NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 8-4-80		
Company: Odessa Natural Corporation		Connection:			
Pool: Undesignated Pict. Cliffs		Formation: Pictured Cliffs		Unit:	
Completion Date: 7/24/80	Total Depth: 4040'	Plug Back TD: 3778	Elevation: 7004 BR	Farm or Lease Name: Shipley	
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 4034		Perforations: From 2966' To 2975'		Well No.: 3	
Tbg. Size: 1.380 / Wt.: 2.40 / d: 1.380 / Set At: 2968		Perforations: From open To Ended		Unit: A / Sec.: 33 / Twp.: 24N / Rge.: 3W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At:		County: Rio Arriba	
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 12.0	State: New Mexico	

L	H	Gg	% 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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI						975		1000		7 days
1.	3/4" T.H.C.					100		300		3 hrs.
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		112	1.0000	1.0000	1.0000	1385
2.							
3.							
4.							
5.							

NO.	P_r	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 1012 P_c^2 1,024,144

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		312	97,344	
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1000$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0844$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1502$

Absolute Open Flow 1502 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Gary Gomez	Dewayne Blancett	