

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

OPERATOR: License # 5682  
Name: Hughes Drilling Company  
Address 1: 122 N. Main  
Address 2: \_\_\_\_\_  
City: Wellsville State: Ks Zip: 66092 + \_\_\_\_\_  
Contact Person: Carl (Clay) Hughes  
Phone: ( 913 ) 963-9127  
CONTRACTOR: License # 5682  
Name: Hughes Drilling Company  
Wellsite Geologist: none  
Purchaser: High Sierra

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>5/24/10</u>	<u>5/26/10</u>	<u>6/24/10</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 011-23,722-0000

Spot Description: \_\_\_\_\_

SE SW SW SW Sec. 23 Twp. 23 S. R. 22  East  West

220 Feet from  North /  South Line of Section

4,840 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Bourbon

Lease Name: Smith Well #: 1-A

Field Name: Unknown

Producing Formation: Bartlesville

Elevation: Ground: 892 Kelly Bushing: \_\_\_\_\_

Total Depth: 479 Plug Back Total Depth: 474

Amount of Surface Pipe Set and Cemented at: 24.3 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: 474

feet depth to: surface w/ 75 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Carl C. Hughes

Title: partner Date: 8/14/10

KCC Office Use ONLY

Letter of Confidentiality Received

Date: \_\_\_\_\_ RECEIVED

Confidential Release Date: \_\_\_\_\_

Wireline Log Received AUG 13 2010

Geologist Report Received

UIC Distribution

ALT  I  II  III Approved by: Dg KCC WICHITA Date: 8/17/10

Operator Name: Hughes Drilling Company Lease Name: Smith Well #: 1-A  
 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 complete copy of all Electric Wire-line 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Upper Bartlesville</td> <td>456-461</td> <td></td> </tr> <tr> <td>Bartlesville</td> <td>474-479</td> <td></td> </tr> </table>	Name	Top	Datum	Upper Bartlesville	456-461		Bartlesville	474-479	
Name	Top	Datum								
Upper Bartlesville	456-461									
Bartlesville	474-479									

CASING RECORD <input checked="" type="checkbox"/> New <input 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"	8"	15#	24.3	portland	6	
Production	6 7/8"	4"	9.5#	475.35'	OWC	75	2% gel

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
Open Hole	474'-479'	fracture-1,000#	474-479

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>6/25/2010</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>50</b>
Gas-Oil Ratio		Gravity <b>24</b>	

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <b>474-479</b>
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**AUG 13 2010**  
**KCC WICHITA**



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 26924

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
5/26/10	3425	East Smith #1-A	SW 23	23	22	BB
CUSTOMER			TRUCK #			
Mailing Address			DRIVER			
CITY			TRUCK #			
STATE			DRIVER			
ZIP CODE			TRUCK #			
Wellsville			KS			
122 Main			66092			
			506 Fred			
			368 Ken			
			503 Tim			
			Safety Mfg			
			Peru			

JOB TYPE Log string HOLE SIZE 6 7/8 HOLE DEPTH 473' CASING SIZE & WEIGHT 4 1/2  
 CASING DEPTH 473' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 15'  
 DISPLACEMENT 7.5 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 BPM

REMARKS: Establish circulation thru 4 1/2" casing. Mix + Pump 100' Premium Gel Flush. Mix + Pump 4 BBL Red dye. Mix + Pump 75 SKS OWC cement. Displace 4 1/2" casing clean w/ 7.25 BBL Fresh water. Shut in casing.

Customer Supplied Water Fred Mader  
Hughes Drilling

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE Cement Pump		900 <sup>00</sup>
5406	55 mi	MILEAGE Pump Truck		195 <sup>25</sup>
5402	473'	Casing footage		N/C
5407	Minimum	Tax Miles		305 <sup>00</sup>
1126	75 SKS	OWC Cement		1237 <sup>50</sup>
1118B	100'	Premium Gel		17 <sup>00</sup>
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<u>WD 234431</u>				AUG 13 2010
				KCC WICHITA
				6.3%
SALES TAX				79 <sup>03</sup>
ESTIMATED TOTAL				2733 <sup>78</sup>

Revin 9797 AUTHORIZATION Clay Hyatt TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

# HUGHES DRILLING REPORT

Well No. 1-A Size 8"  
 Farm E. Smith Feet 24,30  
 Circulated 6 sx cement

PERMANENT CSG.  
 Size 4 1/2" open Hole  
 Feet 474'

T. D. at Completion 479  
 Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling Co.

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
21	clay	23
14	shale	37
3	Lime	40
32	shale	72
3	Lime	75
21	shale	96
10	lime	106
76	shale	182
12	lime	194
7	shale	201
6	Lime	207
42	shale	249
17	lime	266
7	shale	273
3	lime	276
104	shale	380
1	Lime	381
72	shale	453
8	sand	461
10	shale	471
2	Sdy shale	473
1	sand	474
4	sand	478
1	sand	479
		T.D.

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
5/24/10	0	2	soil	① 21.5-21.5
24'	2	23	clay	② 22.5-44.0
5/25/10	23	37	shale	③ 22.5-66.5
	37	40	lime	④ 22.5-89.0
6 7/8 pdc	40	72	shale (slate 60-61)	⑤ 22.5-111.5
Saddle	72	75	Lime	⑥ 22.5-134.0
	75	96	shale	⑦ 22.5-156.5
	96	106	lime	⑧ 22.5-179.0
	106	182	shale (slate 173-174)	⑨ 22.5-201.5
	182	194	lime (oil trace 182-186)	⑩ 22.5-224.0
	194	201	shale	⑪ 22.5-246.5
	201	207	lime	⑫ 22.5-269.0
	207	249	shale (slate 207-208)	⑬ 22.5-291.5
	249	266	lime (oil trace 257-258)	⑭ 22.5-314.0
	266	273	shale (slate 266-267)	⑮ 22.5-336.5
	273	276	lime	⑯ 22.5-359.0
	276	380	shale (slate 364-365)	⑰ 22.5-381.5
	380	381	lime	⑱ 22.5-404.0
	381	453	shale (slate 381-382)	⑲ 22.5-426.5
upper 8"	453	461	sand (slate 445-446)	⑳ 22.5-449.0
	461	471	shale	㉑ 22.5-471.5
	471	473	Sdy shale	
474'	473	474	sand Hard some bleeding	
4 1/2" sandstone	474	478	sand (bleeding oil)	
slate	478	479	sand (exc. bleeding)	
			T.D.	

5/24/10 - set 24,30' of 8" surface pipe  
 circulated 6 sx cement

5/26/10 - set 475, 35' of  
 4 1/2" pipe  
 Pipe set on top of  
 sand at 474'

Driller - Isaac Burbank, Clay Hughes

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# HUGHES DRILLING CO.

Wellsville, Kansas 66092

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

CORE TIME

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

LEASE Smith #1-A

FORMATION upper Bartlesville

DATE: 5/25/10

(RPM) \_\_\_\_\_

FROM	FEET TO	TIME	MINUTES	REMARKS	
453	454	chip sample		sand lamin, w/shale (some bleed)	
	455	"			
	456	"			
	457	"		Solid sand with some gray sand (bleeding oil)	
	458	"			
	459	"			
① 459	460	2:37:00-2:37:45	:45	Black sand with white sand (gas, water + some oil) specs	
② 460	461	2:38:30	:45		
③ 461	462	2:39:00	:30	Shale	
④ 462	463	2:40:00	1:00		
⑤ 463	464	2:40:45	:45		
⑥ 464	465	2:41:15	:30		
⑦ 465	466	2:42:30	1:15		
⑧ 466	467	2:43:15	:45		
⑨ 467	468	2:44:00	:45		
⑩ 468	469	2:45:00	1:00		
⑪ 469	470	2:46:15	1:15		very sandy shale
⑫ 470	471	2:47:15	1:00		
		Stop			

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