



JAN 1990

SIDE TWO

Operator Name Hugoton Energy Corp. Lease Name Bowker Well # 1-28  
 East County Morton  
 Sec. 28 Twp. 32S Rge. 40W  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  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

Formation Description		
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
Name	Top	Bottom
Krider	2256	
Winfield	2317	
Council Grove	2547	
Heebner Shale	3682	
Marmaton	4428	
Morrow Shale	5044	
Chester	5556	
St. Gen.	5621	
St. Louis	5676	

DST #1 5401-93 Lower Morrow. Times 30, 60, 60, 120. Recovered 365' GCM; 120' GCWM, 120' GCSW. GTS 7" Max 30 MCFD IFP 145-225; ISIP 1160; FFP 193-274; FSIP 1160.

CASING RECORD  New  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	12-1/4"	8-5/8"	24#	1583'	35-65 Poz	550	2% cc
Production	7-7/8"	4-1/2"	10.5#	5635	Class "C"	125	2% cc
					Lite Wt.	780	
					Class "C"	250	

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	5477 - 5487 (10')	Squeezed	
2	5477 - 5481 (4')	Natural	

TUBING RECORD Size N/A Set At \_\_\_\_\_ Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production N/A Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	-0-	150	10		

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 5477-5481



DOWELL SCHLUMBERGER INCORPORATED

COPY

ORIGINAL

REMIT TO: P.O. BOX 890788 DALLAS TX 75389-0788

INVOICE

#312

INVOICE DATE: 11/15/90

910069 HUGOTON ENERGY SUITE 500 229 E WILLIAM WICHITA KS 67202

PAGE 1

INVOICE NUMBER: 03-12-3291

TYPE SERVICE: CEMENTING CEMENT SURFACE C

Table with columns: WELL NAME/NOBSITE, STATE, COUNTY/CITY, SERVICE FROM LOCATION, SHIPPED VIA, CUSTOMER P.O. NO./REF, LOCATION/PLANT ADDRESS, DATE OF SERVICE ORDER, CUSTOMER OR AUTHORIZED REPRESENTATIVE

Main item table with columns: ITEM CODE, DESCRIPTION, UOM, QTY, UNIT PRICE, AMOUNT

SUB TOTAL -- 6,784.84

4,747.28 201.76

4,747.28 47.47

AMOUNT DUE -- 7,034.07

FEB 5 1991

CONSERVATION DIVISION Wichita, Kansas

H C STATE TAX ON H F C LOCAL TAX ON

WITH QUESTIONS CALL 316-356-1272 FEDERAL TAX ID # 38-239-7173 TERMS -- NET 30 DAYS DUE ON OR BEFORE DEC 15, 1990

THANK YOU. WE APPRECIATE YOUR BUSINESS.

Darryl A. Kolstad G A KOLSTAD



REMIT TO: P O BOX 890788  
DALLAS TX 75389-0788

INVOICE

INVOICE DATE  
11/27/90

ORIGINAL

0312

918069  
HUGOTON ENERGY  
SUITE 500  
229 E WILLIAM  
WICHITA KS 67202

PAGE

INVOICE NUMBER  
03-12-3323

TYPE SERVICE  
CEMENTING  
CEMENT PRODUCTIO

DOWELL NAME/JOB SITE <i>Bowker</i>	STATE KS	COUNTY HASKELL	CITY	SERVICE FROM LOCATION ULYSSES KS	SHIPPED VIA DS	CUSTOMER P.O. NO/REF
LOCATION/PLANT ADDRESS SEC 28-328-40W	DATE OF SERVICE ORDER 11/27/90		CUSTOMER OR AUTHORIZED REPRESENTATIVE TERRY MAXWELL			

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
059200062	MILEAGE, ALL OTHER EQUIPMENT	MI	28	2.6500	74.20
102871060	CSNG CMNT 5501-6000' 1ST 8HR	8HR	1	1,485.0000	1,485.00
049102000	TRANSPORTATION CMNT TON MILE	MI	1341	.8000	1,072.80
049100000	SERVICE CHG CEMENT MATL LAND	CFT	1098	1.1500	1,262.70
059697000	PACK TREAT ANALYSIS RECORDER	JOB	1	125.0000	125.00
040003000	0903, CEMENT CLASS C	CFT	757	7.7500	5,866.75
045000000	D35, LITEPOZ 3 EXTENDER	CFT	273	3.5000	955.50
045014050	D20, BENTONITE EXTENDER	LBS	4072	.1600	651.52
044003025	D29, CELLOPHANE FLAKES	LBS	258	1.4500	374.10
044002050	D60, FLAC FLUID LOSS ADDITIV	LBS	118	7.1000	837.80
050101044	SHOE CEM TYPE GUIDE 4-1/2"	EA	1	110.0000	110.00
053003044	INSERT DRIFICE FILL 4-1/2"	EA	1	190.0000	190.00
056011044	CENTR REG 4-1/2" B DIA 7-3/4"	EA	8	50.0000	400.00
056009044	BASKET CENG CASING 4-1/2"	EA	3	140.0000	420.00
056704044	PLUG CENG 4-1/2" TOP AL CORE	EA	1	74.0000	74.00
	DISCOUNT - MATERIAL				2,785.30
	DISCOUNT - SERVICE				1,125.52
				SUB TOTAL --	10,007.55
M C	STATE TAX ON			7,113.37	302.31
H F C	LOCAL TAX ON			7,113.37	71.13
				AMOUNT DUE --	10,380.99

FEB 5 1991

CONSERVATION DIVISION  
Wichita, Kansas

WITH QUESTIONS CALL 316-356-1272  
FEDERAL TAX ID # 38-239-7173  
TERMS -- NET 30 DAYS DUE ON OR BEFORE DEC 27, 1990

THANK YOU, WE APPRECIATE YOUR BUSINESS.

*Darryl A Kolstad*  
D A KOLSTAD