

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Great Western Drilling Co				Lease or Unit Name Glen, Cleveland			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date May 1, 1995		Well No. 1	
Completion Date		Total Depth 13036		Plug Back TD 13026		Elevation	
Csg. Size 4" Linear		Wt. d		Set At		Perforations: From: 12916 To: 12984	
Tbg. Size 2.375"		Wt. 4.7		Set At 1.995 12383		Perforations: From: To:	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 12383		Formation Morrow	
Producing Thru Tubing		Reservoir Temp. °F 195@M.P.		Mean Annual Temp. °F 60		Baro. Press - P. 13.2	
L 12950	H 12950	Gg .642	% CO ₂ .55	% N ₂ 1.16	% H ₂ S 0	Prover	Meter Run 3"
						Taps Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	Orifice X 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 Note: Bottom Hole Press @ SI Measured w/ Quartz Memory Tool #24-1246										
1.	3"	1.000	35	54	68	77	74	Packer		24 Hr
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS

NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg.	Super Compress. Factor, F _{pv} .	Rate of Flow Q, Mcfd
1.	4.789	51.02	48.2	.9924	1.248	1.003	303
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	50,500	Mcf/bbl.
1.	.18	595	1.53	.979	A.P. I. Gravity of Liquid Hydrocarbons	56	Deg.
2.					Specific Gravity Separator Gas	.642	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX	.700
4.					Critical Pressure	673	P.S.I.A. 671 P.S.I.A.
5.					Critical Temperature	368	R 388 R

P_c 6265 P_c² 39250

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.	8.136		12.43	39238
2.				
3.				
4.				
5.				

$$1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.000 \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.000$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 303$$

Absolute Open Flow 303 Mcfd @ 15.025 Angle of Slope θ 45 Slope, n 1

Remarks:

Approved By Division Conducted By: Dan Fleeman Metering & Testing Calculated By: Dan Fleeman Metering & Testing Checked By:

RECEIVED

MAY 22 1995

UCC HOBBS
OFFICE

RECEIVED
MAY 08 1995
IRELAND

RECEIVED

MAY 05 1995

LOV.