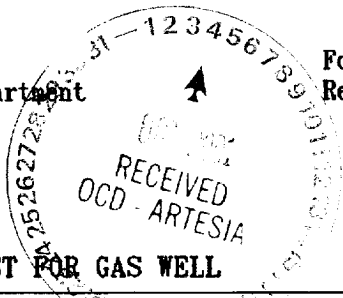


Submit in duplicate to
appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088



Form C-122
Revised 4-1-1991

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Devon Energy					Lease or Unit Name Fargo 11					
Test Type ☒ Initial ☐ Annual ☐ Special					Test Date Aug 13, 2001		Well No. #1			
Completion Date		Total Depth		Plug Back TD		Elevation		Unit Ltr - Sec - TWP - Rge. Sec 11/ T16s/ R27e		
Csg. Size 4 1/2 5.00	Wt. d	Set At	Perforation: From 3632 To 8686			County Eddy				
Tbg. Size 2.375	Wt. 6.900	d 1.995	Set At 8515	Perforation: From To			Pool			
Type Well-Single-Bradenhead-G.G. or G.O. Multiple Single					Packer Set At 8515		Formation			
Producing Thru Tubing		Reservoir Temp.F 135		Mean Annual Temp.F 60		Baro. Pressure 13.20		Connection		
L 8659	I 8659	Gg .660	% CO ₂ .25	% N ₂ .54	% H ₂ S	Prover		Meter Run 3.069	Taps Flange	

FLOW DATA					TUBING DATA		CASING DATA		SIP/FLOW DURATION (HRS.)
NO.	(PROVER) LINE SIZE x ORIFICE SIZE	PRESS. PSIG	DIFF. h _w	TEMP. F	PRESS. PSIG	TEMP. F	PRESS. PSIG	TEMP. F	
SHUT-IN PRESSURE					1662	77	2165	135	90
1.	3.07 x 1.00	523.81	12.08	77	1396	77	1759	132	1
2.	3.07 x 1.00	536.50	22.44	74	1165	77	1424	127	1
3.	3.07 x 1.00	562.50	27.43	74	956	77	1184	122	1
4.	3.07 x 1.00	562.50	37.52	73	601	77	782	107	1

RATE OF FLOW CALCULATIONS

NO.	COEFFICIENT (24 HOUR)	h _w P _n	PRESSURE P _n	FLOW TEMP. FACTOR F _t	GRAVITY FACTOR F _g	SUPER COMPRESS. FACTOR F _{py}	RATE OF FLOW (Q) MCFD
1.	4.912	80.542	537.0	.9840	1.2308	1.0487	502.5
2.	4.912	111.064	549.7	.9868	1.2308	1.0510	696.4
3.	4.912	125.664	575.7	.9868	1.2308	1.0536	789.9
4.	4.912	146.970	575.7	.9877	1.2308	1.0540	925.0

NO.	P _r	TEMP.	T _r	Z
1.	.802	537	1.437	.9093
2.	.821	534	1.429	.9053
3.	.860	534	1.429	.9009
4.	.860	533	1.427	.9002

Gas-Liquid Hydrocarbon Ratio		Mcf/bbl
API Gravity of Liquid Hydrocarbons		Deg.
Specific Gravity Separator Gas	.660	
Specific Gravity Flowing Fluid		.660
Critical Pressure	669 PSIA	669 PSIA
Critical Temperature	373 R	373 R

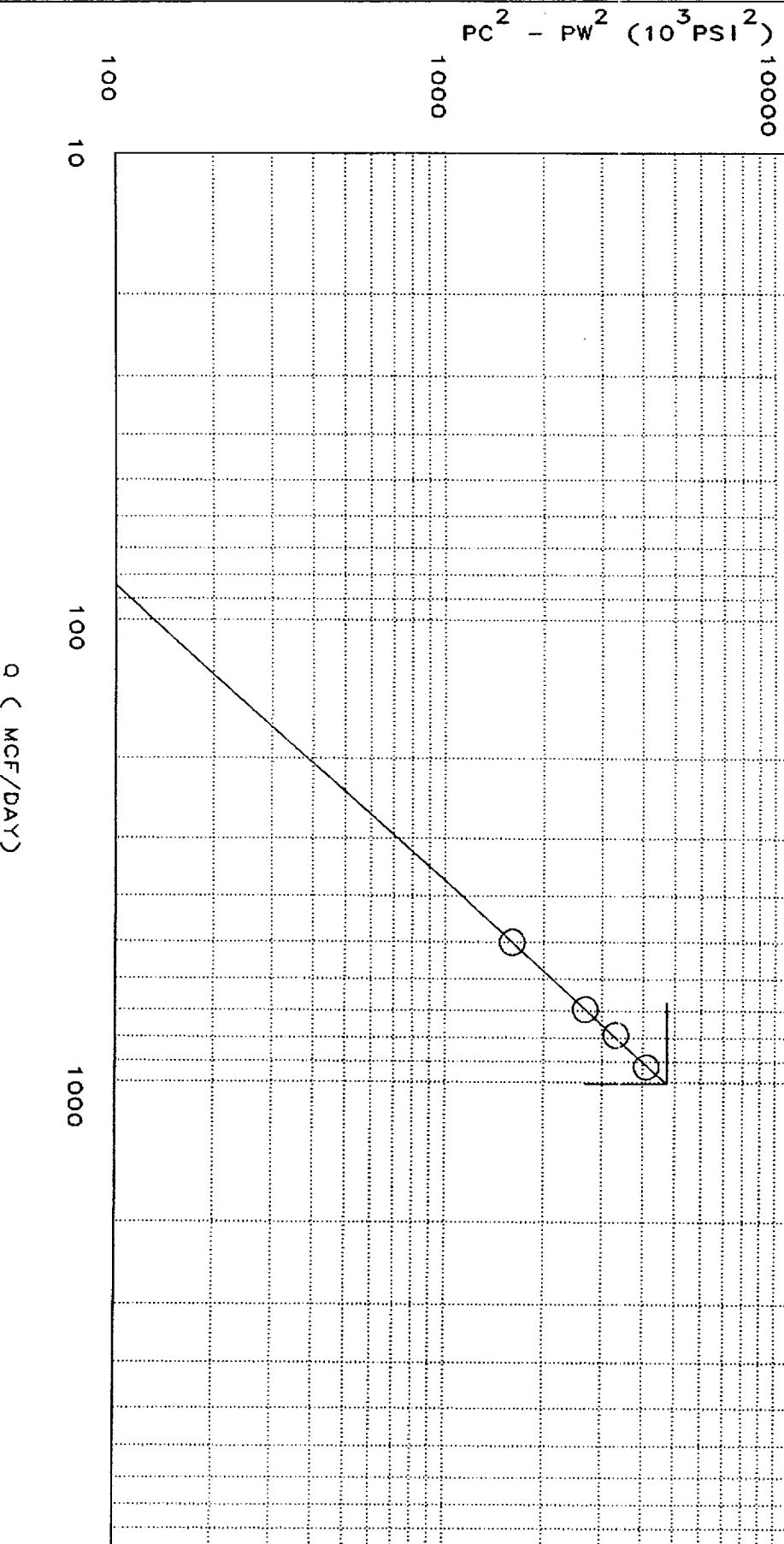
P _C = 2178.7	P _C ² = 4746.7	(1) $\frac{P_C^2}{P_C^2 - P_W^2} = 1.154$	(2) $\left[\frac{P_C^2}{P_C^2 - P_W^2} \right]^n = 1.096$
NO.	P _w	P _w ²	P _C ² - P _w ²
1.	1772.8	3142	1603.914
2.	1437.7	2066	2679.753
3.	1198.0	1435	3311.530
4.	795.3	632	4114.232
AOF = Q		$\left[\frac{P_C^2}{P_C^2 - P_W^2} \right]^n = 1014$	

Absolute Open Flow	1014	Mcf/d @ 15.025	Angle of Slope - 57.3	Slope, n	.642
Remarks Plot based on measured bottomhole data, listed in casing section.					
Approved By Division:		Conducted By: B.Stearmer/Fowler	Calculated By: BPT System/SCHLUMBERGER	Checked By: Dick Simper	

GAS WELL BACK PRESSURE CURVE

WELL TESTER: B.Stearmer/Fowler
TEST DATE: Aug 13, 2001

Devon Energy
Fargo 11 #1
Sec 11 / T16s / R27e
Eddy
Slope n : 0.6424 .NM.



Wildcat Measurement Service
 P.O. Box 1836
 Artesia, New Mexico 88211-1836
 TollFree 888-421-9453
 Office 505-746-3481
 "Quality and Service is our First Concern"

PDS 06/25/00

Run No. 210814-02
 Date Run 08/14/2001
 Date Sampled 08/13/2001

Analysis for: SCHLUNBERGER
 Well Name: FARGO 11-1
 Field:
 Sta. Number:
 Purpose: SPOT
 Sampling Temp: 52 DEG F
 Volume/day:
 Pressure on Cylinder: 550 PSIG

GPANGL161

Producer: DEVON ENERGY CORPORATION
 County: BDDY State: NM
 Sampled By: SCHLUNBERGER
 Atmos Temp: 85 DEG F
 Formation:
 Line Pressure: 573.2 PSIA

GAS COMPONENT ANALYSIS

Pressure Base: 14.7300

		Mol %	GPM
Carbon Dioxide	CO2	0.2523	
Nitrogen	N2	0.5447	
Methane	C1	86.7498	
Ethane	C2	7.4824	2.0000
Propane	C3	3.0222	0.8321
Iso-Butane	IC4	0.3428	0.1121
Nor-Butane	NC4	0.8488	0.2676
Iso-Pentane	IC5	0.2009	0.0735
Nor-Pentane	NC5	0.2183	0.0791
Hexanes Plus	C6+	0.3378	0.1474

Real BTU Dry: 1160.27
 Real BTU Wet: 1140.08
 Real Calc. Specific Gravity: 0.6601
 Field Specific Gravity: 0.0000

Standard Pressure: 14.6960
 BTU Dry: 1157.59
 BTU Wet: 1137.45

Z Factor: 0.9972
 N Value: 1.2902
 Avg Mol Weight: 19.0734
 Avg CuFt/Gal: 56.2904
 26 Lb Product: 0.4579
 Methane+ GPM: 18.2155
 Ethane+ GPM: 3.5118
 Propane+ GPM: 1.5118
 Butane+ GPM: 0.6797
 Pentane+ GPM: 0.2999

TOTAL 100.0000 3.5118

REMARKS:

Approved by: DON NORMAN

Tue Aug 14 09:10:40 2001