

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP O BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 12-03-87	
Company UNION TEXAS PETROLEUM		Connection Sunterra Gas Gathering Company	
Pool Blanco		Formation Mesaverde	
Completion Date 11-25-87		Total Depth 5981	
Plug back TD 5939		Elevation 6430' GL	
Farm or Lease Name Seymour		Well No. 2B	
Cas. Size 7.000 4.500 10.5	Wt. 23.0	d 6.366 4.052	Set At 3583 3389-5981
Perforations: From 4823 To 5675		Well No. 2B	
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 5700
Perforations: From 5669 To 5675		Unit Sec. Twp. Rge. F 24 31N 9W	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single - Gas		Packer Set At	
County San Juan		State New Mexico	
Producing Thru		Reservoir Temp. °F 8	
Mean Annual Temp. °F		Baro. Press. - P _a 12	
L	H	G _g 0.685	% CO ₂ % N ₂ % H ₂ S
Prover		Meter Run Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow		
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
SI	2"		3/4"				360		360		8days
1.							70	54°	300	54°	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 O, Mcd
1	12,3650		82	1.0058	0.9359	1.012	966
2.							
3.							
4.							
5.							

NO.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio	Mci/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbon	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _i ²	P _w ²	P _e ²	P _e ² - P _w ²
1		312	97,344	41,040
2.				
3.				
4.				
5.				

$$(1) \frac{P_e^2}{P_e^2 - P_w^2} = 3.3719$$

$$AOF = Q \left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 2.404$$

$$(2) \left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 2.4882$$

Absolute Open Flow	2.404	Mcd @ 15.025	Angle of Slope @	Slope, n	0.75
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Remarks: Flowed light mist of oil.

Approved By Division	Conducted By: Connie Clevenger	Calculated By: John C. Rector	Checked By:
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