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appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources

Form C-122
Revised October, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: E.O.G. Resources, Inc. Lease or Unit Name: Antelope St. Com.

Type Test: ☐ Initial ☐ Annual ☐ Special Test Date: 12-10-00 Well No.: 1

Completion Date: 12-4-99 Total Depth: 13,850 Plug Back TD: 13,816 Elevation: 3000 Unit Ltr. - Sec - TWP - Rge: 4 17 28

Csg. Size: 5 1/2" Wt. 17# ID: 4.892 Set At: 10,032' Perforations: From: 9,670' To: 9,762' County: Eddy, NM

Thg. Size: N/A Wt. ID Set At Perforations: From To Pool: SE Crow Flat Morrow

Type Well: Single - Bradenhead - G G or G O Multiple Packer Set At: None Formation: Morrow

Producing Thru: Csg Reservoir Temp. °F Mean Annual Temp. °F 60 Baro. Press - P_a: 13.2 Connection: Sales

9,670 9,670 688 %CO₂: 1.42 %N₂: 7.86 %H₂S Prover: Meter Run: 6.065" Taps: Flg

FLOW DATA							TUBING DATA		CASING DATA		Duration Of Flow
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	
5!							N/A	N/A	1630	60	
1	6"	x	3.000	293.3	N/A	91	N/A	N/A	1580	60	1 Hr.
2	6"	x	3.000	274.3	N/A	84	N/A	N/A	1495	60	1 Hr.
3	6"	x	3.000	296.1	N/A	67	N/A	N/A	1320	60	1 Hr.
4	6"	x	3.000	326.4	N/A	66	N/A	N/A	1110	60	1 Hr.
5											

RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 HOUR)	$\frac{1}{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	Gas by Total Flow	N/A	N/A	N/A	N/A	N/A	1,473
2	Gas by Total Flow	N/A	N/A	N/A	N/A	N/A	2,552
3	Gas by Total Flow	N/A	N/A	N/A	N/A	N/A	5,672
4	Gas by Total Flow	N/A	N/A	N/A	N/A	N/A	7,801
5							
No.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio 18.047 Mcf/bbl.		
1	N/A	N/A	N/A	N/A	A. P. I. Gravity of Liquid Hydrocarbons 52.2 @ 60 Deg.		
2	N/A	N/A	N/A	N/A	Specific Gravity Separator Gas 688 XXXXXXXXXX		
3	N/A	N/A	N/A	N/A	Specific Gravity Flowing Fluid XXXXX Gmix = 864		
4	N/A	N/A	N/A	N/A	Critical Pressure 655 P.S.I.A. 650 P.S.I.A.		
5					Critical Temperature 363 R. 422 R		

P _c 1643.2	P 2700.1	(1) $P_2 = 1.899$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.673$
No.	P _i ²	P _w ²	P _a ²	P _c ² - P _w ²
1		1593.4	2538.8	161.3
2		1508.7	2276.3	423.8
3		1336.3	1785.7	914.4
4		1130.6	1278.2	1421.9
5				
AOF = Q		$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^a = 13.051$		

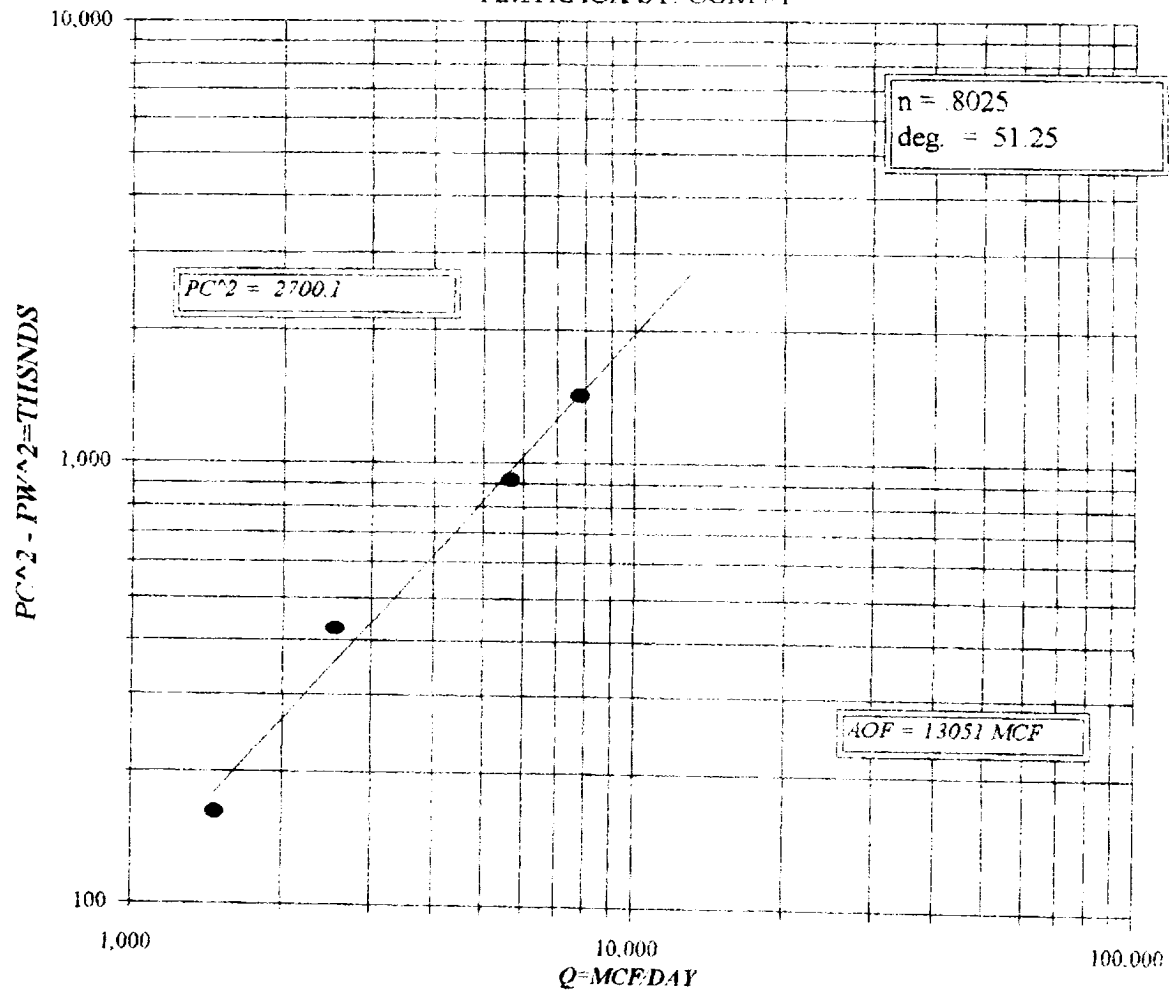
Absolute Open Flow 13,051 Mcfd @ 15.025 Angle of Slope θ: 51.25 Slope, n: .8025

Remarks: Total Fluid 40.4 BBLS 52.2 API GR

Approved By Division Conducted By: Production Testing Services, Inc. 505-391-8703 Calculated By: Bob Murray, Independent Consultant 505-395-2349 Checked By: Bob Murray, Independent Consultant 505-395-2349

E.O.G. RESOURCES

AMTRACK ST. COM #1



505-391-8703

Absolute Open Flow Field Data Sheet