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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: Jackson 3 St. Com.					
Type Test: ☐ Initial ☐ Annual ☐ Special						Test Date: 2-25-00		Well No.: 2			
Completion Date: 2-10-00		Total Depth 13,850		Plug Back TD 13,750		Elevation 3000		Unit Ltr. - Sec. - TWP - Rge. B 3 24 33			
Csg. Size: 2 7/8"	Wt. 6.5#	D 2.441	Set At 13,843	Perforations: From: 13,000' To: 13,554'				County: Lea, NM			
Thg. Size: N/A	Wt. N/A	D	Set At N/A	Perforations: From: To:				Pool			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single						Packer Set At: N/A		Formation: Wolfcamp			
Producing Thru Casing		Reservoir Temp. °F: 183.6 @ 13,000		Mean Annual Temp. °F: 60		Baro, Press - P _a : 13.2		Connection: Sales			
L: 13,000'	H: 13,000'	Gg: .745	%CO ₂ : .835	%N ₂ : .225	%H ₂ S:	Prover:		Meter Run 4.026	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
SI							N/A	N/A	1430	N/A	48
1.	4"	x	1.500	275.4	4.6	71	N/A	N/A	1380	N/A	1 Hr.
2.	4"	x	1.500	282.9	8.5	70	N/A	N/A	1290	N/A	1 Hr.
3.	4"	x	1.500	302.3	21.2	70	N/A	N/A	1135	N/A	1 Hr.
4.	4"	x	1.500	341.0	50.0	69	N/A	N/A	925	N/A	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	10.84	36.44	288.6	.9896	1.156	1.037	469
2.	10.84	50.17	296.1	.9905	1.156	1.038	646
3.	10.84	81.78	315.5	.9905	1.156	1.041	1,057
4.	10.84	133.08	354.2	.9915	1.156	1.047	1,731
5.							

No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio
1.	.43	531	1.31	.930	14.520 Mcf/bbl.
2.	.44	530	1.30	.928	A. P. I. Gravity of Liquid Hydrocarbons 53.5 Deg.
3.	.47	530	1.30	.923	Specific Gravity Separator Gas .745 XXXXXXXXXX
4.	.53	529	1.30	912	Specific Gravity Flowing Fluid XXXXXX Gmix=.939
5.					Critical Pressure 667 P.S.I.A. 661 P.S.I.A.
					Critical Temperature 405 R. 467 R

P _c 1,443.2		P _{c2} 2,082.8		(1) P _{c2} = 1.782	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.684$
No.	P _i ²	P _w	P _w ²		
1.	N/A	1,394.0	1,943.2	$\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.915$	
2.	N/A	1,304.8	1,702.4		
3.	N/A	1,153.1	1,329.5		
4.	N/A	955.9	913.8		
5.					

Absolute Open Flow 2,915 Mcfd @ 15.025		Angle of Slope θ: 47.93		Slope, n: .9026	
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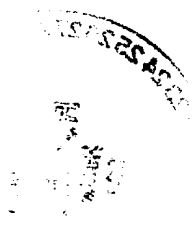
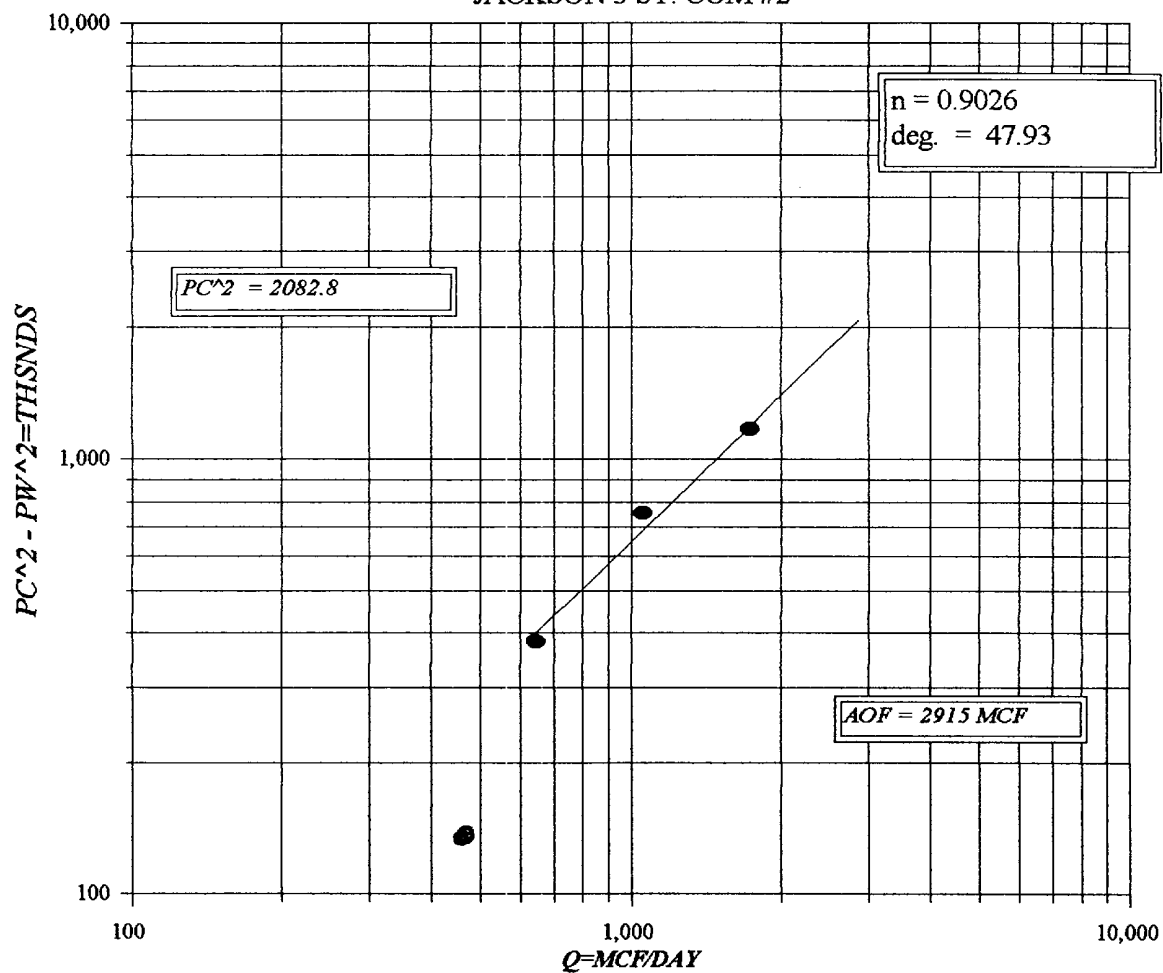
Remarks: Total Fluid 11.2 BBLS 53.5 API Condensate

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
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ORIGINAL SENT TO
DISTRICT SUPERVISOR

MAR 28 2000

E.O.G. RESOURCES INC.
JACKSON 3 ST. COM #2



505-391-8703

Absolute Open Flow Field Data Sheet