Copy C-122

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT A.. ONE POINT BACK PRESSURE TEST . OR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JUL 1 2 1973

Type Test: [x] Initial [ ] Annual [ ] Special				Test Date: 1-21-73	
Company: Belco Petroleum Corp.		Connection: NONE			Unit: E
Pool: Undesignated		Formation: Wolfcamp			Unit: -
Completion Date: 1-19-73	Total Depth: 11700'	Plug Back TD: 9800'		Elevation: 3141'KB	Farm or Lease Name: Union Mead Com.
Csg. Size: 7 5/8 / 5 1/2	Wt.: 26.4 / 13.5	d: 6.969 / 3.920	Set At: 8900' / 8669'	Perforations: From 9687' To 9745'	Well No.: No.2
Tbg. Size: 2 7/8 / 2 3/8	Wt.: 6.50 / 4.70	d: 2.441 / 1.995	Set At: 9500'	Perforations: From Open To ended	Unit: N Sec.: 4 Twp.: 22s Rge.: 27e
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE			Packer Set At: 9500'		County: EDDY
Producing Thru: Tubing	Reservoir Temp. °F: 176° @ 9450'	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
9716	-	0.728	0.31	0.76	0.00		X	F

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press DWT p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							2940		PACKER		15.0 Hrs
1.	4"		16/64 1.5	460	55	67	2315	61	-		3.0
2.	4"		14/64 1.5	460	39	82	2355	60	-		1.0
3.	4"		12/64 1.5	440	19	87	2469	60	-		1.0
4.	4"		10/64 1.5	430	11	93	2596	65	-		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	10.84	161.32	473.2	0.9933	1.172	1.058	2153.9
2.	10.84	136.04	473.2	0.9795	1.172	1.052	1781.0
3.	10.84	92.80	453.2	0.9750	1.172	1.048	1204.8
4.	10.84	69.83	443.2	0.9697	1.172	1.045	899.1
5.							

NO.	P_t	Temp. °R	T_t	Z
1.	0.71	527	1.34	0.894
2.	0.71	542	1.38	0.904
3.	0.68	547	1.39	0.911
4.	0.66	553	1.40	0.916
5.				

Gas Liquid Hydrocarbon Ratio 7.170 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 54.0 Deg.
Specific Gravity Separator Gas 0.728 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 671 P.S.I.A. - P.S.I.A.
Critical Temperature 394 R - R

P_c 5011.2 P_c^2 25112.1

NO	P_w *	P_w^2	$P_c^2 - P_w^2$
1	4163.2	17332.2	7779.9
2	4351.2	18932.9	6179.2
3	4586.2	21033.2	4078.9
4	4703.2	22120.1	2992.0
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.228$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.955$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6365$

Absolute Open Flow 6365 Mcfd @ 15.025 Angle of Slope θ 47° 19' Slope, n 0.922

Remarks: * BHP @ (-6575') 9716' used for pressure calculations
Top 4 1/2" liner @ 8669'

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	COLEMAN PET.ENG.CO.	JOE A. COLEMAN	JOE A. COLEMAN