STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

RECEIVED
MAY 21 8 39 AM '90

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 03-13-90	
Company: TEXACO, INC.		Connection: NONE			
Pool: Wildcat Atoka		Formation: ATOKA		Unit:	
Completion Date: 03-06-90	Total Depth: 15,060	Plug Back TD: 14,410	Elevation:	Farm or Lease Name: COTTON DRAW UNIT	
Csg. Size: 5½ / Wt.: 26 / d: / Set At: 15,060		Perforations: From 14,060 To 14,071		Well No.: 67	
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: 1.995 / Set At: 13,913		Perforations: From OPEN To END		Unit: K / Sec.: 35 / Twp.: 24S / Rge.: 31E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE		Packer Set At: 13,913		County: ~~LEA~~ Eddy	
Producing Thru: TBG	Reservoir Temp. °F: 213 @ 13,913	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2	State: N.M.	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
13,913	13,913	.568	.51	.94	-----		2.892	FLG/

	FLOW DATA					TUBING DATA		CASING 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.	Temp. °F	Duration of Flow
SI						8100		PKR		48 hrs.
1.	3	X 1.250	496	18.00	80	7700		PKR		60 min.
2.	3	X 1.250	540	63.00	77	7025		PKR		60 min.
3.	3	X 1.750	577	27.00	75	6600		PKR		90 min.
4.	3	X 1.750	630	58.00	72	6025		PKR		75 min.
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.	7.615	95.74	509.2	.9813	1.327	1.040	987
2.	7.615	186.69	553.2	.9850	1.327	1.044	1,940
3.	15.87	126.24	590.2	.9859	1.327	1.046	2,742
4.	15.87	193.15	643.2	.9896	1.327	1.051	4,231
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	.75	540	1.58	.925
2.	.82	537	1.57	.918
3.	.87	535	1.56	.914
4.	.95	532	1.56	.906
5.				

Gas Liquid Hydrocarbon Ratio: DRY GAS Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: DRY Deg.
Specific Gravity Separator Gas: .568 XXXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 673 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 341 R ____ R

P_c 8113.2 P_c^2 65824.0

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		7717.3	59556.2	6267.8
2		7054.4	49764.4	16059.6
3		6646.3	44172.7	21651.3
4		6119.5	37448.5	28375.5
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2,320$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2,320$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 9,816$

Absolute Open Flow: 9,816 Mcfd @ 15.025 | Angle of Slope θ: 45 | Slope, n: 1,000

Remarks: Well made 1.00 BBL H20 during test

Approved By Division	Conducted By:	Calculated By:	Checked By: