

Notice: Fill out COMPLETELY and return to Conservation Division at the address below within 60 days from plugging date.

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL PLUGGING RECORD**  
K.A.R. 82-3-117

Form CP-4  
December 2003  
Type or Print on this Form  
Form must be Signed  
All blanks must be Filled

Lease Operator: Heartland Oil & Gas Corporation  
Address: 1610 Industrial Park Drive Paola KS 66071  
Phone: (913) 294-1400 Operator License #: 33233  
Type of Well: Gas Docket #: \_\_\_\_\_  
*(Oil, Gas D&A, SWD, ENHR, Water Supply Well, Cathodic, Other)* *(If SWD or ENHR)*  
The plugging proposal was approved on: 2-17-06 (Date)  
by: Taylor Herman (KCC District Agent's Name)  
Is ACO-1 filed?  Yes  No If not, is well log attached?  Yes  No  
Producing Formation(s): List All (If needed attach another sheet)  
\_\_\_\_\_  
Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. 1515  
\_\_\_\_\_  
Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. \_\_\_\_\_  
\_\_\_\_\_  
Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. \_\_\_\_\_

API Number: 15-005-20114-00-00  
Lease Name: Walnut  
Well Number: 4-4 *KCC 7/7/06 Pkt per CP-1*  
Spot Location (QQQQ): E2 - SW - SW - SE  
330 Feet from  North /  South Section Line  
2151 Feet from  East /  West Section Line  
Sec. 4 Twp. 7 S. R. 21  East  West  
County: Atchison  
Date Well Completed: 7-19-03  
Plugging Commenced: 3-01-06  
Plugging Completed: 3-01-06

Show depth and thickness of all water, oil and gas formations.

Oil, Gas or Water Records		Casing Record (Surface Conductor & Production)				
Formation	Content	From	To	Size	Put In	Pulled Out
	Surface	GL	155'	8 5/8	155'	None
	Production	GL	1501'	5 1/2	1501'	None

Describe in detail the manner in which the well is plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same depth placed from (bottom), to (top) for each plug set.

Ran tubing and tagged at 1460'. Pumped 10 bbls of gelled water (2 sx). Had gel from 1397' to 1460'. With tubing at 1397', pumped 10 bbls (2 sx) of gelled water. Pumped 30 sx of Class A cement with 1 sx of Cottonseed hulls and displaced with 6.5 bbls of gelled water (1 sx). Had gel from 275' to 1135' and cement from 1135' to 1397'. With tubing at 273', circulated cement to surface with 30 sx of Class A cement.

Name of Plugging Contractor: Hurricane Well Service, Inc. License #: 32006  
Address: PO Box 782228 Wichita KS 67278-2228

Name of Party Responsible for Plugging Fees: Hurricane Well Service, Inc.  
State of Kansas County, Sedgwick, ss.

Darrel G. Walters (Employee of Operator) or (Operator) on above-described well being first duly sworn on oath, says: That I have knowledge of the facts statements, and matters herein contained, and the log of the above-described well is as filed, and the same are true and correct, so help me God.

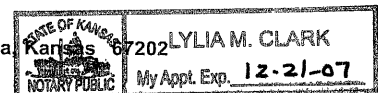
(Signature) [Signature]

(Address) PO Box 782228 Wichita KS 67278-2228

SUBSCRIBED and SWORN TO before me this 5<sup>th</sup> day of July, 2006

[Signature] My Commission Expires: 12-21-07  
Notary Public

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita



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*KCC 7/7/06 Pkt per operator*

*Pkt*

FED ID# 48-1214033  
MC ID # 158212  
Shop # 620 437-2861  
Cellular # 620 437-7582  
Office # 316 685-5908  
Office Fax # 316-685-5926  
Shop Address: 3613A Y Road  
Madison, KS 66860

Hurricane Truck Services, Inc.  
P.O. Box 782228  
Wichita, KS 67278-2228

Cement and Acid  
Service Ticket  
T 1284

DATE 3-1-06

COUNTY Andison CITY \_\_\_\_\_

CHARGE TO HEARTLAND OIL & GAS CORPORATION

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ST \_\_\_\_\_ ZIP \_\_\_\_\_

LEASE & WELL NO. WALNUT 4-4 CONTRACTOR HURRICANE RIG # 2

KIND OF JOB Plug to Abandon SEC. 4 TWP. 7 RING. ZI EAST

DIR. TO LOC. \_\_\_\_\_ 7:00<sup>A</sup>  OLD  NEW

Quantity	MATERIAL USED	Serv. Charge
605x	CLASS A	
55x	GEL	
15x	COTTON SEED HULLS	
655x	BULK CHARGE	
	BULK TRK. MILES <u>3.170</u>	
	PUMP TRK. MILES	
	PLUGS	
		SALES TAX
		TOTAL

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CONSERVATION DIVISION  
WICHITA, KS

NIC

T.D. 1515 P810 1466

SIZE HOLE 7 7/8

MAX. PRESS. 800

PLUG DEPTH 1135-1397 / 0-273'

PLUG USED CLASS A

REMARKS: \_\_\_\_\_

CSG. SET AT 1501 VOLUME \_\_\_\_\_

TBG SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_

SIZE PIPE 27 1/2 TUB. / 5 1/2 CSG

PKER DEPTH \_\_\_\_\_

TIME FINISHED 10:30<sup>A</sup>

SEE ATTACHMENT

EQUIPMENT USED

NAME SAM ARGO UNIT NO. 84  
Neal V Rupp  
CEMENTER OR TREATER

NAME JERRY STRAKER UNIT NO. 91  
OWNER'S REP.

FED ID # 48-1214033  
 MC ID # 156212  
 Shop # 620 437-2661  
 Cellular # 620 437-7582  
 Office # 316-685-5908  
 Office Fax # 316-685-5926  
 Shop Address: 3613A Y Road  
 Madison, KS 66860

**Hurricane Truck Services, Inc.**  
 P.O. Box 782228  
 Wichita, KS 67278-2228

**Acid/Cementing Log**

Date 3-1-06 District MADISON Ticket No. 1284  
 Company HARTLAND OIL & GAS CO. Rig 1  
 Lease WALNUT Well No. 4-4  
 County ADAMSON State KS  
 Location \_\_\_\_\_ Field \_\_\_\_\_

CASING DATA:  NTA  Squeeze  Acid  Mini Frac  
 Surface  Intermediate  Production  Liner  
 Size 5 1/2 Type CTC Weight 15.5 Collar LEAF

Casing Depths: Top 8 5/4 155' Bottom 5 1/2 1501

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 7 7/8 T.D. 1515 II. P.B. to 1466 ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .0238 Lin. ft./Bbl. 42.01  
 Open Hole: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. .0152 Lin. ft./Bbl. 65.71  
 Tubing: Bbls/Lin. ft. .0054 Lin. ft./Bbl. 258.65  
 Perforations: From 1196 ft. to 1347 ft. Amt. 6.5555  
 Packer Setting: \_\_\_\_\_ B-Plug Depth \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: Gelled H<sub>2</sub>O  
 Amt. 5 Bks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type CLASS A +  
1SK CSH Excess \_\_\_\_\_  
 Amt. 60 Skes Yield 1.17 ft<sup>3</sup>/sk Density 15.2 PPG  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skes Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 WATER: Lead 5.2 gals/sk Tail \_\_\_\_\_ gals/sk Total 7.5 Bbls

Acid Type \_\_\_\_\_  
 Pump Truck Used 84  
 Bulk Equipment 91  
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Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plug Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Dep. Fluid Type \_\_\_\_\_ Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG  
 Fluid Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE \_\_\_\_\_

CEMENTER/TREATER NEAL KUPP

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM / PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
						3.0 Run Tubing TAG @ 1460' - LEAD HOLE -
						19.0 Hole Leads - Pump Gelled H <sub>2</sub> O (25x)
						10.0 Gelled H <sub>2</sub> O IN - Pull Tub. TO 1397'
						3.0 Pump Gelled H <sub>2</sub> O (25x)
				20.0	10.0	3.0 Gelled H <sub>2</sub> O - START CEMENT (305x) + 15x CSH
				26.25	6.25	3.0 CEMENT IN - START Gelled Disp. (15x)
				32.75	6.5	3.0 CEMENT IN PLACE - Pull Tubing
						Gell - 1397 - 1460
						Cement - 1135 - 1397
						Gell - 275 - 1135
						3.0 Tubing @ 273' - LEAD HOLE
				5.0	3.0	3.0 Hole Leads - START CEMENT (305x)
				6.25		CIRCULATE CEMENT TO SURFACE
						Pull Tubing
						USED: 605x CLASS A
						55x GEL
						15x CSH

FINAL DISP. PRESS: \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ DOLS.  
 ISIP \_\_\_\_\_ PSI 5 MIN \_\_\_\_\_ PSI 10 MIN \_\_\_\_\_ PSI 15 MIN \_\_\_\_\_ PSI