0+4-NMOCD-Artesia
1-File
1-Engr PWS
1-Foreman HS

95T File

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65

RECEIVED BY
APR 20 1984
O. C. D.
ARTESIA, OFFICE

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 4/16/84	
Company: GETTY OIL COMPANY ✓	Connection: NONE			
Pool: PECOS SLOPE ABO	Formation: ABO			Unit
Completion Date: 4/11/84	Total Depth: 4200		Plug Back TD: 4156	Elevation: 3755.7
Farm or Lease Name: Getty P.S.7 Federal				
Csg. Size: 4.5	Wt.: 10.5	d: 4.052	Set At: 4200	Perforations: From 3772 To 3924
Well No.: 2				
Tbg. Size: 2 3/8"	Wt.: 4.7	d: 1.995	Set At: 3726	Perforations: From Open To Ended
Unit: K	Sec.: 7	Twp.: 6	Rge.: 26	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None	County: Chaves
Producing Thru: Tbg.	Reservoir Temp. °F: 99 @ 4200'	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
		0.704	7.415	4.150	--	--	3"	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									
1.	3" x 1"	300	10	73	937	73	940	73	.5 hr.
2.	3" x 1"	300	19	73	930	73	935	73	.75 hr.
3.	3" x 1"	300	39	73	912	73	927	73	.5 hr.
4.	3" x 1"	300	98	73	880	73	912	73	.75 hr.
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	4.801	55.96	313.2	0.9877	1.192	1.027	324.85
2	4.801	77.14	313.2	0.9877	1.192	1.027	447.86
3	4.801	110.52	313.2	0.9877	1.192	1.027	641.57
4	4.801	175.20	313.2	0.9877	1.192	1.027	1017.04
5							

NO.	P_r	Temp. °R	T_r	Z
1	0.45	553	1.46	0.949
2	0.45	553	1.46	0.949
3	0.45	553	1.46	0.949
4	0.45	553	1.46	0.949
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas 0.704 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 668 P.S.I.A. _____ P.S.I.A.
Critical Temperature 392 R _____ R

P_c 966.2 P_c^2 933.54

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		953.2	908.59	24.95
2		948.2	899.08	34.46
3		940.2	883.98	49.56
4		925.2	856.00	77.54
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 6.265$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6.129$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 12,258$

Post ID-2
9-28-84
Comp + BK

Absolute Open Flow 12,258 Mcfd @ 15.025
Angle of Slope θ _____
Slope, n 0.988

Remarks: The 95% and 75% flowing pressure criteria was not met in order to avoid returning Frac sand and to minimize waste.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Krafft	Phil Smith	Don Steinard