

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: NCRA
Operator Contact Person: Elwyn H. Nagel
Phone () (316) 684-8481
Contractor: Name: Sterling Drilling Company
License: 5142
Wellsite Geologist: Bryce Bidleman/Jeff Klock

Designate Type of Completion

New Well Re-Entry Workover
 Oil SWD S10W Temp. Abd. Gas ENHR SIGW Dry Other (Core, MSW, Expl., Cathodic, etc)

NOV 16

CONFIDENTIAL

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

Operator: _____
Name: _____
Comp. Date _____ Old Total Depth _____
Deepening _____ Re-perf. _____ Conv. to Inj/SWD _____
Plug Back _____ PBTB _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) _____ Docket No. _____

8/7/92 8/14/92 9/1/92
Spud Date Date Reached TD Completion Date

API NO. 15- 185-22,861-0000
County Stafford
C - NW - SW - NW Sec. 8 Twp. 21s Rge. 11w ^EW
3630' Feet from SW (circle one) Line of Section
4950' Feet from EW (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name KEELER "A" Well # 1-8
Field Name Kolwalsky SW
Producing Formation Arbuckle
Elevation: Ground 1797' KB 1806'
Total Depth 3523' PBTB 3440'
Amount of Surface Pipe Set and Cemented at 260' 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.
Drilling Fluid Management Plan SLT / OK 12-21-92
(Data must be collected from the Reserve Pit)
Chloride content 56,000 ppm Fluid volume 1506 bbls
Dewatering method used Truck hauling/evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name F. G. Holl Company
Lease Name RADER #1-18 License No. 5056
NE/4 Quarter Sec. 18 Twp. 21s S Rng. 11w ^EW
County Stafford Docket No. D-26,046

RELEASED

DEC 22 1994

FROM CONFIDENTIAL

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 Managing Partner Date 11/16/92

Subscribed and sworn to before me this 16th day of November, 19 92.
Notary Public [Signature]
Date Commission Expires _____

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

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
G Geologist Report Received
Distribution
KCC _____ SWD/Rep _____ NGPA
KGS _____ Plug _____ Other _____
(Specify)
DEC 02 1992

CONSERVATION DIVISION
WICHITA, KS Form ACO-1 (7-91)

91

Operator Name F. G. HOLL COMPANY Lease Name KEELER "A" Well # 1-8

Sec. 8 Twp. 21s Rge. 11w East West
 County Stafford

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	ANHYDRITE/T	567 (+1239)	LANSING 3151 (-1345)
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ANHYDRITE/B	587 (+1219)	BKC 3376 (-1570)
List All E.Logs Run: Western Atlas:		STOTLER	2410 (- 604)	SIMPSON SH 3396 (-1590)
ZDLC-CN-GR-ML		TARKIO	2478 (- 672)	ARBUCKLE 3418 (-1612)
DIFL-GR		HOWARD	2631 (- 825)	RTD 3523 (-1717)
BHC AC-GR-CAL		TOPEKA	2725 (- 919)	LTD 3524 (-1718)
MINILOG-GR		HEEBNER	3006 (-1200)	
		TORONTO	3024 (-1218)	
		DOUGLAS SH	3038 (-1232)	
		BROWN LIME	3131 (-1325)	

PROLOG

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	12 1/4"	8 5/8" (N)	23#	260'KB	60/40 POZ	225	2%Gel, 3%CC
Production	7 7/8"	5 1/2" (N&U)	14#	3520'KB	Lite	50	Salt, Gils.
					50/50 POZ	125	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 Bullets	3454-3456 Arbuckle	SPOT AC:500gals, PF, SWB:50'	Gas 3556'
9 Bullets	3444-3448 Arbuckle	Small Show Oil, Set Alpha @	3451'
17 Bullets	3428-3436 Arbuckle	SPOT AC:500gals, PF, SWB:1.74	BEPH 3448'
		on 6thHR, 6% Oil, Set Plug @	3440'
		SPOT AC:500gals, PF, SWB:18.25	BEPH, 100%Oil 3440'

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	3436'	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SMD or Inj.	Producing Method
9/1/92	<input type="checkbox"/> Flowing <input checked="" 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
	5.5	None	22		

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 3428-3436 (Arbuckle)

ORIGINAL

F. G. HOLL COMPANY

6427 EAST KELLOGG - P.O. BOX 780167
WICHITA, KS 67278-0167KEELER "A" #1-8
C NW SW NW
Sec 8-21s-11w
Stafford County, KS
API#: 15-185-22,861

CONFIDENTIAL: "TIGHT HOLE"

***DST #1 (3296-3338) LKC "I" - "J"

1) WB Died in 10"
2) NB
TIMES: 30"30"30"30"
REC: 10' Mud w/SSO between SI & Hydraulic tools
IHP: 1646# IFP: 48-44#:30" ISIP: 642#:30"
FHP: 1608# FFP: 51-54#:30" FSIP: 444#:30"
BHT: 112F

RELEASED

DEC 2 2 1994

FROM CONFIDENTIAL

***DST #2 (3373-3425) BKC - ARBUCKLE

1) WB dec to intermittent blow
2) WB dec to intermittent blow
TIMES: 30"30"30"30"
REC: 20' SO&GCM (23%Gas, 12%Oil, 65%Mud)
50' GIP
IHP: 1703# IFP: 67-46#:30" ISIP: 607#:30"
FHP: 1668# FFP: 60-51#:30" FSIP: 80#:30"
BHT: 113F

NOV 1 6

CONFIDENTIAL

***DST #3 (3425-3435) ARBUCKLE

1) FBOB in 8"
2) FBOB in 8"
TIMES: 30"60"60"90"
REC: 835' GIP
675' CGO
65' O&GCWM (23%G, 12%O, 50%M, 15%W)
740' Total Fluid
IHP: 1686# IFP: 47-129#:30" ISIP: 1089#:60"
FHP: 1682# FFP: 181-252#:60" FSIP: 1093#:90"
BHT: 113F
CHL: 16,000ppmRECEIVED
KANSAS CORPORATION COMMISSION

DEC 0 2 1992

CONSERVATION DIVISION
WICHITA, KS

***DST #4 (3435-3450) ARBUCKLE

1) GBOB in 3"
2) GBOB in 3"
TIMES: 30"60"60"90"
REC: 600' GIP
525' CGO
115' SOCMW (5%G, 5%O, 40%M, 40%W)
120' VSOCMW (3%O, 20%M, 77%W)
120' VSO&MCW (3%O, 10%M, 87%W)
120' VSMCW w/Trace Oil (TraceO, 3%M, 97%W)
1000' Total Fluid
IHP: 1717# IFP: 92-220#:30" ISIP: 966#:60"
FHP: 1663# FFP: 287-399#:60" FSIP: 949#:90"
BHT: 115F
CHL: 16,000ppm

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

ORIGINAL DALLAS, TX 75395-1046

INVOICE NO.	DATE
263895	08/07/94

WELL/LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
WELER "A" 1-8	STAFFORD	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
GREAT BEND	WORKING DRILLING CO	CEMENT SURFACE CASING	08/07/94
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
392900	V L THOMPSON	RELEASED	
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	

DEC 2 2 1994

F G HOLL
P O BOX 158
BELERE, KS 87519

FROM CONFIDENTIAL

NOV 1 6

CONFIDENTIAL

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

PRICE REF NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000-117	PRICING AREA - EASTERN AREA MILEAGE	20	MI		
		1	UNT		
001-016	CEMENTING CASING	263	FT		
		1	UNT		
030-503	WOODEN PLUG	8 5/8	IN		
		1	EA		
504-308	STANDARD CEMENT	135	SK		
506-105	POZMIX A	6660	LB		
506-121	HALLIBURTON-GEL 2%	4	LB		
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK		
500-207	BULK SERVICE CHARGE	237	CFT		
500-306	MILEAGE CMTG MAT DEL OR RETURN	202.17	TMI		
INVOICE SUBTOTAL					
DISCOUNT-(BID)					
INVOICE BID AMOUNT					
*-KANSAS STATE SALES TAX					
*-BARTON COUNTY SALES TAX					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					

RECEIVED
KANSAS CORPORATION COMMISSION
DEC 0 2 1992
CONSERVATION DIVISION
WICHITA, KS

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

P.O. BOX 951048
DALLAS, TX 75395-1048

HALLIBURTON SERVICES

INVOICE

A Halliburton Company

INVOICE NO.	DATE
245838	08/14/1992

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER		
KFFLER "A" 1-8	STAFFORD	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
GREAT BEND	STERLING DRILLING CO	CEMENT PRODUCTION CASING	08/14/1992		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
392300	DELMAR MANNING			COMPANY TRUCK	38292

F G HOLL
P O BOX 158
HELPRE, KS 67519

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
000-117	PRICING AREA - EASTERN AREA1 MILEAGE	20	MI		
001-016	CEMENTING CASING	1	UNT		
000-018	CEMENTING PLUG 5W. PLASTIC TOP	3520	FT		
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	UNT		
825.205		1	EA		
24A	INSERT FLOAT VALVE - 5 1/2" 8RD	1	EA		
815.19251		1	EA		
27	FILL-UP UNIT 5 1/2"-8 5/8"	1	EA		
815.19311		1	EA		
40	CENTRALIZER 5-1/2" X 7 7/8"	4	EA		
807.93022		4	EA		
509-968	SALT	400	LB		
019-241	CASING SWIVEL W/O WALL CLEANER	1	JOB		
018-317	SUPER FLUSH	12	SK		
504-316	HALLIBURTON LIGHT W/STANDARD	50	SK		
504-308	STANDARD CEMENT	63	SK		
506-105	POZMIX A	4588	LB		
506-121	HALLIBURTON-GEL 2%	2	LB		
500-308	SALT	1100	LB		
506-291	GILSONITE BULK	650	LB		
507-210	FLOCELE	16	LB		
506-087	TUF CEMENT FIBERS NO 2 (POLYPR	16	LB		
107-775	HALAD-322	79	LB		
504-207	BULK SERVICE CHARGE	205	CFT		
504-308	MILEAGE CMTG MAT DEL OR RETURN	171.81	TMI		
	INVOICE SUBTOTAL				

***** 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 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

MUST BE TYPED

SIDE ONE

CONFIDENTIAL: "TIGHT HOLE"

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

CONFIDENTIAL

API NO. 15- 185-22,861.0000

County Stafford

C - NW - SW - NW Sec. 8 Twp. 21s Rge. 11w X W

3630' Feet from SW (circle one) Line of Section

4950' Feet from EW (circle one) Line of Section

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

Lease Name KEELER "A" Well # 1-8

Field Name Kolwalsky SW

Producing Formation Arbuckle

Elevation: Ground 1797' KB 1806'

Total Depth 3523' PBDT 3440'

Amount of Surface Pipe Set and Cemented at 260' 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 cnt.

Drilling Fluid Management Plan BLT / OK 12-21-92
(Data must be collected from the Reserve Pit)

Chloride content 56,000 ppm Fluid volume 1506 bbls

Dewatering method used Truck hauling/evaporation

Location of fluid disposal if hauled offsite:

Operator Name F. G. Holl Company

Lease Name RADER #1-18 License No. 5056

NE/4 Quarter Sec. 18 Twp. 21s S Rng. 11w X W

County Stafford Docket No. D-26,046

Operator: License # 5056

Name: F. G. HOLL COMPANY

Address 6427 E. Kellogg

P.O. Box 780167

City/State/Zip Wichita, KS 67278-0167

Purchaser: NCRA

Operator Contact Person: Elwyn H. Nagel

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Contractor: Name: Sterling Drilling Company

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Designate Type of Completion

X New Well Re-Entry Workover

X Oil SWD SIGW 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. _____

8/7/92 8/14/92 9/1/92
Spud Date Date Reached TD Completion Date

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 Managing Partner Date 11/16/92

Subscribed and sworn to before me this 16th day of November, 19 92.

Notary Public J. J. W. Neil

Date Commission Expires _____

V. JEAN FEIL
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 3-3-93

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
KANSAS CORPORATION COMMISSION
Distribution
KCC _____ SWD/Rep _____ NGPA
KGS _____ Plug _____ Other _____
(Specify)
DEC 02 1992

CONSERVATION DIVISION
WICHITA KS Form ACO-1 (7-91)