

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 - C/M 3-7-06 Pan (Oil, Gas D&A, SWD, ENHR, Water Supply Well, Cathodic, Other) Docket #: The plugging proposal was approved on: 1-23-06 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: 1544 Bottom: 1614 T.D. 2166

API Number: 15-043-20025-00-00 Lease Name: Buffalo Hollow Well Number: 1-14 Spot Location (QQQQ): - SW - NW - SW 1599 Feet from North / South Section Line 429 Feet from East / West Section Line Sec. 14 Twp. 2 S. R. 20 East West County: Doniphan Date Well Completed: 12-12-01 Plugging Commenced: 2-23-06 Plugging Completed: 2-23-06

Show depth and thickness of all water, oil and gas formations.

Table with columns: Oil, Gas or Water Records (Formation, Content) and Casing Record (Surface Conductor & Production) (From, To, Size, Put In, Pulled Out). Includes data for Surface and Production formations.

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 2119'. Pumped 16.25 bbls of gelled water and had gel from 2119' to 1669'. With tubing at 1669', Pumped 19.0 bbls of gelled water and pumped 15 sx of Class A cement plus 1 sx of cottonseed hulls. Had gelled water from 1473' to 300' and cement from 1669' to 1473'. With tubing at 283', pumped 25 sx of Class A cement and circulated to surface. Had cement from 283' 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. 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.

RECEIVED MAR 06 2006 KCC WICHITA

(Signature) [Signature] (Address) PO Box 782228 Wichita KS 67278-2228

SUBSCRIBED and SWORN TO before me this 6th day of March, 2006. Notary Public My Commission Expires: 12-21-2007

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Notary Public seal for 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 1280

DATE 2-23-06

COUNTY Dewey CITY _____

CHARGE TO HEARTLAND OIL & GAS CORP

ADDRESS _____ CITY _____ ST _____ ZIP _____

LEASE & WELL NO. Buffalo Hollow 1-14 CONTRACTOR HURRICANE RIG #1

KIND OF JOB Plug to Abandon SEC. 14 TWP. Z RNG. 20 EAST

DIR. TO LOC. _____ 8:00A OLD NEW

Quantity	MATERIAL USED	Serv. Charge
		<u>550.00</u>
<u>40sx</u>	<u>CLASS A</u>	
<u>10sx</u>	<u>GEL</u>	
<u>1sx</u>	<u>COTTON SEED HULLS</u>	
<u>50sx</u>	<u>BULK CHARGE</u>	
	<u>BULK TRK. MILES 2.4 TON</u>	
	<u>PUMP TRK. MILES</u>	<u>PIC</u>
	<u>PLUGS</u>	
		SALES TAX
		TOTAL

T.D. 2166

SIZE HOLE 7 7/8

MAX. PRESS. 900

PLUG DEPTH 1473-1669' - 0-283'

PLUG USED CLASS A

CSG. SET AT 2141 VOLUME _____

TBG SET AT _____ VOLUME _____

SIZE PIPE 2 3/8 Tub / 4 1/2 CSG

PKER DEPTH _____

TIME FINISHED 11:00A

REMARKS:

SEE ATTACHMENT

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EQUIPMENT USED

NAME SAM ARGO UNIT NO. 84

NAME JERRY STRAKER UNIT NO. 91

Neal Corp
 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 2-23-06 District MADISON Ticket No. 1280
 Company HEARTLAND OIL & GAS Rig Z
 Lease Buffalo Hollow Well No. 1-14
 County DONIPHAN State KANS.
 Location _____ Field _____

CASING DATA: PTA Squeeze Acid Mini Frac
 Surface Intermediate Production Liner
 Size 4 1/2 Type LTC Weight 10.5 Collar LONG

Casing Depths: Top 854 251' Bottom 5' = 2141

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 2166 ft. P.B. to 2119 ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 1.0159 Lin. ft./Bbl. 62.70
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 10101 Lin. ft./Bbl. 99.37
 Tubing: Bbls/Lin. ft. 1.0029 Lin. ft./Bbl. 258.65
 Perforations: From _____ ft. to _____ ft. Amt. _____
 Packer Setting: _____ B-Plug Depth _____

CEMENT DATA:

Spacer Type: Gel/20 H₂O
 Amt. 10 Skys Yield _____ ft³/sk Density _____ PPG

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

Amt. 40 Skys Yield 1.17 ft³/sk Density 15.2 PPG
 TAIL: Pump Time _____ hrs. Type _____

Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
 WATER: Lead 512 gals/sk Tail _____ gals/sk Total 510 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 _____

CEMENTER/TREATER NEAL RUFF

TIME AM / PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
	800			5.0	3.0	Run Tubing TAB @ 2119' - LOAD HOLE
	0		16.25	16.25	3.0	HOLE LOADS - START GELLED H ₂ O (45X)
	800				3.0	GELLED H ₂ O IN - PULL TUBING
	800			19.0	3.0	Tubing @ 1669' - START GELLED H ₂ O (55X)
	500		22.25	3.25	3.0	GELLED H ₂ O IN - START CLASS A + 15X CSH (15X)
	0		27.75	5.5	3.0	CLASS A IN - START GELLED DISP. (15X)
						CEMENT IN PLACE - PULL TUBING
						GELLED H ₂ O 1669-2119
						CEMENT 1473-1669
						GELLED H ₂ O 300-1473
	100			6.0	3.0	Tubing @ 283' - LOAD HOLE
	0		11.25	5.25	3.0	HOLE LOADS - START CLASS A (255X)
						CIRCULATE CEMENT TO SURFACE
						PULL TUBING
						USED 6 405X CLASS A
						10.5X GELLED H ₂ O
						15X COTTON SEED HULLS

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 KCC WICHITA