

SIDE ONE

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

API NO. 15- 151-21976 - 00 - 00

Operator: License # 5056

County Pratt
C E/2 NE NW Sec. 29 Twp. 29S Rge. 12 East West

Name: F. G. Holl Company

4620 Ft. North from Southeast Corner of Section

Address 6427 E. Kellogg

2970 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

P.O. Box 780167

Lease Name Hirt 'A' Well # 1-29

City/State/Zip Wichita, Ks. 67278-0167

Field Name Hirt

Purchaser: None

Producing Formation Mississippi

Operator Contact Person: Elwyn H. Nagel

Elevation: Ground 1903 KB 1912

Phone (316) 684-8481

Total Depth 4770 PBTD 4734

Contractor: Name: Sterling Drilling Company

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.)

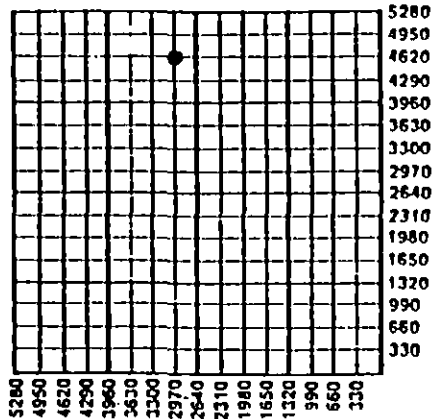
If OWO: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

1-15-90 1-24-90 2-24-90
Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 332' 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 5/11/90

Subscribed and sworn to before me this 11th day of May, 19 90.

Notary Public V. Jean Feil

Commission Expires _____

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

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

RECEIVED
MAY 11 1990
OS-11-90

Form ACO-1 (7-89)
ORIGINAL

PI
X

Operator Name F. G. Holl Company Lease Name Hirt 'A' Well # 1-29

Sec. 29 Twp. 29 Rge. 12 East West
 County Pratt

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.

Formation Description

Log Sample

Name Top Bottom

See attached page

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		8 5/8"	23#	332'	60/40 Poz	250	2%gel, 3%cc
PRODUCTION		4 1/2"	10.5#	4759'	Light Standard	100 125	

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	4376 - 4388 Mississippi	Acidized w/500 gal 15% DSFE and 60 balls. Frac w/2600 gal x-link gel w/120 sx 20/40 sand & 90 sx 12/20 sand.	

TUBING RECORD Size 2" Set At 4383' Packer At _____ Liner Run Yes No

Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____
 None - Temp. Abd.

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

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 _____

ORIGINAL

F. G. HOLL COMPANY

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

HIRT 'A' 1-29

- DST #1: 2799 to 2830 Indian Cave
30-30-30-30
IFP 79/79:30 ISIP 103:30 FFP 84/82:30 FSIP 107:30
IHP 1316 FHP 1302 BHT 96°
1st Flow: Weak blow built to 2 inches into the water
2nd Flow: Weak blow built to 2 1/2 inches into the water.
Recovered 70 feet of drilling mud.
- DST #2: 4290 to 4340 Marmaton
30-30-30-30
IFP 48/47:30 ISIP 47:30 FFP 46/46:30 FSIP 47:30
IHP 2174 FHP 2112 BHT 109°
1st Flow: Weak blow for 7 minutes and died,
2nd Flow: No blow.
Recovered 5 feet of drilling mud show of oil in the tool.
- DST #3: 4344 to 4384 Mississippi
30-60-60-90
IFP 53/51:30 ISIP 69:60 FFP 57/55:60 FSIP 218:90
IHP 2217 FHP 2126 BHT 110°
1st Flow: Weak blow built to 3 1/2 inches into the water.
2nd Flow: Weak blow built to 3 inches into the water,
Recovered 300 feet of gas in the pipe & 30 feet of gas cut mud,
- DST #4: 4499 to 4512 Viola
30-60-60-90
IFP 41/37:30 ISIP 44:60 FFP 38/34:60 FSIP 144:90
IHP 2310 FHP 2234 BHT 109°
1st Flow: Weak blow built to 4 1/2 inches into the water,
2nd Flow: Weak blow built to 1 1/2 inches into the water,
Recovered 400 feet of gas in the pipe.
Recovered 2 feet of mud with a show of oil in the anchor.

Heebner	3724 (-1812)
Douglas Shale	3765 (-1853)
Douglas SS	3783 (-1871)
Brown Lime	3902 (-1990)
Lansing	3918 (-2006)
BKC	4305 (-2393)
Conglomerate	4353 (-2441)
Mississippi	4376 (-2464)
Kinderhook Lst.	4386 (-2474)
Viola	4507 (-2595)
Simpson Shale	4611 (-2699)
Arbuckle	4725 (-2813)

CONSERVATION DIVISION
Wichita, Kansas

MAY 9 1990

RECEIVED
MAY 9 1990

ORIGINAL
INVOICE

INVOICE



A DIVISION OF HALLIBURTON COMPANY

P.O. BOX 951046
DALLAS, TX 75395-1046

JAN 24 1990

INVOICE NO. DATE

851649 01/15/1990

WELL LEASE NO. WELL LOCATION STATE WELL OWNER

WELL LEASE NO. W-1-29 WELL LOCATION PRATT STATE KS WELL OWNER SAME

SERVICE LOCATION CONTRACTOR JOB PURPOSE TICKET DATE

PRATT STERLING DRLG CEMENT SURFACE CASING 01/15/1990

ACCT. NO. CUSTOMER AGENT VENDOR NO. CUSTOMER P.O. NUMBER SHIPPED VIA FILE NO.

92900 V L THOMPSON COMPANY TRUCK 88975

DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

F G HOLL
P O BOX 158
BELPRE, KS 67519

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	TRICING AREA - MID CONTINENT MILEAGE	17	MI		
		1	UNT		
001-016	CEMENTING CASING	333	FT		
		1	UNT		
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	8 5/8	IN		
		1	EA		
504-308	STANDARD CEMENT	150	SK		
506-105	POZMIX A	100	SK		
506-121	HALLIBURTON-GEL 2X	4	SK		
509-406	ANHYDROUS CALCIUM CHLORIDE	7	SK		
500-207	BULK SERVICE CHARGE	264	CFT		
500-306	MILEAGE CMTG MAT DEL OR RETURN	191.17	TMI		
INVOICE SUBTOTAL					
DISCOUNT-(BID)					
INVOICE BID AMOUNT					
*-KANSAS STATE SALES TAX					
*-PRATT COUNTY SALES TAX					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					

CONSERVATION DIVISION
Wichita, Kansas
MAY 11 1990
RECEIVED
STATE COMMISSION

JAN 24 1990
RECEIVED

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TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

ORIGINAL
INVOICE
INVOICE



A DIVISION OF HALLIBURTON COMPANY

P.O. BOX 951046
DALLAS, TX 75395-1046

FEB 3 1990

INVOICE NO.	DATE
851519	01/24/1990

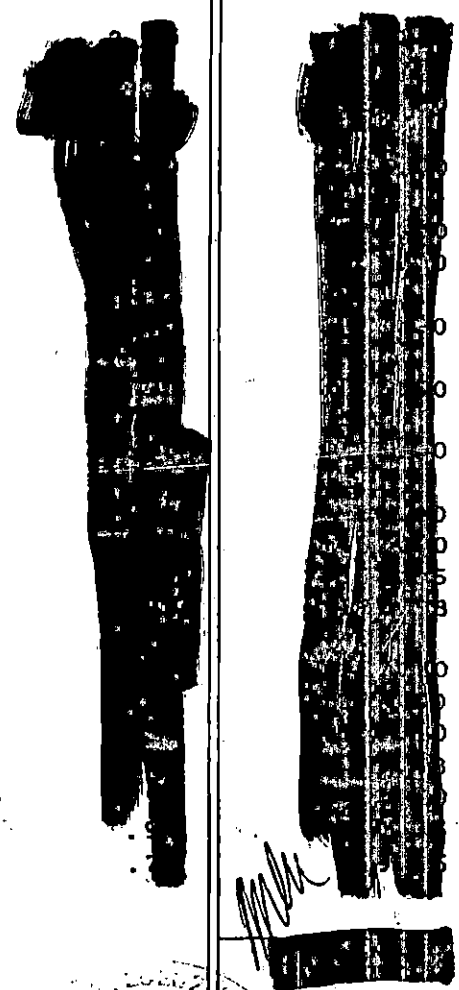
WELL LEASE NO.		WELL LOCATION		STATE	WELL OWNER	
HIRT 'A' 1-29		PRATT		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
PRATT		STERLING DRLG		CEMENT PRODUCTION CASING		01/24/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
392900	V L THOMPSON			COMPANY TRUCK	89406	

F G HOLL
P O BOX 158
BELPRE, KS 67519

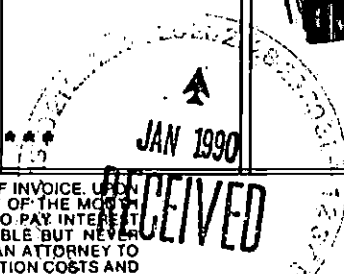
DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	17	MI		
		1	UNT		
001-016	CEMENTING CASING	4761	FT		
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	4.5	IN		
		1	EA		
018-317	SUPER FLUSH	12	SK		
12A	GUIDE SHOE - 4 1/2" 8RD THD.	1	EA		
825.201					
24A	INSERT FLOAT VALVE - 4 1/2" 8RD	1	EA		
815.19101					
27	FILL-UP UNIT 4 1/2"-5"	1	EA		
815.19113					
40	CENTRALIZER 4-1/2" MODEL S-4	3	EA		
807.93004					
509-968	SALT	400	LB		
504-316	HALLIBURTON LIGHT W/STANDARD	100	SK		
504-308	STANDARD CEMENT	63	SK		
506-105	POZMIX A	62	SK		
506-121	HALLIBURTON-GEL 2X	2	SK		
509-968	SALT	1100	LB		
508-291	GILSONITE	650	LB		
507-153	CFR-3	79	LB		
507-210	FLOCELE	16	LB		
508-085	TUF CEMENT FIBERS NO 1 (NYLON)	16	LB		
500-207	BULK SERVICE CHARGE	253	CFT		
500-306	MILEAGE CMTG MAT DEL OR RETURN	185.22	TMI		
INVOICE SUBTOTAL					

RECEIVED
 STATE COMMISSION
 WICHITA, KANSAS
 MAY 17 1990
 CONSERVATION DIVISION



***** CONTINUED ON NEXT PAGE *****



TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NOT TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.