

ORIGINAL

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: Permian Corporation
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 Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If ~~OWO~~ old well info as follows:

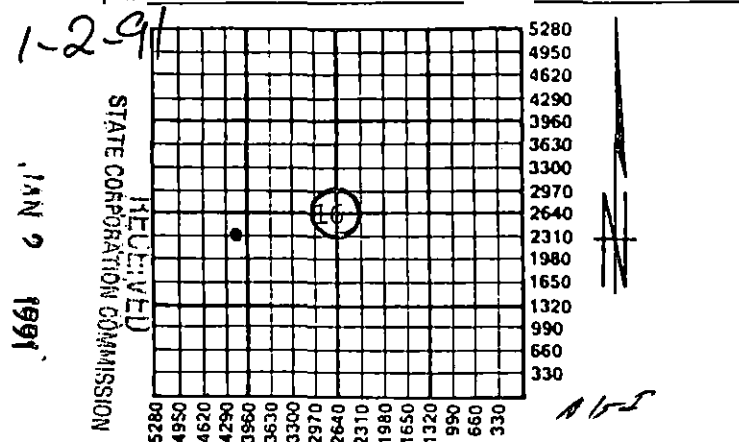
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

7/27/90 8/8/90 9/6/90
Spud Date Date Reached TD Completion Date

API NO. 15- 047-21,359-0000
County Edwards
E2 NE NW SW Sec. 16 Twp. 24s Rge. 17w East West
2310' Ft. North from Southeast Corner of Section
4125' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name BRITTON Well # 2-16
Field Name Wayne Ext.
Producing Formation Mississippi
Elevation: Ground 2112' KB 2121'
Total Depth 4510' PBDT None

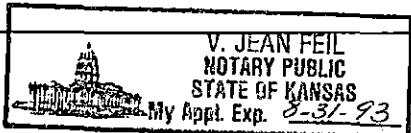


Amount of Surface Pipe Set and Cemented at 342' KB Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

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 12/28/90
Subscribed and sworn to before me this 28th day of December, 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 BRITTON Well # 2-16

Sec. 16 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.)

(See Attached Sheet)

Formation Description

Log Sample

Name	Top	Bottom
Heebner	3754 (-1633)	Cherokee 4330 (-2209)
Brown Lime	3879 (-1758)	Mississippi 4354 (-2233)
Lansing	3888 (-1767)	Kinderhook SD 4407 (-2286)
BKC	4181 (-2060)	Viola 4447 (-2326)
Marmaton	4243 (-2122)	RTD = LTD 4510 (-2389)

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)	24#	342'KB	60/40 POZ	225	2%Gel, 3%CC
Production	7 7/8"	4 1/2" (U)	24#	4509'KB	Standard Lite	125 100	2%Gel, Salt, Gilsonite

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

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

4 SPF	4388	AC:100gls, 15% DSFE	4388'
1-SPF	4344-4347, 4356-4362, 4371-4378	AC:8gls 15% DSFE, FR:33,000 gls MY-T-GELL III X-Link (190sks 20/40sd, 210sks 12/20sd)	4378'

TUBING RECORD

Size 2" Set At 4323' Packer At None

Liner Run Yes No

Date of First Production 9/6/90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours
 Oil 18 Bbls. Gas 21 Mcf Water 1197.26 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)

4344-4378
 (Mississippi)

ORIGINAL

15-047-21359-0000

F. G. HOLL COMPANY

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

ACO-1 (Continued)

RE: BRITTON #2-16
E2' NE NW SW, Sec 16-24s-17w
Edwards County, KS

DST #1 (4326-4365) MISSISSIPPI

1) SBOB, GTS in 40" on FF: 5.05 MCFGPD/40"
4.12 MCFGPD/50"
4.12 MCFGPD/60"

REC: 100' SGCMw/Trace Oil
IHP: 2208 IFP: 66-55:30" ISIP: 299:60"
FHP: 2174 FFP: 81-72:60" FSIP: 273:90"
BHT: 108F

DST #2 (4371-4400) MISSISSIPPI

1) WB 6" in Bucket 2) WB 7" in Bucket
REC: 690' GIP
30' SO&GCM (3%G, 2%O, 95%M)
60' SO&GCMw/TrWtr (8%G, 6%O, 83%M, 3%W)
90' Total Fluid

IHP: 2230 IFP: 54-48:30" ISIP: 716:60"
FHP: 2144 FFP: 78-70:60" FSIP: 732:90"
BHT: 114F

RECEIVED
STATE CORPORATION COMMISSION
JAN 2 1991

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

15-047-21359-0000

STATE OF KANSAS - CORPORATION COMMISSION
PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company F. G. Holl Lease Britton Well No. 2-16

County EDWARDS Location E/2 NE NW SW 16 Township 24S Range 17 Acres

Field WAYNE NW Reservoir MISSISSIPPI Pipeline Connection Clear Creek

Completion Date 9-5-90 Type Completion (Describe) CROSS-LINK FRAC Plug Back T.D. Packer Set At

Production Method: Flowing Pumping Gas Lift Type Fluid Production API Gravity of Liquid/Oil 35.6 / 71°

Casing Size 4 1/2 Weight I.D. Set At 4509 Perforations 4344, 45, 46, 47, 56, 57, 58, 59, 60, 61, 62 To

Tubing Size 2 3/8 Weight I.D. Set At 4323.33 Perforations 427, 72, 73, 74, 75, 76, 77+78, 88 To

Pretest: Starting Date 10-17-90 Time 10:15 Ending Date 10-18-90 Time 10-15 Duration Hrs. 24

Test: Starting Date 10-17-90 Time 10:15 Ending Date 10-18-90 Time 10-15 Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure Separator Pressure Choke Size

Casing: 675 Tubing: 7

Table with columns: Bbls./In., Tank Size, Number, Starting Gauge Feet, Inches, Barrels, Ending Gauge Feet, Inches, Barrels, Net Prod. Bbls. Water, Oil. Includes pretest and test data.

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections Orifice Meter Range

Pipe Taps: Flange Taps: Differential: Static Pressure:

Table with columns: Measuring Device, Run-Prover-Tester Size, Orifice Size, Meter-Prover-Tester Pressure In. Water, In. Merc., Psig or (Pd), Diff. Press. (hw) or (hd), Gravity Gas (Gg), Flowing Temp. (t). Includes orifice meter and flow prover data.

GAS FLOW RATE CALCULATIONS (R)

Table with columns: Coeff. (Fb)(Fp)(OWTC), Meter-Prover Press. (Pm), Extension sqrt(hw x Pm), Gravity Factor (Fg), Flowing Temp. Factor (Ft), Deviation Factor (Fpv), Chart Factor (Fd). Includes calculation values.

Gas Prod. MCFD Flow Rate (R): 2.2 Oil Prod. Bbls./Day: 17.54 Gas/Oil Ratio (GOR) = 1177.26 Cubic Ft. per Bbl.

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 17th day of October 1990

Richard W. Lacy, 1 JAN 2 1991

For Offset Operator

For State

For Company

CONSERVATION DIVISION
Wichita, Kansas

15-047-21359-0000

ORIGINAL

P.O. BOX 751046
DALLAS, TX 75395-1046

HALLIBURTON SERVICES

A Halliburton Company

INVOICE

INVOICE NO.	DATE
000440	07/27/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
BRITTON 2-16		EDWARDS	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE
GREAT BEND	STERLING DRILLING	CEMENT SURFACE CASING		07/27/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA
392900	V.L. THOMPSON			COMPANY TRUCK
				FILE NO
				99047

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	329	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					
<p>RECEIVED STATE CORPORATION COMMISSION JAN 2 1991 CONSERVATION DIVISION Wichita, Kansas</p>					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====					

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 WHICH SHALL NEVER EXCEED 18% PER ANNUM IN THE EVENT IT BECOMES NECESSARY TO ENFORCE COLLECTION OF SAID ACCOUNT. CUSTOMER AGREES TO PAY ALL COSTS AND

CUSTOMER COPY



P.O. BOX 951045
DALLAS, TX 75295-1045

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
015586	08/09/1990

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
BRITTON 2-16		EDWARDS		KS	SAME
SERVICE LOCATION	CONTRACTOR		JOB PURPOSE		TICKET DATE
GREAT BEND	STERLING DRILLING		CEMENT PRODUCTION CASING		08/09/1990
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
392900	V. L. THOMPSON			COMPANY TRUCK	99562

F G HOLL
P O BOX 158
BELPRE, KS 67519

DIRECT CORRESPONDENCE TO:
SUITE 1300
LIBERTY TOWER
100 BROADWAY AVENUE
OKLAHOMA CITY, OK 73102-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	46	MI		
001-016	CEMENTING CASING	4508	FT		
030-018	CEMENTING PLUG SW, PLASTIC TOP	4	1/2 IN		
018-317	SUPER FLUSH	12	SK		
12A	GUIDE SHOE - 4 1/2" 8RD THD.	1	EA		
825.201					
24A	INSERT FLOAT VALVE - 4 1/2" 8RD	1	EA		
815.19101					
27	FILL-UP UNIT 4 1/2"-5"	1	EA		
815.19113					
40	CENTRALIZER 4-1/2" MODEL S-4	3	EA		
807.93004					
504-316	HALLIBURTON LIGHT W/STANDARD	100	SK		
504-308	STANDARD CEMENT	63	SK		
506-105	POZMIX A	62	SK		
506-121	HALLIBURTON-GEL 2%	2	SK		
509-968	SALT	1100	LB		
508-292	GILSONITE, SACKED	650	LB		
509-968	SALT	400	LB		
507-775	HALAD-322	79	LB		
507-210	FLOCELE	16	LB		
508-087	TUF CEMENT FIBERS NO 2 (POLYPR	16	LB		
500-207	BULK SERVICE CHARGE	260	CFT		
500-306	MILEAGE CMTG MAT DEL OR RETURN	510.39	TMI		

INVOICE SUBTOTAL

***** CONTINUED ON NEXT PAGE *****

TERMS INVOICES PAYABLE NET BY THE 25TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DEFAULT IN PAYMENT OF THE 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 RATE OF 12% PER ANNUM. CONTRACT RATE APPLICABLE BUT NEVER EXCEEDS 18% PER ANNUM.

[Handwritten signature]