Surface 12 1/4" 8 5/8" 24# 316' 50-50 Pozmix 200 2% CACL-2	State C	ogical Survey	4					.1	
API No. 15	WI	A BRANCH				0	00 -1/	S -12	
Operatory County Number Cities Service Co. Address 209 E William, Sutton Place 700, Wichita, Es 67202 Well No. 10 Craham "A" Footage Lection 390 feet from (E) (5) line Friegol Cambers Fringol Camber	45A5 DKILI	LOG							
Cities Service Co. Address 209 E William, Sutton Place 700, Wichita, Es 67202 Well No. 10 Less Name Craham "A" Features Leceties 390 feet from (N) (5) line Fringles Leceties 390 feet from (N) (5) line Fringles Leceties 390 feet from (N) (5) line Fringles Leceties 390 feet from (N) (5) line Total Depth 2420 P.N.T.D. 2420 P.N.T.D. CASING RECORD Report of all strings set—surface, intermediate, production, etc. Purpose of string Size hale drilled Size note drilled Size content Surface 12 1/4" 8 5/8" 24# 316' 50-50 Pozmix 200 2% CACL-2 Production 7 7/8" 4 1/2" 9.5 # 2419' 50-50 Pozmix 200 10% Salt +. LINER RECORD LINER RECORD PERFORATION RECORD TUBING RECORD 1 1/2" 2237' - 23 ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of meterial used 500 gal. 15% MCA. Fractured with 3000 gal. pad, 1200 gal. 10-20 sand and 1860 gal. gelled water INITIAL PRODUCTION Dete of first preduction Production Production pages lift, etc.)	11140.15								
Address 209 E William, Sutton Place 700, Wichita, Ke 67202 Well No. 10 Craham "A" Feetgee Lecetion 390 feet from (N) (5) line Craham "A" Forloge Lecetion 390 feet from (N) (5) line Fringlead Contracting Annitation of Cash of Good feet from (E) (WK line) Fringlead Contracting Annitation of Cash of Good feet from (E) (WK line) Fringlead Completed 10-5-78 Total Depth 10-5-78 Pagent of all strings set—surface, intermediate, production, etc. Purpose of string Size hole drilled Size coaling set (In 0.0.) Surface 12 1/4" 8 5/8" 24# 316' 50-50 Pozmix 200 2% CACL-2 Production 7 7/8" 4 1/2" 9.5 # 2419' 50-50 Pozmix 200 10% Salt +. D. V. tool at 756' TUBING RECORD Top, It. Bottom, It. Sacks cement Shots per It. Size 6 type Depth intervel treated 500 gal. 15% MCA. Fractured with 3000 gal. pad, 1200 gal. 10-20 sand and 1860 gal. gelled water INITIAL PRODUCTION Production Freduction Freduc	Decrator Decrator								
Value Valu		Service Co.						N	
10 Graham "A" Feotrage Locerlons 29 8 56.1 33 566 561 10.2 560 562 563 564	209		Place 700,	Wichita	, Ks	67202	160	160	
### Total Part			m "A"						
Principal Centrates (Nordman-Lannitti Oil Co. Sam Houston Spud Daho 10-5-78 Date Completed 11-20-78 CASING RECORD Report of all strings set— surface, intermediate, production, etc. Purpose of string Size hole drilled Size earing set (No.) Surface 12 1/4" 8 5/8" 24# 316' 50-50 Pozmix Surface 12 1/4" 9.5 # 2419' 50-50 Pozmix D. V. tool a 756' LINER RECORD TUBING RECORD TUBING RECORD TUBING RECORD TUBING RECORD ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval treated 500 gal. 15% MCA. Fractured with 10-5-78 Production		2987 FSL : 331	16 FEL- ICCC						
Total Depth P.B.T.D. Locate well raysythy	1001 11		1001				160	160	
10-5-78 2420'			The second secon				Locate	e well carrectly	
CASING RECORD Report of all strings set—surface, intermediate, production, etc. Purpose of string Size hole drilled Size casing set (inc.D.) of the C.D. of the			The state of the s					1/41	
CASING RECORD Report of all strings set — surface, intermediate, production, etc.				rvice Co			F1744	кв 1746'	
Purpose of string Size hole drilled Size casing set Weight lbs/ft. Setting depth Type cement Sacks Type and percendiditives									
Purpose of string Size hole drilled Size cosing set Weight lbs/ft. Setting depth Type cement Sacks Type and percendiditives	Report of all st	et — surface, intermedia	ate, production, et	rc.					
Surface 12 1/4" 8 5/8" 24# 316' 50-50 Pozmix 200 2% CACL-2					Т	ype cement	Sacks	Type and percent additives	
LINER RECORD PERFORATION RECORD Top, ft Bottom, ft. Sacks cement Shots per ft. Size & type Depth interval TUBING RECORD 1 1/2" 2237' - 23. Size 2" Setting depth 2340' Packer set at ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval treated 500 gal. 15% MCA. Fractured with 2237' - 2341' 3000 gal. pad, 1200 gal. 10-20 sand and 1860 gal. gelled water INITIAL PRODUCTION Date of first production Production enthal (flowing, pumping, gas lift, etc.)	urface						200	2% CACL-2	
LINER RECORD Top, ft Bottom, ft Sacks cement Shots per ft. Size 6 type Depth interval TUBING RECORD TUBING RECORD ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval treated 500 gal. 15% MCA. Fractured with 2237' - 2341' 3000 gal. pad, 1200 gal. 10-20 sand and 1860 gal. gelled water INITIAL PRODUCTION Date of first production Producing method (flowing, pumping, gas lift, etc.)	roduction	7 7/8" 4 1/2" 9.5 # 2419' 50-50 Pozm		50 Pozmix	200	10% Salt +.75%			
TUBING RECORD TUBING RECORD 1 1/2" 2237' - 23. Size 2" Setting depth 2340' Packer set at ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval treated 500 gal. 15% MCA. Fractured with 2237' - 2341' 3000 gal. pad, 1200 gal. 10-20 sand and 1860 gal. gelled water INITIAL PRODUCTION Date of first production Producing method (flowing, pumping, gas lift, etc.)					D.	V. tool a	756'		
TUBING RECORD TUBING RECORD 1 1/2" 2237' - 23. Size 2" Setting depth 2340' Packer set at ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval treated 500 gal. 15% MCA. Fractured with 2237' - 2341' 3000 gal. pad, 1200 gal. 10-20 sand and 1860 gal. gelled water INITIAL PRODUCTION Date of first production Producing method (flowing, pumping, gas lift, etc.)		INED DECORD	1			DEDEODA	TION DECO	PD	
Size 2" Setting depth 2340" Packer set at ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval treated 500 gal. 15% MCA. Fractured with 2237' - 2341' 3000 gal. pad, 1200 gal. 10-20 sand and 1860 gal. gelled water INITIAL PRODUCTION Date of first production Producing method (flowing, pumping, gas lift, etc.)	ft.		ks cement	Shots	per ft.				
Size 2" Setting depth 2340" Packer set at ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval treated 500 gal. 15% MCA. Fractured with 2237' - 2341' 3000 gal. pad, 1200 gal. 10-20 sand and 1860 gal. gelled water INITIAL PRODUCTION Date of first production Producing method (flowing, pumping, gas lift, etc.)									
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval treated 500 gal. 15% MCA. Fractured with 2237' - 2341' 3000 gal. pad, 1200 gal. 10-20 sand and 1860 gal. gelled water INITIAL PRODUCTION Date of first production Producing method (flowing, pumping, gas lift, etc.)					1 1/2'		1	2237' - 2341'	
Amount and kind of material used 500 gal. 15% MCA. Fractured with 2237' - 2341' 3000 gal. pad, 1200 gal. 10-20 sand and 1860 gal. gelled water INITIAL PRODUCTION Date of first production Producing method (flowing, pumping, gas lift, etc.)	2"	2340 Pac	ker set at						
500 gal. 15% MCA. Fractured with 3000 gal. pad, 1200 gal. 10-20 sand and 1860 gal. gelled water INITIAL PRODUCTION Date of first production Producing method (flowing, pumping, gas lift, etc.)		ACID, FRA	ACTURE, SHOT,	CEMENT SQ	UEEZE	RECORD			
3000 gal. pad, 1200 gal. 10-20 sand and 1860 gal. gelled water INITIAL PRODUCTION Date of first production Producing method (flowing, pumping, gas lift, etc.)		Amount and kind	d of material used				De	epth interval treated	
and 1860 gal. gelled water INITIAL PRODUCTION Date of first production Producing method (flowing, pumping, gas lift, etc.)	00 gal. 15	A. Fractured w	ith				2237' - 2341'		
and 1860 gal. gelled water INITIAL PRODUCTION Date of first production Producing method (flowing, pumping, gas lift, etc.)	000 021 1	1200 cal 10-	20 cand						
INITIAL PRODUCTION Date of first production Producing method (flowing, pumping, gas lift, etc.)			20 Saliu		-				
Date of first production Producing method (flowing, pumping, gas lift, etc.)	nd 1860 ga	elled water							
			INITIAL PI	RODUCTION					
		Prod		ving, pumping,	gas lift,	etc.)			
PATE OF PRODUCTION Oil Gas Water Gas-oil ratio					V		Ge	as-oil ratio	
PER 24 HOURS 13 bbls. MCF 65 bbls. C Disposition of gas (vented, used on lease or sold) Producing interval(s)	24 HOURS		bbis.		MCF			СЕРВ	

15-11-7-didid

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Cities Service Co.	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:						
Vell No. Lease Name Graham ''A''							
28 T145 R 13 W	State Property						
WELL LOG Show all important zones of perosity and contents thereof; cored in cluding depth interval tested, cushion used, time tool open, flowing a	SHOW GEOLOGICAL MARKERS, LOGS RUN OR OTHER DESCRIPTIVE INFORMATION.						
FORMATION DESCRIPTION, CONTENTS, ETC.	ТОР	воттом	NAME	DEPTH			
(see log attached)							
USE ADDITIONAL SHEETS, IF	NECESSARY, TO	COMPLETE W	ELL RECORD.				
	Region Operations Man						
	Novemb	November 22, 1978 Title					
The state of the s			Date				

5 . . .

K. T. WOODMAN
RES. PHONE 733-0418
OFF. PHONE 265-7650
WIGHITA, KANSAS

D. J. IANNITTI PHONE 792-2921 GREAT BEND, KANBAS

28-14-15W

WOODMAN & JANNITTI DRILLING COMPANY

Rotary Drilling Contractors

1008 DOUGLAS BUILDING 104 S. BROADWAY WICHITA, KANSAS 67202

October 12, 1978

Company;
Farm;
Location
Section;
County;
Contractor;
Comm;
Comp1;
Total Depth;
Casing;

Cities Service Company
Graham "A" #10
C S/2 SE SW
28-14-13W
Russell
Woodman & Iannitti Drilling Co.
October 5, 1978
October 9, 1978
2420'
8 5/8 @ 314 w/200 sx.
4 1/2 @ 2419 w/200 sx.

Figures Indicate Bottom Of Formations:

River sand
Hard sand
Iron pyerite
Shale & hard sand
Shale & redbed
Nahy
Shale
Shale & lime
Lime & shale
Shale & lime

I certify the above to be a true and correct copy of the driller's log to the best of my knowledge and belief.

Woodman & Vannitti Drilling Co.

D. J. Iannitti