

SIDE ONE

ORIGINAL

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

API NO. 15- 047-21,358-0000

County Edwards
165 N of
SE NE SW Sec. 17 Twp. 24S Rge. 17W East West

Operator: License # 5056

1815' Ft. North from Southeast Corner of Section

Name: F. G. Holl Company

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

Address 6427 E. Kellogg

Lease Name J. H. CROSS Well # 2-17

P.O. Box 780167

Field Name Wayne NW

City/State/Zip Wichita, KS 67278-0167

Producing Formation D&A

Purchaser: None

Elevation: Ground 2116' KB 2125'

Operator Contact Person: Elwyn H. Nagel

Total Depth 4560 PBTD None

Phone (316) 684-8481

Contractor: Name: Sterling Drilling Company

License: 5142

Wellsite Geologist: Brent B. Reinhard

Designate Type of Completion 10-29-90

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: _____

Well Name: _____

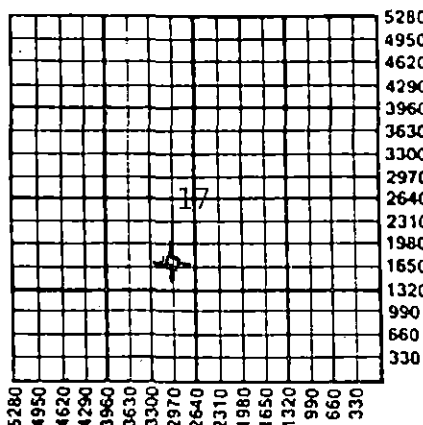
Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

7/19/90 7/25/90 7/25/90

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 321' 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.

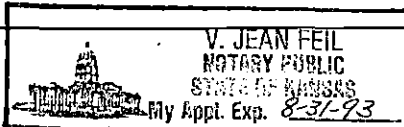
Signature Elwyn H. Nagel

Title Elwyn H. Nagel, Manager Date 10/15/90

Subscribed and sworn to before me this 15th day of October, 19 90.

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)

SIDE TWO

Operator Name F. G. HOLL COMPANY

Lease Name J. H. CROSS

Well # 2-17

Sec. 17 Twp. 24S Rge. 17W

East
 West

County Edwards

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.)

Formation Description

Log Sample

Name	Top	Bottom
ANHYDRITE TOP	1170 (+ 955)	BKC 4191 (-2066)
ANHYDRITE BASE	1186 (+ 939)	MARMATON 4215 (-2090)
TOPEKA	3368 (-1243)	CHEROKEE SH 4349 (-2224)
HEEBNER	3760 (-1635)	MISS 4390 (-2265)
TORONTO	3780 (-1655)	KINDERHK SH 4448 (-2323)
DOUGLAS	3791 (-1666)	KINDERHK SD 4462 (-2337)
BROWN LIME	3882 (-1757)	VIOLA 4496 (-2371)
LANSING	3895 (-1770)	RTD 4560 (-2435)

DST #1 (4368-4433) Mississippi

1) SBOB in 1 1/2"

2) SBOB in 8"

REC: 600' GIP

20' CO (85%O, 15%G)

220' SO&GCM (8%O, 88%M, 2%G)

300' SO&GCWM (3%O, 55%W, 6%G)

240' SW

780' Total Fluid

CASING RECORD

IHP: 2257 IFP: 119-216:30" ISIP: 1345:60"
FHP: 2215 FFP: 289-343:60" FSIP: 1080:90"
BHT: 112F

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	12 1/4"	8 5/8" (N)	23#	321'	60/40 POZ	225	2%Gel, 3%CC

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

None

TUBING RECORD

Size Set At Packer At

Liner Run. Yes No

None

Date of First Production Producing Method Flowing Pumping Gas Lift Other (Explain)

None

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, submit ACO-18.)

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

None: D&A

ORIGINAL

STERLING DRILLING COMPANY

BOX 129

STERLING, KANSAS 67579

WELL LOG -----J.H. Cross 2-17

165' N SE NE SW, Section 17-T24S-R17W, Edwards County, Kansas

OWNER: F. G. Holl Company

ROTARY DRILLING CONTRACTOR: Sterling Drilling Company

COMMENCED: July 19, 1990

COMPLETED: July 26, 1990

TOTAL DEPTH: 4560'

LOG

0 - 90' surface soil and sand
90 - 322' red bed and shale
322 - 1168' red bed and shale and lime
1168 - 1179' anhydride
1179 - 4560' lime and shale

CASING

Ran 7 joints 8 5/8" 23# new casing.
308.83' pipe set at 321' KB. Cemented
with 225 sacks 60/40 Pozmix W/ 2%
gel, 3% cc. Plug down at 12:00 noon
by Howco. Good returns to surface.
7-19-90

Plugged

DEVIATION SURVEYS

1° at 4437'

RECEIVED
STATE CORPORATION COMMISSION

OCT 29 1990

CONSERVATION DIVISION
Wichita, Kansas

HALLIBURTON SERVICES

ORIGINAL

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

INVOICE

INVOICE NO.	DATE
000248	07/19/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
J.H. CROSS 2-17		EDWARDS		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE	
GREAT BEND	STERLING DRILLING	CEMENT SURFACE CASING		07/19/1990	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
392900	V.L. THOMPSON			COMPANY TRUCK	98682

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	46	MI		
		1	UNT		
001-016	CEMENTING CASING	320	FT		
		1	UNT		
030-503	WOODEN PLUG	8	5/8 IN		
		1	EA		
504-308	STANDARD CEMENT	135	SK		
506-105	POZMIX A	90	SK		
506-121	HALLIBURTON-GEL 2X	4	SK		
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK		
500-207	BULK SERVICE CHARGE	237	CFT		
500-306	MILEAGE CMTG MAT DEL OR RETURN	464.99	TMI		
INVOICE SUBTOTAL					
DISCOUNT-(BID)					
INVOICE BID AMOUNT					
*--KANSAS STATE SALES TAX					
*--BARTON COUNTY SALES TAX					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					

RECEIVED
STATE CORPORATION COMMISSION
OCT 2 9 1990
CONSERVATION DIVISION
Wichita, Kansas

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 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 TO FORFEIT IN THE AMOUNT OF 3% OF THE AMOUNT OF THE UNPAID ACCOUNT



INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
000412	07/26/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
J.H. CROSS 2-17		EDWARDS		KS	SAME	
SERVICE LOCATION	CONTRACTOR		JOB PURPOSE		TICKET DATE	
GREAT BEND	STERLING DRILLING #4		PLUG TO ABANDON		07/26/1990	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO	
392900	V.L. THOMPSON			COMPANY TRUCK	98753	

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
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	46	MI		
		1	UNT		
090-910	MISCELLANEOUS PUMPING JOB	1	TRK		
504-308	STANDARD CEMENT	102	SK		
506-105	POZMIX A	68	SK		
506-121	HALLIBURTON-GEL 2%	3	SK		
507-277	HALLIBURTON-GEL BENTONITE	6	SK		
500-207	BULK SERVICE CHARGE	182	CFT		
500-306	MILEAGE CMTG MAT DEL OR RETURN	356.43	TMI		
	INVOICE SUBTOTAL				
	DISCOUNT - (BID)				
	INVOICE BID AMOUNT				
	*-KANSAS STATE SALES TAX				
	*-BARTON COUNTY SALES TAX				
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					=====>