

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

API NO. 007-33-351-00-00  
**CONFIDENTIAL**  
County Pratt Barber  
110' N of \_\_\_\_\_ East  
C N2 NE Sec. 6 Twp. 30S Rge. 12W X West

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, Inc.  
Operator Contact Person: Elwyn H. Nagel  
Phone (316) 684-8481

4730 Ft. North from Southeast Corner of Section  
1320 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name THORNE Well # 1-6  
Field Name Hirt South

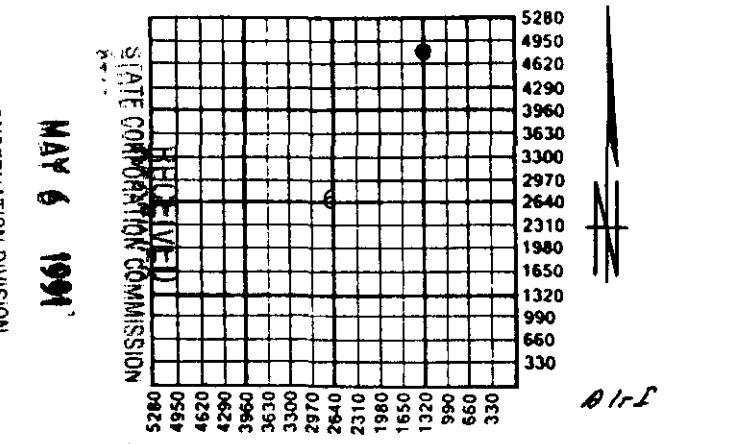
Producing Formation Marmaton  
Elevation: Ground 1876' KB 1885'  
Total Depth 4764 PBDT None

Contractor: Name: Sterling Drilling Company  
License: 5142  
Wellsite Geologist: Brent B. Reinhardt

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

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

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
1/7/91 1/18/91 2/14/91  
Spud Date Date Reached TD Completion Date



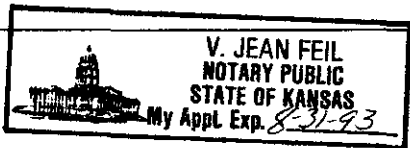
Amount of Surface Pipe Set and Cemented at 270' KB Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**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 5/2/91  
Subscribed and sworn to before me this 2nd day of May, 1991.  
Notary Public V. Jean Feil  
Date Commission Expires \_\_\_\_\_

**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)



TIGHT HOLE!

SIDE TWO

Operator Name F. G. HOLL COMPANY Lease Name THORNE Well # 1-6  
 Sec. 6 Twp. 30S Rge. 12W  East  West  
 County Barber

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 sheet for DST information.

Formation Description			
Name	Top	Bottom	
Admire	2780 (- 895)	Marmaton	4310 (-2425)
Indian Cave	2812 (- 927)	Conglomerate	4356 (-2471)
Tarkio	3058 (-1173)	Mississippi	4369 (-2484)
Howard	3228 (-1343)	Viola Dolo	4485 (-2600)
Topeka	3350 (-1465)	Simpson SH	4605 (-2720)
Heebner	3723 (-1838)	Simpson SD	4607 (-2722)
Douglas SH	3758 (-1873)	Arbuckle	4719 (-2834)
Brown Lime	3884 (-1999)	RTD	4764 (-2879)
Lansing	3902 (-2017)	LTD	4764 (-2879)
BKC	4302 (-2417)		

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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	12 1/4"	8 5/8" (N)	23#	270'	60/40 POZ	225	2%Gel, 3%CC
Production	7 7/8"	4 1/2" (N&U)	10.5#	4735'	Lite	100	Salt, Gils.
					50/50 POZ	125	

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4SPF	4315-4323 (Marmaton)	AC: 500qls 15%DSFE, REAC:	4323'
		1000qls 15%SGA, SWB: 25BOPH	
		100% Oil	

TUBING RECORD Size 2 3/8" Set At 4311' Packer At None Liner Run  Yes  No

Date of First Production 2/14/91 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)  
 Estimated Production Per 24 Hours Oil 11 Bbls. Gas None Mcf Water None 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) 4315-4323' Production Interval

TIGHT HOLE!

ORIGINAL

KCC

F. G. HOLL COMPANY

6427 EAST KELLOGG - P.O. BOX 7801  
WICHITA, KS 67278-0167

MAY 2  
CONFIDENTIAL  
TIGHT HOLE!

ACO-1 (Cont.)  
THORNE #1-6  
110'N of C N2 NE  
Sec 6-30s-12w  
Barber County, KS

RELEASED

DST #1 (2776-2822) Indian Cave

- 1) GBOB in 2.5 mins.
- 2) FB in 12.5 mins.

15" 30" 30" 60"

REC: 470' MW (CHL.=4800ppm)  
IHP: 1299 IFF: 119-113:15" ISIP: 905:30" BHT: 101F  
FHP: 1295 FFP: 205-207:30" FSIP: 915:90"

8 1993  
FROM CONFIDENTIAL

DST #2 (4312-4344) Marmaton

- 1) SBOB in 30 secs. GTS in 25 mins. = 14.1 MCFGPD
- 2) 2nd Opening Gas Gauged:

10" = 19.9 MCFGPD	60" = 15.4 MCFGPD
20" = 16.7 "	70" = 15.4 "
30" = 17.2 "	80" = 15.4 "
40" = 16.7 "	90" = 15.4 "
50" = 16.7 "	

REC: 475' CGO  
IHP: 2206 IFF: 71-72:30" ISIP: 1563:60" BHT: 128F  
FHP: 2176 FFP: 100-127:90" FSIP: 1502:120"

DST #3 (4342-4364) Conglomerate

- 1) WB Dead in 3 mins.
- 2) NB

15" 30" 15" 30"

REC: 20' Mud/No Shows  
IHP: 2302 IFF: 44-29:15" ISIP: 79:30" BHT: 126F  
FHP: 2180 FFP: 45-29:15" FSIP: 74:30"

DST #4 (4360-4393) Mississippi

- 1) WB Dead in 6 mins.
- 2) NB, Flush, NB

30" 60" 60" 90"

REC: 180' Mud/No Shows  
IHP: 2328 IFF: 105-128:30" ISIP: 214:60" BHT: 127F  
FHP: 2240 FFP: 204-146:60" FSIP: 251:90"

DST #5 (4485-4511) Viola

- 1) FBOB in 9 mins
- 2) SB decreasing to WB

30" 60" 60" 90"

REC: 400' GIP  
30' Mud  
IHP: 2236 IFF: 44-23:30" ISIP: 581:60" BHT: NA  
FHP: 2200 FFP: 28-28:60" FSIP: 886:90"

DST #6 (4600-4615) Simpson Sand

- 1) WB increasing to 2.5" in Bucket
- 2) VWB

30" 30" 30" 60"

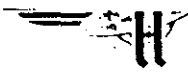
REC: 150' MW (CHL.: 55,000ppm)  
IHP: 2336 IFF: 18-24:30" ISIP: 1229:30" BHT: 132F  
FHP: 2295 FFP: 58-63:30" FSIP: 1242:60"

RECEIVED  
STATE CORPORATION COMMISSION  
WICHITA, KANSAS

MAY 6 1991

CONSERVATION DIVISION  
Wichita, Kansas

ORIGINAL



KCC

DALLAS, TX 75395-1048

INVOICE

HALLIBURTON SERVICES

MAY 2

INVOICE NO.	DATE
041930	05/02/1991

CONFIDENTIAL

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
THORNE 1-6		BARBER		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
PRATT		STERLING DRILL		CEMENT SURFACE CASING		05/07/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
392900	V L THOMPSON			COMPANY TRUCK	0425	

RELEASED

F G HOLL  
P.O. BOX 158  
BELPRE, KS 67519

MAY 8 1991

FROM CONFIDENTIAL

DIRECT CORRESPONDENCE TO:  
FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
<b>PRICING AREA - MID CONTINENT</b>					
000-117	MILEAGE	19	MI		
		1	UNT		
000-118	MILEAGE SURCHARGE-CEMENT-LAND	19	MI		
		1	UNT		
001-016	CEMENTING CASING	272	FT		
		1	UNT		
030-503	CMTG PLUG LA-11, CP-1, CP-3, TOP	8	5/8 IN		
		1	EA		
504-308	STANDARD CEMENT	225	SK		
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK		
500-307	MILEAGE SURCHARGE-CEMENT MAT.	205.49	TMI		
500-207	BULK SERVICE CHARGE	237	CFT		
500-306	MILEAGE CMTG MAT DEL OR RETURN	205.49	TMI		
INVOICE SUBTOTAL					
DISCOUNT-(BID)					
INVOICE BID AMOUNT					
*-KANSAS STATE SALES TAX					
*-PRATT COUNTY SALES TAX					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					

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 DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE RATE OF 18% PER ANNUM. CUSTOMER SHALL EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT. CUSTOMER SHALL BE RESPONSIBLE FOR ALL COLLECTION COSTS AND

CUSTOMER COPY



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

INVOICE

HALLIBURTON SERVICES

INVOICE NO.	DATE
042068	01/18/1999

WELL LEASE NO./PL.	NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
THORNE 1-6		BARBER	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE	
PRATT	STERLING DRUG 4	CEMENT PRODUCTION CASING	01/18/1999	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA
392900	V. L. THOMPSON			COMPANY TRUCK
				088

F G HOLL  
P O BOX 158  
BELPRE KS 67519

DIRECT CORRESPONDENCE TO:  
FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

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000-117	MILEAGE	19	MI		
		1	UNT		
000-118	MILEAGE SURCHARGE-CEMENT-LAND	19	MI		
		1	UNT		
001-016	CEMENTING CASING	4764	FT		
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	4.5	IN		
		1	EA		
018-317	SUPER FLUSH	12	SK		
509-968	SALT	400	LB		
12A	GUIDE SHOE - 4 1/2" 8RD THD.	1	EA		
825.201					
24A	INSERT FLOAT VALVE - 4 1/2" 8RD	1	EA		
815.1910					
27	FILL-UP UNIT 4 1/2"-5"	1	EA		
815.19113					
40	CENTRALIZER 4-1/2" MODEL S-4	4	EA		
807.93004					
504-316	HALLIBURTON LIGHT W/STANDARD	100	SK		
504-308	STANDARD CEMENT	63	SK		
506-105	POZMIX A	62	SK		
506-121	HALLIBURTON-GEL 2%	2	SK		
509-968	SALT	1100	LB		
508-292	GILSONITE, SACKED	650	LB		
507-153	CFR-3	79	LB		
507-210	FLOCELE	16	LB		
508-085	TUF CEMENT FIBERS NO 1 (NYLON)	16	LB		
500-307	MILEAGE SURCHARGE-CEMENT MAT.	207.01	TMI		
500-207	BULK SERVICE CHARGE	255	CPT		
500-306	MILEAGE CMTG MAT DEL OR RETURN	207.01	TMI		

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

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 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 NEVER EXCEEDING 18% PER ANNUM. IF NECESSARY TO EMPLOY AN ATTORNEY TO