

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

COPY

Operator: License # 5682  
Name: HUGHES DRILLING CO.  
Address: 122 N. MAIN  
City/State/Zip: WELLSVILLE, KS. 66092  
Purchaser: Crude Marketing  
Operator Contact Person: Carl C. Hughes  
Phone: (785) 883-2235  
Contractor Name: HUGHES DRILLING CO.  
License: 5682

Wellsite Geologist: none

Designate Type of Completion:  
XX 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. \_\_\_\_\_

8/17/00 9/1/00 9/18/00

Spud Date or Date Reached TD Completion Date  
Recompletion Date Recompletion Date

API No. 15 - 091-22,914

County: JOHNSON

SE NE SW NE Sec. 36 Twp. 14 S. R. 21  East  West

3300 3279 feet from (S) / N (circle one) Line of Section

1630 1556 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 #: 14-I

Field Name: LONGANECKER

Producing Formation: BARTLESVILLE

Elevation: Ground: na Kelly Bushing: \_\_\_\_\_

Total Depth: 898 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 22.5 Feet

Multiple Stage Cementing Collar Used?  Yes  No

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

If Alternate II completion, cement circulated from 888

feet depth to surface w/ 97 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 No.: \_\_\_\_\_

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

County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

DEC 29 2000

CONSERVATION DIVISION  
WICHITA, KS

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

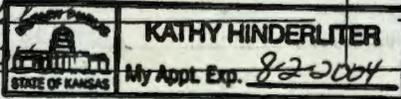
Title: partner Date: 12/27/00

Subscribed and sworn to before me this 27 day of December

2000

Notary Public: Kathy Hinderliter

Date Commission Expires: 8-2-2004



KCC Office Use ONLY

Letter of Confidentiality Attached

If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

KIC

Operator Name: HUGHES DRILLING CO. Lease Name: BRAUN Well #: 14-I  
 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)*

List All E. Logs Run:

**GAMMA RAY-NEUTRON**

Name	Formation (Top), Depth and Datum	
	Top	Datum
HERTHA	399	406
BARTLESVILLE	854	862

**CASING RECORD**  New  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	# Sacs Used	Type and Percent Additives
SURFACE	9 7/8	7"	15	22.5	portland	5	none
PRODUCTION	5 1/2	2 1/2	7	888	50/50poz	97	2% gel

**ADDITIONAL CEMENTING / SQUEEZE RECORD**

Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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	854-861	150gal. 15% HCL ACID	854-861

TUBING RECORD    Size    Set At    Packer At    Liner Run  Yes  No

Date of First Resumerd Production, SWD or Enhr. **applying for Enhr approval**

Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas    METHOD OF COMPLETION    Production Interval

Vented  Sold  Used on Lease *(If vented, Sumit AC 0-18.)*

Open Hole  Perforated  Quality Control  Commingled

Other (Specify)

ORIGINAL S 36 1 14 11-11  
 3300 1-32  
 1630 1-22

# HUGHES DRILLING REPORT

A. - Hughes Drilling

SET IN PIPE

PERMANENT CSG.

TUBING

Well No. 14-I Size 7" Size..... Size.....  
 Firm BRAUN Feet 22.50 55x Feet..... Feet.....  
 Water Streak @..... Cond new Cond..... Cond.....  
 Water Level @..... Top Sand..... T. D. at Completion 898  
 Approved..... Contractor HUGHES DRILLING CO.  
 Superintendent

FORMATION DRILLED  
 APZ 15-091-22,914

STRATA THICKNESS	FORMATION DRILLED	T. D.
2	Soil	2
26	clay	28
19	Shale	47
4	Lime	51
4	Gray sand	55
1	Shale	56
1	Gray sand	57
15	Lime	72
7	Shale	79
8	Lime	87
7	Shale	94
17	Lime	111
11	Shale	122
12	Gray sand	134
3	Shale	137
21	Lime	159
18	Shale	177
3	Lime	180
4	Shale	184
12	Lime	196
27	Shale	223
10	Lime	233
10	Shale	243
9	Lime	252
15	Shale	267
12	Shale	279
6	Shale	285
7	Lime	292
42	Shale	334
25	Lime	359
6	Shale	365
23	Lime	388
3	Shale	391
4	Lime	395
4	Shale	399
7	Lime	406
31	Shale	437
5	Gray Sand	442
135	Shale	577
5	Lime	582
15	Shale	597

DATE	HOURS OF TOUR	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
11/17	00	0	2	Soil	(1) 22.0-22.0
12	5:45 BIT	2	28	Clay	(2) 22.5-44.5
		28	47	Shale	(3) 22.5-67.0
		47	51	Lime	(4) 22.5-89.5
		51	55	Gray sand	(5) 22.5-112.0
		55	56	Shale	(6) 22.5-134.5
		56	57	Gray sand	(7) 22.5-157.0
		57	72	Lime	(8) 22.5-179.5
		72	79	Shale	(9) 22.5-202.0
		79	87	Lime	(10) 22.5-224.5
		87	94	Shale	(11) 22.5-247.0
		94	111	Lime	(12) 22.5-269.5
		111	122	Shale (Red Bed 114-116)	(13) 22.5-292.0
		122	134	Gray sand	(14) 22.5-314.5
		134	137	Shale	(15) 22.5-337.0
		137	159	Lime	(16) 22.5-359.5
		159	177	Shale (sandy 159-165)	(17) 22.5-382.0
		177	180	Lime	(18) 22.5-404.5
		180	184	Shale	(19) 22.5-427.0
		184	196	Lime	(20) 22.5-449.5
		196	223	Shale	(21) 22.5-472.0
		223	233	Lime	(22) 22.5-494.5
		233	243	Shale	(23) 22.5-517.0
		243	252	Lime	(24) 22.5-539.5
		252	267	Shale	(25) 22.5-562.0
		267	279	Lime	(26) 22.5-584.5
		279	285	Shale	(27) 22.5-607.0

ORIGINAL

# HUGHES DRILLING REPORT

Well No. 14-T Size..... Size.....  
 Farm. Brown Feet..... Feet.....  
 Water Streak @..... Cond..... Cond.....  
 Water Level @..... Top Sand.....  
 Approved.....  
 Superintendent.....

PERMANENT CSG. TUBING  
 Size..... Size.....  
 Feet..... Feet.....  
 Cond..... Cond.....  
 T. D. at Completion 810  
 Contractor **HUGHES DRILLING CO.**

## FORMATION DRILLED

STRATA THICKNESS	FORMATION DRILLED	T. D.
6	Lime	603
14	Shale	617
3	Brown Lime	620
14	Shale	634
10	Lime	644
5	Shale	649
8	Red Bed	657
5	Shale	662
2	Lime	664
48	Shale	712
1	Lime	713
11	Shale	724
1	Lime	725
12	Shale	737
2	Sandy shale	739
22	Shale	761
2	Lime	763
84	Shale	847
2	Red Bed	849
5	Shale	854
8	Oil Sand	862
36	Shale	898
		70

DATE	HOURS OF TOUR	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
		285	292	Lime	(28) 22.5-629.5
		292	334	Shale (Lime 323-325)	(29) 22.5-652.0
3/31/04	301	334	359	Lime	(30) 22.5-674.5
		359	365	Shale	(31) 22.5-697.9
	201	365	388	Lime	(32) 22.5-719.5
		388	391	Shale (Slate 390-391)	(33) 22.5-742.0
		391	395	Lime	(34) 22.5-764.5
		395	399	Shale	(35) 22.5-787.0
	(+)	399	406	Lime	(36) 22.5-809.5
rip	416 516 816 Bit	406	437	Shale (Broken Lime 411-414)	<del>(37) 22.5-832.0</del>
		437	442	Gray Sand	(37) 22.5-832.0
		442	577	Shale (Slate 559-560)	(38) 22.5-854.5
		577	582	Lime	(39) 22.5-877.0
		582	597	Shale (Lime 586-587)	
		597	603	Lime	
		603	617	Shale	
		617	620	Brown Lime	
		620	634	Shale	
		634	644	Lime	
		644	649	Shale	
		649	657	Red Bed	
		657	662	Shale (Lime 659-660)	
		662	664	Lime	
		664	712	Shale	
		712	713	Lime	
		713	724	Shale	
		724	725	Lime	

TD 741  
KD

JTS on Trailer 16



# HUGHES DRILLING CO.

(Pg. 4)

Wellsville, Kansas 66092

ORIGINAL

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

CORE TIME

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

LEASE Brown # 14-I

FORMATION Bartlesville

DATE: 9-1-00

(RPM chip sample)

FROM	FEET TO	TIME	MINUTES	REMARKS	
854	855	-	SDY LIMO Break	854	
855	856	}	solid sand	(bleeding oil)	
856	857				854 - 859
857	858				
858	859				
859	860	-	sand lamin. w/shale	(bleeding oil)	
860	861	}	sand very lamin. w/shale	(some bleeding oil)	
861	862				
862	863				
863	864	}	SHALE		
864	865				
(Best Perf zone)					
854 - <del>855</del> C.S.H.					
861					