NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED BY
JAN 15 1985
O C D
ARTESIA, OFFICE

cc: SF File

Type Test: 4 POINT [X] Initial [ ] Annual [ ] Special		Test Date: 12-21-84	
Company: FLORIDA EXPLORATION	Connection: TO AIR		
Pool: Wildcat Morrow	Formation: MORROW	Unit:	
Completion Date: 12-18-84	Total Depth: 10750	Plug Back T.D.: 10720	Elevation: 4095 GL
Farm or Lease Name: CHAMA COM			
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.052 / Set At: 10750	Perforations: From 10282 To 10520		Well No.: 1
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 10146	Perforations: From To		Unit: B / Sec.: 11 / Twp.: 22 S / Rge.: 27 E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At: 10146		County: EDDY
Producing Thru: TUBING	Reservoir Temp. °F: 204.8 10401	Mean Annual Temp. °F: 60.0	Baro. Press. – P_a: 13.2
			State: NEW MEXICO

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
10401	10401	0.623	0.88	0.15	0.	0.	4.0	FLANGE

FLOW DATA / TUBING DATA / B.H.P. 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	B.H.P. p.s.i.g.	CHOKE	Duration of Flow
SI								3752.		72.0
1.	4.03	X 2.000	170.	3.5	95.	0.	0.	3517.	6/64	1.0
2.	4.03	X 2.000	170.	7.0	77.	0.	0.	3350.	8/64	1.0
3.	4.03	X 2.000	180.	15.0	80.	0.	0.	3023.	8/64	1.0
4.	4.03	X 2.000	180.	24.0	74.	0.	0.	2546.	8/64	1.0
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	19.81	25.32	183.2	0.9680	1.2669	1.0133	623.
2	19.81	35.81	183.2	0.9840	1.2669	1.0152	898.
3	19.81	53.83	193.2	0.9813	1.2669	1.0157	1347.
4	19.81	68.09	193.2	0.9868	1.2669	1.0165	1715.
5							

NO.	P_t	Temp. °R	T_r	Z
1	0.27	555.	1.53	0.974
2	0.27	537.	1.48	0.970
3	0.29	540.	1.48	0.969
4	0.29	534.	1.47	0.968
5				

P_c 2420.1 P_c^2 5857.

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	12462.	2233.	4988.	869.
2	11311.	2104.	4426.	1431.
3	9219.	1862.	3468.	2389.
4	6550.	1540.	2373.	3484.
5				

Gas Liquid Hydrocarbon Ratio 4.3 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 62.0 Deg.
Specific Gravity Separator Gas 0.623 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX 0.916
Critical Pressure 675. P.S.I.A. 660. P.S.I.A.
Critical Temperature 364. R 455. R

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6810$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4610$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2505.$

Absolute Open Flow 2505. Mcfd @ 15.025 Angle of Slope θ 53.9 Slope, n 0.730

Remarks: BOTTOM HOLE PRESSURES MEASURED WITH AMERADA PRESSURE ELEMENTS.

44.5 BBLS CONDENSATE AT 62 GRAVITY

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	RICHARD TOWNLEY	BENNETT & CATHEY INC.