

COMPANY Columbia Gas Development Corporation
 LEASE NAME & NO. New Mexico State # 1
 INTERVAL TESTED 10,407' to 10,457' (50')

COUNTY Lea
 STATE New Mexico
 FORMATION Bugh "B"

DATE August 20, 1992
 TICKET # 7186
 TEST # 1

DRILL STEM TEST DATA

BOTTOM HOLE CHOKE	5/8"	SURFACE	1	Adj.	CUSHION	None	EL. ATION	4145'	G.L.
TIME TOOL OPENED	2:06 P.M.		RECORDER DATA						
TOOL OPEN BEFORE I.S.I.P.	30	MIN.	TYPE	AK-1		CAPACITY	8375#		
INITIAL SHUT-IN	1	HRS.	0	MIN.	TOP	5664	DEPTH	10,390	
TOOL OPEN	1	HRS.	0	MIN.	BOTTOM	13478	DEPTH	10,454	
FINAL SHUT-IN	2	HRS.	0	MIN.	CLOCK: TOP	18 hr.	BOTTOM	24 hr.	
SURFACE ACTION Pre-flow: Open with a strong blow, with GTS @ 8 min., with 10 psi on 1/2" choke, increasing to 13 1/2 psi @ 15 min. = 138 mcf/d. Decreased to 10 1/2 psi @ 30 min. = 119 mcf/d.									
Final Flow: Open with a weak blow, open to pit @ 5 min. on 1/2" choke, blow increased to a maximum @ 10 min. of 8 psi = 101 mcf/d. Blow decreased at 20 min., 7 psi = 94.5 mcf/d: 30 min. 4 psi = 68.8 mcf/d.: 40 - 50 min. 35 oz. = 47 mcf/d.: 60 min. 25 oz. = 39 mcf/d.									
RECOVERY									
Reversed Out Approximately 30 BBLs Oil with some Gas and Oil cut Mud.									
No sign of formation water									
Gravity 41.9 @ 60°									
SUCCESSFUL TEST yes									

	RECORDER NO.
	5664
(INITIAL HYDROSTATIC PRESSURE)	5271.7 P.S.I.
(INITIAL PRE-FLOW PRESSURE)	350.1 P.S.I.
(FINAL PRE-FLOW PRESSURE) 30 MIN.	405.4 P.S.I.
(INITIAL SHUT-IN PRESSURE) 60 MIN.	3424.2 P.S.I.
(INITIAL FLOW PRESSURE)	469.1 P.S.I.
(FINAL FLOW PRESSURE) 60 MIN.	740.1 P.S.I.
(FINAL SHUT-IN PRESSURE) 120 MIN.	3192.1 P.S.I.
(FINAL HYDROSTATIC PRESSURE)	5190.4 P.S.I.

HOLE AND MUD DATA

TOTAL DEPTH	10,457	MAIN HOLE	7 7/8
DEPTH OF CSG.	4,485	CASING SIZE	8 5/8
MUD WT.	9.5	VISCOSITY	36
WATER LOSS	19.2	CAKE	2/32
TYPE MUD	Salt Gel		
CHLORIDE	38,000 PPM		
RESISTIVITY	.14 @ 60 °F		

TOOL DATA

NO. PACKERS		2		
SIZE PACKERS		6 3/4"		
CONVENTIONAL TEST yes				
TYPE TOOL	DEPTH	LENGTH	I.D.	O.D.
4½ XH DP		9427	3.8	4.5
4½ XH DC		847	2.3	6.25
Cir Sub	10,274	1		
3 DC		93		
X-0		1		
Shut-in		6		
Sampler		3		
Hyd Tool		5		
Jars		6		
Recorder		5		
Safety Jt.		2		
Packer	10,401	6		
Packer	10,407	6		
Perf				
1 DC				
Perf				
Recorder		50'		
DRLG CONT.		Grace Drlg		FIG #256

SAMPLER REPORT

PRESSURE IN SAMPLER	450	PSI
BHT 197 °F @	10,389	F.T.
OIL:	460	CC.
WATER:	0	CC.
MUD:	440	CC.
GAS:	4.685	CU.FT.
RESISTIVITY .14 @	60	°F
CHLORIDE	38,000	PPM.
GRAVITY 41.9 °API @	60	°F
CAPACITY	1800	

MARKS: _____

TER Don Terhune

ROVED BY: Al Fearn