

SIDE ONE

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

Operator: License # 5056
Name: F. G. Holl Company
Address 6427 E. Kellogg
P.O. Box 780167
City/State/Zip Wichita, Ks. 67278-0167
Purchaser: K&N / Clear Creek
Operator Contact Person: Elwyn H. Nagel
Phone (316) 684-8481

Contractor: Name: Sterling Drilling Company
License: 5142
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.)

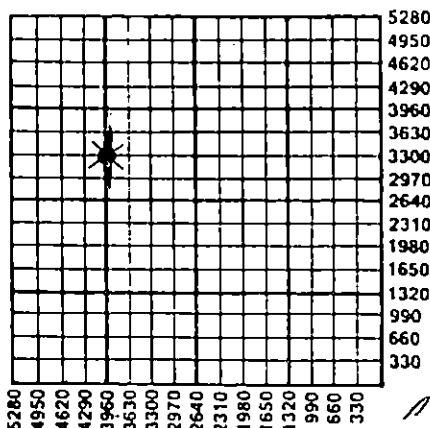
If **OWO**: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
9-5-89 9-12-89 10-6-89
Spud Date Date Reached TD Completion Date

API NO. 15- 047-21348-0000
County Edwards
C S/2 NW Sec. 5 Twp. 24 Rge. 17 East West
3300 Ft. North from Southeast Corner of Section
3960 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Green Well # 1-5
Field Name Garfield SW OK
Producing Formation Cherokee
Elevation: Ground 2112 KB 2121
Total Depth 4532 PBDT 4493

DEC 28 1989

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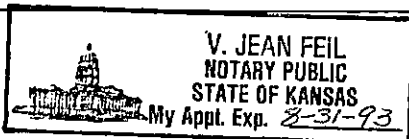


Amount of Surface Pipe Set and Cemented at 305' KB Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

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 12/19/89
Subscribed and sworn to before me this 19th day of December, 1989.
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)

PI X

SIDE TWO

Operator Name F. G. Holl Company Lease Name Green Well # 1-5
 Sec. 5 Twp. 24 Rge. 17 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		
Name	Top	Bottom
Heebner	3740	(-1619)
Brown Lime	3859	(-1738)
Lansing/ K.C.	3869	(-1748)
Base K.C.	4170	(-2049)
Cherokee Shale	4315	(-2194)
Cherokee-Sand	4339	(-2218)
Conglomerate Chert	4366	(-2245)
Mississippi	4376	(-2255)
Base Chert	4423	(-2302)
Kinderhook Sand	4433	(-2312)
Viola	4450	(-2329)

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		8 5/8"	24#	305 KB	60/40 Poz	225	2%gel, 3%cc
Production		4 1/2"	10.5#	4530 KB	LITE	100	
					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
4 SPF	4339 to 4342 Cherokee	None

TUBING RECORD Size 2 3/8" Set At 4339' Packer At _____
 Liner Run Yes No

Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____
 SHUT-IN

Estimated Production Per 24 Hours Oil 21 Bbls. Gas 299 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 Perforation Dually Completed Conningled
 Other (Specify) _____ Production Interval 4339 - 4342



F. G. HOLL COMPANY6427 EAST KELLOGG - P.O. BOX 780167
WICHITA, KS 67278-0167GREEN 1-5

DST #1: 4313 to 4353 Cherokee Sand

30-60-60-90

IFP 369/332:30 ISIP 1293:60 FFP 326/317:60 FSIP 1322:90

IHP 2125 FHP 2088 BHT 109⁰

Recovered 1700 feet of slightly mud cut gassy oil.

GTS in 4 minutes

1st Flow

10 min. 1,020 MCF

20 " 1,020 "

30 " 882 "

2nd Flow

10 min. 517 MCF

20 " 213 "

30 " 163 "

40 " 132 "

50 " 44.8 "

60 " 51.4 "

DST #2: 4367 to 4396 Mississippi

30-60-45-90

IFP 76/82:30 ISIP 993:60 FFP 130/139:45 FSIP 1012:90

IHP 2186 FHP 2136 BHT 120⁰

Recovered 220 feet of slightly gas and oil cut mud 3% oil 97% mud.

Recovered 120 feet of watery mud-35% mud 65% water. Chlorides 42000.

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CONCENTRATION DIVISION
Wichita, Kansas

BJ-TITAN SERVICES COMPANY

15-047-21348-0000

DIRECT BILLING INQUIRIES TO: 713-895-5821	TERMS: NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: BJ-TITAN SERVICES P.O. BOX 100206 HOUSTON, TX 77211
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F. G. HOLL
P.O. BOX 158
BOLPE

KS 67510

AUTHORIZED BY 544953

PURCH. ORDER REF. NO.

WELL NUMBER : 1-5

CUSTOMER NUMBER : 08525000

LEASE NAME AND NUMBER GREEN	STATE 14	COUNTY/PARISH	CITY	DISTRICT NAME GREAT BEND	DISTR. NO. 3310
JOB LOCATION/FIELD	MTA DISTRICT	DATE OF JOB 09/05/89	TYPE OF SERVICE LAND-CONDUCTOR/SURFACE		

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10100305	1.00	CEMENTING CASING 300 TO 1500 FT.	375.00		
10100310	5.00	PLUS PER FOOT BELOW 300 FT.	0.42		
10109005	78.00	MILEAGE CHRG. FROM NEAREST BASE OF	1.10		
10410504	135.00	CLASS "A" CEMENT	5.25	CF	
10415018	90.00	DIAMIX F	2.46	CF	
10415049	581.00	A-7-P CALCIUM CHLORIDE PELLETS	0.33	LB	
10420145	3.87	BJ-TITAN GEL, BENTONITE, BULK SALES	6.75	CV	
10431036	1.00	8-5/8" TOP WOOD PLUG	50.00	EA	
10880085	225.00	MIXING CUSTOMERS MATERIALS, PER CUB	0.95		
1094010	397.80	DRAYAGE, PER TON MILE	0.70		
			SUBTOTAL		
			DISCOUNT		

4.25000% STATE TAX
1.00000% COUNTY TAX

958.40
958.40

DEC 28 1989

CONSERVATION DIVISION
Wichita, Kansas

Handwritten signature

TAX EXEMPTION STATUS:

PAY THIS AMOUNT →

BJ-TITAN SERVICES COMPANY

15.047-21348-0000

09/12/89

DIRECT BILLING INQUIRIES TO: 713-895-1221	TERMS: NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: BJ-TITAN SERVICES P.O. BOX 100906 HOUSTON, TX 77212
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F. S. MOLL
P.O. BOX 720167
WICHITA

KC 67272

AUTHORIZED BY: 544957

PURCH. ORDER REF. NO.:

WELL NUMBER : 1-5

CUSTOMER NUMBER : 08525003

LEASE NAME AND NUMBER: GREEN	STATE: 14	COUNTY/PARISH:	CITY:	DISTRICT NAME: GREAT BEND	DISTR. NO.:3310
JOB LOCATION/FIELD:	MTA DISTRICT:	DATE OF JOB: 09/12/89	TYPE OF SERVICE: LAND-LONG STRING/PRODUC		

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	UM	EXTENDED PRICE
10100320	1.00	CEMENTING CASING 3001 TO 5000 FT.	\$ 879.00		
10100325	1430.00	PLUS PER 100 FT. BELOW 3000 FT.	0.00		
10109005	78.00	MILEAGE CHRG. FROM NEAREST BASE OF	1.10		
10410504	62.50	CLASS "A" CEMENT	5.25	CF	
10415018	62.50	DIAMIX F	2.46	CF	
10420145	3.00	BJ-TITAN GEL, BENTONITE, BULK SALES	6.75	CW	
10415005	100.00	LITE	42.69	CF	
10415038	13.00	A-5 SALT	5.20	GW	
10415080	6.25	GILSONITE	33.00	CW	
10422005	31.00	CELLO FLAKE,	1.27	GL	
10424005	79.00	CD-31	5.87	LB	
10424520	18.00	FP-6	2.20	LB	
10425010	500.00	MUD-SWEEP, WITH BJ-TITAN PUMPING EQ	1.45	GL	
10430503	1.00	4-1/2" TOP RUBBER PLUG	42.50	EA	
10880085	225.00	MIXING CUSTOMERS MATERIALS, PER GUB	0.95		
10940101	425.10	DRAYAGE, PER TON MILE	0.70		



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Wichita, Kansas

TAX EXEMPTION STATUS: