

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

API NO. 15-145 20,442 0001

ORIGINAL

County Pawnee

C - N/2 - NW Sec. 34 Twp. 23S Rge. 16 X E

4620 Feet from S/N (circle one) Line of Section

3960 Feet from E/W (circle one) Line of Section

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

Lease Name George 'B' OWWO Well # 1-34

Field Name Zook

Producing Formation (Chase) Herington-Krider, Winfield

Elevation: Ground 2066' KB 2071'

Total Depth 2550' PBDT 2513'

Amount of Surface Pipe Set and Cemented at 253 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 REENTRY 9/6 12-11-96
(Data must be collected from the Reserve Pit) act 1

Chloride content 62,000 ppm Fluid volume 140 bbls

Dewatering method used Truck Hauling / Evaporation

Location of fluid disposal if hauled offsite:

Operator Name F. G. Holl Company, LLC.

Lease Name McBurney 1-22 License No. 5056

NE Quarter Sec. 22 Twp. 24 S Rng. 17 E W

County Edwards Docket No. D-24,542

Operator: License # 5056

Name: F. G. Holl Company, L.L.C.

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: Pratt Well Service, Inc.

License: 5893

Wellsite Geologist: W. Bryce Bidleman

Designate Type of Completion

 New Well X Re-Entry Workover

 Oil SWD SLOW X Temp. Abd.

 Gas ENHR X SIGW

 Dry Other (Core, WSW, Expl., Cathodic, etc)

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

Operator: Zenith Drilling Corp., Inc.

Well Name: George 'B' #1

Comp. Date 12-16-76 Old Total Depth 4145'

X Deepening Re-perf. Conv. to Inj/SWD

 Plug Back 2513' PBDT

 Commingled Docket No. _____

 Dual Completion Docket No. _____

 Other (SWD or Inj?) Docket No. _____

Date of REENTRY	Date Reached TD	Completion Date
<u>12-22-95</u>	<u>12-28-95</u>	<u>2-12-96</u>

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 W. Bryce Bidleman

Title Geologist Date 7-3-96

Subscribed and sworn to before me this 3 rd day of July 19 96.

Notary Public Carmen E. Booth

Date Commission Expires 10-24-99

RECEIVED

K. C. C. OFFICE USE ONLY COMMISSION

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

JUL 05 1996

Distribution 7-5-96

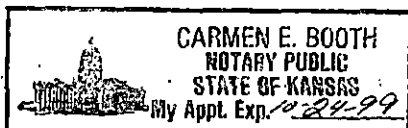
KCC

KGS

CONSERVATION DIVISION

WICHITA, KS

Other (Specify)



ORIGINAL
Operator Name F. G. Holl Company, LLC.

SIDE TWO
Lease Name George 'B' OWWO Well # 1-34

Sec. 34 Twp. 23S Rge. 16
 East
 West

County Pawnee

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.)

Log... Formation (Top), Depth and Datum Sample

Name	Top	Datum
Herington-Krider	2067	(+4)
Winfield	2121	(-50)
Towanda	2193	(-122)
Fort Riley	2239	(-168)
Base/Florence	2318	(-247)
Kinney Limestone	2354	(-283)
Wreford	2377	(-306)
Council Grove	2401	(-330)
RTD	2550	(-479)

List All E.Logs Run: Western-Atlas
ZDLC/CN/SL/ML/GR/Caliper Plot/SBL

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"	23#	253'	NA	225	NA
Production	7 7/8"	4 1/2"	10 1/2#	2539'	Standard	150	Gils 5#, Cal Seal 5%, Salt 18%

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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	
	2 JSPF	2356-2360	Kinney Lime	Broke down perfs w/250 gal 15% DSFE w/ PPI tool.
2 JSPF	Set RBP @ 2330'	2068-2070, 2073-2077 Herington	Broke down perfs w/350 gal 15% DSFE w/PPI tool, Acidize w/1000 gal 15% SGA.	
2 JSPF	2100-2104, 2122-2125, 2150-2154, Krider, Winfield		Broke down perfs w/250 gal 15% DSFE, all perfs communicated, Acidize all Her-Kri & Win perfs w/5500 gal 15% SGA, 4000 gal gelled wtr, 1500 gal cla-fix wtr w/ 38 sealer balls.	

TUBING RECORD Size 2 3/8" Set At 2119' Packer At None Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. SIGW Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		15	37		

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 2068-70, 2073-77, 2100-04, 2122-25



TICKET CONTINUATION

FIELD COPY

TICKET No. 906756

HALLIBURTON ENERGY SERVICES

CUSTOMER F.G. HOLL	WELL GEORGE "B" 1-34	DATE 12-28-95	PAGE 2	OF 2
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FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M	
		LOC	ACCT	DF					
504-308	516.00261	1			STANDARD CEMENT	150	aks		
508-291	516.00337	1			GILSONITE BLENDED 5#	750	lbs		
508-127	890.50131	1			CALSEAL BLENDED 5%	7	aks		
509-968	516.00158	1			SALT BLENDED 18%	1394	lbs		
507-775	516.00144	1			HALAD-322 BLENDED .75%	106	lbs		
LOADED ON TRK.# 4413-SPLIT									
509-968	516.00158	1			SALT NOT MIXED	400	lbs		
ORIGINAL									
SERVICE CHARGE					CUBIC FEET				
500-207		1							202
500-306		1			MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES	
						17,450	40		349

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WICHITA, KS

No. B 325523

CONTIN

WELL DATA

FIELD _____ SEC *34* TWP. *23* RING. *16* COUNTY *Pawnee* STATE *KS*

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<i>u</i>	<i>10.5</i>	<i>4 1/2</i>	<i>KR</i>	<i>2538</i>	
LINER						
TUBING						
OPEN HOLE			<i>7 7/8</i>	<i>2538</i>	<i>2538</i>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>12.29</i> TIME <i>24:00</i>	DATE <i>12.29</i> TIME <i>07:30</i>	DATE <i>12.29</i> TIME <i>13:27</i>	DATE <i>12.29</i> TIME <i>13:55</i>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE	<i>1</i>	<i>Hillberg</i>
CENTRALIZERS <i>S-4</i>	<i>4</i>	<i>"</i>
BOTTOM PLUG		
TOP PLUG <i>S-wiper</i>	<i>1</i>	<i>"</i>
HEAD <i>Rotating</i>	<i>1</i>	<i>"</i>
PACKER <i>Insert Valve w/Fill</i>	<i>1</i>	<i>"</i>
OTHER <i>105' Cable Separators</i>	<i>21</i>	<i>"</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>D. Scott</i>	<i>B9495</i>	<i>40047</i> <i>P14</i>
<i>P. Vivian</i>	<i>H1160</i>	<i>50120</i> <i>P14</i>
<i>B. Drake</i>	<i>H2658</i>	<i>4413</i> <i>Bulk</i>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. °API
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN.
 OTHER *500 gal's Super Flush*
 OTHER *400 lbs s.l. for 20 Bbl's pro flush*

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DEPARTMENT *Print*
 DESCRIPTION OF JOB *4 1/2" print string*

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE *X W. Bruce Birkman*

HALLIBURTON OPERATOR *D Scott* COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<i>1</i>	<i>150</i>	<i>Structural</i>	<i>EA-2</i>	<i>R</i>	<i>5% B.I. Seal 10% s.l. 25% H. Seal 322 5#167</i>	<i>1.37</i>	<i>15.3</i>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT *250*
 BREAKDOWN _____ MAXIMUM *1.000*
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 HYDRAULIC HORSEPOWER _____

SUMMARY

PRESLUSH: BBL.-GAL. *70.12* TYPE *S.H. Super Flush*
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. *40.0*
 CEMENT SLURRY: BBL.-GAL. *36.5*
 TOTAL VOLUME: BBL.-GAL. _____

REMARKS

see Job Log

ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE *18.98*
 FEET _____ REASON *Insert*

CUSTOMER

CUSTOMER: *E. G. Hall*
 LEASE: *George*
 WELL NO.: *1134*
 JOB TYPE: *4 1/2" Print String*
 DATE: *12.29.95*



JOB LOG HAL-2013-C

CUSTOMER F.G. Holl WELL NO. 7-34 LEASE George JOB TYPE 1 1/2 Prod String TICKET NO. 906756

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2400							Colled Out
	0230							On loc w/ Trks Safety mt
								Run F.E. ORIGINAL
	1230							Csg on Bottom Drop Ball + Break Pipe
								Rig up Hawco
	1322	5	20			200		Pump Salt Flush
	1325	5	5			200		H2O Spacer
	1326	5	12			250		Pump Super Flush
	1328	5	5			230		H2O Spacer
	1334	-0-				300		St mixing Cmt @ 15.3 ppg
	1343	-0-	36.5			-0-		Finish mixing Cmt
	1344							Close In manifold
	1315	8	15					Wash pump + line
	1346							Release Plug
	1348	9				100		St Disp w/H2O
	1348	8	23			260		Lifting Cmt 73 Bbls Disp out
	1356	-0-	40			1000		Plug Down
	1356					1000		PSI Csg
	1358					-0-		Release psi Float Held
								Good Pipe During Job
								Job Complete
								Thank you
								D. Scott
								C. Nixon
								B. Drake

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CUSTOMER