

ORIGINAL

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

API NO. 15- 047-21,379
County Edwards
C - SW - NW - SW Sec. 5 Twp. 24s Rge. 17w X W

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

1650 Feet from S/X (circle one) Line of Section
4950 Feet from E/X (circle one) Line of Section

Purchaser: KN Energy, Inc.

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

Operator Contact Person: Elwyn H. Nagel

Lease Name DELORES Well # 1-5

Phone () (316) 684-8481

Field Name Garfield SW

Contractor: Name: Sterling Drilling Company

Producing Formation Cherokee, Mississippi

License: 5142

Elevation: Ground 2115' KB 2124'

Wellsite Geologist: W. Bryce Bidleman

Total Depth 4490' PBDT None

Designate Type of Completion
 New Well Re-Entry Workover

Amount of Surface Pipe Set and Cemented at 270'KB Feet

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc.)

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

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

If appropriate II completion, cement circulated from _____

Operator: _____

feet depth to _____ w/ _____ sx cat.

Well Name: _____

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Comp. Date _____ Old Total Depth _____

Chloride content NA ppm Fluid volume NA bbls

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

6/7/91 6/14/91 Pending
Spud Date Date Reached TD Completion Date

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

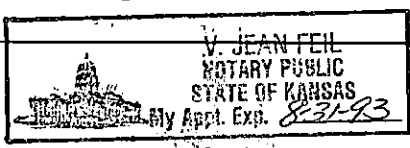
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on 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 Elwyn H. Nagel, Manager Date 12/6/91

Subscribed and sworn to before me this 6th day of December 1991.
Notary Public V. Jean Feil

Date Commission Expires _____



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

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

NS 8-20-15

91

ORIGINAL

SIDE TWO

Operator Name F. G. Holl Company

Lease Name DELORES

Well # 1-5

Sec. 5 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 (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	Towanda	2372 (- 248)	Mississippi 4351 (-2227)
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Ft Riley	2423 (- 299)	Kinderhook SD 4405 (-2281)
List All E.Logs Run:	Atlas Wireline LC/CN/GR/DIPL/SP/ML/CAL	Foraker	2920 (- 796)	Viola 4436 (-2312)
		Heebner	3745 (-1621)	RTD 4490 (-2366)
		Brown Lime	3862 (-1738)	LTD 4488 (-2364)
		Lansing	3869 (-1745)	
		BKC	4172 (-2048)	
		Marmaton	4229 (-2105)	
		Cherokee SH	4320 (-2196)	
		Cherokee SD	4341 (-2217)	

CASING RECORD							
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#	275'KB	60/40 POZ	225	2%Gel, 3%CC
Production	7 7/8"	4 1/2" (U)	10.5#	4489'KB	Lite	100	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	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	
4JSPF	4342-4344 (Cherokee)	Spotted: 500gls 10%MSA., PF,	4358'
4JSPF	4354-4358 (Mississippi)	AC: 50gls/ft of 15% DSFE, SWB: 58 BPH (GSO&G), FRAC: 33,000gls My-T-Gel III X-Link 140 sks 12/20 Sand, SWB: 14 BFPH (Trace Oil, Flowing Gas), SI Well	

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
None:	SIGW (pending gas hookup)				
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Pending Gas Hookup					
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	<u>4342-4344</u> <u>4354-4358</u>

ORIGINAL

F. G. HOLL COMPANY

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

DELORES #1-5
C SW NW SW
Sec 5-24s-17w
Edwards County, KS
API #: 15-047-21,379

DST #1 (4320-4366) Cherokee

1) SBOB, GTS in 8 mins. Gauged:	77.8 MCF in 10"
	66.6 MCF in 20"
	63.5 MCF in 30"
2) SBOB, Gauged:	60.2 MCF in 10"
	60.2 MCF in 20"
	60.2 MCF in 30"
	58.6 MCF in 40"
	58.6 MCF in 50"
	58.6 MCF in 60"

REC: 240' GCM		
IHP: 2126	IFP: 143-105:30"	ISIP: 743:60"
FHP: 2110	FFP: 145-115:60"	FSIP: 865:90"
BHT: 108F		

RECEIVED
STATE CORPORATION COMMISSION

DEC 06 1991

CONSERVATION DIVISION
Wichita Kansas

DST #2 (4367-4392) Mississippi

1) WBOB in 4 mins.
2) OBOB

REC: 600' GIP	
60' DM	
60' SOCWM (3%G, 2%O, 60%M, 35%W)	
<u>120' Total Fluid</u>	

IHP: 2156	IFP: 85-56:30"	ISIP: 446:60"
FHP: 2078	FFP: 82-72:60"	FSIP: 588:90"
BHT: 108F		
CHL: 22,000 ppm		

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 6 1991

CONSERVATION DIVISION
WICHITA, KS



ORIGINAL

CUSTOMER	
INVOICE DATE	
56/97/91	

DIRECT BILLING INQUIRIES TO: 713-895-5821	TERMS NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO. B. J. SERVICES P.O. BOX 297476 HOUSTON, TX 77297
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AUTHORIZED BY 635838

PURCH. ORDER REF. NO.

F. G. HOLL
P.O. BOX 158
BELPRE KS 67519

WELL NUMBER : 1-5		CUSTOMER NUMBER : 8525 - 0	
LEASE NAME AND NUMBER DELORES	STATE 14	COUNTY/PARISH 1409	CITY Great Bend
JOB LOCATION/FIELD GARFIELD	MTA DISTRICT	DATE OF JOB 06/07/91	DISTR. NO. 582
		TYPE OF SERVICE LAND-CONDUCTOR/SURFACE	

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10100302	1.00	CEMENT CASING 0 TO 300 FEET			
10109005	38.00	MILEAGE CHRG, FROM NEAREST BASE OF			
10410504	135.00	CLASS "A" CEMENT		CF	
10415018	90.00	FLY ASH		CFT	
10415049	581.00	A-7-P CALCIUM CHLORIDE PELLETS		LB	
10420149	387.00	BJ-TITAN GEL, BENTONITE, BULK SALE		LB	
10430539	1.00	8 5/8" TOP HOLE (SURFACE) PLUG		EA	
10880001	225.00	MIXING SERVICE CHRG DRY MATERIALS,			
10940101	387.60	DRAYAGE, PER TON MILE			

ACCOUNT	1.00007 BARTON 4.25007 KS-NEW WELL
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TAX EXEMPTION STATUS	PAY THIS AMOUNT
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CUSTOMER INVOICE
 INVOICE DATE
 06/14/91

DIRECT BILLING INQUIRIES TO: 71 15-5821	TERMS NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: B.J. SERVICES P.O. BOX 297476 HOUSTON, TX 77297
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PAGE	INVOICE NO.
2	635841

AUTHORIZED BY:
 635841

PURCH ORDER REF. NO.

F. G. HOLL
 P.O. BOX 158
 BELPRE KS 67519

WELL NUMBER : 1-5 CUSTOMER NUMBER : 8525 - 0

LEASE NAME AND NUMBER	STATE	COUNTY/PARISH	CITY	DISTRICT NAME	DISTR. NO.
CELDRES	14	1409		Great Bend	582
JOB LOCATION/FIELD		MTA DISTRICT	DATE OF JOB	TYPE OF SERVICE	
GARFIELD			06/14/91	LAND-LONG STRING/PRODUCT	

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	UNIT	EXTENDED PRICE
10424530	18.00	FP-8		LB	
10425010	500.00	MUD-SWEEP, WITH BJ-TITAN PUMPING E		GAL	
10430608	1.00	4 1/2" TOP RESIN/PLASTIC CORE		EA	
10880001	225.00	MIXING SERVICE CHRG DRY MATERIALS,			
10902505	1.00	ROTATING HEAD, WHEN USED WITH BJ-T			
10940101	448.00	DRAVAGE, PER TON MILE			

ACCOUNT	1.0000% BARTON 4.2500% KS-NEW WELL
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TAX EXEMPTION STATUS: _____ PAY THIS AMOUNT → _____



ORIGINAL

INVOICE DATE
06/14/91

DIRECT BILLING INQUIRIES TO: 713-895-5821	TERMS NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: B.J. SERVICES P.O. BOX 297476 HOUSTON, TX 77297
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PAGE 1	INVOICE NO. 635841
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AUTHORIZED BY 635841

PURCH. ORDER REF. NO.

F. G. HOLL
P.O. BOX 158
BELPRE KS 67519

WELL NUMBER : 1-5 CUSTOMER NUMBER : 8525 - 0

LEASE NAME AND NUMBER DELORES	STATE 14	COUNTY/PARISH 1409	CITY Great Bend	DISTRICT NAME 582	DISTR. NO.
JOB LOCATION/FIELD GARFIELD	MTA DISTRICT		DATE OF JOB 06/14/91	TYPE OF SERVICE LAND-LONG STRING/PRODUCT	

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10100324	1.00	CEMENT CASING 4,001 TO 4,500 FEET			
10109005	40.00	MILEAGE CHRG. FROM NEAREST BASE OF			
10409600	1.00	INSERT		GAL	
10409600	1.00	GUIDE SHOE		GAL	
10409600	4.00	CENT		GAL	
10410504	128.00	CLASS "A" CEMENT		CF	
10415018	97.00	FLY ASH		CFT	
10415038	1550.00	A-5 SALT		LB	
10415080	625.00	GILSONITE		LB	
10420145	738.00	BJ-TITAN GEL, BENTONITE, BULK SALE		LB	
10422008	31.00	CELLO FLAKE		LB	
10424005	79.00	CD-31		LB	

ACCOUNT	
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TAX EXEMPTION STATUS: