 ex Common
3% cc 2% Gel

COMMON	<u>2000el</u>	@	<u>11.10</u>	<u>2220.00</u>
POZMIX		@		
GEL	<u>4 qt.</u>	@	<u>16.65</u>	<u>66.60</u>
CHLORIDE	<u>6 qt.</u>	@	<u>46.60</u>	<u>279.60</u>
ASC		@		

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HANDLING	<u>210 qt.</u>	@	<u>1.90</u>	<u>399.00</u>
MILEAGE	<u>210 qt. 09</u>	@	<u>26</u>	<u>491.40</u>
TOTAL				<u>3456.60</u>

SERVICE

DEPTH OF JOB	<u>356'</u>			
PUMP TRUCK CHARGE				<u>85.00</u>
EXTRA FOOTAGE	<u>56'</u>	@	<u>.65</u>	<u>36.40</u>
MILEAGE	<u>26</u>	@	<u>6.00</u>	<u>156.00</u>
MANIFOLD		@		
HEAD RENTAL		@	<u>100.00</u>	<u>100.00</u>

TOTAL 1107.40

PLUG & FLOAT EQUIPMENT

<u>1.8 3/8 TWP</u>	@	<u>60.00</u>	<u>60.00</u>
	@		
	@		

CHARGE TO: Hartman Oil Co. Inc.
 STREET 12950 13th St. N
 CITY Wichita STATE Kansas ZIP 67203

ALLIED CEMENTING CO. INC.

30988

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

SERVICE POINT: Great Bend
Nebraska

DATE <u>11-21-07</u>	SEC <u>25</u>	TWP <u>16</u>	RANGE <u>26</u>	CALLED OUT	ON LOCATION	JOB START <u>3 PM</u>	JOB FINISH <u>4 PM</u>
LEASE <u>STUTS</u>	WELL # <u>1-25</u>	LOCATION <u>UTICA #E 49 C/S</u>			COUNTY <u>Ne SS</u>	STATE <u>K.S.</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR H-2 Rig 2

TYPE OF JOB 5 1/2 Two Stage TOP

HOLE SIZE 7 7/8 T.D. 4630 ft

CASING SIZE 5 1/2 DEPTH 2667 ft

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL 5 Stage Roller DEPTH 2667 ft

PRES. MAX 1700 MINIMUM 800

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 63 bbl

OWNER

CEMENT AMOUNT ORDERED

375 # 8 7/8 gal 1/2" Flo Seal 97/11

125 # 5" gal seal 97/15

EQUIPMENT

PUMP TRUCK CEMENTER Mike M

181 HELPER Wayne

BULK TRUCK

357 DRIVER Dwayne

BULK TRUCK

344 DRIVER Carl

COMMON	<u>225 #</u>	@ <u>11.10</u>	<u>2497.50</u>
POZMIX	<u>150 #</u>	@ <u>6.20</u>	<u>930.00</u>
GEL	<u>20 #</u>	@ <u>16.65</u>	<u>466.20</u>
CHLORIDE		@	
ASC	<u>125 #</u>	@ <u>13.75</u>	<u>1718.75</u>
FLO SEAL	<u>94 #</u>	@ <u>2.00</u>	<u>188.00</u>
ROL SEAL	<u>625 #</u>	@ <u>.70</u>	<u>437.50</u>
SALT	<u>8.04</u>	@ <u>19.20</u>	<u>153.60</u>
		@	
		@	
		@	
		@	
HANDLING	<u>55 #</u>	@ <u>1.90</u>	<u>1,062.10</u>
MILEAGE	<u>55 #</u>	@ <u>26</u>	<u>1308.06</u>

REMARKS:

Open The Tool at 800#

Circulate The Hole for Two Hr

Mix Cement Plug Rot + mouse Hole

Pump cement Down The pipe circulate

Cement to surface circulate 70 ft out

In 918 cement circulate around

Plug Down 1700# float head

CHARGE TO: Hartman oil Co.

STREET _____

CITY _____ STATE _____ ZIP _____

Thank you

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Harry Fisher

TOTAL 8761.76

SERVICE

DEPTH OF JOB 2667 ft

PUMP TRUCK CHARGE 950.00

EXTRA FOOTAGE @

MILEAGE 26 @ 6.00 NC

MANIFOLD @

Pres chart @ NC

5 1/2 Hood Rental @ NC

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PLUG & FLOAT EQUIPMENT

CONSERVATION DIVISION
WICHITA, KS

@ _____

@ _____

@ _____

@ _____

@ _____

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Gary Fisher

PRINTED NAME

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ALLIED CEMENTING CO., INC.

30541

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

SERVICE POINT: Acree Bend Ks

DATE <u>12-17-07</u>	SEC. <u>25</u>	TWP. <u>16</u>	RANGE <u>26</u>	CALLED OUT <u>6:00AM</u>	ON LOCATION <u>9:00AM</u>	JOB START <u>10:30AM</u>	JOB FINISH <u>11:30AM</u>
LEASE <u>M.P. State</u>	WELL # <u>1-25</u>		LOCATION <u>Utica 2 E, 24 S, E/into</u>		COUNTY <u>New</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Plain Well Service

TYPE OF JOB Retainer Squeeze

HOLE SIZE _____ T.D. _____

CASING SIZE 5 1/2" DEPTH _____

TUBING SIZE 2 1/2" DEPTH 4510'

DRILL PIPE _____ DEPTH _____

TOOL Retainer DEPTH 4510'

PRES. MAX 2000# MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. 4520'

DISPLACEMENT _____

OWNER Same

CEMENT AMOUNT ORDERED 3000# Common

EQUIPMENT

PUMP TRUCK CEMENTER Tom D

131 HELPER Jayson D

BULK TRUCK

344 DRIVER Joe D

BULK TRUCK

_____ DRIVER _____

COMMON	<u>3000#</u>	@ <u>11.10</u>	<u>3330.00</u>
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>300</u>	@ <u>1.90</u>	<u>570.00</u>
MILEAGE	<u>300x 26x.09</u>		<u>702.00</u>
TOTAL			<u>4602.00</u>

REMARKS:

Retainer set @ 4510'. Stung into Retainer. Pressured Annulus to 500#. Wash Injection Rate at 3 1/2 bbls/min @ 600#. Drilling from Retainer. Mixed 115# Common (24 bbls Slurry) Stung into Retainer & Mixed 185# Common. Displaced 22 1/4 bbls & Squeezed to 2000#. Released & Held. Waiting from Retainer & Washed tubing clean.

CHARGE TO: Hortman

STREET _____

CITY _____ STATE _____ ZIP _____

[Signature]

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Paul Payne C.F.

SERVICE

DEPTH OF JOB 4510

PUMP TRUCK CHARGE _____ 1250.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 26 @ 6.00 156.00

MANIFOLD 1 @ 85.00 85.00

_____ @ _____

_____ @ _____

TOTAL 1991.00

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME PAUL PAYNE

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