STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

RECEIVED
OCT 4 1982
OIL CON. COM.
DIST. 3

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Type Test: ☒ Initial ☐ Annual ☐ Special			Test Date: 9/28/82	
Company: Union Texas Petroleum Corp.	Connection: El Paso Natural Gas Co.			Unit
Pool: Basin	Formation: Dakota			
Completion Date: 8/10/82	Total Depth: 7225	Plug Back TD: 7167	Elevation: 6783	Farm or Lease Name: Jicarilla "N"
Csg. Size: 5.500 / Wt.: 15.50 / d: 4.950 / Set At: 7211		Perforations: From 7042 To 7118		Well No.: 2-E
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 7070		Perforations: From OPEN-ENDED To		Unit: P / Sec.: 3 / Twp.: 24N / Rge.: 5W
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: Single		Packer Set At: —		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
7060		0.680						

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	2"		3/4"				1312		1312		7 DAYS
1.							76	55°	460		3 HOURS
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		88	1.0048	0.9393	1.000	1027
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1324 P_c^2 1,752,976

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		412	222,784	1,530,192
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1456$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1073$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1137$

Absolute Open Flow 1137 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	DOYAL PARRET	KEN RODDY	