NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
OCT 05 1984
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 10/3/84	
Company: Union Texas Petroleum Corp.			Connection: Southern Union Gathering Company		
Pool: Basin			Formation: Dakota		Unit
Completion Date: 8/9/84	Total Depth: 6512		Plug Back TD: 6463	Elevation: 5695	Farm or Lease Name: McCord
Csg. Size: 4.500 / Wt.: 11.60 / d: 4.000 / Set At: 6512			Perforations: From 6242 To 6408		Well No.: 1-E
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 6399			Perforations: From 6336 To 6342		Unit: E / Sec.: 15 / Twp.: 30N / Rge.: 13W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: -----		County: San Juan
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
6329		0.650						

	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"				1920		2000		7 days
1.						298	85°	696		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		310	0.9768	0.9608	1.025	3687
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 2012 P_c^2 4,048,144

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		708	501,264	3,546,880
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1413$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1041$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4071$

Absolute Open Flow 4071 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Floyd Woodward	Ken Roddy	