OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

RECEIVED
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OIL CON. DIV.
DIST. 3

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 1/30/84	
Company: Union Texas Petroleum Corp.		Connection: El Paso Natural Gas Company			
Pool: Basin		Formation: Dakota		Unit:	
Completion Date: 1/2/84	Total Depth: 6823	Plug Back TD: 6790	Elevation: 6362	Farm or Lease Name: Newsom "B"	
Csg. Size: 7.000 / Wt.: 23.00 / d: 6.366 / Set At: 6823		Perforations: From 6564 To 6728		Well No.: 7-E	
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 6636		Perforations: From Open Ended To		Unit: K / Sec.: 8 / Twp.: 26N / Rge.: 8W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual - Gas - Oil		Packer Set At: 6440		County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico	
L: 6626	H:	Gg: 0.700	% CO_2:	% N_2:	% H_2S:
Prover:	Meter Run:	Taps:			

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	2"	3/4"				1202				7 days
1.						120	68°			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		132	0.9924	0.9258	1.015	1522
2.							
3.							
4.							
5.							

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

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

P_c 1214 P_c^2 1,473,796

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			75,989	1,397,807
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0544$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0405$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1584$

Absolute Open Flow 1584 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Bruce Voiles	Ken Roddy	