

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL  
10/06/08

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5682  
Name: Hughes Drilling Co.  
Address: 122 N. Main  
City/State/Zip: Wellsville, Ks. 66092  
Purchaser: CMT  
Operator Contact Person: Carl (Clay) Hughes  
Phone: (785) 883-2235  
Contractor: Name: company tools  
License: 5682  
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>5/1/08</u>	<u>5/5/08</u>	<u>6/23/08</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 091-23204 - 0000  
County: Johnson  
C SW SE Sec. 36 Twp. 14 S. R. 21  East  West  
660 feet from S / N (circle one) Line of Section  
1980 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Braun Well #: 27  
Field Name: Gardner

Producing Formation: Bartlesville  
Elevation: Ground: na Kelly Bushing: \_\_\_\_\_  
Total Depth: 910 Plug Back Total Depth: 898  
Amount of Surface Pipe Set and Cemented at 25.15 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 898  
feet depth to surface w/ 144 sx cmt.

Drilling Fluid Management Plan AH II NW  
(Data must be collected from the Reserve Pit) 11-19-08  
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 E. Hughes  
Title: partner Date: 10/2/08  
Subscribed and sworn to before me this 2<sup>nd</sup> day of October,  
2008.  
Notary Public: Kim Skinner  
Date Commission Expires: 10-19-10

NOTARY PUBLIC  
STATE OF KANSAS  
KIM SKINNER  
My Appt. Exp. 10-19-10

KCC Office Use ONLY  
N Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
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OCT 06 2008

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Hughes Drilling Co. Lease Name: Braun Well #: 27  
 Sec. 36 Twp. 14 S. R. 21  East  West County: Johnson

**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 (Attach Additional Sheets)  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy)  List All E. Logs Run:  <b>Gamma Ray/Neutron</b>	<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>397</td> <td>404</td> </tr> <tr> <td>Bartlesville</td> <td>851</td> <td>859</td> </tr> </table>	Name	Top	Datum	Hertha	397	404	Bartlesville	851	859
Name	Top	Datum								
Hertha	397	404								
Bartlesville	851	859								

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	12.25	7"	16	25.15	portland	9	
production	5 5/8	2 7/8	7	898	50/50 poz	144	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 (Amount and Kind of Material Used)	Depth
3	22 perms-851'-858'-2" DML-RTG	fracture-5800# sand	851-858

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6/24/08 Date of First (Resumed) Production, SWD or Enhr.				CONSERVATION DIVISION WICHITA, KS
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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio
	3	trace	1	24

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval:  Other (Specify) \_\_\_\_\_

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*Handwritten:*  
 10/06/08

*Handwritten:* Including same as prod. casing (2 7/8")

CONSOLIDATED OIL WELL SERVICES, INC. CCC  
 P.O. BOX 884, CHANUTE, KS 66720  
 620-431-9210 OR 800-467-8676

TICKET NUMBER 16075  
 LOCATION Ottawa  
 FOREMAN Alan Mader

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-5-08	3425	Brown # 27	36	14	21	Jo
CUSTOMER Hughes Drilling			TRUCK #			
MAILING ADDRESS 122 Main			DRIVER			
CITY Wellsville			TRUCK #			
STATE KS			DRIVER			
ZIP CODE 66092			TRUCK #			
			DRIVER			

JOB TYPE long string HOLE SIZE 5 5/8 HOLE DEPTH 910 CASING SIZE & WEIGHT 2 7/8  
 CASING DEPTH 896 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING yes  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI 600 MIX PSI 220 RATE 4 bpm

REMARKS: Established rate. Mixed + pumped 100# gel to flush hole. Mixed + pumped 147 sx 50 150 pot, 29 gel. Circulated cement to surface. Flushed pump. Pumped 2 1/2 plug to pin @ 896 well held 800 PSI. Closed valve.

Customer supplied water.

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	875.00
5406	25	MILEAGE	368	8625
5402		casing footage	368	—
5407	min	ton mileage	237	300.00
1118B	345#	5x1		55.20
1124	144	50 150 pot		1339.20
4402	1	2 1/2 plug		21.00
			Sub	2676.6
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		6.4%	SALES TAX	90.58
			ESTIMATED TOTAL	2767.2

AUTHORIZATION Eric was there

TITLE 221852

DATE 08

Sec 36, Twp. 14, Rng. 21

Co., Kansas

660 FSL 1980 FEL

API# 15-091-23204

# HUGHES DRILLING REPORT

## SURFACE CASING

Well No. 27 Size 7"  
 Farm Brown Feet 25.15  
 Circulated 9 sx cement

## PERMANENT CSG.

Size 2 7/8" Rodupset  
 Feet 898

T. D. at Completion 910

Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling Co

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
21	Clay	23
22	Shale	45
24	Lime	69
8	Shale	77
9	Lime	86
5	Shale	91
19	Lime	110
28	Shale	138
23	Lime	161
27	Shale	188
12	Lime	200
21	Shale	221
9	Lime	230
10	Shale	240
11	Lime	251
18	Shale	269
9	Lime	278
7	Shale	285
6	Lime	291
42	Shale	333
24	Lime	357
8	Shale	365
24	Lime	389
2	Shale	391
3	Lime	394
3	Shale	397
7	Lime	404
17	Shale	579
3	Lime	582
13	Shale	595
8	Lime	603
17	Shale	620
2	Lime	625
12	Shale	634
10	Lime	644
4	Shale	648
4	Red Bed	652
6	Shale	658
2	Lime	660
51	Shale	711

DATE	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
	FROM	TO		
5/1/08	0	2	Soil	(1) 22.5-26.5
25	2	33	Clay	(2) 22.5-44.0
	23	45	Shale	(3) 22.5-66.5
5/13	45	69	Lime	(4) 22.5-99.0
6" Button	69	77	Shale	(5) 22.5-111.5
	77	86	Lime	(6) 22.5-134.0
	86	91	Shale	(7) 22.5-156.5
	91	110	Lime	(8) 22.5-179.0
	110	138	Shale (Red Bed 112-115)	(9) 22.5-201.5
	138	161	Lime	(10) 22.5-224.0
	161	188	Shale	(11) 22.5-246.5
	188	200	Lime	(12) 22.5-269.0
	200	221	Shale	(13) 22.5-291.5
	221	230	Lime	(14) 22.5-314.0
	230	240	Shale	(15) 22.5-336.5
	240	251	Lime	(16) 22.5-359.0
	251	269	Shale (Broken 264-269)	(17) 22.5-381.5
	269	278	Lime	(18) 22.5-404.0
	278	285	Shale	(19) 22.5-426.5
	285	291	Lime	(20) 22.5-449.0
	291	333	Shale (Lime 328-329)	(21) 22.5-471.5
30	333	357	Lime	(22) 22.5-494.0
	357	365	Shale (Slate 360-361)	(23) 22.5-516.5
20'	365	389	Lime	(24) 22.5-539.0
	389	391	Shale (Slate 390-391)	(25) 22.5-561.5
	391	394	Lime	(26) 22.5-584.0
	394	397	Shale	(27) 22.5-606.5

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 WICHITA, KS

Soc. \_\_\_\_\_, Twp. \_\_\_\_\_, Rng. \_\_\_\_\_  
 Co., Kansas

# HUGHES DRILLING REPORT

## SURFACE CASING

Well No. 27 Size 7"  
 Farm Brown Feet 25.15  
 Circulated 9 sx cement

## PERMANENT CSG.

Size 2 7/8" Rod upset  
 Feet 898'

T. D. at Completion 910

Contractor HUGHES DRILLING CO.

OPERATOR Hughes Drilling Co

FSL \_\_\_\_\_ FEL \_\_\_\_\_

API # \_\_\_\_\_

STRATA THICKNESS	FORMATION DRILLED	T.D.
1	Lime	712
46	Shale	758
2	Lime	760
80	Shale	840
5	Red Bed	845
6	Shale	851
8	Oil sand	859
51	Shale	910
		TO

DATE		DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
5/15/08	Hertus	397	404	Lime	(28) 22.5-628.0
4/14	Bit trap	404	579	shale (Broken 408-412)	(29) 22.5-651.5
	5 1/2"	579	582	Lime	(30) 22.5-674.0
5/19/08	Aug Bit	582	595	shale	(31) 22.5-696.5
		595	603	Lime	(32) 22.5-719.0
		603	620	shale	(33) 22.5-741.5
		620	627	Lime (Soft Brown)	(34) 22.5-764.0
		627	634	shale (Slate 625-627)	(35) 22.5-786.5
		634	644	Lime (Broken)	(36) 22.5-809.0
		644	648	Shale	(37) 22.5-831.5
		648	652	Red Bed	(38) 22.5-854.0
		652	658	shale	(39) 22.5-876.5
		658	660	Lime	(40) 22.5-899.0
		660	711	shale	
		711	712	Lime	
		712	758	shale (755-756 slate)	
		758	760	Lime	
		760	840	shale (BRK 778-799)	
		840	845	Red Bed	
		845	851	shale	
	Dunlesville	851	859	oil sand (remarks pg 3)	
		859	910	shale	
				TO	
5/15/08				set 898' of 2 7/8" Rod upset pipe	
				used 3 centralizers	
				Bolt in Bottom	

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 WICHITA, KS

# HUGHES DRILLING CO.

Wellsville, Kansas 66092

LA 3

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

CORE TIME

LEASE Brown # 27  
FORMATION Bartlesville  
DATE: 5/5/08

Eric  
Bob 913-883-4655  
Clay 913-883-4383

Chip Sample  
(BPM)

FROM FEET	TO	TIME	MINUTES	REMARKS
851	852	- sdy lime		(little bleeding)
852	853	} solid sand	852-856	(bleeding oil)
853	854			
854	855			
855	856			
856	857	- sand slightly lamin w/shale		(bleeding)
857	858	} sand very lamin w/shale	857-859	(bleeding)
858	859			
859	860	} shale		
860	861			
861	862			
				(Best Perf zone)
				<del>857-858</del> coh
				851-858 coh

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