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appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Gruy Petroleum Mgt. /					Lease or Unit Name Meste Kenwood (Fed 6)					
Type Test ☒ Initial ☐ Final ☐ Special					Test Date 9/25/01					
Completion Date 9/25/01					Total Depth 11,746		Plug Back TD 11,707		Elevation 3698 GL	
Csg. Size 5 1/2		Wt. 17 #		Set At 11,746		Perforations: From: 11,476 To: 11,496				
Thg. Size 2 3/8		Wt. 4.7		Set At 11,378		Perforations: From: Open End To: 				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		Formation: Morrow			
Producing Thru Tubing		Reservoir Temp °F 179		Mean Annual Temp °F 60		Baro. Press - P _a 13.2		Connection: Conoco		
L 11,476	H 11,476	Gg .691	%CO ₂ 3.481	%N ₂ .542	%H ₂ S	Meter Run 4.026		Taps Flange		

FLOW DATA					TUBING DATA		CASING DATA		Duration Of Flow
No.	Prover Line Size	Onifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	48 Hours SI					2760	70	2930	
1.	4.026 X 1.250		476	9.3	78	1824	72	1750	1 Hr.
2.	4.026 X 1.250		481	31	82	1735	76	1690	1 Hr.
3.	4.026 X 1.250		488	62	74	1590	76	1615	1 Hr.
4.	4.026 X 1.250		502	234	67	1480	77	1545	2 Hrs.
5.									

RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							606
2.	Volumes taken from						1224
3.	Conoco 's Sales Meter						1732
4.	Total Flow Meter						3455
5.							

No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	TSTM	Mcf/bbl.
1.		538			A. P. I. Gravity of Liquid Hydrocarbons	NA	Deg.
2.		542			Specific Gravity Separator Gas	.691	XXXXXXX
3.		534			Specific Gravity Flowing Fluid	XXXXX	
4.		527			Critical Pressure	681	P.S.I.A. P.S.I.A.
5.					Critical Temperature	333	R. R

P _c 2943.2		P _c ² 8662		(1) P _c ² = 1.3895		(2) P _c ² = 1.390	
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right] = 4.802$		
1.		1763.2	3109	5553			
2.		1703.2	2901	5761			
3.		1628.2	2651	6011			
4.		1558.2	2428	6234			
5.							

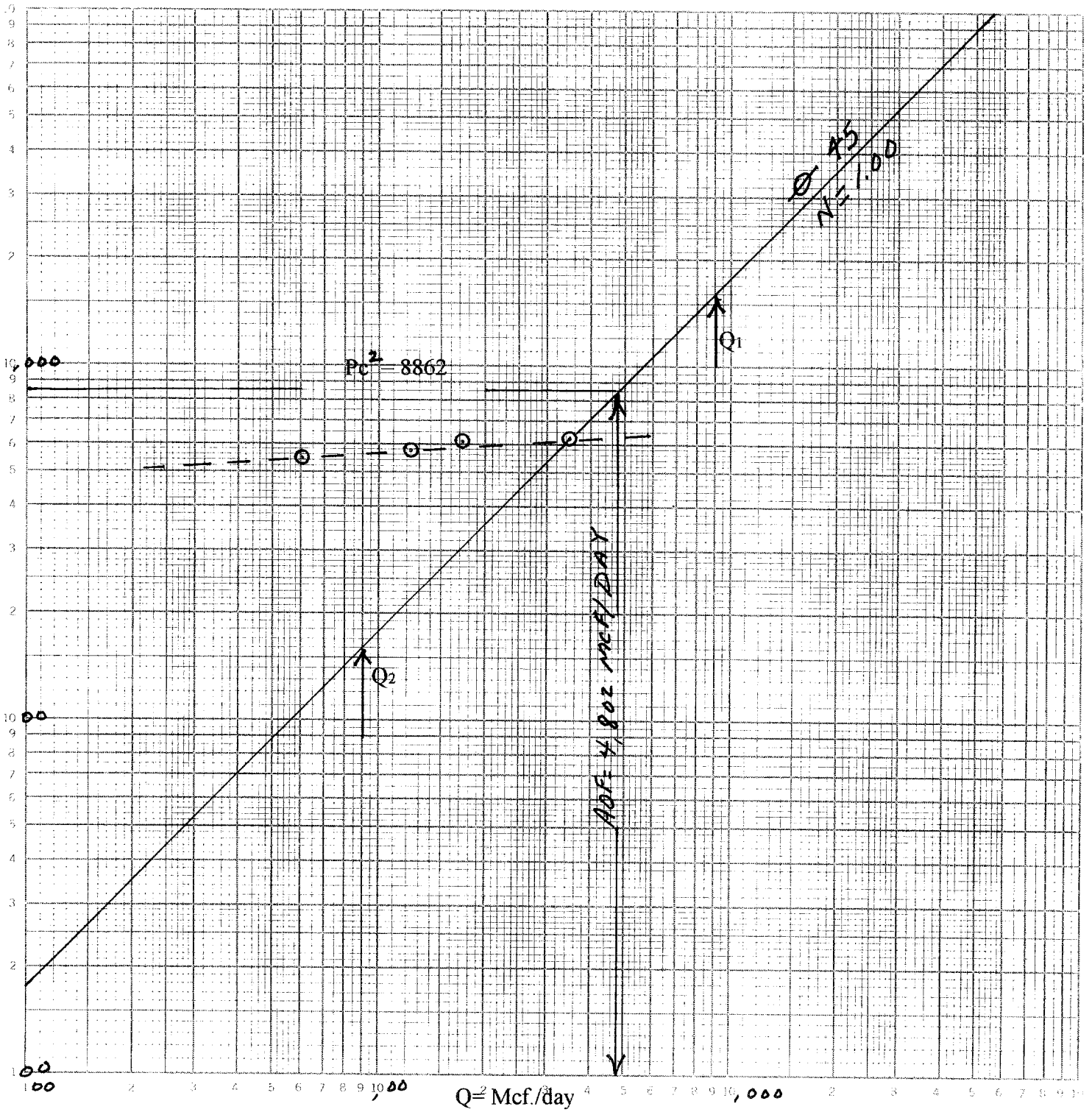
Absolute Open Flow 4,802		Mcf/d @ 15.025		Angle of Slope θ: 1.00		Slope, n: 45	
Remarks: 6 BBLS water made during test							
Used casing pressures for P _w							
Approved By Division		Conducted By: Ray Able Signal Wire Line, Hobbs, N.M.		Calculated By: Reggie Reston		Checked By:	

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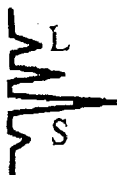
Gruy Petroleum Mgt.
 Neste Kenwood Fed. 6 # 1
 Unit C-Sec. 6 - Twp 18 S-Rge. 31 7E
 Eddy, Co. N.M.

$P_c^2 - P_w^2$ in Thousands
 45 7400

LOGARITHMIC 3 X 3 CYCLES
 KEUFFEL & ESSER CO. MADE IN U.S.A.



$Q_1 = 9000$, Log 3.954243
 - $Q_2 = 800$, Log 2.954243
 $N = 1.000000$



Laboratory Services, Inc.

4016 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Gruy Petroleum
Attention: Mr. Reggie Reston
1601 N. Turner, Suite 212
Hobbs, New Mexico 88240

SAMPLE:
IDENTIFICATION: Neste Kenwood Fed. 6/1
COMPANY: Gruy Petroleum
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 9/26/01 3:15 pm
ANALYSIS DATE: 9/27/01
PRESSURE - PSIG 475
SAMPLE TEMP. °F 78
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Ray Ables-Signal
ANALYSIS BY: Vickie Biggs

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.670	
Carbon Dioxide (CO2)	3.481	
Methane (C1)	82.805	
Ethane (C2)	8.002	2.185
Propane (C3)	3.249	0.893
I-Butane (IC4)	0.390	0.127
N-Butane (NC4)	0.765	0.241
I-Pentane (IC5)	0.190	0.069
N-Pentane (NC5)	0.180	0.065
Hexane Plus (C6+)	0.268	0.116
	100.000	3.646

BTU/CU.FT. - DRY 1125
AT 14.650 DRY 1121
AT 14.650 WET 1102
AT 14.73 DRY 1127
AT 14.73 WET 1108

MOLECULAR WT. 20.0267

SPECIFIC GRAVITY -
CALCULATED 0.691
MEASURED