

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: 3-02-06 (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. 1710
 _____ Depth to Top: _____ Bottom: _____ T.D. _____
 _____ Depth to Top: _____ Bottom: _____ T.D. _____

API Number: 15-005-20117-00-00
 Lease Name: ~~Emzen (Emzen)~~ EMZEN *KCC 7/7/06 Pkt Per CP-1*
 Well Number: 43-11
 Spot Location (QQQQ): SE - NW - NE - SE
2100 Feet from North / South Section Line
700 Feet from East / West Section Line
 Sec. 11 Twp. 7 S. R. 20 East West
 County: Atchison
 Date Well Completed: 3-23-04
 Plugging Commenced: 3-16-06
 Plugging Completed: 3-16-06

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	40'	8 5/8	40'	None
	Production	GL	1695'	5 1/2	1695'	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 1640'. Pumped 10.25 bbls of gelled water (2 sx). With tubing at 1610', pumped 16.5 bbls of gelled water (4 sx). Pumped 30 sx of Class A cement plus 1 sx of cottonseed hulls. Displaced with 7.5 bbls of gelled water (2 sx). Had gel from 1610' to 1640', cement from 1337' to 1610' and gel from 274' to 1337'. With tubing at 274', pumped 30 sx of Class A cement and circulated to surface.

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. *KCC 7/7/06 Pkt Per Operator*
Darrel G. Walters (Employee of Operator) or (Operator) on above-described well, being first duly

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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 5th day of July, 2006
[Signature] My Commission Expires: 12-21-2007
 Notary Public

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202
 NOTARY PUBLIC LYLIA M. CLARK My Appt. Exp. 12-21-07

Pkt

FED ID# 48-1214033
 MC ID # 156212
 Shop # 620 437-2661
 Cellular # 620 437-7582
 Office # 318 885-5908
 Office Fax # 318-685-5926
 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 1363

DATE 3-16-06

COUNTY ARCHERSON CITY _____

CHARGE TO HEARTLAND OIL & GAS CORP.

ADDRESS _____ CITY _____ ST _____ ZIP _____

LEASE & WELL NO. EMERSON 43-11 CONTRACTOR HURRICANE WELL SERVICES

KIND OF JOB Plug TO Abandon SEC. 11 TWP. 7S RNG. 20 EAST

DIR. TO LOC. _____ 7:00A OLD NEW

Quantity	MATERIAL USED	Serv. Charge
60gx	CLASS A	550.00
85x	62L	
15x	COTTON SEED HULLS	
685x	BULK CHARGE	N/A
	BULK TRK. MILES <u>3.2 TON</u>	
	PUMP TRK. MILES	
	PLUGS	N/A
	SALES TAX	
	TOTAL	

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T.D. 1710 PBD 1647

SIZE HOLE 7 7/8

MAX. PRESS. 800

PLUG DEPTH 1337-1610-0-274'

PLUG USED CLASS A

REMARKS: _____

CSG. SET AT 1695 VOLUME _____

TBG SET AT _____ VOLUME _____

SIZE PIPE 2 7/8 TOB / 5 1/2 CSG

PKER DEPTH _____

TIME FINISHED 12:30

SEE ATTACHMENT

EQUIPMENT USED

NAME SAM ARGO UNIT NO. 84
Neal Argo
 CEMENTER OR TREATER

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

FED ID # 48-1214033
 MC ID # 156212
 Shop # 620 437-2661
 Cellular # 620 437-7562
 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 3-16-06 District MADISON Ticket No. 1363
 Company HEARTLAND OIL & GAS Corp Rig 1
 Lease EMERSON Well No. 43-11
 County ATCHISON State KANSAS
 Location _____ Field _____

CASING DATA: WTA Squeeze Acid Mini Frac
 Surface Intermediata Production Liner
 Size 5 1/2 Type STC Weight 15.5 Collar 60 N.P.

Casing Depths: Top 2518 40' Bottom 5121695'

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 1710 ft. P.B. to 1647 ft.

CAPACITY FACTORS:
 Casing: Dbls/Lin. ft. .0228 Lin. ft./Bbl. 42.01
 Open Holes: Dbls/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. .0058 Lin. ft./Bbl. 172.76
 Perforations: From 1337 ft. to 1563 ft. Amt. 5.58 TS
 Packer Setting: _____ B-Plug Depth _____

CEMENT DATA:
 Spacer Type: Gelled H₂O
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____

LEAD: Pump Time _____ hrs. Type CLASS A
1.5X C.S.H Excess _____
 Amt. 60 Sks Yield 1.17 ft³/sk Density 15.2 PPG _____

TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/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 _____ Dep. _____
 Centralizers: Quantity _____ Plugs Top _____ Dtm. _____
 Stage Collars _____
 Special Equip. _____
 Dep. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG _____
 Fluid Type _____ Weight _____ PPG _____

COMPANY REPRESENTATIVE _____ CEMENT/TREATER NAL Rupp

TIME AM / PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls. Min.	
	800			15.10	3.0	Run Tubing TAC @ 1640' - Load Hole
	0			10.25	3.0	Hole Loads - Pump Gelled H ₂ O (2 sk)
	900		26.25	16.50	3.0	Pull Tub to 1610' - Pump Gelled H ₂ O (4 sk)
	500		33.75	6.25	3.0	Gelled H ₂ O @ - Pump 30 sk CLASS A + 1.5X C.S.H.
	0		40.5	7.5	3.0	Cement ID - Start Gelled Disp. (2 sk)
						DEEP IN - Pull Tubing
						Gell - 1610-40
						Cement - 1337-1610
						GELL - 274'-1337
	100				3.0	Tubing @ 274' - Load Hole
	100		6.25	5.0	3.0	Hole Loads - Start CLASS A (30 sk)
	100			6.25	3.0	CR. Cement to Surface -
						Pull Tub.
						Cement 0-274'
						DEEP: 60 sk CLASS A
						8 sk GEL
						1.5X COLLAR SEED HOLE

FINAL DISP. PRESS: _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLs.
 ISIP _____ PSI 5 MIN _____ PSI 10 MIN _____ PSI 15 MIN _____ PSI