

KANSAS CORPORATION COMMISSION RIGINAL OIL & GAS CONSERVATION DIVISION

September 1999 Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 30535	API No. 15 - 055-22004-00-00
Name: Hartman Oil Co.,Inc	County: Finney
Address: 10500 E Berkeley Square Parkway - Suite 100	NW NW SESec16Twp22SR33 East
City/State/Zip: Wichita, Ks. 672206	2309' feet from (S) N (circle one) Line of Section
Purchaser: NCRA	feet from (E) / W (circle one) Line of Section
Operator Contact Person: Stan Mitchell	Footages Calculated from Nearest Outside Section Corner:
Phone: (620) 277-2511	(circle one) NE (SE) NW SW
Contractor: Name: H2 Drilling Rig #2	Lease Name: Ward Well #: 6
License: 33793	Field Name: Damme
Wellsite Geologist: Wes Hansen	Producing Formation: Miss - Pawnee - L/KC "I" - L/KC "H"
Designate Type of Completion:	Elevation: Ground: 2891' Kelly Bushing: 2880'
✓ New Well Re-Entry Workover	Total Depth: 4773' Plug Back Total Depth: 4726'
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 355' Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth set 1563' Feet
f Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1563'
Operator:	feet depth to surface w/ 400 sx cmt.
Well Name:	
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan 411 11 3 3 3 7 7 7
Deepening Re-perf Conv. to Enhr./SWD	- (Data must be collected from the Reserve Prt)
Plug Back Plug Back Total Depth	Chloride content 3600 ppm Fluid volume 8000 bbls
- · · · · · · · · · · · · · · · · · · ·	Dewatering method used Evaporation
Commingled Docket No.	Location of fluid disposal if hauled offsite:
Dual Completion Docket No	Operator Name:
Other (SWD or Enhr.?) Docket No.	License No.:
10-21-08 10-29-08 11-15-08	Quarter Sec. Twp. S. R. East West
Spud Date or Date Reached TD Completion Date or Recompletion Date Date Reached TD Recompletion Date	County: Docket No.:
	Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, work Information of side two of this form will be held confidential for a period of 107 for confidentiality in excess of 12 months). One copy of all wireline to TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged we	with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, kover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. of 12 months if requested in writing and submitted with the form (see rule 82-3-25 and geologist well report shall be attached with this form. ALL CEMENTING ells. Submit CP-111 form with all temporarily abandoned wells.
Signature: AT. Wilchub	KCC Office Use ONLY
Title: Vice President Field Operations Date:	Letter of Confidentiality Received
Subscribed and sworn to before me this 8th day of becomber	If Denied, Yes Date:
20 28	Wireline Log Received
Notary Public: Sinda Chanel Desses	Geologist Report Receive RANSAS CORPORATION COMMIS
Date Commission Expires:	DEC 0 9 2008
Notary Public State of Kansas Linda Chanel Neises	CONSERVATION DIVISION

My Appt Exp 08/87/2010

Operator Name: Ha	rtman Oil Co.,Inc		, <u></u>	Lease	Name:	Ward		_ Well #: _6		
	22 S. R. 33		t ✓ West		: Finne					
tested, time tool ope temperature, fluid re	show important tops and closed, flowin covery, and flow rate is surveyed. Attach	g and shut s if gas to	-in pressures, surface test, a	whether sh long with fi	ut-in pr	essure reached	static level, hydro	static pressu	res, botto	om hole
Orill Stem Tests Take		✓ Ye	es 🗌 No		Δr	.og Formatio	on (Top), Depth a	and Datum		Sample
Samples Sent to Ge	·	√ Ye	es 🗆 No		Nam	_{le} bner Shale		Top 3769'		Datum -878'
Cores Taken	\	. □ Y	_		Lans			3815'		-924'
Electric Log Run		V				nanton		4317'		-1426'
(Submit Copy)						okee Shale		4437'		-1546'
ist All E. Logs Run:					Miss	issippian		4622'		-1731'
Dual Comper	nsated Porosit	/ Loa -	Microresis	stivitv	Morr	ow Sand		4674'		-1783
•	duction Log - S				St Lo	ouis "B"		4676'		-1785'
_	_				LTD			4773'		-1882'
		Repo	CASING of all strings set-c		✓ Ne	ew Used ermediate, product	ion, etc.			
Purpose of String	Size Hole Drilled		e Casing (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used		and Percent
Surface	12-3/4'	8-5/8"	(III O.D.)	23#	<u> </u>	355'	Class A	250	Additives 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	
		L	ADDITIONAL	CEMENTIN	IG / SQL	JEEZE RECORD		<u> </u>		
Purpose: Perforate Protect Casing	Depth Top Bottom	Туре	of Cement	#Sacks	Used		Type and P	ercent Additive	s	
Plug Back TD Plug Off Zone			Vald							
Shots Per Foot			D - Bridge Plug ach Interval Perf				ture, Shot, Cement		ord	Depth
/SPF	Miss - 4674-4684'					500 Gal 15% N	MA Acid			4674-84'
/SPF	Pawnee - 4396-440	00'				500 Gal 15% N	MA Acid			4396-4400'
/SPF	L/KC "I" - 4066-70'					500 Gal 15% MA Acid			4066-70'	
/SPF	L/KC "H" - 4033-37'					500 Gal 15% MA Acid			4033-47'	
TUBING RECORD 2-7	Size 7/8"	Set At 4415'	n	Packer At /a		Liner Run	Yes 🗸 No			
Date of First, Resumero	d Production, SWD or E	nhr.	Producing Meth	_	Flowing	g ✓ Pumpin	g Gas Lift	CO	weld.	ENTIAL 802008
Estimated Production Per 24 Hours	0il 56	Bbls.	Gas 1	Mcf	Wate 179	er Bb	is. G	as-Oil Ratio	DEC 0	86211138
Disposition of Gas	METHOD OF C	OMPLETIO	N	<u> </u>		Production Interv	al		K	CC
Vented Sold	✓ Used on Lease		Open Hole	Perf.		Oually Comp.	✓ Commingled	KANS	RE SAS CORP	ECEIVEL PORATION COMM
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CONSERVATION DIVISION WICHITA, KS

ALLI-U CEWENING CO LLC. 043951

(#√30+ <i>05</i>)ATE	SEC.	TWP.	RANGE	ŀ	CALLED OUT		JOB START	
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ALLIFU CEMENTING CO LLC. 043950

REMIT TO PO BOX 31 SERVICE POINT: Dale Some at Level and the second 10 -30 - 08 SEC. TWP. RANGE ろろ CALLED OUT ON LOCATION JOB START JOB FINISH DATE 22 5130pm 61300m ward STATE WELL# LEASE LOCATION OLD OK NEW (Circle one) 1/200 of one body with CONTRACTOR OWNER TYPE OF JOB (Bottom) **HOLE SIZE** 4769 T.D. CEMENT **CASING SIZE** 4766 15.5 DEPTH AMOUNT ORDERED -TUBING SIZE **DEPTH DRILL PIPE** DEPTH TOOL DUTTOO → つSDEPTH PRESUMAX. MINIMUM COMMON MEAS. LINE SHOE JOINT **POZMIX** CEMENT LEFT IN CSG. GEL PERFS.92 to 9502 and to CHLORIDE @ DISPLACEMENT BSLS ASC 501RP @ **EQUIPMENT** ≤<u>≠≤</u> @' - @ ⁽⁾ RUMPTRUCK CEMENTER 585 @7 431 HELPER ヒィル 6 BULK:TRUCK G= (302,4 @ # 394 DRIVER **BULK TRUCK** # 3 4 TO HE DRIVER HANDLING___ 648 @ 7 10X5EX AN REMARKS: TOTAL 1 Children Samer Sugar ASC 2 Secol July about and SERVICE and to American Displace Dive DEPTH OF JOB Pater Jour 9004 & Ct , 1500 LAND PUMPTRUCK CHARGE Clockheld Olvadour @ 6 130pm **EXTRA FOOTAGE** Drag Don Band when to lower open Tagl MILEAGE @[?] MANIFOLD & Kend 2001 (0, STREET 4. 4. 1、中期日中央管理工程等公司 PLUG & FLOAT EQUIPMENT restration and the late 12 ATO Clocks Loe To Allied Cementing Co., LLC. 10- Kraynal 2-01 @. You are hereby requested to rent cementing equipment @ 186 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 ______ ANF C DISCOUNT IF PAID IN A DAYS SIGNATURE KANSAS CORPORATION COMMISSION "Alphore" Birling in a statement of the species and a propriety MEQUAL TO MAKE The Marian and Committee of the Committee of the State of the Committee of

CONSERVATION DIVISION WICHITA, KS

Ser Hillyman a

ALL'-D CEWENING CC LLC. 04384

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SEC. TWP. RANGE	CALLED OUT ON LOCATION	JOB START	they be the state.
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CONSERVATION DIVISION
WIGHTA PS

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 – 1^{st} Pull 1000' (light show of oil) – 2^{nd} 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 \$\frac{3}{2} \emptyseta \text{son top}\) – Swab 3 HRS – FL @ 4200' FS – Recovered 5.7 Bbl @ 40% oil – Shut In

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WICHITA, KS

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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 perfs 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 – 1^{st} pull 1000' @ 60% oil – 2^{nd} & 3^{rd} pull water – 4^{th} 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 – 1^{st} pull 1000' (show of oil) – 2^{nd} 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 ½" X 2" X 14' RWTC on 105 New ¾" Grade D + 70 New Grade "D" 7/8"

11-15-08 Load TBG – PSI to 300# - RDMF

RECEIVED KANSAS CORPORATION COMMUNICATION

DEC 0 9 2008

CONSERVATION DIVISION WICHITA KE

CONFIDENTIAL DEC 0 8 2008