

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. 1575
 _____ Depth to Top: _____ Bottom: _____ T.D. _____
 _____ Depth to Top: _____ Bottom: _____ T.D. _____

API Number: 15-005-20105-00-00
 Lease Name: Walnut
 Well Number: 32-1
 Spot Location (QQQQ): _____ - SE - SW - NE
1995 Feet from North / South Section Line
1657 Feet from East / West Section Line
 Sec. 32 Twp. 6 S. R. 21 East West
 County: Atchison
 Date Well Completed: 4-28-03
 Plugging Commenced: 3-06-06
 Plugging Completed: 3-06-06

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	136'	8 5/8	136'	None
	Production	GL	1570'	5 1/2	1570'	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 1541'. Pumped 15 bbls of gelled water (2.5 sx). Had gel from 1492' to 1541'. With tubing at 1492', pumped 22 bbls (5.5 sx) of gelled water. Pumped 35 sx of Class A with 1 sx of Cottonseed hulls. Had gel from 275' to 1204' and cement from 1204' to 1492'. With tubing at 286', 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

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JUL 05 2006
CONSERVATION DIVISION
WICHITA, KS

*KCC 7/7/06
 PPT Per Operator*

SUBSCRIBED and SWORN TO before me this 5th day of July, 2006
Lyliam Clark My Commission Expires: 12-21-2007
 Notary Public

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

PPT

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 1287**

DATE 3-6-06

COUNTY Atchison CITY _____

CHARGE TO HEADLAND OIL & GAS COOP

ADDRESS _____ CITY _____ ST _____ ZIP _____

LEASE & WELL NO. WALNUT 32-1 CONTRACTOR HURRICANE REG # 7

KIND OF JOB Plug to Abandon SEC. 32 TWP. 6 RNG. 21 EAST

DIR. TO LOC. _____ 1:30 OLD NEW

Quantity	MATERIAL USED	Serv. Charge	
655x	CLASS A		550.00
95x	GEL		
15x	COTON SEED HULLS		
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745x	BULK CHARGE		N/C
	BULK TRK. MILES <u>3.5 TON</u>		
	PUMP TRK. MILES		
	PLUGS		
		SALES TAX	
		TOTAL	

T.D. 15.75 P8TD 15.41
 SIZE HOLE 7 7/8
 MAX. PRESS. 850
 PLUG DEPTH 1204-1492 - 0286
 PLUG USED CLASS A

CSG. SET AT 1570 VOLUME _____
 TBG SET AT _____ VOLUME _____
 SIZE PIPE 2 7/8 Tub / 5 1/2 OSG
 PKER DEPTH _____
 TIME FINISHED 5:30

REMARKS: _____

SEE ATTACHMENT

EQUIPMENT USED

NAME	UNIT NO.	NAME	UNIT NO.
<u>Sam Argo</u>	<u>84</u>	<u>JEFF STRAKER</u>	<u>91</u>
<u>Neal King</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 66880

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

Acid/Cementing Log

Date 3-6-06 District MADISON Ticket No. 1287
 Company HEARTLAND OIL & GAS Rig 1
 Lease WALNUT Well No. 32-1
 County ATTIQUSON State KANS
 Location _____ Field _____

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

Casing Depths: Top 136' 3 5/8 Bottom 1570' 5 1/2

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 1575 ft. P.B. to 1541 ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0239 Lin. ft./Bbl. 42.01
 Open Holes: 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. .0058 Lin. ft./Bbl. 172.76
 Perforations: From 1262 ft. to 1447 ft. Amt. 55275
 Packer Setting: _____ 8-Plug Depth _____

CEMENT DATA:

Spacer Type: Gel/EO H₂O
 Amt. 9 Skt Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type CLASS A
4 15x CSHT Excess _____

Amt. 6.5 Skt Yield 1.17 ft³/sk Density 1512 PPG

TAIL: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Skt Yield _____ ft³/sk Density _____ PPG

WATER: Lead 5.2 gals/sk Tail _____ gals/sk Total 8.0 Bbls

Acid Type _____
 Pump Truck Used 94
 Bulk Equipment 91

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Float Equip: Manufacturer _____
 Shoe: Type _____
 Float: Type _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____ Amt. _____ Dbls. Weight _____ PPG
 Fluid Type _____ Weight _____ PPG

CONSERVATION DIVISION
 WICHITA, KS

COMPANY REPRESENTATIVE

CEMENTER/TREATER NEAL ROOP

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM / PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbls Min.
						3.0	Run Tub TAG @ 1541' LEAD HOLE
		850			17	3.0	HOLE LEADS START GELLED H ₂ O (2 1/2 SX)
		0			15		GELLED H ₂ O IN - PULL TUB
		850				3.0	Tub @ 1492' - Pump GELLED H ₂ O (5 1/2 SX)
		800			22	3.0	GELLED H ₂ O IN - START CEMENT (35 SX) + 10X CSHT
		500		29.05	7.05	3.0	CEMENT IN - START GELLED PEEF (1 SX)
		~		360	6.75		CEMENT IN PILE - PULL TUBS
							Called H ₂ O - 1492 - 1541
							CEMENT - 1204 - 1492
							Called H ₂ O - 275 - 1204
						3.0	Tubing @ 256' - LEAD HOLE
		100			5.0	3.0	HOLE LEADS START CEMENT (30 SX)
		0			6.75		CIR. CEMENT TO SURFACE - PULL TUB.
							CEMENT 0 - 256'
							USED: 65 SX CLASS A
							9 SX GEL
							15X COTTON SEED HELL'S

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