

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
 Type of Well: SWD GAS with reappreciation
 Operator License #: 33233 Docket #: N/A
 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. 3302
 _____ Depth to Top: _____ Bottom: _____ T.D. _____
 _____ Depth to Top: _____ Bottom: _____ T.D. _____

01

API Number: 15-085-20065-00-00
 Lease Name: Liggatt
 Well Number: 33-35 WD
 Spot Location (QQQQ): _____ - SW - NW - SE
1965 Feet from North / South Section Line
1995 Feet from East / West Section Line
 Sec. 35 Twp. 5 S. R. 16 East West
 County: Jackson
 Date Well Completed: 1-29-04 (original)
 Plugging Commenced: 2-16-06
 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	3301'	5 1/2	3301'	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 3250'. Pumped 66.0 bbls of gelled water and pumped 25 sx of Class A cement plus 1 sx of cottonseed hulls and displaced with 11.75 bbls of gelled water. Had gelled water from 3031' to 250' and cement from 3250' to 3031'. Pulled tubing to 251' and pumped 30 sx of Class A cement and circulated to surface.

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MAR 06 2006

KCC WICHITA

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 per proper-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 6th day of March, 2006

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

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

STATE OF KANSAS
67206
NOTARY PUBLIC
LYLIA M. CLARK
My Appt. Exp. 12-21-07

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 1275

DATE 2-16-06

CHARGE TO HEARTLAND OIL & GAS COUNTY JACKSON CITY _____
 ADDRESS _____ CITY _____ ST _____ ZIP _____
 LEASE & WELL NO. LIGGAT 33-35WD CONTRACTOR HURRICANE RES #1
 KIND OF JOB PLUG TO ABANDON SEC. 35 TWP. 05 RNG. 16 EAST
 DIR. TO LOC. _____ 8:30A OLD NEW

Quantity	MATERIAL USED	Serv. Charge	
555x	CLASS A		550 ⁰⁰
195x	GEL		
15x	COTTON SEED hulls		
74	BULK CHARGE		
	BULK TRK. MILES <u>3.5 TON</u>		
	PUMP TRK. MILES		NIC
	PLUGS		
		SALES TAX	
		TOTAL	

T.D. 3302
 SIZE HOLE 7 7/8
 MAX. PRESS. 1200
 PLUG DEPTH 3032-3250 / 0-251
 PLUG USED CLASS A

CSG. SET AT 3301 VOLUME _____
 TBG SET AT _____ VOLUME _____
 SIZE PIPE 2 3/8 Tub. - 5 1/2 CSG
 PKER DEPTH _____
 TIME FINISHED 12:00 P

REMARKS:

SEE ATTACHMENT

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 KCC WICHITA

EQUIPMENT USED

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

NAME JENNY 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 H₂O
 Amt. 19 Skys Yield _____ ft³/sk Density _____ PPG

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

Amt. 55 Skys Yield 1.17 ft³/sk Density 15.2 PPG

TAIL: Pump Time _____ hrs. Type _____
 Excess _____

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

WATER: Lead 5.2 gals/sk Tail _____ gals/sk Total 70 Bbls

Acid Type _____

Pump Truck Used 84

Bulk Equipment 91

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Blm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG

Fluid Type _____ Weight _____ PPG

Date 2-16-06 District MADISON Ticket No. 1275
 Company HEARTLAND OIL & GAS Rig 1
 Lease LEFFATT WD Well No. 33-35
 County JACKSON State KANS
 Location _____ Field _____

CASING DATA: 2PTA Squeeze Acid Mini Frac

Surface Intermediate Production Liner

Size 5 1/2 Type LTC Weight 15.5 Collar LONG

Casing Depths: Top 858 217 Bottom 5 1/2 3301

Drill Pipe: Size _____ Weight _____ Collars _____

Open Hole: Size 7 7/8 T.D. 3302 ft. P.B. to _____ ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. .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. .0178 Lin. ft./Bbl. 56.28

Tubing: Bbls/Lin. ft. .0039 Lin. ft./Bbl. 258.6

Perforations: From _____ ft. to _____ ft. Amt. _____

Packer Setting: _____ B-Plug Depth _____

COMPANY REPRESENTATIVE _____

CEMENTER/TREATER NEAL Rupp

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM / PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
					3.0	RUN TUBING TO 3250' LOAD HOLE
		800			2.0	HOLE LOADS - START GELLED H ₂ O (165x)
		1200			66.0	GELLED H ₂ O IN - START CEMENT (255x) (15x CS)
		1060	77.25	95.75	3.0	CEMENT IN - START GELLED DISP (35x)
		0	83.0	11.75		CEMENT IN PLACE - PULL TUBING
						GELL 250-3031
						CEMENT 3031-3250
					3.0	TUBING @ 251' - LOAD HOLE
		100			5.0	HOLE LOADS - START CEMENT (305x)
		0	6.25	6.25		CIRCULATE CEMENT TO SURFACE - PULL TUBING
						CEMENT 0-251'
						USED: 555x CLASS A
						195x GEL
						15x COTTON SEED WOLLS

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 KCC WICHITA

FINAL DISP. PRESS: _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLs.