NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 4-1-65

O.C.C.

SEP 2 11 10 AM '66

Type Test: [X] Initial	[ ] Annual	8/27/66	
Company: Jake L. Hamon	Connection: None		
Pool: North Osudo Morrow	Formation: Morrow		
Completion Date: 8/25/66	11,578	5" OD 18# Liner 11012 - 11578	Farm or Lease Name: Amerada Federal

Csg. Size	Wt.	d	Set At	Perforations		Well No.			
7"	23 & 26	6.366 5.276	11,160	From 11,358	To 11,398	1			
Tbg. Size	**Wt.**	**d**	**Set At**	**Perforations**		**Unit**	**Sec.**	**Twp.**	**Rge.**
2 3/8	4.7	1.995	10,999	From Open ended	To	N	17	20S	36E

Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At	County
Single		10,998 & 10,999	Lea
Producing Thru	**Reservoir Temp. °F**	**Mean Annual Temp. °F**	**Baro. Press. - P_a**	**State**
Tubing	159 @ 11,530	60	13.2	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
10,999	10,999	.609	0.48	0.00	0.0		X	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							5012	91	Pkr	Choke:	34
1.	4		2.25	432	9.2	74	4795	84		11/64	1
2.	4		2.25	630	21	72	4679	84		13/64	1
3.	4		2.25	660	37	67	4540	84		16/64	1
4.	4		2.25	730	61	62	3939	84		20/64	1
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor F_t	Gravity Factor F_g	Super Compress. Factor, F_{pv}	Rate of Flow Q, Mcfd
1	25.64	67.50	495.2	.9868	1.281	1.040	2275
2	25.64	116.2	643.2	.9877	1.281	1.052	3966
3	25.64	157.3	673.2	.9933	1.281	1.058	5447
4	25.64	212.9	743.2	.9981	1.281	1.065	7432
5							

NO.	P_r	Temp. °R	T_r	Z
1	.738	534	1.49	.924
2	.959	532	1.49	.903
3	1.00	527	1.47	.894
4	1.11	522	1.46	.881
5				

Gas Liquid Hydrocarbon Ratio: Gas 4.2 MM ___ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: 50.6 ___ Deg.
Specific Gravity Separator Gas: .609 XXXXXXX
Specific Gravity Flowing Fluid: XXXXX .779
Critical Pressure: 672 P.S.I.A. 666 P.S.I.A.
Critical Temperature: 358 R 415 R

P_c 5024.2 P_c^2 25242.6

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	23119	4841.6	23441	1802
2	21088	4687.3	21971	3272
3	18950	4538.2	20595	4648
4	15620	4304.8	18531	6712
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 3.761

$\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 3.205

$\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 23,823

Absolute Open Flow: 23,823 Mcfd @ 15.025 | Angle of Slope θ ___ | Slope, n .879

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	R. R. Smith	[illegible]	