

ORIGINAL

SIDE ONE

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

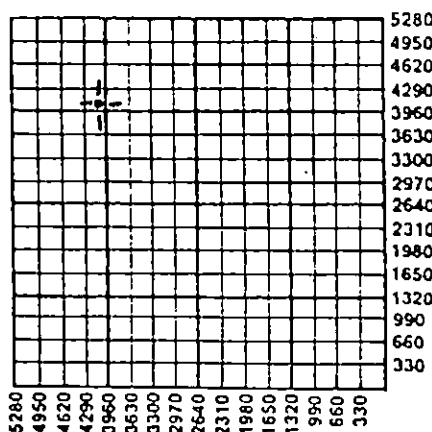
Operator: License # #5269
Name: KANSAS NATURAL GAS, INC.
Address P.O. Box #818
Hays, Kansas 67601
City/State/Zip Hays, Kansas
Purchaser: Williams Natural Gas, Inc.
Operator Contact Person: Mr. Steve Lehning
Phone (316) 675-8175 or 356-6822
Contractor: Name: Cheyenne Drilling Company
License: #5382
Wellsite Geologist: Mr. Ron Osterbuhr

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
8-18-90 8-20-90 9-7-90
Spud Date Date Reached TD Completion Date

API NO. 15- 15-081-20,646-0000
County HASKELL COUNTY
C NW 1/4 Sec. 13 Twp. 29S Rge. 33 XX East
4030' Ft. North from Southeast Corner of Section
4030' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name WRIGHT Well # A-#1-2
Field Name Hugoton - Chase Series
Producing Formation Chase Formation - Infill
Elevation: Ground 2929' GL KB 2940'KB
Total Depth 2755'KB PBTD 2750'KB



Amount of Surface Pipe Set and Cemented at 598' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 598' 2743
feet depth to Surface w/ 600 260 sks. sk mt.

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-111 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 Steve Lehning
Title Superintendent Date 10-1-90
Subscribed and sworn to before me this 1st day of October 19 90.
Notary Public Lisa A Bradford OCT 7 1990
Date Commission Expires 6/29/94
KANSAS CORPORATION COMMISSION
CONSERVATION DIVISION
Wichita, Kansas

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)



10-3-1990

PI

JAN 10 1950

SIDE TWO

Operator Name KANSAS NATURAL GAS, INC. Lease Name WRIGHT Well # A-#1-2
 Sec. 13 Twp. 29S Rge. 33 East West
 County HASKELL COUNTY

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.)
 Cement Bond Log -
 Gamma Ray Neutron Logs.

Name	Formation Description	
	Top	Bottom
T/Permian	800'	
T/Blaine	1175'	
T/Cedar Hills	1340'	
B/Cedar Hills		1500'
B/Stone Corral.		1870'
T/Chase Group	2630'	

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 Pipe	12 1/4"	8 5/8"	24#	599.27'	W/180sks. CC and 100	Pacesetter lite and 2%	2%
Production	7 7/8"	5 1/2"	14#	2743'	W/400sks. Tail w/200	Pacesetter lite pre-2%	2%

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth-
4 shots-Ft.	2660'-2668'	Acidize w/3,000 gal. of 15% HCL acid and 6 gallons of XR-20, 3 gal. I-100 and soap.	
	2684'-2692'	Frac with 60,000# Brady 12/20 sand at 49	
	2701'-2705'	Barrels per minute. Slick water frac. Total	
	2732'-2738'	fluid was 1,163 bbls. 110 units fracide.	
	(104 total shots)	4000# 100 mesh sand, 25 units B-11. 110	
		Units of U-4.	

TUBING RECORD				Liner Run
Size	Set At	Packer At		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2 3/8" BUE Tubing	2703'	None		

Date of First Production	Producing Method	Estimated Production Per 24 Hours		Gravity
Pending on Pipeline	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	Oil	Bbls.	.690
		498.5 MCFD	0	1,917.8 MCFD Open Flow

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

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval: 2660'-2668', 2684'-2692', 2701'-2705', 2732'-2738'

KANSAS NATURAL GAS CO.
 HASKELL COUNTY, KANSAS



ORIGINAL INVOICE

The Western Company of North America

P.O. BOX 94480 TULSA, OKLAHOMA 74194 (817) 731-5100

TO KANSAS NATURAL GAS, INC BOX 815 SUBLETT, KS 67877

TERMS NET CASH DUE ON OR BEFORE 30 DAYS AFTER DATE OF INVOICE

FEDERAL I.D. NO. C 75-0763484

INVOICE NO. 352835

PLEASE DISREGARD THIS INFORMATION 47255 12 25 15 1 20 9

OUR RECEIPT NO. 124054 SERVICES FROM OUR STATION AT PERRYTON CEMENTI ARRINGTON OUR ENGINEER LEHNING

Table with columns: UNITS, CODE, DEPTH AND DESCRIPTION, UNIT PRICE, AMOUNT. Includes items like CEMENT, MILEAGE CHARGE, SERVICE CHARGE, DELIVERY CHARGE, etc.

Surface Pipe 8/23/90

RECEIVED STATE CORPORATION COMMISSION OCT 3 1990 CONSERVATION DIVISION Wichita, Kansas

PAY THE AMOUNT 3,164.30



DUPLICATE ORIGINAL
INVOICE

The Western Company of North America

P.O. BOX 94480 TULSA, OKLAHOMA 74194
(817) 731-5100

TO KANSAS NATURAL GAS, INC
BOX 815
SUBLETT, KS 67877

TERMS
NET CASH DUE ON OR
BEFORE 30 DAYS
AFTER DATE OF INVOICE

FEDERAL I.D. NO. C 75-0763484

INVOICE NO.
353012

PLEASE DISREGARD THIS INFORMATION
47255 12 25 15 1 20 9

DATE	OUR RECEIPT NO.	SERVICES FROM OUR STATION AT	OUR ENGINEER	SIGNED FOR YOU BY
MO. DAY YR.				
08 20 90	124055	PERRYTON CEMENT	ARRINGTON	LEHNING
FOR SERVICING WELL NAME		COUNTY	STATE	YOUR ORDER NO.
WRIGHT 1-2		HASKELL	KS	

UNITS	CODE	DEPTH AND DESCRIPTION	UNIT PRICE	AMOUNT
250.0	C3005	ACETIC ACID 10%, PER GAL	.770	192.50
1.0	F0075	CEMNG CSNG, 1ST 8 HRS, 2501-3000'	1045.000	1,045.00
4.0	J3405	TRANSPORT SERVICE, PER HR	54.000	216.00
70.0	K1005	MILEAGE CHARGE, PER UNIT, PER MILE	2.350	164.50
35.0	K1025	MILEAGE AUTO/PICK-UP/TREATING VAN	.800	28.00
654.0	M1005	SERVICE CHARGE LAND JOBS PER CU FT	1.100	719.40
987.8	M2305	DELIVERY CHARGE PER TON MILE	.750	740.85
696.0	P0527	CALCIUM CHLORIDE-TEXAS PANHANDLE, LB	.322	224.11
150.0	P1715	CELLO-SEAL, PER LB	1.600	240.00
200.0	P392N	PREM PLUS CMT, SK, HUGOTON, KS	7.500	1,500.00
400.0	P452F	PACSETER LITE II, PERRYTON, TX	7.800	3,120.00
		SUB TOTAL		8,190.36
	90200	SALES CONCESSION ON SERVICES		1,638.07-

*L. Conert
Roy Shroy*

RECEIVED
STATE CORPORATION COMMISSION

OCT 3 1990

CONSERVATION DIVISION
Wichita, Kansas

PAY THIS AMOUNT →

6,552.29