

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

9/25/11

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
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 #3
License: 33793
Wellsite Geologist: Wes Hansen

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. _____

7/28/09 8/06/09 8/28/09
Spud Date or 8/06/09 8/28/09
Recompletion Date Date Reached TD Completion Date or
Recompletion Date

API No. 15 - 055-22045-00-00
County: Finney
E/2 _NW_ _SE_ Sec. 16 Twp. 22 S. R. 33 East West
1980' _____ feet from S / N (circle one) Line of Section
1650' _____ feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Ward Well #: 7

Field Name: Damme
Producing Formation: Miss - Marmanton
Elevation: Ground: 2888' Kelly Bushing: 2896'
Total Depth: 4788' Plug Back Total Depth: 4760'
Amount of Surface Pipe Set and Cemented at 331' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2530' Feet
If Alternate II completion, cement circulated from 2530'
feet depth to surface w/ 350 _____ sx cmt.

Drilling Fluid Management Plan **ATTN 3 10 2709**
(Data must be collected from the Reserve Pit)
Chloride content 4000 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: 9/21/09
Subscribed and sworn to before me this 25th day of September,
20 09.
Notary Public: Mary L. Riffel
Date Commission Expires: January 13, 2010

KCC Office Use ONLY
 Letter of Confidentiality Received
 If Denied, Yes Date: _____ RECEIVED
 Wireline Log Received KANSAS CORPORATION COMMISSION
 Geologist Report Received SEP 28 2009
 UIC Distribution

OFFICIAL SEAL
MARY L. RIFFEL
MY COMMISSION EXPIRES
1-13-2010

CONSERVATION DIVISION
WICHITA, KS

KCC

Operator Name: Hartman Oil Co., Inc Lease Name: Ward Well #: 7
 Sec. 16 Twp. 22 S. R. 33 East West County: Finney **SEP 25 2009**

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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 Spaced Neutron Porosity Log - Microlog - Array
 Compensated Resistivity Log - Gamma Ray Cement
 Bond Log

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Heebner Shale	3774'	-878'
Lansing	3818'	-922'
Marmanton	4308'	-1412'
Cherokee Shale	4428'	-1532'
Morrow Shale	4616'	-1720'
Miss St. Gene	4642'	-1746'
St Louis "B"	4676'	-1780'
LTD	4786'	-1890'

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#	331'	60/40 Poz	225	w/ 3% CC & 2% Gel
Production	7-7/8"	5-1/2"	15.5#	4788'	AMP & ASC	200	10% SALT 5# GIL - 1# FLO SEAL
DV-TOOL				2530'	AMP & COM	350	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
3/SPF	Miss - 4676-82"	500 Gal 15% MA Acid	4676-82'
3/SPF	Miss - 4704-10'	500 Gal 15% MA Acid	4704-10'
3/SPF	Marmanton - 4342-52'	500 Gal 15% MA Acid	4342-52'

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	4643'	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 9/18/09			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
	26	0	245		

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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SEP 28 2009

CONSERVATION DIVISION WICHITA, KS

Ward #7 Completion

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Ward #7
16-22S-33W
Finney, KS

8-18-09

MIRU – H2 Plains – RIH w/ 4 7/8" Bit on 2 7/8" TBG – Tag @ 2540' – Hook up mud pump & power swivel – Broke circulation – Drilled out DV Tool – PSI to 400# (ok) – RIH to bottom – Circulated to TD – Clean – Shut In

8-21-09

POOH w/bit – Halliburton ran CBL from TD to 2200' – Good CMT bond – Perforated 4676-82' (6') 3/SPF – RIH w/CSG Swab – FL @ 500' FS – Swab dry – Shut In

8-24-09

CSG PSI (blow) – RIH w/ CSG swab – FL @ 2550' FS (1st pull -270' @ 24% oil) – 3% oil of 2126' static fill – RIH w/ 2 7/8" TBG & PKR set PKR @ 4650' – RIH w/TBG swab – FL @ 2550' FS – Swab down to SN @ 4650' (show of oil) – Acidized w/500 Gal 15% MA @ max 1000# @ 5.25 BPM - 50 Bbl Total Load – ISIP @ 400# - Vac in 5 min shut in 30 min – RIH w/Swab – FL @ 1000' FS – Swab down to SN 22 Bbl – (Show of oil) – Shut In

8-25-09

TBG PSI – (blow) – RIH w/Swab FL @ 1850' FS – 1st pull (show of oil) @ 8% - 3% oil of 2826' – Static fill – Swab down to SN (show of oil) – 10 Bbl short of load – Release PKR & POOH – Halliburton perforated 4704-10' (6') 3/SPF – RIH w/TBG & PKR – Set @ 4690' – RIH w/Swab FL @ 3150' FS -1st pull 1000' (show of oil) – Perfs 4704-10' + 4676-84' are communicated – Swab both zones down to 4450' FS – Treat both perfs together – Spot 7 Bbl 15% mud acid across perfs – Set PKR @ 4650' – Treat w/1000 Gal 15% @ max 1610# @ 8.1 BPM w/26 1.3 S.G. Ball Sealers – ISIP @ 400# vac in 2.5 min – Total load 68 Bbl – RIH w/Swab FL @ 350 FS – Swab back 35 Bbl – FL @ 4100' FS – Shut In

8-26-09

TBG @ 10# - RIH w/Swab FL @ 1st pull (show of oil) – Swab back 35 Bbl (Load recovered) FL @ 4250' FS (3% oil) – Released PKR – Ran back through perfs & POOH – Halliburton perforated Marmanton @ 4342-52' (10') – 3/SPF – RIH w/RBP & PKR – Isolate perfs – Spot acid across perfs – Set PRK @ 4330' – Treat @ max 910# @ 6.25 BPM – ISIP @ vacuum – Shut in 30 min – Total load 58 Bbl – RIH w/Swab FL @ 350' FS – Swab 21 Bbl (Good show of oil) – Shut In

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WICHITA, KS

8-27-09

TBG PSI @ 25# - RIH w/Swab FL @ 3300' FS - 1st pull 1000' (all oil) - Release tools & POOH - RIH w/MA, SN @ 4643', 3 Jts 2 7/8" TBG, Anchor Catcher + 140 Jts 2 7/8" TBG - 143 Total - RIH w/Swab - swab back 71 Bbl water (show of oil) - Shut In

8-28-09

RIH w/2 1/2" X 2" X 14' RWTC on 111 3/4" Grad "D" + 73 7/8" Grad "D" rods - Load TBG & PSI TBG to 300# - RDMF

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SEP 2 8 2009
CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO. LLC. 043654

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

SERVICE POINT:

Oakley

DATE <u>8-6-09</u>	SEC <u>16</u>	TWP <u>22</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>10:00 AM</u>	JOB START ^{TOP} <u>11:00 AM</u>	JOB FINISH ^{TOP} <u>3:30 PM</u>
LEASE <u>Ward</u>	WELL # <u>7</u>	LOCATION <u>83 + Barlow rd</u>		<u>3 W Kan</u>		COUNTY <u>Linney</u>	STATE <u>Ks</u>
OLD OR <u>NEW</u> (Circle one)				<u>W into</u>			

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SEP 25 2009

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CONTRACTOR H-2 Drilling Rig 2 OWNER same

TYPE OF JOB Production Two stage

HOLE SIZE 2 7/8 T.D. 4789'

CASING SIZE 5 1/2 DEPTH 4785.76'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DV DEPTH 2650

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 22.85'

CEMENT LEFT IN CSG. 22.85'

PERFS.

DISPLACEMENT

CEMENT Bottom

AMOUNT ORDERED 100 sks AMD 1/4 Flo seal 100 sks

100% 300 sks AMD 1/4 Flo seal 50 sks com

500 gal WFR-2

COMMON 50 sks @ 15.45 772.50

POZMIX @

GEL @

CHLORIDE 100 @ 27.90 2790.00

ASC 100 sks @ 18.60 1860.00

AMD 400 sks @ 23.55 9420.00

Gilsonite 750 # @ .89 667.50

Flo-seal 100 # @ 2.50 250.00

WFR-2 500 gal @ 1.27 635.00

HANDLING 690 sks @ 2.40 1656.00

MILEAGE 10# sk/mile 2415.00

EQUIPMENT

PUMP TRUCK CEMENTER Andrew

431 HELPER Kelly

BULK TRUCK

373 DRIVER Wayne

BULK TRUCK

377 DRIVER Darrin

399 Larene

REMARKS:

Run 500 gal WFR-2 mix 100 sks AMD
1/4 flo seal 100 asc wash pump lines clean
Displace plug 700 # lift Land Plug 1400
Open DV tool 1100 # Plug Rat hole
30 sks mix 200 sks AMD 50 sks
com wash pump and line clean
Displace plug 600 # lift 1400 # land
Plug tool closed cement circulate
Thank you

SERVICE

DEPTH OF JOB 4785.76

PUMP TRUCK CHARGE 2185.00

EXTRA FOOTAGE @

MILEAGE 35 miles @ 7.00 245.00

MANIFOLD @

TOTAL 18606.00

TOTAL 24300

CHARGE TO: Hartman Oil

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

Larson 5 1/2

1 AFU float shoe @ 214.00

2 Baskets @ 161.00 322.00

10 Turbolizers @ 42.00 420.00

1 DV TOOL @ 2832.00

TOTAL 3788.00

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.

PRINTED NAME: James Shultz

SIGNATURE [Signature]

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

Bid

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 28 2009

CONSERVATION DIVISION
WICHITA, KS