

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 5056  
Name: F. G. Holl Company  
Address 6427 E. Kellogg  
P.O. Box 780167  
City/State/Zip Wichita, Ks. 67278-0167  
Purchaser: Clear Creek  
Operator Contact Person: Elwyn H. Nagel  
Phone (316) 684-8481  
Contractor: Name: Sterling Drilling Co.  
License: 5142  
Wellsite Geologist: Brent Reinhardt

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

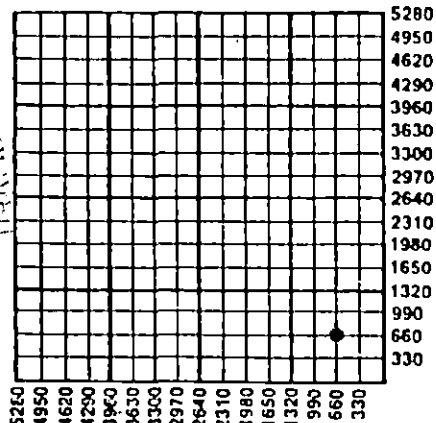
If **OWWO**: old well info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
3/29/90 4/5/90 4/27/90  
Spud Date Date Reached TD Completion Date

API NO. 15- 047-21,352-0000  
County Edwards  
C SE SE Sec. 6 Twp. 24 Rge. 17  East West  
660 Ft. North from Southeast Corner of Section  
660 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)  
Lease Name Cross Well # 2-6  
Field Name Massey West  
Producing Formation Cherokee/Mississippi  
Elevation: Ground 2115 KB 2124  
Total Depth 4546 PBTD 4501

CONSERVATION DIVISION  
Wichita, Kansas

JUN 7 1990



Amount of Surface Pipe Set and Cemented at 319' KB Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**INSTRUCTIONS:** This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Elwyn H. Nagel  
Title Elwyn H. Nagel, Manager Date 6/26/90  
Subscribed and sworn to before me this 26th day of June, 1990.  
Notary Public V. Jean Feil  
Date Commission Expires \_\_\_\_\_

V. JEAN FEIL  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 8-31-93

ORIGINAL

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

pl

**SIDE TWO**

Operator Name F. G. Holl Company Lease Name Cross Well # 2-6  
 Sec. 6 Twp. 24 Rge. 17  East County Edwards  
 West

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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.)

See attached page.

Name	Formation Description	
	Top	Bottom
Heebner	3755	(-1631)
Brown Lime	3876	(-1752)
Lansing	3885	(-1761)
Base K.C.	4177	(-2053)
Cherokee Shale	4325	(-2201)
Cherokee Sand	4347	(-2223)
Mississippi	4371	(-2247)
Kinderhook Shale	4411	(-2287)
Kinderhook Sand	4424	(-2300)
Viola	4458	(-2334)

**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	# Sacks Used	Type and Percent Additives
SURFACE (New)		8 5/8"	24#	319'	60/40 Poz	225	2%gel, 3%cc
PRODUCTION (New & Used)		4 1/2"	10, 5#	4547'	LITE	100	
					50/50 Poz	125	

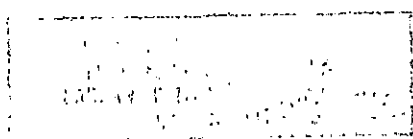
Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 SPF	4353 - 4362	Treated each foot w/1 bbl. 15% DSFE	
4 SPF	4371 - 4378	Frac w/54,000 gal. X-link gel	
		360 sx 20/40 sand and 360 sx	
		12/26 sand.	

**TUBING RECORD** Size 2" Set At 4315' Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production 5/3/90 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	11	0	110		

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
**METHOD OF COMPLETION**  Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_  
 Production Interval: 4353-4362  
4371-4378



F. G. HOLL COMPANY

6427 EAST KELLOGG - P.O. BOX 780167  
WICHITA, KS 67278-0167

CROSS 2-6

DST #1: 4326 to 4370 Cherokee  
30-60-60-90  
IFP 68/66:30 ISIP 1324:60 FFP 65/62:60 FSIP 1335:90  
IHP 2209 FHP 2208 BHT NA  
1st Flow: Strong blow gas to surface in 16 minutes,  
20 min, 89.8 MCF  
25 " 80.3 "  
30 " 69.5 "  
2nd Flow: Strong blow,  
10 min, 82.5 MCF  
20 " 89.8 "  
30 " 89.8 "  
40 " 89.8 "  
50 " 92.0 "  
60 " 92.0 "  
Recovered 120 feet of gassy mud,

DST #2: 4389 to 4400 Mississippi  
30-60-30-60  
IFP 40/35:30 ISIP 944:60 FFP 798/1195:30 FSIP 1095:60  
IHP 2219 FHP 2191 BHT 112<sup>0</sup>  
1st Flow: Weak blow built to 1 1/2 inches into the water,  
2nd Flow: Weak blow for 3 minutes and died.  
Recovered 60 feet of slightly oil spotted mud,

RECEIVED  
STATE CONSERVATION COMMISSION  
JUN 27 1990  
CONSERVATION DIVISION  
Wichita Kansas

ORIGINAL



-4217

CUSTOMER INVOICE 03/29/90

DIRECT BILLING INQUIRIES TO: 713-895-5821	TERMS NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: B.J. SERVICES P.O. BOX 100906 HOUSTON, TX 77212
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PAGE 1	INVOICE NO. REOPD
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F. G. HOLL  
P.O. BOX 780167  
WICHITA

KS 67278

AUTHORIZED BY 609216
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PURCH. ORDER REF. NO.
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WELL NUMBER : 2-6

CUSTOMER NUMBER : 08525003

LEASE NAME AND NUMBER CROSS	STATE 14	COUNTY/PARISH	CITY	DISTRICT NAME GREAT BEND	DISTR. NO. 3310
JOB LOCATION/FIELD STERLING DRLG	MTA	DISTRICT	DATE OF JOB 03/29/90	TYPE OF SERVICE LAND-CONDUCTOR/SURFACE	

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	UM	EXTENDED PRICE
10100315	1.00	CEMENTING CASING 1500 TO 3000 FT.			
10109005	80.00	MILEAGE CHRG. FROM NEAREST BASE OF			
10410504	135.00	CLASS "A" CEMENT		CF	
10415018	90.00	DIAMIX F		CF	
10415049	581.00	A-7-P. CALCIUM CHLORIDE PELLETS		LB	
10420149	4.00	BJ-TITAN GEL, BENTONITE, BULK SALES		CW	
10880085	225.00	MIXING CUSTOMERS MATERIALS, PER CUB			
10940101	406.40	DRAYAGE, PER TON MILE			
10431036	1.00	8-5/8" TOP WOOD PLUG		EA	
10100310	20.00	PLUS PER FOOT BELOW 300 FT.			
			SUBTOTAL		
			DISCOUNT		

ACCOUNT	4.25000% STATE TAX 1.00000% COUNTY TAX	STATE COMMISSION JUN 27 1990 CONSERVATION DIVISION Wichita, Kansas	ORIGINAL
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TAX EXEMPTION STATUS	PAY THIS AMOUNT
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ORIGINAL

INVOICE DATE  
04/05/90

DIRECT BILLING INQUIRIES TO: 713-895-5821	TERMS NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: B.J. SERVICES P.O. BOX 100806 HOUSTON, TX 77212
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PAGE 1	INVOICE NO. RK087
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F. G. HOLL  
P.O. BOX 780167  
WICHITA

KS 67278

APR 24 1990

AUTHORIZED BY 609220
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PURCH. ORDER REF. NO.
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WELL NUMBER : 2-6

CUSTOMER NUMBER : 08525003

LEASE NAME AND NUMBER CROSS	STATE 15	COUNTY/PARISH	CITY	DISTRICT NAME GREAT BEND	DISTR. NO. 3310
JOB LOCATION/FIELD	MTA DISTRICT	DATE OF JOB 04/05/90	TYPE OF SERVICE LAND-LONG STRING/PRODUCT		

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10100320	1.00	CEMENTING CASING 3001 TO 5000 FT.			
10100325	15.47	PLUS PER 100 FT. BELOW 3000 FT.			
10109005	80.00	MILEAGE CHRG, FROM NEAREST BASE OF			
10410504	62.50	CLASS "A" CEMENT		CF	
10415018	62.50	DIAMIX F		CF	
10420145	3.00	BJ-TITAN GEL, BENTONITE, BULK SALES		CW	
10415005	100.00	LITE		CF	
10415038	18.00	A-5 SALT		CW	
10415080	6.25	GILSONITE		CW	
10422005	31.00	CELLO FLAKE,		GL	
10424005	79.00	CD-31		LB	
10424520	18.00	FP-6		LB	
10425010	500.00	MUD-SWEEP, WITH BJ-TITAN PUMPING EQ		GL	
10430508	1.00	4-1/2" TOP RUBBER PLUG		EA	
10880085	225.00	MIXING CUSTOMERS MATERIALS, PER CUB			
10940101	436.00	DRAYAGE, PER TON MILE			

ACCOUNT
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RECEIVED  
STATE OF KANSAS COMMISSION  
JUN 27 1990  
CONSERVATION DIVISION  
Wichita Kansas

ORIGINAL

TAX EXEMPTION STATUS:
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