

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: 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:
 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 or Recompletion Date

API No. 15 - 091-22,914-00-00
County: JOHNSON
SE . NE . SW . NE Sec. 36 Twp. 14 S. R. 21 East West
3300 feet from N (circle one) Line of Section
1630 feet from 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 Alt. #2 KGR 8/13/07
(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: _____
Operator License Name: _____ License No.: _____
County: _____ Sec. _____ Twp. _____ S. R. _____ East West
Docket No.: _____

DEC 29 2000
 CONSERVATION DIVISION
 WICHITA, KANSAS

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 Hinderlter
Date Commission Expires: 8-2-2004
KATHY HINDERLTER
My Appt. Exp. 8-2-2004

KCC Office Use ONLY

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

Operator Name: HUGHES DRILLING CO. Lease Name: BRAUN Well #: 14-I
 Sec 36 Twp 14 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 1/4	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				

PERFORATION RECORD - Bridge Plugs Set/Type
 Specify Footage of Each Interval Perforated

Shots Per Foot	Footage	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

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

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 ACO-18.)

Open Hole Perforated Quality Control Commingled

Other (Specify) PERFORATED

ORIGINAL

CONSOLIDATED INDUSTRIAL SERVICES, INC.
 211 W. 14TH STREET, CHANUTE, KS 66720
 316-431-9210 OR 800-467-8676

TICKET NUMBER **14211**
 LOCATION Ottawa
 FOREMAN Alan Mader

TREATMENT REPORT

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
9-1-00	3425	Braun #14-I		35	14	21	Jo	
CHARGE TO <u>Hughes Drilling</u>				OWNER				
MAILING ADDRESS <u>122 Main</u>				OPERATOR <u>Clay</u>				
CITY <u>Wellsville</u>				CONTRACTOR <u>Company Tool</u>				
STATE <u>KS</u>		ZIP CODE <u>66092</u>			DISTANCE TO LOCATION <u>35</u>			
TIME ARRIVED ON LOCATION <u>5:30</u>				TIME LEFT LOCATION <u>7:00</u>				

WELL DATA	
HOLE SIZE	<u>5 1/4</u>
TOTAL DEPTH	<u>898</u>
CASING SIZE	<u>2 7/8</u>
CASING DEPTH	<u>888</u>
CASING WEIGHT	
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

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"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

PRESSURE LIMITATIONS		
	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTIONS PRIOR TO JOB

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Established circulation. Mixed + pumped 29x gel followed by app 10 bbl clean water. Mixed + pumped 97.5x 50/50 po2 idro gel. Flushed pump clean. Pumped 2 1/2 rubber plug to TD of casing. Well held 800 PSI for 30 min MIT. Closed valve.

Alan Mader

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psi
FINAL DISPLACEMENT	psi
ANNULUS	psi
MAXIMUM	psi
MINIMUM	psi
AVERAGE	psi
ISIP	psi
5 MIN SIP	psi
15 MIN SIP	psi

TREATMENT RATE	
BREAKDOWN BPM	
INITIAL BPM	
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	
AVERAGE BPM	
HYD HHP = RATE X PRESSURE X 40.8	

AUTHORIZATION TO PROCEED _____ TITLE _____ DATE _____

TERMS

In consideration of the prices to be charged for our services, equipment and products as set forth in Consolidated Industrial Services, Inc's (CIS) current Price Schedule, and for the performance of services and supplying of materials; customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices payable to P.O. Box 884, Chanute, KS 66720. Invoices payable within 30 days of invoice date. Charges subjected to interest after 30 days from invoice date. Interest will be charged at Maximum rate allowed by law. In the event it is necessary to employ an attorney to enforce collection of such account, customer agrees pay all collection costs and attorney's fees in the amount of 20% of said amount.

Any applicable federal, state or local sales, use, occupation, consumer's or emergency taxes shall be added to the quoted price.

A sales tax reimbursement of 2% is applied to chemical and product charges for all services performed on oil and gas wells in the State of Texas.

All process license fees required to be paid to others will be added to the scheduled prices.

All prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by CIS.

"The customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the customer shall be present to specify depths, pressures, or materials used for any service which is to be performed."

- (a) CIS shall not be responsible for, and customer shall secure CIS against any liability for damage to property of customer and of the well owner (if different from customer), unless caused by the willful misconduct or gross negligence of CIS, this provision applying to but not limited to sub-surface damage and surface damage arising from subsurface damage.
- (b) Customer shall be responsible for and secure CIS against any liability for reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct of gross negligence of CIS.

- (c) Customer shall be responsible for and secure CIS against any and all liability of whatsoever nature for damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by CIS hereunder.
- (d) Customer shall be responsible for and secure CIS against any liability for injury to or death of persons, other than employees of CIS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of CIS.
- (e) CIS makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or services.
- (f) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, CIS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by CIS. CIS personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but customer agrees that CIS shall not be responsible for any damage arising from the use of such information except where due to CIS gross negligence or willful misconduct in the preparation or furnishing of it.

WARRANTIES – LIMITATION OF LIABILITY

IS warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OR MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. CIS's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to CIS or, at CIS's option, to the allowance to the customer of credit for the cost of such items. In no event, shall CIS be liable for special, incidental, indirect, punitive or consequential damages.

CIS personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that CIS shall not be liable for and CUSTOMER SHALL INDEMNIFY AGAINST ANY DAMAGED ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed by the CIS negligence or fault.

HUGHES DRILLING REPORT

P. - Hughes Drilling

SET IN PIPE

PERMANENT CSG.

TUBING

FORMATION DRILLED
APR 15-09-22, 914

Well No. 14-I Size 7" Size..... Size.....
 Farm BRAWN Feet 22.50 55x Feet..... Feet.....
 Water Streak @ Cond. new Cond..... Cond.....
 Water Level @ Top Sand T. D. at Completion 298
 Approved..... Contractor **HUGHES DRILLING CO.**

STRATA THICKNESS	FORMATION DRILLED	T.O.
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		
3/17/00	00	0	2	Soil	(1) 22.0-22.0
22	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

HUGHES DRILLING REPORT

ORIGINAL Pg 2

Well No. 14-I Size.....
 Farm Brown Feet.....
 Water Streak @..... Cond.....
 Water Level @..... Top Sand.....
 Approved..... Superintendent.....
 SET IN PIPE 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
		T. D.

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) 22.5-652.9
9/31/04	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
Bit Trip	416	406	437	Shale (Broken Lime 411-414)	(37) 22.5-832.0
	516	437	442	Gray Sand	(38) 22.5-854.5
	516	442	577	Shale (Slate 559-560)	(39) 22.5-877.0
		577	582	Lime	
		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-T

FORMATION Bartlesville

DATE: 9-1-00

(RPM chip sample)

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