EW MEXICO OIL CONSERVATION CO SION

MULTIPOIN AND ONE POINT BACK PRESSURE T T FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

JAN 28 1975

O. C. C.
ARTESIA, OFFICE

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 1-14-75	
Company: Texas Pacific Oil Company, Inc.		Connection: No			
Pool: Morrow		Formation: Kennedy Farm		Unit	
Completion Date: 1-11-75	Total Depth: 8806'	Plug Back TD: 8774'	Elevation: 3318 GL	Farm or Lease Name: J. H. Angley	
Csg. Size: 5 1/2"	Wt.: 17#	d	Set At: 8806'	Perforations: From 8538' To 8562'	Well No.: 1
Tbg. Size: 2 3/8"	Wt.: 4.7#	d	Set At: 8505'	Perforations: From To	Unit: A Sec.: 27 Twp.: 17-S Rge.: 25-E
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: Single			Packer Set At: 8481'		County: Eddy
Producing Thru: Tubing	Reservoir Temp. °F: 168 @ 8400'	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
8505	8505	.614	.21	.44	0		4.026	Flange

NO.	FLOW DATA: Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							2719		Packer		[illegible]
1.	4.026		2.0	675	6.0	83	2589	75	0		60 Min.
2.	4.026		2.0	675	16	78	2451	68	0		60 Min.
3.	4.026		2.0	675	38	78	2218	70	0		60 Min.
4.	4.026		2.0	675	75	74	1834	70	0		60 Min.
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	10.81	64.26	688.2	.9768	1.276	1.054	1672
2.	10.81	104.93	688.2	.9831	1.276	1.056	2754
3	10.81	161.71	688.2	.9831	1.276	1.056	4244
4.	10.81	227.19	688.2	.9868	1.276	1.057	5990
5.							

NO.	P_t	Temp. °R	T_r	Z
1	1.02	545	1.31	.901
2.	1.02	538	1.29	.897
3.	1.02	538	1.29	.897
4.	1.02	534	1.28	.895
5				

Gas Liquid Hydrocarbon Ratio: 71.86 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: 53.5 @ 60 Deg.
Specific Gravity Separator Gas: .614 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 672 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 361 R ____ R

P_c 3426.2 P_c^2 11807.5

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		3283.2	10779.4	1028.1
2		3152.2	9936.4	1871.1
3		2945.2	8674.2	3133.3
4		2638.2	6944.3	4863.2
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{11807.5}{4863.2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.086$

AOF = $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 12.496$

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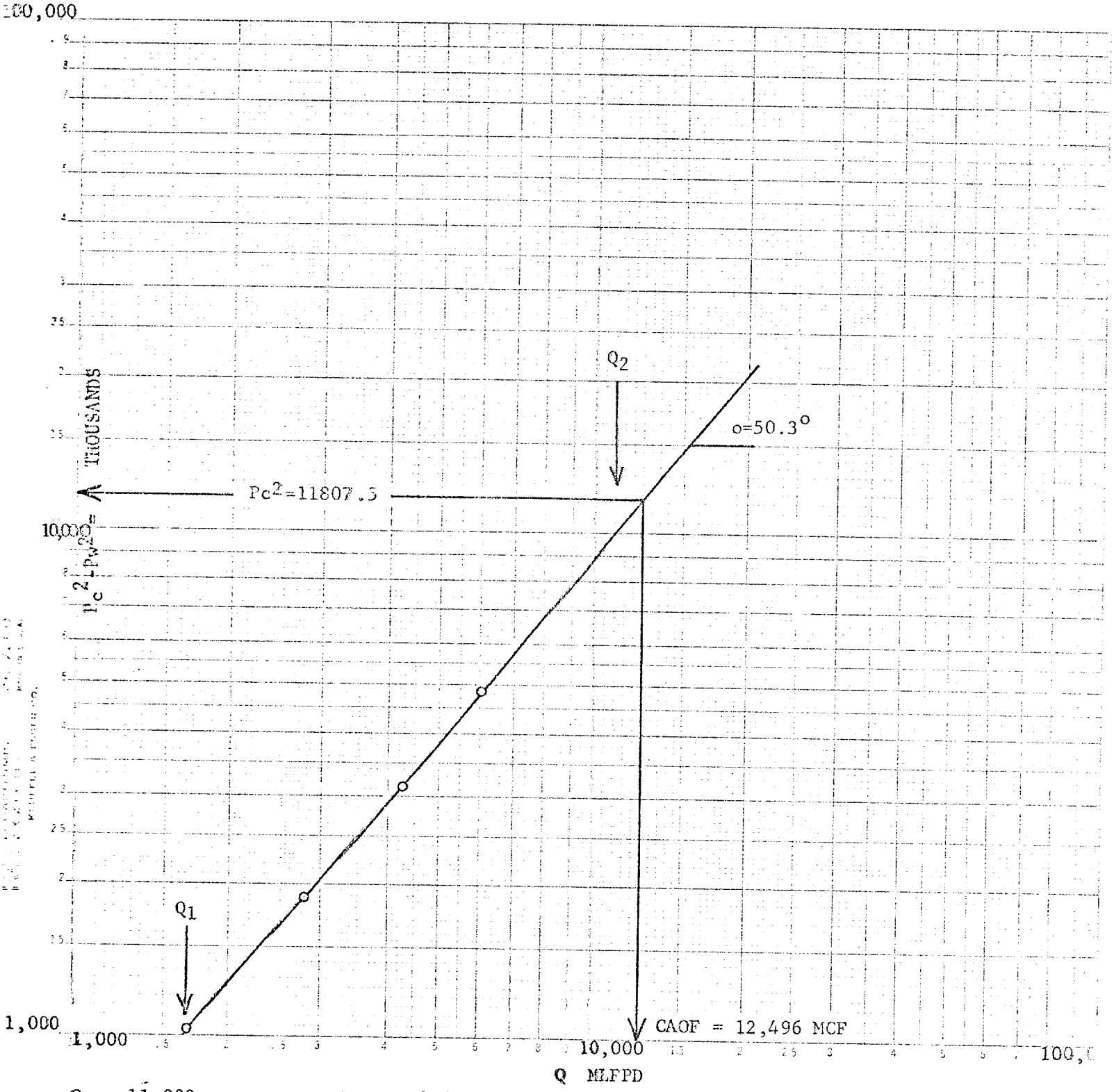
Absolute Open Flow: 12.496 Mcfd @ 15.025 | Angle of Slope θ: 50.3 | Slope, n: .829

Remarks: PW substituted for PT - Measured with Amerada Inst. No. 35116 - Element 5500# @ 8400', pressures extrapolated to 8550' (Mid Perf).

Approved By Commission:	Conducted By:	Calculated By:	Checked By:

TEXAS PACIFIC OIL CO., INC.
J. H. ANSLEY UNIT NO. 1
N/2 Section 27, T-17-S, R-26-E
Eddy County, New Mexico
January 17, 1975



Q_1 = 11,000
Q_2 = 1,630

LOG Q_1 = 4.041393
LOG Q_2 = 3.212187
n = .829206 = .829