

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

Operator: License # 5682
 Name: Hughes Drilling Co.
 Address: 122 N. Main
 City/State/Zip: Wellsville, Ks. 66092
 Purchaser: Crude Marketing
 Operator Contact Person: Carl (Clay) Hughes
 Phone: (785) 883-2235
 Contractor: Name: company tools
 License: _____
 Wellsite Geologist: none
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, 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./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>6/25/04</u>	<u>6/30/04</u>	<u>8/10/04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 059-24,997-00-00
 County: Franklin
SE NE NW SE Sec. 7 Twp. 17 S. R. 21 East West
2150 feet from (S) / N (circle one) Line of Section
1500 feet from (E) / W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE (SE) NW SW
 Lease Name: South Hughes Well #: 8
 Field Name: Paola-Rantoul
 Producing Formation: Squirrel
 Elevation: Ground: na Kelly Bushing: _____
 Total Depth: 615 Plug Back Total Depth: 605
 Amount of Surface Pipe Set and Cemented at 25.65 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from 605
 feet depth to surface w/ 88 sx cmt.

Drilling Fluid Management Plan *Alt II KGR 3/4/08*
(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 No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

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.

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: 2-24-05
 Subscribed and sworn to before me this 24th day of February
2005.
 Notary Public: Brenda F. Vickers
 Date Commission Expires: 12-03-05



KCC Office Use ONLY

Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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Operator Name: Hughes Drilling Co. Lease Name: South Hughes Well #: 8
 Sec. 7 Twp. 17 S. R. 21 East West County: Franklin

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: Gamma Ray - Neutron	<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>Hertha</td> <td>233</td> <td>239</td> </tr> <tr> <td>#1 Squirrel</td> <td>512</td> <td>520</td> </tr> <tr> <td>#2 Squirrel</td> <td>562</td> <td>569</td> </tr> <tr> <td>#3 Squirrel</td> <td>581</td> <td>582</td> </tr> </table>	Name	Top	Datum	Hertha	233	239	#1 Squirrel	512	520	#2 Squirrel	562	569	#3 Squirrel	581	582
Name	Top	Datum														
Hertha	233	239														
#1 Squirrel	512	520														
#2 Squirrel	562	569														
#3 Squirrel	581	582														

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	12	7	15	25.65	portland	5	
production	5 1/2	2 7/8	7	605	50/50 poz	88	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
3	562-568	fracture-5 sx 20-40, 70 sx 12-20	562-568

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr. 8/12/04	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>
--------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	3	trace	1/2		32

Disposition of Gas Vented Sold Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other *(Specify)*

Production Interval 562-568

CONSOLIDATED OIL WELL SERVICES, INC.
 211 W. 14TH STREET, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8676

TICKET NUMBER **31685**
 LOCATION Ottawa
 FOREMAN Alan Mader

TREATMENT REPORT

DATE	CUSTOMER #	WELL NAME	FORMATION
6-30-04	3425	S Hughes	# 8
SECTION	TOWNSHIP	RANGE	COUNTY
7	17	21	FR
CUSTOMER			
Hughes Drilling			
MAILING ADDRESS			
122 Main			
CITY			
Wellsville			
STATE		ZIP CODE	
KS		66092	
TIME ARRIVED ON LOCATION			

TRUCK #	DRIVER	TRUCK #	DRIVER
386	A Mader		
164	H Bechtel		
144	L S Manis		

TYPE OF TREATMENT

<input type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input checked="" type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISP. PUMP	<input type="checkbox"/>
<input type="checkbox"/> OTHER	<input type="checkbox"/>

WELL DATA

HOLE SIZE	5 1/4"	PACKER DEPTH	
TOTAL DEPTH	620'	PERFORATIONS	
		SHOTS/FT	
CASING SIZE	2 7/8"	OPEN HOLE	
CASING DEPTH	608'		
CASING WEIGHT		TUBING SIZE	
CASING CONDITION		TUBING DEPTH	
	Pin @ 607'	TUBING WEIGHT	
		TUBING CONDITION	
TREATMENT VIA			

PRESSURE LIMITATIONS

	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTION PRIOR TO JOB Mixed & pumped 1sx gel to flush hole. Mixed & pumped 89sx 50/150ppg 290gel. Circulated cement. Flushed pump. Pumped 2 1/2 plugs to Pin. Well held 850 PSI for 30 min MIT.

AUTHORIZATION TO PROCEED

TITLE

DATE

Alan Mader

TIME AM / PM	STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
							BREAKDOWN PRESSURE
						200	DISPLACEMENT
						300	MIX PRESSURE
							MIN PRESSURE
						850	ISIP
						850	15 MIN.
						5.13PPM	MAX RATE
							MIN RATE

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op Hughes Drilling Co
HUGHES DRILLING REPORT

2150 FSL
 1500 FEL
 S.7, T.17S, R.21E
 FORMATION DRILLED
 API 15-059-24-997

Well No. 8 Size 8" SET IN PIPE PERMANENT CSG. TUBING
 Firm S.A.I. Hughes Feet 25.65 (5 sk cement) Size..... Size.....
 Water Streak @ Cond. good (cemen size) Feet..... Feet.....
 Water Level @ Top Sand Cond..... Cond.....
 T. D. at Completion.....
 Approved..... Contractor **HUGHES DRILLING CO.**

STRAITS THICKNESS	FORMATION DRILLED	T.O.
3	Soil	3
18	clay	21
31	shale	52
21	Lime	73
12	shale	85
2	Gr sand	87
15	shale	102
4	Lime	106
31	shale	137
11	Lime	148
19	shale	167
30'	26 Lime	193
7	shale	200
20'	22 Lime	222
4	shale	226
5	Lime	230
2	shale	233
Hertha	6 Lime	239
153	shale	392
8	Lime	400
50	shale	450
8	Lime	458
13	shale	471
3	Lime	474
11	shale	485
8	Lime	493
6	shale	499
1	Lime	500
2	shale	502
5	Lime	507
5	shale	512
#189	8 Gr. sand	520
33	shale	553
1	Lime	554
8	shale	562
#259	7 Oil sand	569
12	shale	581
#359	1 sand	582
33	shale	615
		TO

DATE	HOURS OF TOUR	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
6/25/04		0	3	Soil	①21.28.0
		3	21	clay	②22.5-43.5
25'		21	52	shale	③22.5-66.0
6/26/04		52	73	Lime	④22.5-88.5
		77	85	shale	⑤22.5-111.0
5 1/2" Button Bit		85	87	Gray sand (Hard)	⑥22.5-133.5
		87	102	shale	⑦22.5-156.0
		102	106	Lime	⑧22.5-178.5
		106	137	shale	⑨22.5-201.0
		137	148	Lime	⑩22.5-223.5
		148	167	shale (Lime 155-157)	⑪22.5-246.0
30'		167	193	Lime	⑫22.5-268.5
		193	200	shale (slate 195-196)	⑬22.5-292.0
222'	20'	200	222	Lime	⑭22.5-314.5
6/29/04		222	226	shale (slate 224-225)	⑮22.5-337.0
		226	230	Lime	⑯22.5-359.5
		230	233	shale	⑰22.5-382.0
Hertha		233	239	Lime (sand)	⑱22.5-404.5
Bit Trip	244	239	392	shale (Broken 244-248) 346	⑲22.5-427.0
Drag Bit		392	400	Lime (Broken Lime 377-379) 348	⑳22.5-449.5
		400	450	shale (sdy 410-H1&Y slate 412-413) 413	㉑22.5-471.0
		450	458	Lime	㉒22.5-494.5
		458	471	shale	㉓22.5-517.0
		471	474	Lime (Brown)	㉔22.5-539.5
		474	485	shale	㉕22.5-562.0
		485	493	Lime	㉖22.5-584.5
		493	499	shale	㉗22.5-607.0

6/25/04 - set 25.65' of 8" surface pipe
 5 sacks cement circulated to top

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HUGHES DRILLING CO.

Wellsville, Kansas 66092

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

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

CORE TIME
LEASE S. Hughes #8
FORMATION #1 Squirrel
DATE: 6-29-04

(RPM Shave Bit)

FROM	FEET TO	TIME	MINUTES	REMARKS
512	513	chip sample		
① 513	514	3:10:00 - 3:10:45	:45	Sand lamin. w/ shale (Bleeding Oil)
② 514	515	3:10:45 - 3:11:30	:45	
③ 515	516	3:11:30 - 3:12:30	1:00	
④ 516	517	3:12:30 - 3:13:30	1:00 ^{STOP} Add Joint	
⑤ 517	518	3:20:00 - 3:21:00	1:00	
⑥ 518	519	3:21:00 - 3:21:45	:45	
⑦ 519	520	3:21:45 - 3:22:15	:30	
⑧ 520	521	3:22:15 - 3:23:45	1:30	
⑨ 521	522	3:23:45 - 3:25:00	1:15	
⑩ 522	523	3:25:00 - 3:26:15	1:15	
⑪ 523	524	3:26:15 - 3:27:45	1:30	SHALE
⑫ 524	525	3:27:45 - 3:29:00	1:15	
⑬ 525	526	3:29:00 - 3:30:30	1:30	
⑭ 526	527	3:30:30 - 3:31:30	1:30	
⑮ 527	528	3:31:30 - 3:33:00	1:30	
⑯ 528	529	3:33:00 - 3:34:15	1:15	
⑰ 529	530	3:34:15 - 3:35:45	1:30	
⑱ 530	531	3:35:45 - 3:37:30	1:45	
⑲ 531	532	3: : - 3: :		
⑳ 532	533	3: : - 3: :		

Perf if Oil stays above #40 or after water flood is started cch

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HUGHES DRILLING CO.

Wellsville, Kansas 66092

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

CORE TIME

Ren 913-883-4655
Clay 913-883-4383

LEASE S Hughes #8
FORMATION 2nd + 3rd Squirrel
DATE: 6-30-04

(RPM Shave Bit)

794

FROM	FEET TO	TIME	MINUTES	REMARKS
	562	2" of Lima at 562		(Bleeding oil)
562	563	cy in sample		Solid sand
①	563	564	11:18:00-11:18:15	:15 } Solid sand (Bleeding oil)
②	564	565	11:18:15-11:18:45	:30 }
③	565	566	11:18:45-11:19:15	:30 (Bleeding)
④	566	567	11:19:15-11:20:00	:45 - sand slightly laminar w/shale
⑤	567	568	11:20:00-11:21:00	1:00 - sand very laminar w/shale
⑥	568	569	11:21:00-11:22:00	1:00 (Bleeding oil)
⑦	569	570	11:22:00-11:23:15	1:15
⑧	570	571	11:23:15-11:24:30	1:15
⑨	571	572	11:24:30-11:25:45	1:15
⑩	572	573	11:25:45-11:27:00	1:15
⑪	573	574	11:27:00-11:28:30	1:30
⑫	574	575	11:28:30-11:30:00	1:30
⑬	575	576	11:30:00-11:31:30	1:30
⑭	576	577	11:31:30-11:32:30	1:00
⑮	577	578	11:32:30-11:34:15	1:45
⑯	578	579	11:34:15-11:35:45	1:30
⑰	579	580	11:35:45-11:37:15	1:30
⑱	580	581	11:37:15-11:38:45	1:30
⑲	581	582	11:38:45-11:39:30	:45 - solid sand
⑳	582	583	11:39:30-11:40:30	1:00 - shale

shale

(Best Perf Zone)
562-568

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