

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

SIDE ONE

KCC
MAY
JUN 2 5

ORIGINAL

API NO. 15- 151-21980 - 00-00
County Pratt
C W/2 NW SW .Sec. 31 Twp. 29 Rge. 12 X East

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

1980 Ft. North from Southeast Corner of Section
4950 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Purchaser: Clear Creek
Operator Contact Person: Elwyn H. Nagel
Phone (316) 684-8481

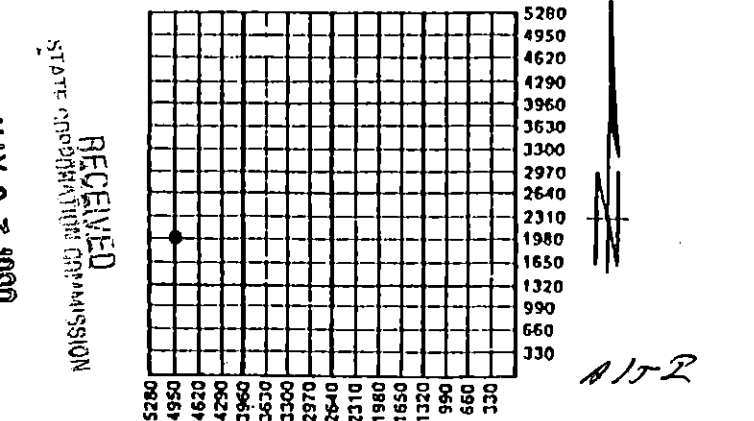
Lease Name Carver Well # 1-31
Field Name Wildcat

Contractor: Name: Sterling Drilling Company
License: 5142

Producing Formation Mississippi
Elevation: Ground 1900 KB 1909
Total Depth 4782 PBD NA

Wellsite Geologist: Bryce Bidleman

Designate Type of Completion
 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 _____

Amount of Surface Pipe Set and Cemented at 333' KB Feet

Drilling Method:
 Mud Rotary Air Rotary Cable
2-6-90 2-16-90 3-9-90
Spud Date Date Reached TD Completion Date

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 5-23-90
Subscribed and sworn to before me this 23rd day of May, 19 90.
Notary Public V. Jean Feil
Date Commission Expires _____

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

V. JEAN FEIL
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 8-3-93

Operator Name F. G. Holl Company Lease Name Carver Well # 1-31

Sec. 31 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

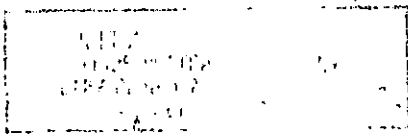
See attached page

CASING RECORD <input type="checkbox"/> New <input 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		13 3/8"	48#	333'	60/40 Poz	350	2%gel, 3%cc
PRODUCTION		4 1/2"		4782'	Lite	100	
					Common	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
2 SPF	4397 - 4412			Acidized w/1000 gal. 15% DSFE and 40 balls.			
				Frac w/37,000 gal. X-link Frac w/75 sx 100 mesh sand, 120 sx 20/40 and 60 sx 12/20.			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing Method					
3-22-90		<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	Gas	Water	Gas-Oil Ratio	Gravity	
		1,6 Bbls.	Hcf	11 Bbls.			

Disposition of Gas: Vented Sold Used on Lease (if vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Coningled Other (Specify) _____

Production Interval: 4397-4412



F. G. HOLL COMPANY

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

KCC
MAY
JUN 25

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CARVER 1-31

DST #4: 4521 to 4534 Viola
30-60-60-90
IFP 25/10:30 ISIP 236:60 FFP 30/7:60 FSIP 356:90
IHP 2415 FHP 2203 BHT 120°
1st Flow: Good blow - bottom of the bucket in 10 minutes.
2nd Flow: Fair blow - bottom of the bucket in 48 minutes.
Recovered 2 feet of mud
Recovered 600 feet of gas in the pipe (Faint Odor)

FORMATION DESCRIPTION

Onaga Shale	2835 (-926)
Indian Cave Sand	2845 (-936)
Wabaunsee	2891 (-982)
Stotler	3043 (-1143)
Topeka	3368 (-1459)
Heebner	3762 (-1853)
Douglas Shale	3803 (-1894)
Douglas Sand	3847 (-1938)
Brown Lime	3925 (-2016)
LKC	3937 (-2028)
BKC	4337 (-2428)
Mississippi	4395 (-2486)
Kinderhook Shale	4448 (-2539)
Viola	4519 (-2610)
Simpson Shale	4647 (-2738)
Simpson Sand	4682 (-2773)
Arbuckle	4745 (-2830)

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MAY 23 1990

CONSERVATION DIVISION
Wichita, Kansas

F. G. HOLL COMPANY

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

KCC

MAY
JUN 23

ORIGINAL

CARVER 1-31

DST #1: 2832 to 2869 Indian Cave
30-60-30-60
IFP 66/209:30 ISIP 972:60 FFP 272/336:30 FSIP 961:60
IHP 1334 FHP 1341 BHT 102^o
1st Flow: Strong blow-bottom of the bucket in 3/4 minute.
2nd Flow: Fair blow-bottom of the bucket in 3 minutes.
Recovered 2000 feet of gas in the pipe.
Recovered 120 feet of slightly gas cut heavy mud.
Recovered 180 feet of slightly muddy gassy water
Recovered 450 feet of slightly gas cut water-chlorides 188000

DST #2: 4386 to 4425 Mississippi
30-60-60-90
IFP 114/153:30 ISIP 1275:60 FFP 181/268:60 FSIP 881:90
IHP 2259 FHP 2182 BHT 122^o
Strong blow-Gas to surface in 1 minute, 1st Flow.
5 min. 193MCF
15 " 298 "
25 " 317 "
2nd Flow: Strong blow.
10 min. 264MCF
20 " 248."
30 " 196 "
40 " 164 "
50 " 154 "
60 " 138 "
Recovered 1400 feet of clean gassy oil-gravity 38 1/2 - 50% Gas 50% Oil

DST #3: 4385 to 4425 Mississippi
15-30-90-60
IFP 78/68:15 ISIP 865:30 FFP 89/145:90 FSIP 627:60
IHP 2264 FHP 2236 BHT 122^o
1st Flow: Strong blow - Gas to surface in 9 minutes.
10 min. 93.7 MCF
2nd Flow: Strong blow.
10 min. 96.3 MCF
20 " 108 "
30 " 115 "
40 " 114 "
50 " 112 "
60 " 112 "
70 " 112 "
80 " 110 "
90 " 108 "
Recovered 400 feet of clean gassy oil - 38 1/2 corrected 25% Gas 75% Oil
Recovered 225 feet of slightly mud cut gassy oil.

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CONSERVATION DIVISION
Wichita, Kansas

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KCC

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

MAY
JUN 23

HALLIBURTON SERVICES

ORIGINAL

INVOICE

A Halliburton Company

INVOICE NO.	DATE
816148	02/06/1990

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
CARVER 1-31	PRATT	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
PRATT	STERLING DRILLING	CEMENT SURFACE CASING	02/06/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
392900	V.L. THOMPSON		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	90285

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	UOM	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	18	MI		
		1	UNT		
001-016	CEMENTING CASING	337	FT		
		1	UNT		
030-503	WOODEN TOP PLUG	13 3/8	IN		
		1	EA		
504-308	STANDARD CEMENT	210	SK		
506-105	POZMIX A	140	SK		
506-121	HALLIBURTON-GEL 2%	6	SK		
509-406	ANHYDROUS CALCIUM CHLORIDE	10	SK		
500-207	BULK SERVICE CHARGE	370	CFT		
500-306	MILEAGE CMTG MAT DEL OR RETURN	283.52	TMI		
INVOICE SUBTOTAL					6 6
DISCOUNT - (BID)					
INVOICE BID AMOUNT					
*-KANSAS STATE SALES TAX					
*-PRATT COUNTY SALES TAX					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					

STATE DEPARTMENT OF REVENUE
RECEIVED
MAY 23 1990
Conservation Division
Wichita, Kansas

FEB 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 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

ORIGINAL INVOICE

KOO
MAY
JUN 25



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

INVOICE

CONFIDENTIAL

A DIVISION OF HALLIBURTON COMPANY

FEB 26 1990

INVOICE NO. DATE

904009 02/17/1990

WELL LEASE NO.	WELL LOCATION	STATE	WELL OWNER
CARVERY 1-31	PRATT	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
PRATT	STERLING DRIG 4	CEMENT PRODUCTION CASING	02/17/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
392900	V L THOMPSON		
		COMPANY TRUCK	90676

ORIGINAL

DIRECT CORRESPONDENCE TO:

F G HOLL
P O BOX 158
BELPRE, KS 67519

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	18	MI		60
001-016	CEMENTING CASING	4785	FT		0
030-016	CEMENTING PLUG SW ALUM TOP	4.5	IN		0
018-317	SUPER FLUSH	1	EA		0
509-968	SALT	12	SK		0
12A	GUIDE SHOE - 4 1/2" 8RD THD.	400	LB		0
825.201		1	EA		0
24A	INSERT FLOAT VALVE - 4 1/2" 8RD	1	EA		0
815.19101		1	EA		0
27	FILL-UP UNIT 4 1/2"-5"	1	EA		0
815.19113		1	EA		0
40	CENTRALIZER 4-1/2" MODEL S-4	5	EA		0
807.93004		5	EA		0
504-316	HALLIBURTON LIGHT W/STANDARD	100	SK		0
504-308	STANDARD CEMENT	63	SK		0
506-105	POZMIX A	62	SK		0
506-121	HALLIBURTON-GEL 2%	2	SK		0
509-968	SALT	1100	LB		0
508-291	GILSONITE	650	LB		0
507-153	CFR-3	79	LB		0
508-085	TUF CEMENT FIBERS NO 1 (NYLON)	16	LB		0
507-210	FLOCELE	16	LB		0
500-207	BULK SERVICE CHARGE	254	CFT		0
500-306	MILEAGE CMTG MAT DEL OR RETURN	6.12	TMI		0
	INVOICE SUBTOTAL				

CONSERVATION DIVISION
Wichita, Kansas

MAY 23 1990

STATE COMMISSION
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FEB 1990
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***** CONTINUED ON NEXT PAGE *****

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE ON 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 ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.