NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 8-7-74	
Company: Continental Oil Company		Connection: None			1650 S & W
Pool: Eumont		Formation: Queens			Unit
Completion Date: 8-7-74	Total Depth: 3775		Plug Back TD: 3774	Elevation	Farm or Lease Name: Skaggs B
Csg. Size: 5½ / Wt.: 14# / d / Set At: 3775			Perforations: From 3626 To 3751		Well No.: 73
Tbg. Size: 2 3/8 / Wt. / d / Set At: 3737			Perforations: From Open To Ended		Unit: K / Sec.: 11 / Twp.: 20 / Rge.: 37
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At		County: Lea
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 13.2		State: New Mexico
L	H	Gg: .681 (Assumed)	% CO_2	% N_2	% H_2S / Prover: 2" / Meter Run / Taps

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							420		427		24 hr.
1.	2	x	.500	20		74	409		426		30 min.
2.	2	x	.500	35		78	408		425		30 min.
3.	2	x	.500	57		79	406		423		30 min.
4.	2	x	.750	47		74	388		419		30 min.
5.	2	x	.750	60		70	389		416		45 min.

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	4.279		33.2	.9868	1.212	Nil	170
2.	4.279		48.2	.9831	1.212	Nil	246
3.	4.279		70.2	.9822	1.212	Nil	358
4.	9.453		60.2	.9868	1.212	Nil	681
5.	9.453		73.2	.9905	1.212	Nil	831

NO.	P_t	Temp. °R	T_t	Z
1	.05	534	1.39	Nil
2.	.07	538	1.40	Nil
3.	.10	539	1.40	Nil
4.	.09	534	1.39	Nil
5.	.11	530	1.38	Nil

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure 669 P.S.I.A. _____ P.S.I.A.
Critical Temperature 385 R _____ R

P_c 440.2 P_c^2 193.8

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		439.2	192.9	.9
2		438.2	192.0	1.8
3		436.2	190.3	3.5
4		432.2	186.8	7.0
5		429.2	184.2	9.6

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 20.188$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 9.050$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 8.521$

Absolute Open Flow 7,521 Mcfd @ 15.025 Angle of Slope θ 53.75 Slope, n .733

Remarks: No way to measure fluid - estimate .25 bbl. during test.

Approved By Commission	Conducted By: R. Parran, R. Reston	Calculated By: R. Reston	Checked By: