

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

**KANSAS CORPORATION COMMISSION RECEIVED**  
**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

**MAR 06 2006**  
**KCC WICHITA**

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: 1-23-06 (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. 2260  
 \_\_\_\_\_ Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. \_\_\_\_\_  
 \_\_\_\_\_ Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. \_\_\_\_\_

API Number: 15 - 085-20066-00-00  
 Lease Name: Liggatt  
 Well Number: 33 - 35  
 Spot Location (QQQQ): \_\_\_\_\_ - C - NW - SE  
1950 Feet from  North /  South Section Line  
1910 Feet from  East /  West Section Line  
 Sec. 35 Twp. 5 S. R. 16  East  West  
 County: Jackson  
 Date Well Completed: 2-12-04  
 Plugging Commenced: 2-15-06  
 Plugging Completed: 2-16-06

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	217'	8 5/8	217'	None
	Production	GL	2204'	5 1/2	2204'	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.

On 2-15-06, ran tubing and tagged at 2200'. Pumped 45.0 bbls of gelled water and pumped 15 sx of Class A cement and displaced with 8.0 bbls of gelled water. Had gelled water from 2069' to 250' and cement from 2200' to 2069'. On 2-16-06, pulled tubing to 251' and pumped 30 sx of Class A cement and circulated to surface. Pulled tubing.

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. PKT per o per -misch

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 6<sup>th</sup> day of March, 2006

[Signature] My Commission Expires: 12-21-2007  
 Notary Public

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

Cement and Acid  
 Service Ticket  
 T 1274

DATE 2-15/2-16-06

COUNTY JACKSON CITY \_\_\_\_\_  
 CHARGE TO HEARTLAND OIL & GAS CORP  
 ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ST \_\_\_\_\_ ZIP \_\_\_\_\_  
 LEASE & WELL NO. LEGGATT 33-35 CONTRACTOR HURRICANE REG #1  
 KIND OF JOB Plug TO ABANDON SEC. 35 TWP. 05 RNG. 16 EAST  
 DIR. TO LOC. \_\_\_\_\_ 4:30<sup>P</sup>/7:00<sup>A</sup>  OLD  NEW

Quantity	MATERIAL USED	Serv. Charge
455x	CLASS A	550.00
135x	GEL	
585x	BULK CHARGE	
	BULK TRK. MILES <u>2.8 TON</u>	
	PUMP TRK. MILES	
		N/C
	PLUGS	
		SALES TAX
		TOTAL

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T.D. 2260 CSG. SET AT 2204 VOLUME \_\_\_\_\_  
 SIZE HOLE 7 7/8 TBG SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_  
 MAX. PRESS. 1000 SIZE PIPE 2 3/8 TUBING - 5 1/2 CS6  
 PLUG DEPTH 2069-2200/0-251' PKER DEPTH \_\_\_\_\_  
 PLUG USED CLASS A TIME FINISHED 6:30<sup>P</sup>/8:30<sup>A</sup>

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
SEE ATTACHMENT  
 \_\_\_\_\_  
 \_\_\_\_\_

EQUIPMENT USED

NAME	UNIT NO.	NAME	UNIT NO.
<u>SAM ARGO</u>	<u>84</u>	<u>JERRY STRAKER</u>	<u>91</u>
<u>Heartland Corp</u>			
CEMENTER OR TREATER		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 2-15/2-16-06 District MADISON Ticket No. 1274  
 Company HEARTLAND OIL & GAS Rig 1  
 Lease LISSAIT Well No. 33-35  
 County JACKSON State KANS  
 Location \_\_\_\_\_ Field \_\_\_\_\_

CASING DATA:  PTA  Squeeze  Acid  Mini Frac  
 Surface  Intermediate  Production  Liner  
 Size 5 1/2 Type LTC Weight 15.5 Collar LONG

Casing Depths: Top 8 5/8 217' Bottom 5 1/2 2204

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 7 7/8 T.D. 2260 ft. P.B. to 2200 ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 1.0238 Lin. ft./Bbl. 42.06  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. 1.0178 Lin. ft./Bbl. 56.24  
 Tubing: Bbls/Lin. ft. 1.0039 Lin. ft./Bbl. 258.6  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_  
 Packer Setting: \_\_\_\_\_ B-Plug Depth \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: GELLED H2O  
 Amt. 13 Skis Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type CLASS A  
 Excess \_\_\_\_\_  
 Amt. 45 Skis Yield 1.17 ft<sup>3</sup>/sk Density 15.2 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skis Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

WATER: Lead 5.2 gals/sk Tail \_\_\_\_\_ gals/sk Total 5.5 Bbls

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

COMPANY REPRESENTATIVE Taylor (KCC) CEMENTER/TREATER NEAL Rupp

TIME AM / PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						2-15-06
	800			3.0	3.0	Run Tubing TAG @ 2200' - Load hole
	1000			3.0	3.0	START GELLED H2O (115X)
	700	48.0	45.0	3.0	3.0	GELLED H2O IN - START CEMENT (155X)
	0	56.0	56.0	3.0	3.0	CEMENT IN - START GELLED DISP (25X)
				8.0	3.0	DISP IN - PULL TUBING
						BELL - 250-2069
						CEMENT 2069-2200
						TUBING @ 1000' - Shut Down for EUE.
						2-16-06
	100			3.0	3.0	PULL TUBING TO 251' - Load hole.
	0	8.25	6.25	2.0	3.0	HOLE LOADS START CEMENT (305X)
						CIRCULATE CEMENT TO SURFACE
						PULL TUBING
						CEMENT 0-251'
						USED @ 455X CLASS A
						135X GEL

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