

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool BASIN-DAKOTA Formation DAKOTA County SAN JUAN
Initial POTENTIAL Annual _____ Special _____ Date of Test JUNE 29, 1961
Company GREENBRIER OIL COMPANY Lease SARAH M. HEDGES Well No. 2
Unit A Sec. 23 Twp. 31 NORTH Rge. 12 WEST Purchaser EL PASO NATURAL GAS COMPANY
Casing 4 1/2" Wt. 11.60# I.D. 4" Set at 7337 Perf. 7292 To 7148
Tubing 2 3/8" Wt. 4.70# I.D. 1.995 Set at 7104 Perf. 7103 To 7093
Gas Pay: From _____ To _____ L _____ xG _____ -GL _____ Bar.Press. _____
Producing Thru: Casing _____ Tubing XX Type Well DUAL
Date of Completion: June 16, 1961 Packer MODEL D Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. _____

OBSERVED DATA

Tested Through (280028) (Choke) (280065) Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI										
1.						2094		934	(MV)	SHUT IN
2.						445		1025	(MV)	3 HOURS
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.3650		445	.9840	1.000 (EST)	1.033	5593
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
9.402 (1-e^{-s}) .266
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 2094 P_c 4,384,836

No.	P _w P _t (psia)	P _c ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.	445		52,585	2,765,182	735,547	933,572	3,451,264	966	
2.									
3.									
4.									
5.									

Absolute Potential: 6693 MCFPD; n .75

COMPANY GREENBRIER OIL COMPANY
ADDRESS 19 LA PLATA PLACE, DURANGO, COLORADO
AGENT and TITLE HARRY J. MILLER SUPERINTENDENT
WITNESSED Harry J. Miller
COMPANY _____

REMARKS

