

JUL 05 2006

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

CONSERVATION DIVISION  
WICHITA, KS

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

KCC PKT  
7-7-06  
Per CP213

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. 1525  
\_\_\_\_\_  
Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. \_\_\_\_\_  
\_\_\_\_\_  
Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. \_\_\_\_\_

API Number: 15-005-20111-00-00  
Lease Name: Walnut  
Well Number: 4-1  
321N E2 - NW - SW - SE  
Spot Location (QQQQ): 1948  
1948 Feet from  North /  South Section Line  
2160 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: 2-23-06  
Plugging Completed: 2-24-06

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	224'	8 5/8	224'	None
	Production	GL	1516'	5 1/2	1516'	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.  
Well was parted. Stripped well out on 2-23-06. Ran tubing and tagged at 1470'. Pumped 10 bbls of gel (2 sx) down tubing to 1407' and pumped 12.5 bbls (3 sx) of gel. Pumped 30 sx of Class A with 1 sx of Cottonseed hulls and displaced with 6.5 bbls of gelled water (1 sx) to 284' Had cement from 1145' to 1407' and gel from 1407' to 1470'. With tubing at 284', circulated cement to surface with 35 sx of Class A cement on 2-24-06.

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 717106 PKT Per operator  
Darrel

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: 12-21-2007  
Notary Public



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

PKT

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 1281

DATE 2-23+24-06

COUNTY Atchison CITY \_\_\_\_\_

CHARGE TO HEARTLAND OIL & GAS CORP  
 ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ST \_\_\_\_\_ ZIP \_\_\_\_\_  
 LEASE & WELL NO. WALNUT 4-1 CONTRACTOR HURRICANE # I  
 KIND OF JOB Plug TO Abandon SEC. 4 TWP. 7 RNG. Z1 EAST  
 DIR. TO LOC. \_\_\_\_\_ 4:00<sup>P</sup> / 7:00<sup>A</sup> (OLD) NEW

Quantity	MATERIAL USED	Serv. Charge	
655x	CLASS A		550.00
65x	GELL		
15x	COTTON SEED HULLS		
715x	BULK CHARGE		
	BULK TRK. MILES <u>3.4 TON</u>		
	PUMP TRK. MILES		NIC
	PLUGS		
		SALES TAX	
		TOTAL	

RECEIVED  
 KANSAS CORPORATION COMMISSION

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CONSERVATION DIVISION  
 WICHITA, KS

T.D. 1525 P870 1485  
 SIZE HOLE \_\_\_\_\_  
 MAX. PRESS. 600  
 PLUG DEPTH 1145-1407 / 0 - 284'  
 PLUG USED CLASS A

CSG. SET AT 1516 VOLUME \_\_\_\_\_  
 TBG SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_  
 SIZE PIPE 2 7/8 TUBING - 5 1/2 ODS  
 PKER DEPTH \_\_\_\_\_  
 TIME FINISHED 5:30<sup>P</sup> / 1:00<sup>P</sup>

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

SEE ATTACHMENT

EQUIPMENT USED

NAME JAM ARGO UNIT NO. 84  
Neal Yung  
 CEMENTER OR TREATER

NAME JELLY 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

CEMENT DATA:

Spacer Type: GELLED H<sup>2</sup>O  
 Amt. 6 Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type CLASS A  
+ 1.5X CSH  
 Amt. 65 Skys Yield 1.17 ft<sup>3</sup>/sk Density 15.2 PPG

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

WATER: Lead 5.2 gals/sk Tail \_\_\_\_\_ gals/sk Total 9.0 Bbls

Date 2-24-06 District MADISON Ticket No. 281  
 Company HEARTLAND OIL & GAS Rig 1  
 Lease WALNOT Well No. 4-1  
 County ATCLINSON State K.S.  
 Location \_\_\_\_\_ Field \_\_\_\_\_

CASING DATA:  EPTA  Squeeze  Acid  Mini Frac  
 Surface  Intermediate  Production  Liner  
 Size 5 1/2 Type CTC Weight 15.5 Collar 1009

Casing Depths: Top 85/8 224' Bottom 5 1/2 1516

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 7 7/8 T.D. 1525 ft. P.B. to 1495 ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 1.0238 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. 1.0152 Lin. ft./Bbl. 68.71  
 Tubing: Bbls/Lin. ft. .0059 Lin. ft./Bbl. 172.76  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_  
 Packer Setting: \_\_\_\_\_ B-Plug Depth \_\_\_\_\_

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Acid Type \_\_\_\_\_  
 Pump Truck Used 84  
 Bulk Equipment 91  
 Float Equip: Manufacturer CONSERVATION DIVISION  
 Shoe: Type WICHITA, KS 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	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM / PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
						<u>2-23-06</u>
						<u>WELL PARTED - STRIP OUT</u>
						<u>2-24-06</u>
						<u>STRIP REST OF WELL OUT</u>
						<u>TRIP IN WITH TUBING YAG @ 1470'</u>
						<u>LOAD HOLE</u>
						<u>HOLE LOADS - START GEL (2.5X)</u>
						<u>GEL TO - PULL TUBING TO 1407'</u>
						<u>START GELL (3.5X)</u>
						<u>GELL TO START CLASS A (30SX) + 1.5X C.S.H</u>
						<u>CEMENT IN - START GEL DISP (1.5X)</u>
						<u>CEMENT IN PLACE - PULL TUBING</u>
						<u>GELL - 1410 - 1470</u>
						<u>CEMENT - 1145 - 1407</u>
						<u>GELL 284 - 1145</u>
						<u>Tub @ 284' - LOAD HOLE</u>
						<u>HOLE LOADS START CLASS A 3.5SX</u>
						<u>CIRCULATE CEMENT TO SOFT - PULL TUB.</u>
						<u>USED: 65 SX CLASS A</u>
						<u>6 SX GEL</u>
						<u>1 SX COTTON SEED HULLS</u>

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