

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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: 1222N. MAIN  
City/State/Zip: WELLSVILLE, KS. 66092  
Purchaser: CMI  
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. \_\_\_\_\_

11/28/00 12/1/00 delayed  
Spud Date or \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date or \_\_\_\_\_  
Recompletion Date \_\_\_\_\_ Recompletion Date \_\_\_\_\_

API No. 15 - 059-24892-0000  
County: FRANKLIN  
NW NESW SE Sec. 6 Twp. 17 S. R. 21  East  West  
~~1100~~ 1100 feet from S / N (circle one) Line of Section  
1920 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: North Hughes Well #: 2  
Field Name: ~~XXXXXXXXXXXX~~ Paola-Rantoul

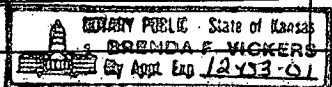
Producing Formation: Squirrel  
Elevation: Ground: na Kelly Bushing: \_\_\_\_\_  
Total Depth: 695 Plug Back Total Depth: 688  
Amount of Surface Pipe Set and Cemented at 20 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 688  
feet depth to surface w/ 89 sx cmt.

Drilling Fluid Management Plan alt. II KGR 1/4/08  
(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: 3/28/01  
Subscribed and sworn to before me this 28th day of March  
2001  
Notary Public: Brenda J. Vickers  
Date Commission Expires: 12-03-01



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: North Hughes Well #: 2  
 Sec. 6 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: <u>GAMMA RAY-NEUTRON</u>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Datum</th> </tr> </thead> <tbody> <tr> <td>HERTHA</td> <td>311</td> <td>315</td> </tr> <tr> <td>#1 Squirrel</td> <td>586</td> <td>593</td> </tr> <tr> <td>#2 Squirrel</td> <td>640</td> <td>648</td> </tr> <tr> <td>#3 Squirrel</td> <td>654</td> <td>659</td> </tr> </tbody> </table>	Name	Top	Datum	HERTHA	311	315	#1 Squirrel	586	593	#2 Squirrel	640	648	#3 Squirrel	654	659
Name	Top	Datum														
HERTHA	311	315														
#1 Squirrel	586	593														
#2 Squirrel	640	648														
#3 Squirrel	654	659														

CASING RECORD <input checked="" 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	9 7/8	7	18	20	portland	5	none
production	5 1/4	2 1/2	7	688	50/50poz	89	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
	(delayed Completion)		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>delayed completion</u>		Producing Method <input type="checkbox"/> Flowing <input 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

Disposition of Gas **METHOD OF COMPLETION** Production Interval

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
*(If vented, Sumit ACO-18.)*  Other (Specify) \_\_\_\_\_

# ORIGINAL

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

TICKET NUMBER **14277**  
LOCATION *Ottawa Le*  
FOREMAN *Alan Mader*

### TREATMENT REPORT

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
12-7-00	3925	N. Hughes #2		6	17	21	FR	
CHARGE TO <i>Hughes Drilling</i>				OWNER				
MAILING ADDRESS <i>122 Main</i>				OPERATOR <i>Clay Hughes</i>				
CITY <i>Wellsville,</i>				CONTRACTOR <i>Company Tool</i>				
STATE <i>Ks.</i> ZIP CODE <i>66092</i>				DISTANCE TO LOCATION <i>15</i>				
TIME ARRIVED ON LOCATION				TIME LEFT LOCATION				

WELL DATA	
HOLE SIZE	<i>5 1/4"</i>
TOTAL DEPTH	<i>695'</i>
CASING SIZE	<i>2 1/8"</i>
CASING DEPTH	<i>688' pin 686'</i>
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  
*Cement One Well*

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS *Establish circulation, Mixed and pump 250 gal followed by app 5 bbls clean water. Mixed and pump 89.5K 50 gpm for 270 gal. Circulated cement to surface. Pump 2 1/2" rubber plug to pin at 686 with clean water. Well held 600 # PSI Close Valve.*

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 ORIGINAL

56, T17, R21  
1100 FSL  
1920 FCL

Well No. 2 Size 7" Size \_\_\_\_\_ Size \_\_\_\_\_  
 Farm North Hughes Feet 20' Feet \_\_\_\_\_ Feet \_\_\_\_\_  
 Water Streak @ \_\_\_\_\_ Cond. new Cond. \_\_\_\_\_ Cond. \_\_\_\_\_  
 Water Level @ \_\_\_\_\_ Top Sand \_\_\_\_\_ T.D. at Completion 695  
 Approved \_\_\_\_\_ Contractor HUGHES DRILLING CO.  
 Superintendent \_\_\_\_\_

FORMATION DRILLED  
API-15-059-24,852

STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2
11	clay	13
6	shale	19
17	Lime	36
95	shale	131
20	Lime	151
23	Shale	174
4	Lime	178
39	shale	217
10	Lime	227
19	shale	246
30'	27 Lime	273
	5 shale	278
20'	22 Lime	300
	4 shale	304
	5 Lime	309
	2 shale	311
Hertha	4 Lime	315
	27 shale	342
	5 sand	347
	80 shale	427
	4 sand	431
	37 shale	468
	8 lime	476
	2 shale	478
	2 Lime	480
	10 shale	490
	3 Lime	493
	34 shale	527
	3 Lime	530
	15 shale	545
	4 Lime	549
	8 shale	557
	2 lime	559
	15 shale	574
	2 Lime	576
	2 shale	578
	4 Lime	582
	4 shale	586
#1 Sq.	7 Oil Sand	593
	33 shale	626

DATE	HOURS OF HOUR	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
12/4/00		0	2	Soil	1 22.0-22.0
		2	13	clay	2 22.5-44.5
		13	19	shale	3 22.5-67.0
20'		19	36	Lime	4 22.5-89.5
12/5		36	131	shale (sdy 41-57)	5 22.5-112
5/4 bottom		131	151	Lime	6 22.5-134.5
		151	174	shale	7 22.5-157.0
		174	178	Lime	8 22.5-179.5
		178	217	shale	9 22.5-202.0
		217	227	Lime	10 22.5-224.5
		227	246	shale (Lime 230-231)	11 22.5-247.0
30'		246	273	Lime	12 22.5-269.5
		273	278	shale (slate 275-276)	13 22.5-292.0
20'		278	300	Lime	14 22.5-314.5
		300	304	shale (slate 303-304)	15 22.5-337.0
		304	309	Lime	16 22.5-359.5
		309	311	shale	17 22.5-382.0
"Hertha"		311	315	Lime	18 22.5-404.5
30' 3" fine Drilling Air		315	342	shale (BRK Lime 320-323)	19 22.5-427.0
Knobtown		342	347	Gray Sand (odon)	20 22.5-449.5
		347	427	shale	21 22.5-472.0
		427	431	Gray Sand	22 22.5-494.5
		431	468	shale	23 22.5-517.0
		468	476	Lime	24 22.5-539.5
		476	478	shale	25 22.5-562.0
		478	480	Lime	26 22.5-584.5
		480	490	shale	27 22.5-607.0

KD  
Jts

# HUGHES DRILLING REPORT

ORIGINAL <sup>1 P5 L</sup>

Well No. 2      Size .....  
 Farm N. Hughes      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 695'  
 Contractor HUGHES DRILLING CO.

STRATA THICKNESS	FORMATION DRILLED	T. D.
1	Lime	627
10	shale	637
1	Lime	638
2	shale	640
#2 sq. 8	Oil Sand	648
6	shale	654
#3 sq. 5	Oil Sand	659
22	shale	681
3	Lime	684
8	shale	692
1	Lime	693
2	shale	695
		TO

DATE	HOURS OF FOUR	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
		490	493	Lime	28 22.5-629.5
		493	527	shale	29 22.5-652.0
		527	530	Lime	30 22.5-674.5
		530	545	shale	
		545	549	Lime	
		549	557	shale	
		557	559	Lime	
		559	574	shale	
		574	576	Lime	
		576	578	shale	
		578	582	Lime (bleeding Oil 578-581) (Hand 579-580)	581-582
		582	586	shale	
#1 sq.		586	593	Oil sand - Core Remarks, pg. 3	
		593	626	shale	
640'		626	627	Lime	
12/6/00		627	637	shale	
		637	638	Lime	
		638	640	shale	
#2 Squimed		640	648	Oil sand	
		648	654	shale	} Core Remarks, pg. 4
#3 Squimed		654	659	Oil sand	
		659	681	shale	
		681	684	Lime	
		684	692	shale	
		692	693	Lime	
		693	695	shale (slate 694-695 gas bubbles)	
			TO		

12/7/00  
 SET 688.35' OF  
 2 1/2" 2nd use set pipe  
 used 3 centralizers  
 Bolt in bottom

START CORE 641  
 NO 11'  
 20 JTS LEFT

325



