

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

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: _____
Designate Type of Completion:
 New Well _____ Re-Entry _____ Workover
 Oil _____ SWD _____ SLOW _____ 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>9/29/05</u>	<u>10/4/05</u>	<u>10/19/05</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 091-23064 - 00-00
County: Johnson
NE SW SW NE Sec. 36 Twp. 14 S. R. 21 East West
3080 feet from (S) N (circle one) Line of Section
2330 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 #: 21

Field Name: Longanecker SE
Producing Formation: Bartlesville
Elevation: Ground: na Kelly Bushing: _____
Total Depth: 910 Plug Back Total Depth: 897
Amount of Surface Pipe Set and Cemented at 32.30 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 897
feet depth to surface w/ 118 sx cmt.

Drilling Fluid Management Plan Alt II MR
(Data must be collected from the Reserve Pit) 9-12-08
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____

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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: 1/6/06
Subscribed and sworn to before me this 6th day of January,
2006.
Notary Public: Brenda F. Vickers
Date Commission Expires: 12-03-09

NOTARY PUBLIC - State of Kansas
BRENDA F. VICKERS
My Appt. Exp. 12-03-09

KCC Office Use ONLY
NO Letter of Confidentiality Received
If Denied, Yes Date: _____
_____ Wireline Log Received
_____ Geologist Report Received
_____ UIC Distribution

Operator Name: Hughes Drilling Co. Lease Name: Braun Well #: 21
 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 Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 Hertha 404-410
 Bartlesville 857-866

List All E. Logs Run:
Gamm Ray- Neutron

CASING RECORD <input 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 5/8	7	12	32.30	portland	10	
production	5 5/8	2 7/8	7	897	50/50 poz	118	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	2" DML RTG 25 perfs 856-864	fracture-6000 lbs of sand	856-864

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TUBING RECORD		Size	Set At	Packer At	Liner Run
					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 11/20/05		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	Gravity
	1	trace	1		25

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

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

TICKET NUMBER 4921
 LOCATION Ottawa KS
 FOREMAN Fred Maden

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-4-05	3425	Brown # 21	36	14	21	JO
CUSTOMER Hughes Drilling			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 122 main			372	FREMAD		
CITY Wellsville			164	RICARD		
STATE KS			144	CASPER		
ZIP CODE 66092						

JOB TYPE long string HOLE SIZE 5 5/8 HOLE DEPTH 910' CASING SIZE & WEIGHT 2 3/8" EUE
 CASING DEPTH 897 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 2 1/2 Plus
 DISPLACEMENT 52B DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Establish Circulation Mix + Pump 100# Premium Gel
Flush Mix + Pump 120 SKS 50/50 Por Mix 270 Gel
 cement to surface. Flush pump clean. Displace
2 3/8" Rubber plug to casing T.D. w/ 52 BBL Fresh
water Pressure to 450. Shutting casing.
Fred Maden

Company Tools
own Lubric

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE Cement Pump	164	76.00
5406	30 mi	MILEAGE Pump Truck	164	4920.00
5407	Mileage	Ten Mileage	144	260.00
1124	118 SKS	50/50 Por mix Cement		890.00
1118B	6 SKS	Premium Gel		39.75
4402	1	2 3/8" Rubber Plug		17.00
		Sub Total		2082.65
		Tax @ 6.4%		60.66
				2123.34
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		SALES TAX ESTIMATED TOTAL		

AUTHORIZATION _____

TITLE WO# 200130

DATE _____

HUGHES DRILLING REPORT

OA - Hughes Drilling Co.

Well No. #21 Size 7" SET IN PIPE PERMANENT CSG. TUBING
 Farm Brown Feet 32.30 10.5x cement to surface Feet Feet
 Water Streak @ Cond. good Cond. Cond.
 Water Level @ Top Sand T. D. at Completion 910'
 Approved _____ Superintendent Contractor HUGHES DRILLING CO.

S. 36, T14S, R21e
 3080 FSL
 2330 FEL
 FORMATION DRILLED
 API# 15-091.23064

STRATA THICKNESS	FORMATION DRILLED	T.C.
2	Soil	2
31	clay	33
17	shale	50
23	Lime	73
8	shale	81
9	Lime	90
5	shale	95
18	Lime	113
11	shale	124
12	sand	136
4	shale	140
23	Lime	163
25	shale	188
12	Lime	200
28	shale	228
7	Lime	235
10	shale	245
11	Lime	256
16	shale	272
11	Lime	283
6	shale	289
7	Lime	296
42	shale	338
30'	24 Lime	362
	7 shale	369
20'	23 Lime	392
	4 shale	396
	4 Lime	400
	4 shale	404
	6 Lime	410
	170 shale	580
	6 Lime	586
	2 shale	588
	6 Lime	594
	5 shale	599
	7 Lime	606
	14 shale	620
	3 Lime	623
	10 shale	633
	8 Lime	641
	21 shale	662

DATE	HOURS OF TOUR	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
9/29/05		0	2	Soil	①21.0-21.0
32		2	33	clay	②22.5-43.5
9/30/05		33	50	shale	③22.5-66.0
5 1/2" Burton		50	73	Lime	④22.5-88.5
		73	81	shale	⑤22.5-111.0
		81	90	Lime	⑥22.5-133.5
		90	95	shale	⑦22.5-156.0
		95	113	Lime	⑧22.5-178.5
		113	124	shale	⑨22.5-201.0
		124	136	sand	⑩22.5-223.5
		136	140	shale	⑪22.5-246.0
		140	163	Lime	⑫22.5-268.5
177'		163	188	shale	⑬22.5-291.0
10/3		188	200	Lime	⑭22.5-313.5
		200	228	shale	⑮22.5-336.0
		228	235	Lime	⑯22.5-358.5
		235	245	shale	⑰22.5-381.0
		245	256	Lime	⑱22.5-403.5
		256	272	shale	⑲22.5-426.0
		272	283	Lime (Broken)	⑳22.5-448.5
		283	289	shale	㉑22.5-471.0
		289	296	Lime	㉒22.5-493.5
		296	338	shale (Lime 328-329)	㉓22.5-516.0
30'		338	362	Lime	㉔22.5-538.5
		362	369	shale (slate 366-367)	㉕22.5-561.0
20'		369	392	Lime	㉖22.5-583.5
		392	396	shale (slate 394-395)	㉗22.5-606.0

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9/29/05 - set 32.30' of 7" surface pipe
 circulated 10 sacks cement to surface

HUGHES DRILLING REPORT

Pg 2

Well No. **#21** Size.....
 Farm **BRAUN** Feet.....
 Water Streak @..... Cond.....
 Water Level @..... Top Sand.....
 Approved.....
 SET IN PIPE PERMANENT CSG. TUBING
 Size..... Size.....
 Feet..... Feet.....
 Cond..... Cond.....
 T. D. at Completion **910**
 Contractor **HUGHES DRILLING CO.**
 Superintendent

FORMATION DRILLED

STRATA THICKNESS	FORMATION DRILLED	T. D.
4	Lime	666
49	shale	715
1	Lime	716
10	shale	726
1	Lime	737
34	shale	761
3	Lime	764
79	shale	843
1	Lime	844
13	shale	857
9	Oil Sand	866
44	shale	910
		TD

DATE	HOURS OF TOUR	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
		396	400	Lime	(28) 22.5-628.5
		400	404	shale	(29) 22.5-651.0
		404	410	Lime	(30) 22.5-673.5
		410	580	shale (Bnk 414-417)	(31) 22.5-696.0
		580	586	Lime	(32) 22.5-718.5
		586	588	shale	(33) 22.5-741.0
		588	594	Lime	(34) 22.5-763.5
		594	599	shale	(35) 22.5-786.0
		599	606	Lime	(36) 22.5-808.5
		606	620	shale	(37) 22.5-831.0
		620	623	Lime (Brown)	(38) 22.5-853.5
		623	633	shale	(39) 22.5-876.0
		633	641	Lime	(40) 22.5-898.5
		641	662	shale	
		662	666	Lime	
		666	715	shale	
		715	716	Lime	
		716	726	shale	
		726	727	Lime	
		727	761	shale	
		761	764	Lime	
		764	843	shale	
		843	844	Lime	
		844	857	shale	
		857	866	Oil Sand (Remarks pg. 3)	
		866	910	shale	
			TD		

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10/1/05 - set 897' of 2 7/8" Badu set pipe
 used 3 centralizers
 Bolt in Bottom

HUGHES DRILLING CO.

Pg. 3

Wellsville, Kansas 66092

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

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

CORE TIME
LEASE Brown #21
FORMATION Bartlesville
DATE: 10-4-05

(RPM Chip Sample)

FROM	FEEET TO	TIME	MINUTES	REMARKS
① 857	858	- Sdy Lime		(Bleeding Oil)
② 858	859	- Solid Sand		(Bleeding Oil)
③ 859	860	} solid sand 859-861		(A few streaks of Sdy Lime) (Bleeding Oil)
④ 860	861			
⑤ 861	862	} sand lamina w/shale 861-864		(Bleeding Oil)
⑥ 862	863			
⑦ 863	864			
⑧ 864	865	} Sand very lamina w/shale		(Some Bleeding)
⑨ 865	866			
⑩ 866	867	- Shale		
				(Best Perf Zone 857-865) CCH

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