NEW MEXICO OIL CONSERVATIC COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
MAY 15 '89
O. C. D.
ARTESIA, OFFICE

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 5/1/89	
Company: OXY USA, INC.		Connection:			
Pool: BURTON FLAT Morrow		Formation: MORROW		Unit:	
Completion Date: 2-28-89	Total Depth: 11290	Plug Back TD: 11240	Elevation:	Farm or Lease Name: GOVERNMENT "AB"	
Csg. Size: 5 1/2 / Wt.: 17# / d: 4.892 / Set At: 11290		Perforations: From 10965 To 11056		Well No.: 4	
Tbg. Size: 2 7/8 / Wt.: 6.5# / d: 2.441 / Set At: 10851		Perforations: From OPEN To END		Unit: L / Sec.: 9 / Twp.: 20 / Rge.: 28	
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: SINGLE		Packer Set At: 10843		County: EDDY	
Producing Thru: TBG	Reservoir Temp. °F: 184° 11010	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
11010	11010	.620	.98	.31	0		2.067	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					2409		PKR		72
1.	2X1.00	280	12.00	40	2280		" "		1 HR.
2.	2X1.00	310	19.00	30	2120		" "		1 HR.
3.	2X1.00	340	48.00	27	1852		" "		1 HR.
4.	2X1.00	370	54.00	37	1465		" "		1 HR.
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	4.946	59.36	293.2	1.020	1.270	1.034	393
2.	4.946	78.36	323.2	1.030	1.270	1.042	528
3.	4.946	130.21	353.6	1.033	1.270	1.047	885
4.	4.946	143.85	383.2	1.023	1.270	1.045	966
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	.44	500	1.37	.936
2.	.48	490	1.34	.921
3.	.53	487	1.33	.912
4.	.57	497	1.36	.916
5.				

Gas Liquid Hydrocarbon Ratio: DRY GAS Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: DRY Deg.
Specific Gravity Separator Gas: .620 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 671 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 365 R ____ R

P_c 2519.8 P_c^2 6349.6

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	*	2397.6	5748.5	601.1
2	*	2221.3	4934.2	1415.4
3	*	1941.3	3768.6	2581.0
4	*	1547.2	2393.8	3955.8
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 10.563$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.242$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.274$

Absolute Open Flow: 1.274 Mcfd @ 15.025 | Angle of Slope θ: 63.5 | Slope, n: .499

Remarks: NO FLUID PRODUCED DURING TEST.
* BHP'S WERE OBTAINED WITH AMERADA RPG 3 INSTRUMENT AND CALCULATED
* TO SURFACE.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	W. S.	B. M.	B.M.