

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

Operator: License # N/A  
Name HELMERICH & PAYNE, INC.  
Address 21st at Utica  
City/State/Zip Tulsa, OK 74114

Purchaser KN Energy AND  
Colorado Interstate Gas

Operator Contact Person Cindy S. Records  
Phone 918/742-5531

Contractor: License # N/A\*  
Name

Wellsite Geologist N/A\*  
Phone

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd?  Inj  Delayed Comp.  
 Gas  Other (Core, Water Supply etc.)  
 Dry

If ON/O: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
12-7-54 1-11-55 2-11-55  
Spud Date Date Reached TD Completion Date  
5861' 2730'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 700 feet  
Multiple Stage Cementing Collar Used? Yes  No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt  
Cement Company Name  
Invoice #

API NO. 15- N/A  
County Seward  
C NW Sec 34 Twp 31S Rge 32 East West

3960 Ft North from Southeast Corner of Section  
3960 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

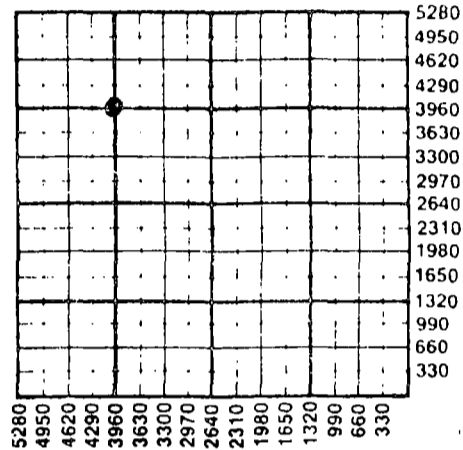
Lease Name C. S. HIGH Well # 1

Field Name Hugoton

Producing Formation Chase Series

Elevation: Ground KB 2852'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717  
Source of Water: N/A\*  
Division of Water Resources Permit #  
Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West  
Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West  
Other (explain)  
(purchased from city, R.W.D. #)

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. 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 Cindy S. Records  
Title Engineering Technician Date 12-21-87

Subscribed and sworn to before me this 21st day of December 1987  
Notary Public Linda R. Mercer  
Date Commission Expires March 15, 1991

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 CORPORATION COMMISSION Plug Other  
DEC 23 1987  
12-23-87  
Form ACO-1 (5-86)

\*N/A= Due to lack of information in files due to the age of of the well.

**SIDE TWO**

Operator Name **HELMERICH & PAYNE, INC.** Lease Name **C. S. HIGH** Well # **1**

Sec. **34** Twp. **31S** Rge. **32**  East  West County **Seward**

**WELL LOG**

**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  
 Samples Sent to Geological Survey  Yes  No N/A  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

DST's

1. 5552-5607': Rec. 7' drilling mud
2. 5809-5885': No recovery
3. 5785-5861': No recovery

Cores

1st Morrow S.d. (5492-5526')

- Top 3': dense, shaly sand & shale streaks, no show.
- Next 3': shaly sand w/thin lenses of black shale no show
- Next 1': gray & black sandy shale
- Next 2': gray & sandy shale w/streaks of sand
- Next 1': gray & black shale
- Next 4': gray & black fossiliferous shale

Name	Top	Bottom
U. Krider	2660'	
L. Krider	2697'	
Topeka Lm	3873'	
Heebner Sh	4228'	
Toronto Lm	4244'	
Lansing Lm	4336'	
Morrow Sh	5467'	
Chester Lm	5564'	
St. Genevieve	5740'	

CASING RECORD <input checked="" 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	N/A	13-3/8"	44.5	715'	N/A	700	
Production	N/A	5-1/2"	14	5753'	N/A	1300	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
6	2700'-2706'			500 gals. 15% acid		2700'-2722'	
6	2710'-2722'						
6	2662'-2680'			500 gals. 15% acid		2662'-2680'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size Set At Packer at Flowed thru casing							
Date of First Production	Producing Method						
6-55	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
	Bbls	2,800 MCF	Bbls	CFPB			

**METHOD OF COMPLETION**

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed .....  
 Commingled

2662'-2722'