

HOBBS OFFICE  
NEW MEXICO OIL CONSERVATION COMMISSION

JAN 7 10 33 AM '64

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Jalmat Formation Yates - Seven Rivers County Lea  
 Initial X Annual \_\_\_\_\_ Special \_\_\_\_\_ Date of Test March 10/17, 1964  
 Company Cities Service Petroleum Company Lease Glosson 'B' Well No. 10  
 Unit L Sec. 30 Twp. 22S Rge. 36E Purchaser United Carbon Company  
 Casing 5 1/2 Wt. 14# I.D. 5.012 Set at 3780 Perf. 3550 To 3671  
 Tubing 2" Wt. 4.7# I.D. 1.995 Set at 3643 Perf. \_\_\_\_\_ To \_\_\_\_\_  
 Gas Pay: From 3550 To 3671 L 2.650 est. G.L. 2360 Bar. Press. 13.2  
 Producing Thru: Casing \_\_\_\_\_ Tubing X Type Well Single  
 Date of Completion: 10-9-60 Packer \_\_\_\_\_ Reservoir Temp. Single

OBSERVED DATA

Tested Through (PROVER) (CHOKE) (METER)

Type Taps Flange

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h <sub>w</sub>	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI	-	-	-	-	-	335	-	415	-	72 hrs.
1.	4.00"	0.875	14	42	59	105	-	245	-	24 hrs.
2.	4.00"	0.875	36	30	61	112	-	210	-	24 hrs.
3.	4.00"	0.875	38	35	51	89	-	170	-	24 hrs.
4.	4.00"	0.875	36	40	57	90	-	130	-	24 hrs.
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F <sub>t</sub>	Gravity Factor F <sub>g</sub>	Compress. Factor F <sub>pv</sub>	Rate of Flow Q-MCFPD @ 15.025 psia
1.	<del>4.686</del> 4.686	33.80	27.2	1.0000	0.9608	1.001	152.4
2.	4.686	38.42	49.2	0.9990	0.9608	1.003	173.3
3.	4.686	42.33	51.2	0.9990	0.9608	1.003	<del>195.8</del> 195.8
4.	4.686	44.36	49.2	1.0029	0.9608	1.003	<del>209.1</del> 209.1
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio 150,000 cf/bbl.  
 Gravity of Liquid Hydrocarbons 33.5 deg.  
 F<sub>c</sub> 9.936 (1-e<sup>-s</sup>) 0.150

Specific Gravity Separator Gas .650  
 Specific Gravity Flowing Fluid N/A  
 P<sub>c</sub> 428.2 P<sub>c</sub> 183.4

No.	P <sub>w</sub> P <sub>t</sub> (psia)	P <sub>t</sub> <sup>2</sup>	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-s</sup> )	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Cal. P <sub>w</sub>	P <sub>w</sub> /P <sub>c</sub>
1.	258.2					66.67	116.7		6030
2.	223.2					49.82	133.6		5212
3.	183.2					33.56	149.8		4278
4.	143.2					20.51	162.9		3344
5.									

Absolute Potential: 235 MCFPD; n .951

COMPANY Cities Service Petroleum Company

ADDRESS Box 97 - Hobbs, New Mexico

AGENT and TITLE Richard O. Berg - Production Engineer

WITNESSED W. H. Wallis

COMPANY United Carbon Company

REMARKS

Well produces approximately 1 BOPD and 1.67 BWPD.

2350 = 3,371,068  
 4.15 = 2,406,540  
 164,518