



Operator Name: Hughes Drilling Company Lease Name: Smith Well #: 1  
 Sec. 23 Twp. 23 S. R. 22  East  West County: Bourbon

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run: <b>Gamma Ray-Neutron</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  Name <u>Bartlesville</u> Top <u>462</u> Datum <u>494</u>
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CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
surface	11	7in.	16	24.20	portland	9	
production	5 5/8	2 7/8	7	515	OWC	65	16# Flow Seal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
3	13 perms-476-480 2" DML RTG	fracture-2,500# sand	476-480

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <b>8-20-09</b>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. <b>1</b>	Gas Mcf <b>trace</b> Water Bbls. <b>5</b> Gas-Oil Ratio _____ Gravity <b>23</b>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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**CONSOLIDATED**  
Oil Well Services, LLC

*Ken  
Van  
10/26/09*

TICKET NUMBER 20139  
LOCATION Ottawa KS  
FOREMAN Fred Mader

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7/30/09	3425	E Smith # 1	SE 22	23	22	BB
CUSTOMER <u>Hughes Drilling</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>122 Main St.</u>			<u>506</u>	<u>FREMAD</u>		
CITY <u>Wellsville</u>			<u>368</u>	<u>KENHAM</u>		
STATE <u>KS</u>			<u>503</u>	<u>ARLMCD</u>		
ZIP CODE <u>66092</u>						

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 520' CASING SIZE & WEIGHT 2 1/2" EUE  
 CASING DEPTH 512' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 2 1/2" Plug  
 DISPLACEMENT 3BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4BPM

REMARKS: check casing depth w/ wireline. Mix + Pump 100# Premium  
6el Flush. Mix + Pump 65 sks OWC Cement 1/4" Flo -  
Seal per sack. Cement to surface. Flush pump + lines  
clean. Displace 2 1/2" Rubber plug to casing TD w/  
3BBL Fresh water. Pressure to 500 # PSI. Shut in  
casing

*Fred Mader*

Customer Supplied H<sub>2</sub>O

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE Cement Pump 368		870.00
5406	60 mi	MILEAGE Pump Truck 368		207.00
5402	512'	Casing Footage		N/A
5407	Minimum	Ton Mileage 503		296.00
1124	65 sks	OWC Cement		1040.00
111813	100 #	Premium 6el		16.00
1107	16 #	Flo Seal		31.50
4402	1	2 1/2" Rubber Plug		22.00
			RECEIVED	
			OCT 26 2009	
			KCC WICHITA	
			6.3%	SALES TAX
				ESTIMATED
				TOTAL

Ravin 3737

AUTHORIZATION Clay V...  
Received Time Jul. 31. 2009 9:28AM No. 0011

TITLE 230648

DATE \_\_\_\_\_

# HUGHES DRILLING REPORT

220 FSL 4620 FEL

API # 15-011-23452

Well No. 47 SURFACE CASING PERMANENT CSG.  
 Farm Smith Size 7" Size.....  
 Feet 24.20 Feet.....  
 Circulated 9 sx cement

OPERATOR Hughes Drilling Co.

T. D. at Completion 530  
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
20	Clay	22
16	Shale	38
3	Lime	41
30	Shale	71
2	Lime	73
25	Shale	98
18	Lime	116
76	Shale	184
10	Lime	194
9	Shale	203
7	Lime	210
39	Shale	249
17	Lime	266
7	Shale	273
6	Lime	279
102	Shale	381
1	Lime	382
64	Shale	446
1	Slate	447
15	Shale	462
3	Brown Sand	465
3	Sdy shale	468
1	Blk Sand	469
1	Lt. Br. Sand	470
2	Blk Sand	472
1	Blk Sand	473
10	oil sand	483
11	Blk sand	494
1	coal	495
35	shale	530
		<u>TD</u>

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
7/28/09	0	2	Soil	(1) 2.5-21.5
24'	2	22	Clay	(2) 22.5-44.9
7/29/09	22	38	Shale	(3) 22.5-66.5
5 1/8" APC	38	41	Lime	(4) 22.5-89.4
	41	71	Shale (Slate 60-62)	(5) 22.5-116.5
	71	73	Lime	(6) 22.5-134.0
	73	98	Shale	(7) 22.5-156.5
	98	108	Lime	(8) 22.5-179.0
	108	184	Shale (Slate 174-175)	(9) 22.5-201.5
	184	194	Lime (oil trace 184-189)	(10) 22.5-224.0
	194	203	Shale	(11) 22.5-246.5
	203	210	Lime	(12) 22.5-269.0
	210	249	Shale (Slate 211-212)	(13) 22.5-291.5
	249	266	Lime (oil trace 255-262)	(14) 22.5-314.0
	266	273	Shale (Slate 267-268)	(15) 22.5-336.5
	273	279	Lime	(16) 22.5-359.0
	279	381	Shale (Lime break 362) (Slate 363-364)	(17) 22.5-381.5
	381	382	Lime	(18) 22.5-404.0
	382	446	Shale (Slate 382-383)	(19) 22.5-426.5
	446	447	Slate	(20) 22.5-449.0
	447	462	Shale	(21) 22.5-471.5
593'	462	465	Brown sand (bleeding) (few oil seams)	(22) 22.5-494.0
7/30/09	465	468	Sdy shale	(23) 22.5-516.5
	468	469	Black sand (oil trace)	
	469	470	Lt. Brown sand (No oil)	
	470	472	Black sand (oil trace)	
	472	473	Black sand (some bleeding)	
	473	483	Oil sand (some time @ pg 2)	
	483	494	Black & Gray sand	
	494	495	coal	
	495	530	Shale	
			<u>TD</u>	

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7/30/09 - set 515' of 2 7/8" 8rd EUE pipe  
 used 3 centralizers  
 Bolt at 513'

# HUGHES DRILLING CO.

PS 2

Wellsville, Kansas 66092

Roger 913-883-2235  
Darrel 913-883-4027

CORE TIME

Ron 913-883-4655  
Clay 913-883-4383

LEASE Smith #1

FORMATION Bartlesville

DATE: 7/29/09

~~3"~~ 3" Shave Bit

	FROM FEET	TO	TIME	MINUTES	REMARKS
	470	471	Chip Sample	-	} Black sand (oil trace)
	471	472	" "	-	
	472	473	" "	-	
1	473	474	1:53:00-1:53:45	:45	} Hard sand (bleeding)
2	474	475	1:54:30	:45	
3	475	476	1:55:15	:45	} Solid sand (good bleeding)
4	476	477	1:55:45	:30	
5	477	478	1:56:30	:45	
6	478	479	1:57:00	:30	
7	479	480	1:57:30	:30	
8	480	481	1:58:00	:30	(some bleed)
9	481	482	1:58:45	:45	} Solid sand (480-482.5)
10	482	483	1:59:15	:30	
11	483	484	2:00:00	:45	} slightly Harder sand (some bleeding)
12	484	485	2:00:45	:45	
13	485	486	2:01:45	1:00	- Black + Gray sand (no oil)
14	486	487	2:02:30	:45	- Hard limey sand (no oil)
15	487	488	2:03:30	1:00	} 486-494
16	488	489	2:04:15	:45	
17	489	490	2:05:15	1:00	
18	490	491	2:06:15	1:00	
19	491	492	2:07:00	:45	
20	492	493	2:08:00	1:00	(salty)

493 494 chip  
494 495 chip

- core

(Best Perf Zone 475-479)

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