dst. File

Form C-122 Revised 9-1

NEW MEXICO OIL CONSERVATION COMMISSION

MULTI-POINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED BY NOV 14 1985 O. C. D. ARTESIA, OFFICE

Type Test			Test Date
☐ Initial	☐ Annual	☒ Special	5-14-85

Company	Connection
✓CHAMA	TO AIR NEW WELL

Pool	Formation	Unit
~~W.D.~~ [illegible]	MORROW	

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
5-4-85	~~9264~~ 9256	9130	3467	OSAGE BOYD

Csg. Size	Wt.	d	Set At	Perforations: From	To	Well No.
4.500	11.6	4.000	9130	8866	9110	1

Tbg. Size	Wt.	d	Set At	Perforations: From	To	Unit	Sec.	Twp.	Rge.
2.375	4.7	1.995	8798	0	0	E	15	19S	25E

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
SINGLE	8798	EDDY

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
TUBING	212 @ 8993	60.0	13.2	NEW MEXICO

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
8993	8993	0.697	9.17	0.94	0	2.0	0	

	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	Press. p.s.i.g.	CHOKE	Duration of Flow
SI						2730	212	3476		72.0
1.	2.00 X 0.063	2520	0	60		2520	212	3199	24/64	1.0
2.	2.00 X 0.094	2073	0	60		2073	212	2667	24/64	1.0
3.	2.00 X 0.125	1407	0	59		1407	212	2028	24/64	1.0
4.	2.00 X 0.188	600	0	55		600	212	1262	24/64	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	0.06	0	2533.2	1.0000	1.1978	1.1896	231
2	0.14	0	2086.2	1.0000	1.1978	1.1862	417
3	0.26	0	1420.2	1.0010	1.1978	1.1440	515
4	0.61	0	613.2	1.0048	1.1978	1.0615	475
5							

NO.	P_r	Temp. °R	T_r	Z
1	3.59	520	1.40	0.707
2	2.95	520	1.40	0.711
3	2.01	519	1.40	0.764
4	0.87	515	1.39	0.887
5				

Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons 0 Deg.

Specific Gravity Separator Gas 0.697 XXXXXXXXXX

Specific Gravity Flowing Fluid XXXXX 0.697

Critical Pressure 706 P.S.I.A. 706 P.S.I.A.

Critical Temperature 371 R 371 R

P_c 2740.0 P_c^2 7507

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	10318	2516	6330	1177
2	7183	2097	4399	3108
3	4166	1607	2583	4925
4	1626	1018	1036	6472
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5244$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2656$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 652$

Post ID-2 1-17-86 comp + BK

Absolute Open Flow 652 Mcfd @ 15.025 Angle of Slope θ 60.8 Slope, n 0.5591

Remarks: B.H.P. MEASURED WITH AMARADA PRESSURE ELEMENT

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	BENNETT & CATHEY	RICHARD TWONLEY	