

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Jalnet Formation Jates - 7 Rivers County Lea
Initial _____ Annual _____ Special X Date of Test 5-9-58
Company Delport Oil Corporation Lease Christmas Well No. 1
Unit 0 Sec. 25 Twp. 22 Rge. 36 Purchaser El Paso Natural Gas Co
Casing 5 1/2 Wt. 15.5 I.D. _____ Set at 2920 Perf. _____ To _____
Tubing 2 Wt. 4.7 I.D. _____ Set at 3092 Perf. _____ To _____
Gas Pay: From 3125 To 3240 L 3092 xG .670 -GL 2072 Bar.Press. 13.2
Producing Thru: Casing _____ Tubing X Type Well Single
Date of Completion: 4-24-58 Packer None Reservoir Temp. _____
Single-Bradenhead-G. G. or G.O. Dual

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps Flanges

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						763		768		72
1.	1	1.250	712	18.06	70	734		753		24
2.	1	1.250	671	11.60	68	675		732		24
3.	1	1.250	640	61.62	68	646		725		24
4.	1	1.250	602	82.30	66	613		697		24
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_F}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	9.613	114.44	725.2	.9905	.9463	1.080	1118
2.	9.613	108.89	684.2	.9924	.9463	1.073	1640
3.	9.613	200.60	653.2	.9924	.9463	1.069	1961
4.	9.613	234.35	615.2	.9943	.9463	1.066	2266
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio dry cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
P_c _____ (1-e^{-s})
Specific Gravity Separator Gas .670
Specific Gravity Flowing Fluid _____
P_c 781.2 P_c² 610.3

No.	P _t P _t (psia)	P _t 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.	727.2	528.8	81.5			587.1	23.2		
2.	688.2	473.5	136.7			555.3	55.0		
3.	659.2	434.5	175.8			530.3	50.0		
4.	626.2	392.1	218.2			504.4	105.7		
5.									

Absolute Potential: 5750 MCFPD; n .500
COMPANY Delport Oil Corporation
ADDRESS 930 Fidelity Union Life Bldg
AGENT and TITLE W. T. Young President
WITNESSED Earl G. Smith
COMPANY El Paso Natural Gas

REMARKS

In accordance with Rule 15 Jalnet Gas Pool deliverability procedure average slope of .771 shall be used to calculate deliverability.