

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

API NO. 15- 081-00435-0001 **ORIGINAL**  
County Haskell  
SE - SE - NW Sec. 32 Twp. 29S Rge. 33 X X W

Operator: License # 5293  
Name: Helmerich & Payne, Inc.  
Address 1579 E. 21st Street  
City/State/Zip Tulsa, OK 74114

2970 Feet from S (circle one) Line of Section  
2310 Feet from E (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Purchaser:  
Operator Contact Person: Sharon LaVall  
Phone (918) 742-5531  
Contractor: Name:  
License:  
Wellsite Geologist:

Lease Name George Groth Well # 1  
Field Name Hugoton  
Producing Formation Chase

Designate Type of Completion  
   New Well    Re-Entry    X Workover  
   Oil    SWD    SLOW    X Temp. Abd.  
X Gas    ENHR    SIGW  
   Dry    Other (Core, WSW, Expl., Cathodic, etc)

Elevation: Ground    KB     
Total Depth 2838' PBDT 2728'  
Amount of Surface Pipe Set and Cemented at 680 Feet

If Workover:  
Operator: Helmerich & Payne, Inc.  
Well Name: George Groth 1

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 cmt.

Comp. Date 2-9-45 Old Total Depth 2838'  
   Deepening    Re-perf.    Conv. to Inj/SWD  
X Plug Back 1575' CIBP    PBDT  
   Commingled    Docket No.     
   Dual Completion    Docket No.     
   Other (SWD or Inj?)    Docket No.     
   01-23-45    02-09-45 3-20-2000  
Spud Date Date Reached TD Completion Date  
*original original*

Drilling Fluid Management Plan OWD RFR 7/12/07  
(Data must be collected from the Reserve Pit)

Chloride content    ppm Fluid volume    bbls  
Dewatering method used   

Location of fluid disposal if hauled offsite:  
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, 130 S. Market - Room 2078, 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 Sharon LaVall  
Title Eng. Tech Date 3-22-00  
Subscribed and sworn to before me this 22nd day of March  
20 00  
Notary Public Jessie Payne Harold  
Date Commission Expires August 17, 2002

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)

Operator Name Helmerich & Payne, Inc. Lease Name George Groth Well # 1

Sec. 32 Twp. 29S Rge. 33  
 East County Haskell  
 West

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input type="checkbox"/> No		
List All E.Logs Run:			

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		10 3/4	28	680		300	
Production		5 1/2	14	2836		750	

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

Shots per foot	PERFORATION RECORD <input checked="" type="checkbox"/> Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record				
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth			
	CIBP set @ 1575'						
TUBING RECORD		Size	Set At	Packer At	Liner Run		
		NA			<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumed Production, SWD or Inj.			Producing Method				
NA			<input checked="" type="checkbox"/> Flowing	<input checked="" type="checkbox"/> Pumping	<input checked="" type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls	Gas	MCF	Water Bbls.	Gas-Oil Ratio	Gravity
	NA		NA				

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled 2624'-2790'

Production Interval:  Other (Specify) \_\_\_\_\_