

NEW MEXICO OIL CONSERVATION COMMISSION

WORDS OFFICE 000

Form C-122

Revised 12-1-55

MULTI-POINT BACK-PRESSURE TEST FOR GAS WELLS

Pool Jalmat Formation Yates County Lea
Initial _____ Annual _____ Special X Date of Test 8/26 - 8/29-58
Company Husky Oil Company Lease Monticeto Woolworth Well No. 2
Unit M Sec. 33 Twp. 24 Rge. 37 Purchaser El Paso Natural Gas Co.
Casing 7" Wt. 24 I.D. 6.334 Set at 3363 Perf. 3117 To 3196
Tubing 2" Wt. 4.7 I.D. _____ Set at 3170 Perf. 3165 To 3169
Gas Pay: From 3117 To 3196 L 3157 xG .665 -GL 2099 Bar.Press. 13.2
Producing Thru: Casing X Tubing _____ Type Well Single
Date of Completion: Work Over 7/58 Packer None Reservoir Temp. -
Single-Bradenhead-G. G. or G.O. Dual

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter)

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						631		631		72
1.	1"	0.500	606	9.61	75	606		606		24
2.	1"	0.500	590	22.09	80	590		590		24
3.	1"	0.500	585	26.01	81	585		585		24
4.	1"	0.500	570	40.96	76	570		570		24
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.	1.525	77.11		0.9859	0.9498	1.059	116.7
2.	1.525	115.43		0.9813	0.9498	1.056	173.3
3.	1.525	124.74		0.9804	0.9498	1.056	187.1
4.	1.525	154.56		0.9850	0.9498	1.056	232.9
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
P_c Measured (1-e^{-s})

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 644.2 P_c 415.0

No.	P _w 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.	619.2	383.4				383.4	31.6		0.961
2.	603.2	363.9				363.9	51.1		0.936
3.	598.2	357.8	Measured			357.8	57.2		0.928
4.	583.2	340.1				340.1	74.9		0.905
5.									

Absolute Potential: 930 MCFPD; n 0.808COMPANY Husky Oil CompanyADDRESS 900 V & J Tower - Midland, TexasAGENT and TITLE Gerald J. Port, Production Engineer

WITNESSED

COMPANY _____

REMARKS

NEW MEXICO
OIL CONSERVATION COMMISSION
Back Pressure Data Sheet

Form U-12L

Pool: _____ Date: _____

Company: _____ Lease: _____ Well No. _____

County: _____ Sec. _____ Twp. _____ Rge. _____ Loc. _____

_____ ID casing set @ _____ ; _____ ID tubing _____ OD tubing set @ _____

Pay zone from _____ to _____ ; Separator gas gr. _____ Barometer rdg. _____

Reservoir temperature _____ ° Produced through: csg. _____ tbg. _____

Average gas/liquid ratio during test: _____ Cu. ft. /bbl. gravity of liquid _____ ° API

Size of meter run or prover: _____

OBSERVED DATA

Wellhead shut-in pressure, P_w _____ Casing _____ Tubing _____ PSIA

Run No.	Orifice Size	Orifice x Line	Meter Pressures		Coefficient C Flg. tap _____ Pipe tap _____	Wellhead Pr.		Flowing Temp.	
			Static P_m Abs.	Diff. h_w		Casing P_{wc} Abs.	Tubing P_{wc} Abs.	Meter	Wellhead

DATA FOR PLOTTING CURVE

Run No.	Delivery Rate in MCF per 24 hours (Q)	$P_f^2 - P_s^2$ (thousands)
1		
2		
3		
4		
5		

Absolute Open Flow _____ MCF

CERTIFICATION: I hereby swear or affirm that, to the best of my knowledge, the information given above is true and correct.

Name: _____ Position: _____

Company: _____ Address: _____

Please plot curve on back