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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: Triste Draw 35 Fed.			
Type Test: ☐ Initial ☐ Annual ☐ Special				Test Date: 2-9-00		Well No.: 1	
Completion Date: 11-4-99		Total Depth: 13,850		Plug Back TD: 13,816		Elevation: 3000	
Csg. Size: N/A		Wt: D		Set At: N/A		Perforations: From: To:	
Thg. Size: 2 7/8		Wt: 6.5		D: 2.441		Set At: 13,849	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single		Packer Set At: None		Formation: Wolfcamp			
Producing Thru Tbg.		Reservoir Temp. °F:		Mean Annual Temp. °F: 60		Baro. Press - P _a : 13.2	
Connection: Sales		County: Lea, NM		Pool:			
L: 13,314		H: 13,314		Gg: .705		%CO ₂ : 1.42	
				%N ₂ : .786		%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							1520		N/A		
1.	4"	x	2.500	775.6		112	1340		N/A		1 Hr.
2.	4"	x	2.500	773.6		114	1230		N/A		1 Hr.
3.	4"	x	2.500	744.1		108	1000		N/A		1 Hr.
4.	4"	x	2.500	745.1		102	850		N/A		1 Hr.
5.											

RATE OF FLOW CALCULATIONS

No.	COEFFICIENT (24 HOUR)	h_w, P_{w1}	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	710
2.	Gas by Total Flow	N/A	N/A	N/A	N/A	N/A	920
3.	Gas by Total Flow	N/A	N/A	N/A	N/A	N/A	1,730
4.	Gas by Total Flow	N/A	N/A	N/A	N/A	N/A	4,840
5.							

No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	15,253 Mcf/bbl.
1.	N/A	N/A	N/A	N/A	A. P. 1. Gravity of Liquid Hydrocarbons	59.1 @ 60 Deg.
2.	N/A	N/A	N/A	N/A	Specific Gravity Separator Gas	.705 XXXXXXXXXXXX
3.	N/A	N/A	N/A	N/A	Specific Gravity Flowing Fluid	XXXXXX Gmix=.882
4.	N/A	N/A	N/A	N/A	Critical Pressure	672 P.S.I.A. 663 P.S.I.A.
5.					Critical Temperature	391 R. 451 R

P _c 1533.2		P _{c2} 2350.7			(1) P _{c2} = 1.789	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.789$
No.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	$\frac{P_c^2}{P_c^2 - P_w^2}$	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8.659$
1.	N/A	1355.2	1836.6	514.1		
2.	N/A	1247.0	1554.9	795.8		
3.	N/A	1030.9	1062.7	1288.0		
4.	N/A	1018.2	1036.7	1314.0		
5.						

AOF = Q

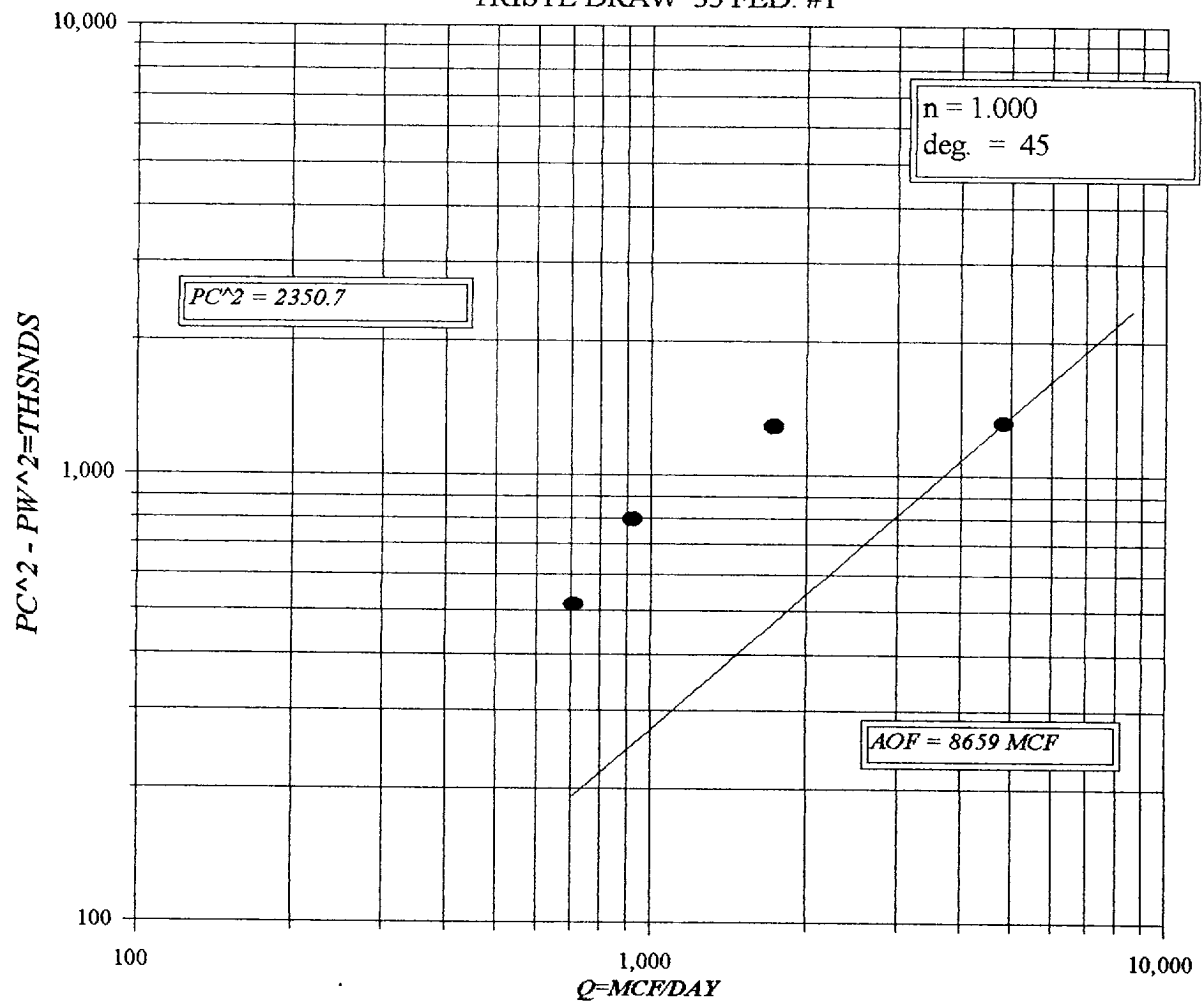
Absolute Open Flow 8.659 Mcfd @ 15.025 Angle of Slope θ: 45.0 Slope, n: 1.000

Remarks: Total Fluid 22.4 BBLs 59.1 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
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DISTRICT OFFICE
MAR 25 1999

E.O.G. RESOURCES
TRISTE DRAW 35 FED. #1



Production Testing Services, LLC.

Hobbs, New Mexico

505-391-8703

Company: E.O.G. Resources					Company Representative: Dirk Ellyson					
Lease Name & No.: Triste Draw 35 Fed. #1					Test Date & Time: 02-09-00					
County: Lea			State: N.M.		Elevation: 3000'		Formation: Wolfcamp			
Unit: Triste Draw		Section: 35		Township: 245			Range: 33 E.			
Test Type: Initial ☒ Annual ☐ Spec. ☐					Type of Well Tested: Gas					
Completion Date: 11-04-99			TD @ 13,850'		PBDT @ 13,816'		Packer Set At: None			
Connection: Sales			Meter Run Size: 4.026			Taps: Flange				
Casing Size: N/A		Casing Wt.: N/A		Casing Dia.: N/A		Casing Set At: N/A				
Tubing Size: 2 7/8"		Tubing Wt.: 6.5#		Tubing Dia.:		Tubing Set At: 13,849'				
Perforations From: 13,314' To: 13,726'					Meter Type: Total Flow					
Producing Through: Tubing					Gas Gravity: .705		Oil Gravity: 59.1		H2O Chl.: N/A	
Time Date	Elapse Time	Tubing Pressure	Casing Pressure	W/H Temp.	Meter or Prover			Orif. Size	Choke Size	MMCF Day
					Press.	Diff.	Temp.			
		1520	Shut in pressure					2.5		
8:45									0	
9:00									9	
9:15	0.25	1400			782.5		99.1	2.5	9	712.5
9:30	0.5	1385			778.2		108.2	2.5	9	712.1
9:45	0.75	1360			775.9		112.9	2.5	9	688.2
10:00	1	1340			775.6		112.2	2.5	9	709.5
End Rate 1										
10:15	1.25	1300			776.5		115.2	2.5	11	891
10:30	1.5	1275			775.5		116	2.5	11	902.4
10:45	1.75	1245			779.5		115.1	2.5	11	926.6
11:00	2	1230			773.6		114.2	2.5	11	920.2
End Rate 2										
11:15	2.25	1140			765.8		112.9	2.5	16	1675
11:30	2.5	1065			759.3		110.6	2.5	16	1454.6
11:45	2.75	1010			755		110.5	2.5	16	1261.4
12:00	3	975			749.9		110.3	2.5	16	1305.7
End Rate 3										
12:15	3.25	945			745.4		107.5	2.5	18	1319
12:30	3.5	970			745.9		104.3	2.5	18	1524
12:45	3.75	1010			745.5		103.5	2.5	18	2002.2
13:00	4	1000			744.1		107.5	2.5	18	1729.9
End Rate (loading Water)										
13:15	4.25	980			747.8		102.1	2.5	24	2565
13:30	4.5	990			753.4		101.1	2.5	24	2473
13:45	4.75	1010			752.5		104.1	2.5	24	2966
14:00	5	1025			756.8		104.2	2.5	24	3237
End Rate 5										
14:15	5.25	925			761.7		100.1	2.5	36	5077
14:30		870			749.8		105	2.5	36	5038
14:45		855			746.5		103.1	2.5	36	4652
15:00		850			745.1		102.1	2.5	36	4840
End Rate 6										
Total Flow At Beginning Of Test: 454703.4					Total Flow At End Of The Test: 455185.9					
Total Gas Produced: 482.5			Total Water Produced: 13.6			Total Oil Produced: 22.4				
1st. Drawdown: 1368		2nd Drawdown: 1216		3rd. Drawdown: 1064		4th Drawdown: 912		5th. Drawdown:		
Test Conducted By: J. Dewald										

**Absolute Open Flow
Field Data Sheet**