

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

ORIGINAL

Operator: License # 5056
Name: F. G. Holl Company
Address 6427 E. Kellogg
P.O. Box 780167
City/State/Zip Wichita, KS 67278-0167

Purchaser: None: TA

Operator Contact Person: Elwyn H. Nagel

Phone () (316) 684-8481

Contractor: Name: Sterling Drilling Company

License: 5142

Wellsite Geologist: W. Bryce Bidleman

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, MSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back _____ PBDT _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____

6/23/91 6/29/91 TA: 7/30/91
Spud Date Date Reached TD Completion Date

API NO. 15- 047-21,381 - 00-00

County Edwards ✓

150' S of _____
- C - W2 - W2 ✓ Sec. 19 Twp. 24s Rge. 17w X ^E _W

2490' ✓ Feet from S/X (circle one) Line of Section

4620' ✓ Feet from E/X (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name HOAR ✓ Well # 1-19

Field Name Cross

Producing Formation None: TA

Elevation: Ground 2131' KB 2140'

Total Depth 4610' PBDT None

Amount of Surface Pipe Set and Cemented at 380' KB Feet

Multiple Stage Cementing Collar Used? _____ Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan _____ 8/1-I
(Data must be collected from the Reserve Pit)

Chloride content NA ppm Fluid volume NA bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name RECEIVED

Lease Name KANSAS CORPORATION COMMISSION
License No. _____

Quarter S 4 DEC 6 1991 S Rng. _____ E/W

County _____ Docket No. 12-6-1991

CONSERVATION DIVISION

WICHITA, KS

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 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 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.

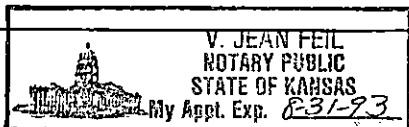
Signature Elwyn H. Nagel

Title Elwyn H. Nagel, Manager Date 12/6/91

Subscribed and sworn to before me this 6th day of December 19 91.

Notary Public V. Jean Feil

Date Commission Expires _____



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

NS 8-20-15

P1

Operator Name F. G. Holl Company Lease Name HOAR Well # 1-19
 Sec. 19 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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3803 (-1663)	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Brown Lime	3925 (-1785)	
List All E.Logs Run: <u>GR/DIFL/SP/ML/ZDL/CN/CAL</u>	Western Atlas	Lansing	3934 (-1794)	
		BKC	4239 (-2099)	
		Marmaton	4299 (-2159)	
		Cherokee SH	4400 (-2260)	
		Mississippi	4456 (-2316)	
		Kinderhk SD	4536 (-2396)	
		Viola	4580 (-2440)	
		RTD	4610 (-2470)	
		LTD	4607 (-2467)	

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#	380'KB	60/40 POZ	250	2%Gel, 3%CC
Production	7 7/8"	4 1/2" (N&U)	10.5#	4609'KB	Lite	100	Salt, Gils.
					50/50 POZ	125	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	4480'	Standard Cmt	100sks	50sks micro matrix cmt w/6% Halid 9, followed with 50sks standard cmt.

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
4 BSPF	4454-4462 (Mississippi)	AC: 450 gls 15% DSFE, SWB: 4.64 BFPH (GSO&G), SIFN, 2800' FU, 100% Water, Temp. Abandon

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No		
		None						
Date of First, Resumed Production, SWD or Inj.			Producing Method					
None: TA			<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: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: 4454-4462
TA

ORIGINAL
F. G. HOLL COMPANY

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

HOAR #1-19
150'S of C W2 W2
Sec 19-24s-17w
Edwards County, KS
API#: 15-047-21,381

DST #1 (4400-4472) Mississippi

1) SBOB in 1 min.,	GTS in 13 mins.	Gauged:	311 MCF in 20 mins.
			278 MCF in 30 mins.
2) SBOB,		Gauged:	326 MCF in 10 mins.
			287 MCF in 20 mins.
			278 MCF in 30 mins.
			260 MCF in 40 mins.
			251 MCF in 50 mins.
			251 MCF in 60 mins.

REC: 310' SGCMw/Trace Oil
IHP: 2207 IFP: 132-121:30" ISIP: 1203:60"
FHP: 2183 FFP: 127-126:60" FSIP: 1071:90"
BHT: NA
CHL: 10,000 ppm

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 0 1991

CONSERVATION DIVISION
WICHITA, KS



ORIGINAL

CUSTOMER

INVOICE DATE

06/23/91

DIRECT BILLING INQUIRIES TO: 713-895-5821	TERMS N. J. AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: N. J. SERVICES P.O. BOX 297476 HOUSTON, TX 77297
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PAGE	INVOICE NO.
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AUTHORIZED BY
635843

PURCH ORDER REF NO.

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

WELL NUMBER : 1-19 CUSTOMER NUMBER : 8525 - 0

LEASE NAME AND NUMBER	STATE	COUNTY/PARISH	CITY	DISTRICT NAME	DISTR NO.
HGAR	14	1409		Great Bend	302
JOB LOCATION/FIELD	MTA DISTRICT	DATE OF JOB	TYPE OF SERVICE		
LEWIS		06/23/91	LAND-CONDUCTOR/SURFACE		

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT	EXTENSION
10109304	1.00	CEMENT CASING 301 TO 500 FEET		
10109005	45.00	MILEAGE CHRG, FROM NEAREST BASE OF		
10410504	150.00	CLASS "A" CEMENT	CF	
10415018	100.00	FLY ASH	CFT	
10415049	645.00	A-7-P CALCIUM CHLORIDE PELLETS	LB	
10420145	430.00	BJ-TITAN GEL, BENTONITE, BULK SALE	LB	
10431036	1.00	8-5/8" TOP WOOD PLUG	EA	
10880001	250.00	MIXING SERVICE CHRG DRY MATERIALS		
10940101	508.50	DRAYAGE, PER TON RECEIVED		

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 6 1991

CONSERVATION DIVISION
WICHITA, KS



ACCOUNT	1.0000Z BARTON 6.2500Z KS-NEW WELL
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TAX EXEMPTION STATUS: PAY THIS AMOUNT

Holl



CUSTOMER
INVOICE DATE
06/29/91

DIRECT BILLING INQUIRIES TO: 713-895-5821	TERMS NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: G.J. SERVICES P.O. BOX 297476 HOUSTON, TX 77297
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AUTHORIZED BY
635900

PURCHASE ORDER REF. NO.

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

WELL NUMBER : 1-19 CUSTOMER NUMBER : 852 - 0

LEASE NAME AND NUMBER	STATE	COUNTY/PARISH	CITY	DISTRICT NAME	DISTR. NO.
14	14	1409		Great Bend	582
JOB LOCATION/FIELD	M/A DISTRICT	DATE OF JOB	TYPE OF SERVICE		
		06/29/91	LAND-LONG STRING/PRODUCT		

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	UNIT	EXTENDED
10424530	18.00	FP-8		LB	
10425010	500.00	MUD-SWEEP, WITH BJ-TITAN PUMPING E		GAL	
10430608	1.00	4 1/2" TOP RESIN/PLASTIC CORE		PC	
10880001	225.00	MIXING SERVICE CHRG DRY MATERIALS,			
10902509	1.00	ROTATING HEAD, WHEN USED WITH BJ-T			
10940101	504.00	DRAVAGE, PER TON MILE			

ACCOUNT	1.0000% BARTON 4.2500% KS-NEW WELL
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TAX EXEMPTION STATUS PAY THIS AMOUNT



ORIGINAL

INVOICE DATE
06/29/91

DIRECT BILLING INQUIRIES TO: 713-895-5821	TERMS NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: S.J. SERVICES P.O. BOX 297476 HOUSTON, TX 77297
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AUTHORIZED BY
635900

PURCH ORDER REF. NO.

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

WELL NUMBER : 1-19 CUSTOMER NUMBER : 8525 - 0

LEASE NAME AND NUMBER HOAR	STATE 14	COUNTY/PARISH 1409	CITY Great Bend	DISTRICT NAME 582	DISTR NO.
JOB LOCATION/FIELD NA		MTA DISTRICT	DATE OF JOB 06/29/91	TYPE OF SERVICE LAND-LONG STRING/PRODUCT	

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT	EXTENDED
10100326	1.00	CEMENT CASING 4,501 TO 5,000 FEET		
10109005	45.00	MILEAGE CHRG. FROM NEAREST BASE OF		
10409600	1.00	INSERT	GAL	
10409600	1.00	GUIDE SHOE	GAL	
10409600	4.00	CENTRALIZERS	GAL	
10410504	128.00	CLASS "A" CEMENT	CF	
10415018	97.00	FLY ASH	CF	
10415038	1550.00	A-5 SALT	LB	
10415082	625.00	KOL SEAL	LB	
10420145	738.00	BJ-TITAN GEL, BENTONITE, BULK SALE	LB	
10422008	31.00	CELLO FLAKE	LB	
10424005	79.00	CD-31	LB	

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DEC 6 1991

ACCOUNT
CONSERVATION DIVISION
WICHITA, KS

TAX EXEMPTION STATUS